State of New Mexico
Oil Conservation Division

Incident ID	NRM2005137772
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?	> 100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
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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:

SDR ENTERPRISES, LLC

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

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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.

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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

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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

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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 1gallon, 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

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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

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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

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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

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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

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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

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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

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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

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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,

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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

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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

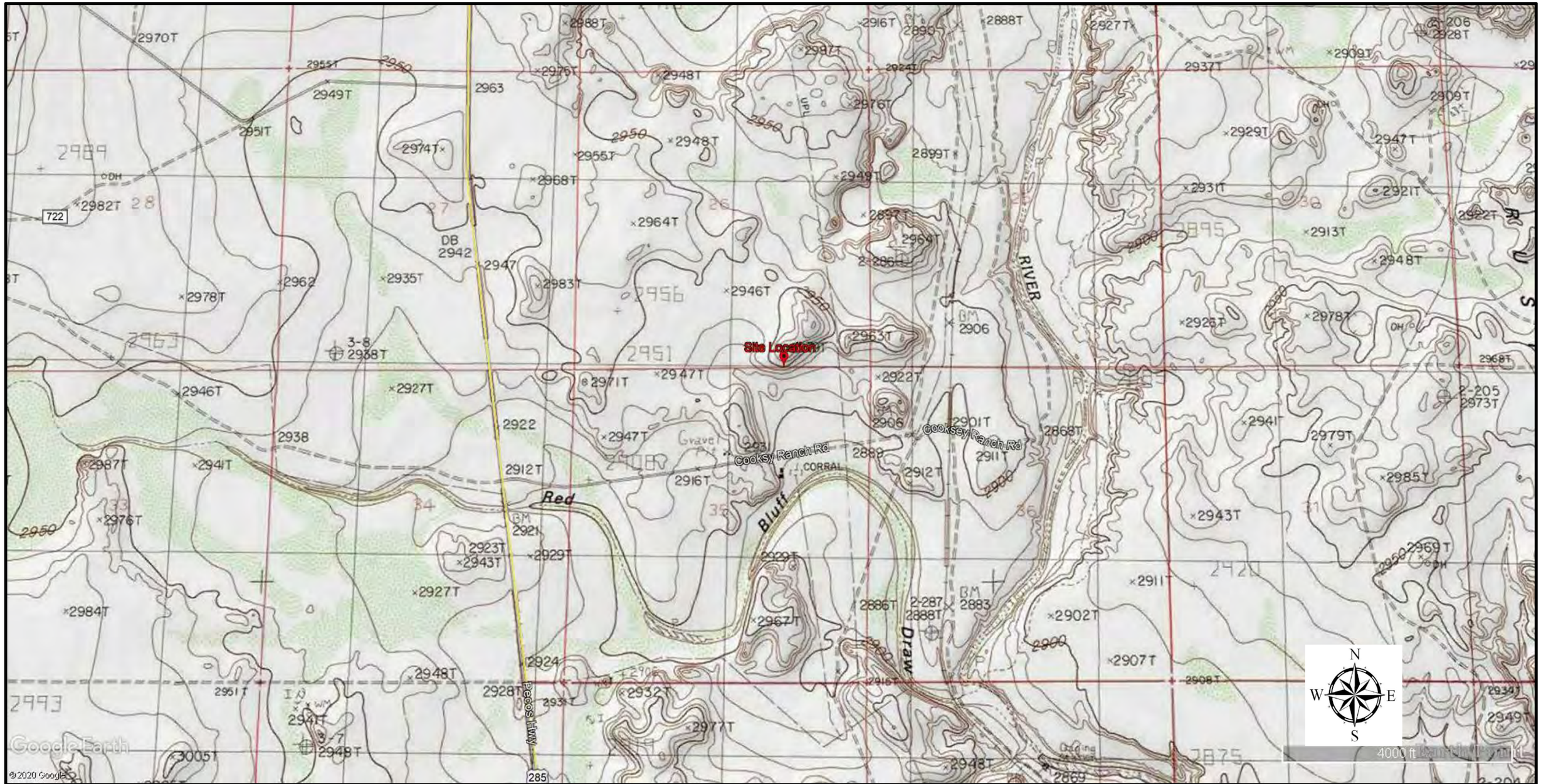
cc: Rob Kirk, Solaris
e-Permitting Portal, NMOCD

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

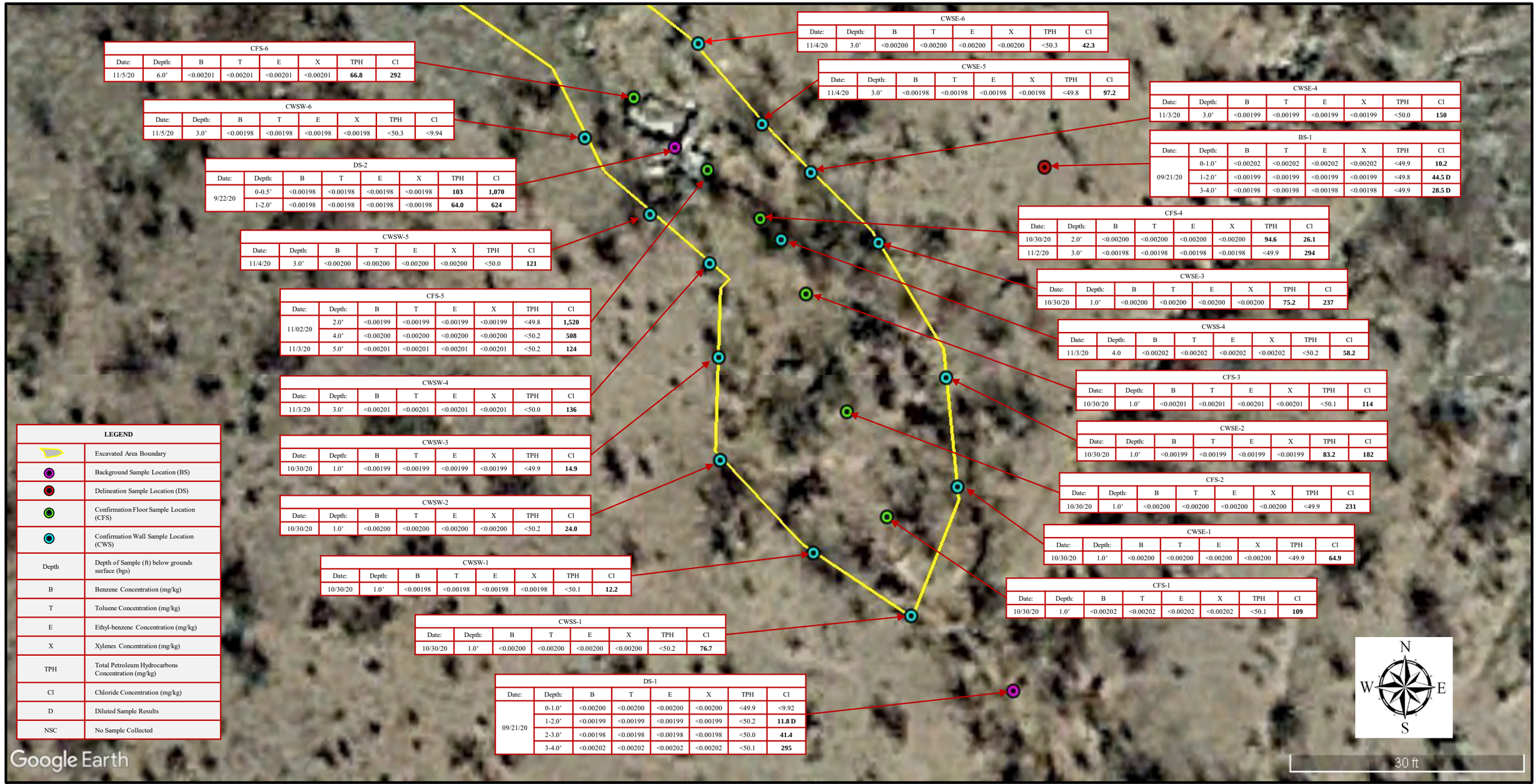
(Site Location, Release Area, Excavated Area, Sample Location and Analytical Results)



Project No.: 1000ENV	**SDR ENTERPRISES, LLC**	**Figure 1: Site Location Topographic Map**
Scale: 1:15,897	**3901 S Eunice Hwy, Hobbs, NM 88240**	**Lobo to Eddy State ARV Release**
Source: Google Earth	**PH. (575) 393-8420**	**Units A and B, Section 35, Township 25 South, Range 28 East**
Date: January 4, 2021		**Lat/Long: 32.09352º North, 104.05411º West**
		Eddy County, New Mexico
		Solaris Water, LLC

Project No.: 1000ENV	**SDR ENTERPRISES, LLC**	**Figure 2: Release Area Aerial Image Map**
Scale: 1:1,128	**3901 S Eunice Hwy, Hobbs, NM 88240**	**Lobo to Eddy State ARV Release**
Source: Google Earth	**PH. (575) 393-8420**	**Units A and B, Section 35, Township 25 South, Range 28 East**
Date: January 4, 2021		**Lat/Long: 32. 64601° North, 104.07430° West**
		Eddy County, New Mexico
		Solaris Water, LLC

Project No.: 1000ENV	SDR ENTERPRISES, LLC	**Figure 3: Excavated Area Aerial Image Map**
Scale: 1:1,089		
Source: Google Earth	**3901 S Eunice Hwy, Hobbs, NM 88240**	**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**
Date: January 4, 2021	**PH. (575) 393-8420**	



Project No.: 1000ENV	**Figure 4a: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:117	**Lobo to Eddy State ARV Release** **Units A and B, Section 35, Township 25 South, Range 28 East** **Lat/Long: 32. 64601º North, 104.07430º West** **Eddy County, New Mexico** **Solaris Water, LLC**
Source: Google Earth	
Date: January 12, 2021	

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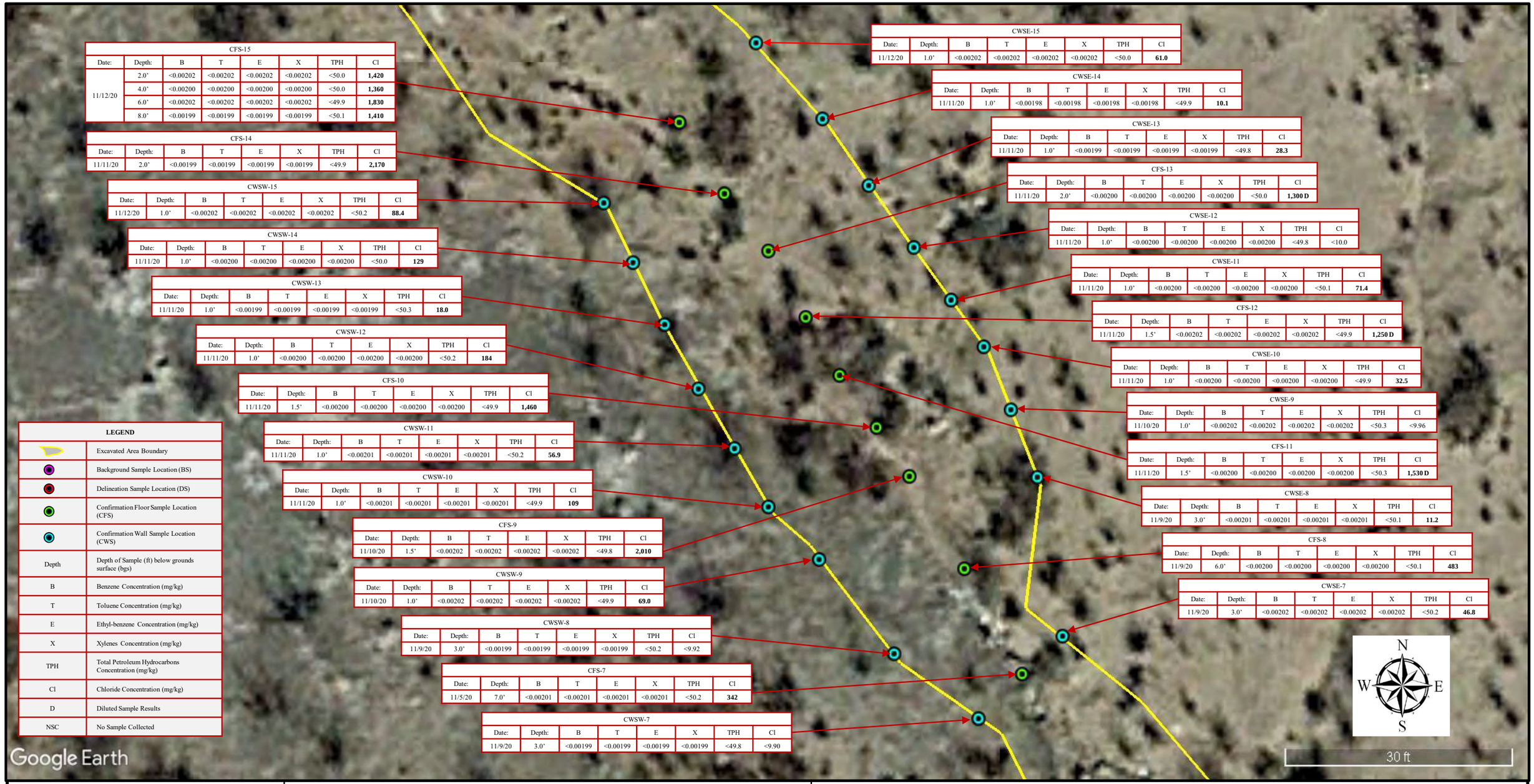
3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420



Project No.: 1000ENV	**Figure 4b: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:120	**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 12, 2021	

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3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420

Project No.: 1000ENV	**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	

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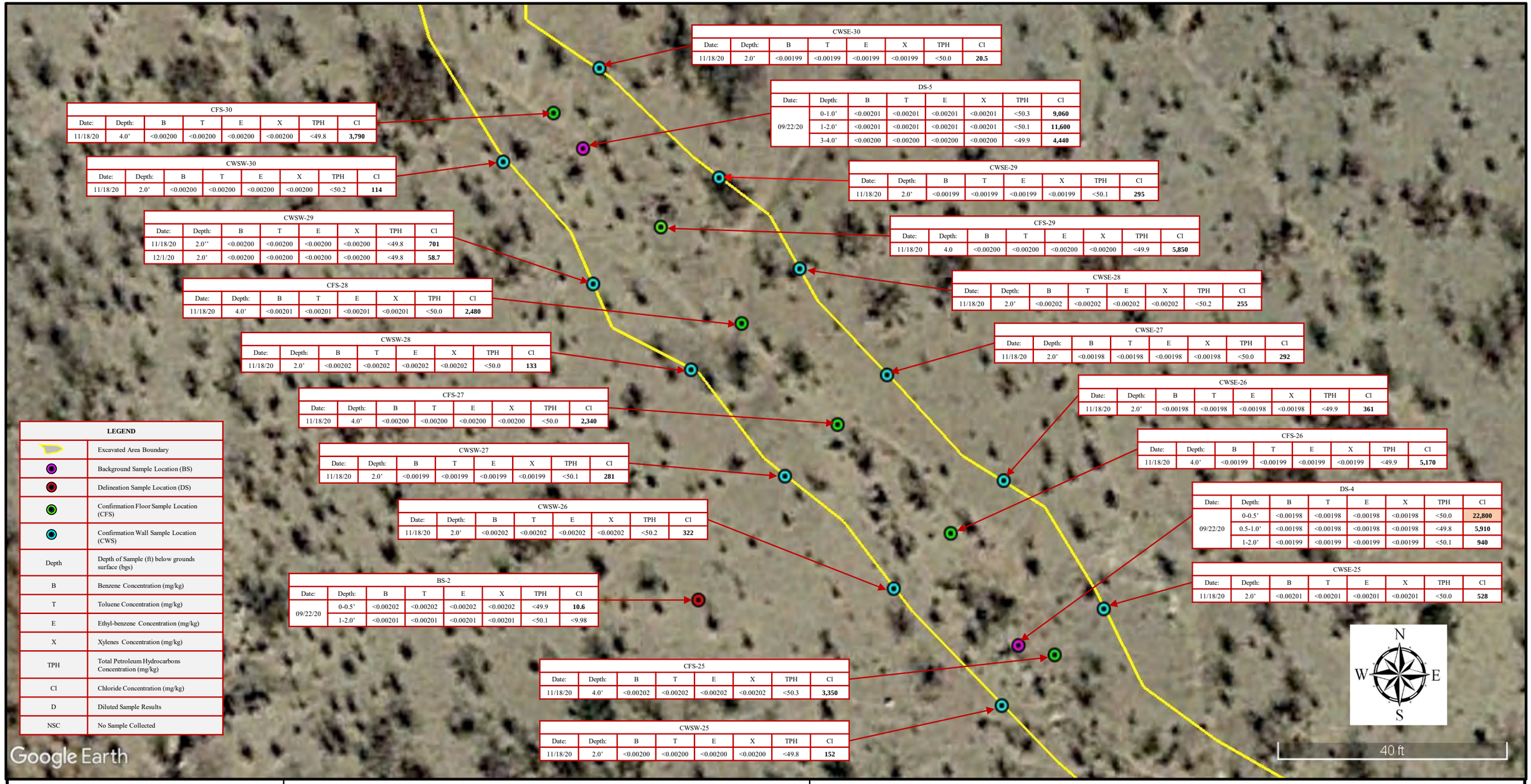
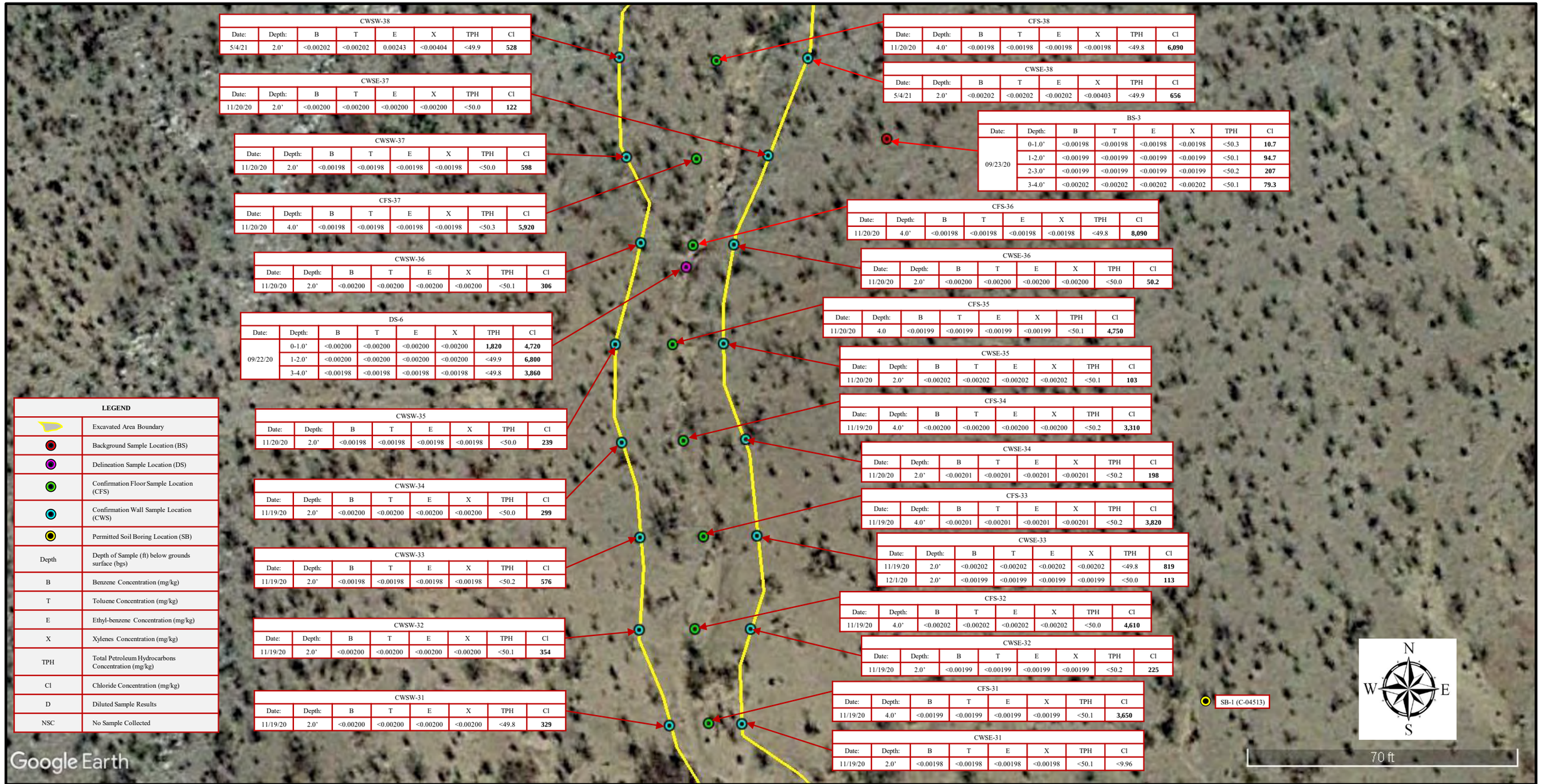
3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420



Project No.: 1000ENV	**SDR ENTERPRISES, LLC** **3901 S Eunice Hwy, Hobbs, NM 88240** **PH. (575) 393-8420**
Scale: 1:159	**Figure 4d: Excavation, Sample Locations, and Analytical Results Map**
Source: Google Earth	**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**
Date: January 12, 2021	



Project No.: 1000ENV	**Figure 4e: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:237	**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 13, 2021	

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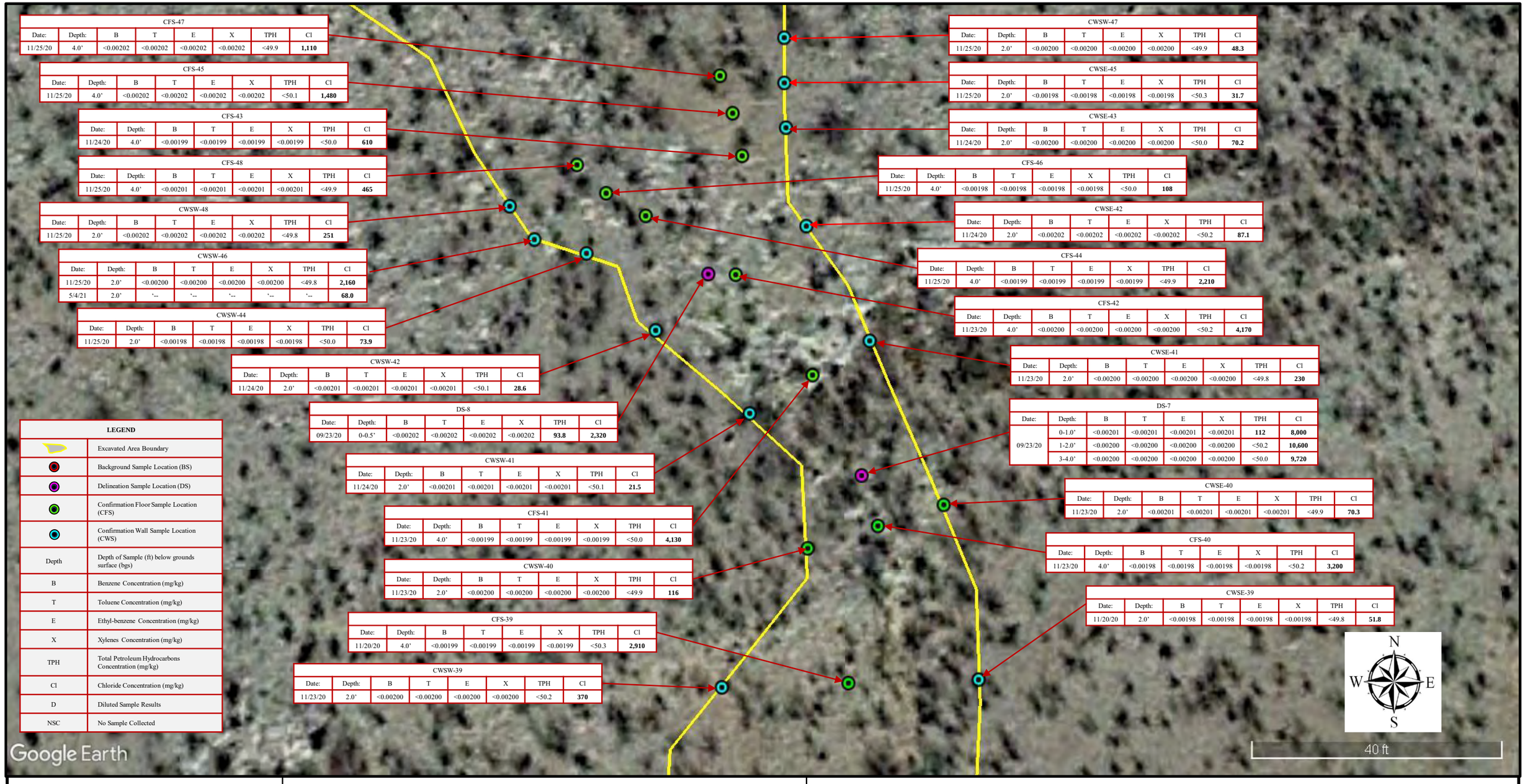
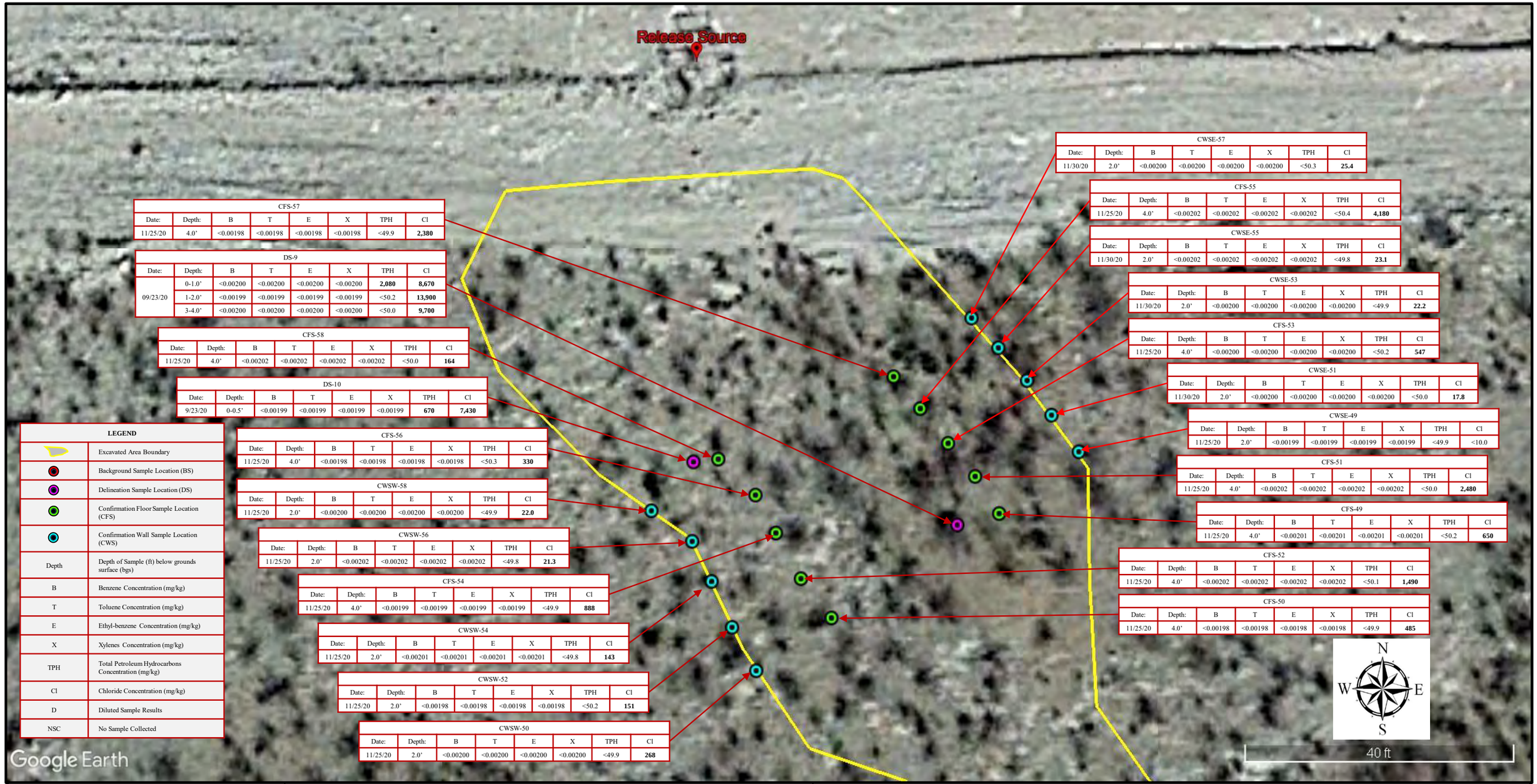
3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420



Project No.: 1000ENV	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. 64601º North, 104.07430º West** **Eddy County, New Mexico** **Solaris Water, LLC**
Scale: 1:147		
Source: Google Earth		
Date: January 14, 2021		

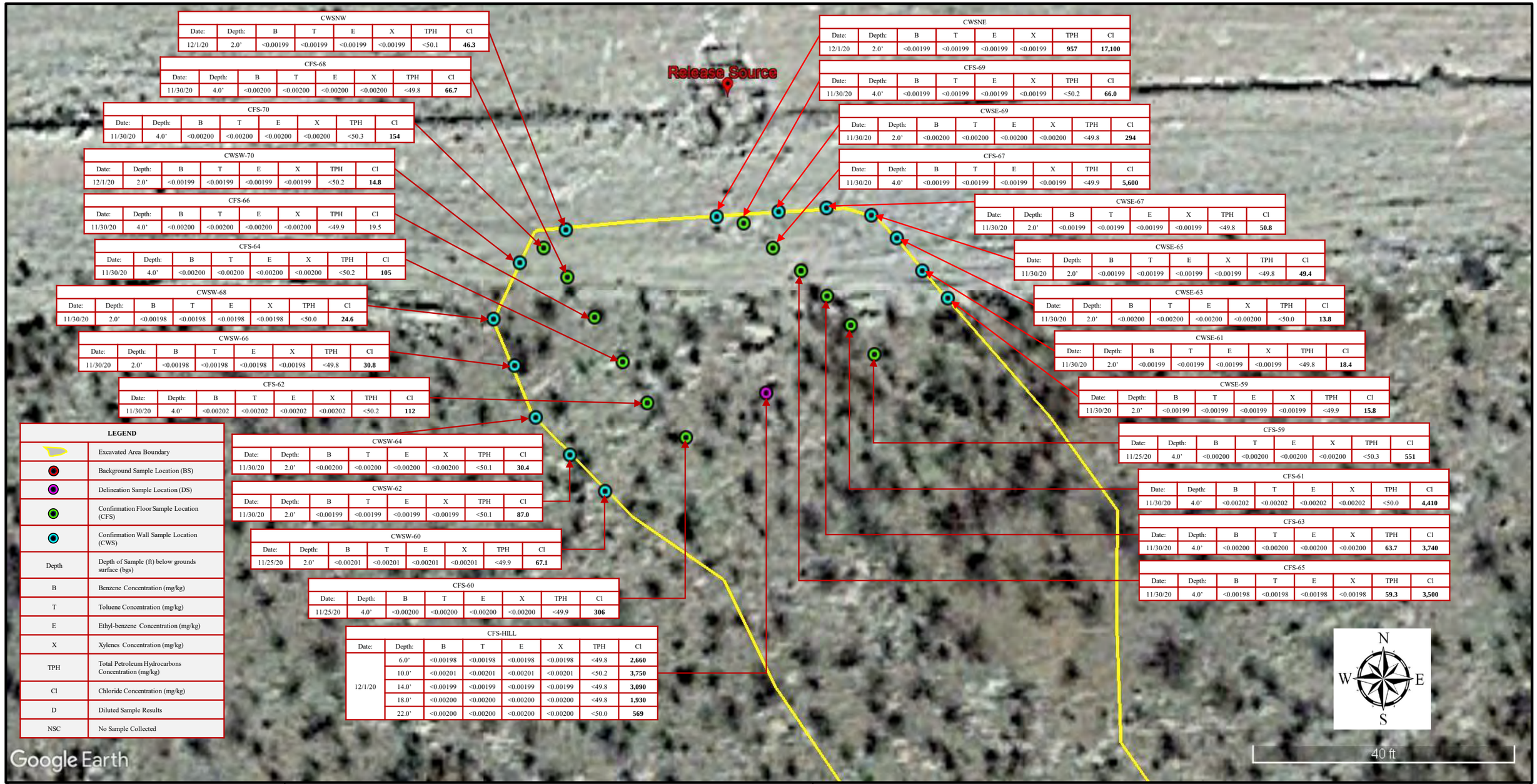


Project No.: 1000ENV	**Figure 4g: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:135	**Lobo to Eddy State ARV Release** **Units A and B, Section 35, Township 25 South, Range 28 East** **Lat/Long: 32. 64601° North, 104.07430° West** **Eddy County, New Mexico** **Solaris Water, LLC**
Source: Google Earth	
Date: January 13, 2021	

SDR ENTERPRISES, LLC

3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420



CWSNW							
Date:	Depth:	B	T	E	X	TPH	Cl
12/1/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	**46.3**

CFS-68							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	**66.7**

CFS-70							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	**154**

CWSW-70							
Date:	Depth:	B	T	E	X	TPH	Cl
12/1/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	**14.8**

CFS-66							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	19.5

CFS-64							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	**105**

CWSW-68							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	**24.6**

CWSW-66							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	**30.8**

CFS-62							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	**112**

CWSW-64							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	**30.4**

CWSW-62							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	**87.0**

CWSW-60							
Date:	Depth:	B	T	E	X	TPH	Cl
11/25/20	2.0'	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	**67.1**

CFS-60							
Date:	Depth:	B	T	E	X	TPH	Cl
11/25/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	**306**

CFS-HILL							
Date:	Depth:	B	T	E	X	TPH	Cl
12/1/20	6.0'	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	**2,660**
	10.0'	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	**3,750**
	14.0'	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	**3,090**
	18.0'	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	**1,930**
	22.0'	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	**569**

CWSNE							
Date:	Depth:	B	T	E	X	TPH	Cl
12/1/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	**957**	**17,100**

CFS-69							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	**66.0**

CWSE-69							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	**294**

CFS-67							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	**5,600**

CWSE-67							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	**50.8**

CWSE-65							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	**49.4**

CWSE-63							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	**13.8**

CWSE-61							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	**18.4**

CWSE-59							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	2.0'	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	**15.8**

CFS-59							
Date:	Depth:	B	T	E	X	TPH	Cl
11/25/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	**551**

CFS-61							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	**4,410**

CFS-63							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00200	<0.00200	<0.00200	<0.00200	**63.7**	**3,740**

CFS-65							
Date:	Depth:	B	T	E	X	TPH	Cl
11/30/20	4.0'	<0.00198	<0.00198	<0.00198	<0.00198	**59.3**	**3,500**

LEGEND	
	Excavated Area Boundary
	Background Sample Location (BS)
	Delineation Sample Location (DS)
	Confirmation Floor Sample Location (CFS)
	Confirmation Wall Sample Location (CWS)
Depth	Depth of Sample (ft) below grounds surface (bgs)
B	Benzene Concentration (mg/kg)
T	Toluene Concentration (mg/kg)
E	Ethyl-benzene Concentration (mg/kg)
X	Xylenes Concentration (mg/kg)
TPH	Total Petroleum Hydrocarbons Concentration (mg/kg)
Cl	Chloride Concentration (mg/kg)
D	Diluted Sample Results
NSC	No Sample Collected

Project No.: 1000ENV	SDR ENTERPRISES, LLC **3901 S Eunice Hwy, Hobbs, NM 88240** **PH. (575) 393-8420**	**Figure 4h: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:135		**Lobo to Eddy State ARV Release** **Units A and B, Section 35 Township 25 South, Range 28 East** **Lat/Long: 32. 64601º North, 104.07430º West** **Eddy County, New Mexico** **Solaris Water, LLC**
Source: Google Earth		
Date: January 14, 2021		

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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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

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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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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**

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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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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

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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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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, ethy-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 excedes 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

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

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

Incident ID	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)

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

Cause of Release

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? ☑ Yes ☐ 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 approximatley 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-141was 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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

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

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: Rob Kirk Title: General Manager, HSE & Compliance

Signature: RC Kirk Date: 02/19/2020

email: rob.kirk@solarismidstream.com Telephone: 432-203-9020

OCD Only

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

SDR ENTERPRISES, LLC

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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	<120 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	Grab	--	<120 mg/L		Clayey Silt, dull orange, gysum 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		
							5'	TD @ 4 Feet BGS
							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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Comp	2.9 ppm	340 mg/L		Topsoil: Clayey Silt, dull orange, gysum 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum 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 cemeted 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 cemeted 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1.5'	Comp	42.3 ppm	3,812 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
								TD @ 1.5 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG

SDR ENTERPRISES, LLC

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. Fergerson
COMPLETION DATE:	11/12/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite and grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum 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, gysum in matrix, loosely consolidated, dry, no odor
	ML	2'	3'	NS	--	--		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum 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		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum in matrix, loosely consolidated, dry, no odor
		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. Fergerson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

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

LOCATION AND EXCAVATION LITHOLOGIC LOG

SDR ENTERPRISES, LLC

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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum 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, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	NS	--	--		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML		0.5'	Grab	--	19,416 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		0' 0.5'	1.0'	Grab	-	6,160 mg/L		
	ML	1.0'	2.0'	Grab	--	980 mg/L		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemeted vf grain sand, dry, sl hydrocarbon odor Clayey Silt, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum in matrix, loosely consolidated, dry, no odor
								TD @ 2 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

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. Fergerson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	9,968 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	Grab	--	9,180 mg/L		Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	Grab	--	4,140 mg/L		Silty Clay, dull orange, gysum 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
								TD @ 4 Feet BGS
							5'	
							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. Fergerson
COMPLETION DATE:	11/19/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	NS	--	--		Clayey Silt, dull orange, gysum 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
								TD @ 4 Feet BGS
							5'	
							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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	9,968 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	9,180 mg/L		Clayey Silt, dull orange, gysum 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
								TD @ 4 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG

SDR ENTERPRISES, LLC

SAMPLE NAME:	DS-7	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:	9/23/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	9/23/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	7,216 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	9,968 mg/L		Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	Grab	--	9,180 mg/L		Silty Clay, light brownish-gray, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
		3'	4'	Grab	--	8,464 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:	DS-9	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:	9/23/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	9/23/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	8,464 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	10,848 mg/L		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemeted vf grain sand, dry, sl hydrocarbon odor
		2'	3'	Grab	--	9,180 mg/L		Quartzite, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		3'	4'	Grab	--	6,160 mg/L		Quartzite, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon 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. Fergerson
COMPLETION DATE:	12/1/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	NS	--	--		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemeted 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'	Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		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		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
							15'	
		17'	18'	Grab	2.6 ppm	2,144 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
							20'	
		21'	22'	Grab	1.5 ppm	720 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
								TD @ 22 Feet BGS
							25'	

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. Fergerson
COMPLETION DATE:	5/4/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab cutting samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	NS	--	--		Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	NS	--	--		Silty Clay, dull orange, loosely consolidated, dry, no odor
		3'	4'	NS	--	--		*Lithologic descriptions from 0' to 4' below ground surface was extrapolated from the lithologic descriptions for CFS-32*
							5'	*No lithologic descriptions available from 4' to 14' below ground surface due to drilling operations being initiated prior to collecting cutting samples*
							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 FROM	SAMPLE TO	SAMPLE TYPE	SAMPLE %	SAMPLE PID	DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES
								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 FROM	SAMPLE TO	SAMPLE TYPE	SAMPLE %	SAMPLE PID	DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES
								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 FROM	SAMPLE TO	SAMPLE TYPE	SAMPLE %	SAMPLE PID	DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES
								Silty Clay, dull orange, moderately-tightly compacted, dry, no odor
		89'	90'	Cuttings	--	--	90'	Silty Clay, dull brown, moderately compacted, dry, no odor
	CL	94'	95'	Cuttings	--	--	95'	Silty Clay, dull orange, moderately-tightly compacted, dry, no odor
		99'	100'	Cuttings	--	--	100'	Silty Clay, dull orange, moderately-tightly compacted, dry, no odor
		104'	105'	Cuttings	--	--	105'	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

Solaris | Lobo to Eddy State ARV Release | 1000ENV | 1

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

Solaris | Lobo to Eddy State ARV Release | 1000ENV | 2

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)

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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

Analysis Requested		673381-001		673381-002		673381-003		673381-004		673381-005		673381-006	
	Field Id:	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')	
	Depth:	0-1 ft		1-2 ft		2-3 ft		3-4 ft		0-1 ft		1-2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested		673381-007		673381-008		673381-009		673381-010		673381-011		673381-012	
	Field Id:	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')	
	Depth:	3-4 ft		0-0.5 ft		1-2 ft		0-0.5 ft		0.5-1 ft		1-2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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 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

Analysis Requested		673381-013		673381-014		673381-015		673381-016		673381-017		673381-018	
	Field Id:	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')	
	Depth:	0-0.5 ft		0.5-1 ft		1-2 ft		0-0.5 ft		1-2 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested		673381-019		673381-020		673381-021		673381-022		673381-023		673381-024	
	Field Id:	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')	
	Depth:	1-2 ft		3-4 ft		0-1 ft		0-2 ft		3-4 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested		673381-025		673381-026		673381-027		673381-028		673381-029		673381-030	
	Field Id:	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')	
	Depth:	1-2 ft		2-3 ft		3-4 ft		0-1 ft		0-2 ft		3-4 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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

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

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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

Analysis Requested		673381-031		673381-032		673381-033		673381-034		673381-035	
	Field Id:	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')	
	Depth:	0-0.5 ft		0-1 ft		1-2 ft		3-4 ft		0-0.5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/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	<0.00199	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	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

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Analytical Report 673381

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

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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

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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

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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	

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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	

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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	

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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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Certificate of Analytical Results 673381

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:	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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Certificate of Analytical Results 673381

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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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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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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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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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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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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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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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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:	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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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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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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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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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:	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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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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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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:	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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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	

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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

QC Summary 673381

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3137990 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711983-1-BLK — LCS Sample Id: 7711983-1-BKS — 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 — Prep Method: E300P
Seq Number: 3137991 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711985-1-BLK — LCS Sample Id: 7711985-1-BKS — 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 — Prep Method: E300P
Seq Number: 3137990 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-001 — MS Sample Id: 673381-001 S — 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 — Prep Method: E300P
Seq Number: 3137990 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-011 — MS Sample Id: 673381-011 S — 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 — Prep Method: E300P
Seq Number: 3137991 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-021 — MS Sample Id: 673381-021 S — 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 — Prep Method: E300P
Seq Number: 3137991 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-031 — MS Sample Id: 673381-031 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 673381

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3137927 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711925-1-BLK — LCS Sample Id: 7711925-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3137906 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711922-1-BLK — LCS Sample Id: 7711922-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3138023 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712008-1-BLK — LCS Sample Id: 7712008-1-BKS — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3138100 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712024-1-BLK — LCS Sample Id: 7712024-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3137927 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711925-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3137906 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711922-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3138023 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712008-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3138100 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712024-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 673381

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3137927 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673298-002 — MS Sample Id: 673298-002 S — 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 — Prep Method: SW8015P
Seq Number: 3137906 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673298-001 — MS Sample Id: 673298-001 S — 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 — Prep Method: SW8015P
Seq Number: 3138023 — Matrix: Soil — Date Prep: 09.24.2020
Parent Sample Id: 673419-001 — MS Sample Id: 673419-001 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3138100 Matrix: Soil Date Prep: 09.24.2020
Parent Sample Id: 673381-023 MS Sample Id: 673381-023 S 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** Prep Method: SW5035A
Seq Number: 3137987 Matrix: Solid Date Prep: 09.23.2020
MB Sample Id: 7711980-1-BLK LCS Sample Id: 7711980-1-BKS 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** Prep Method: SW5035A
Seq Number: 3138112 Matrix: Solid Date Prep: 09.24.2020
MB Sample Id: 7711981-1-BLK LCS Sample Id: 7711981-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3137987 Matrix: Soil Date Prep: 09.23.2020
Parent Sample Id: 673381-001 MS Sample Id: 673381-001 S 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** Prep Method: SW5035A
Seq Number: 3138112 Matrix: Soil Date Prep: 09.24.2020
Parent Sample Id: 673381-021 MS Sample Id: 673381-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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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Project Manager:	John Fergerson	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

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	Turn Around	
Project Number:	1000ENV	☑ 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)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	5.0/4.8	
Total Containers:		Corrected Temperature:	4.8	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
DS-1 (0-1.0')	S	9/21/20	1220	0-1.0'	G	1		✓	✓	✓	
DS-1 (1-2.0')	S	9/21/20	1225	1-2.0'	G	1		✓	✓	✓	
DS-1 (2-3.0')	S	9/21/20	1230	2-3.0'	G	1		✓	✓	✓	
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		✓	✓	✓	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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

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
1	Cleo Cofer 9:23:20 1437	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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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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Project Manager:	John Fergerson	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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
DS-3 (0.5-1.0')	S	9/22/20	1100	0.5-1.0'	G	1		✓	✓	✓	
DS-3 (1-2.0')	S	9/22/20	1105	1-2.0'	G	1		✓	✓	✓	
DS-4 ~~(0.5-1.0')~~ (0-0.5')	S	9/22/20	1150	0-0.5'	G	1		✓	✓	✓	
DS-4 (0.5-1.0')	S	9/22/20	1155	0.5-1.0'	G	1		✓	✓	✓	
DS-4 (1-2.0')	S	9/22/20	1200	1-2.0'	G	1		✓	✓	✓	
BS-2 (0-0.5')	S	9/22/20	1330	0-0.5'	G	1		✓	✓	✓	
BS-2 (1-2.0')	S	9/22/20	1340	1-2.0'	G	1		✓	✓	✓	
DS-5 (0-1.0')	S	9/22/20	1430	0-1.0'	G	1		✓	✓	✓	
DS-5 (1-2.0')	S	9/22/20	1435	1-2.0'	G	1		✓	✓	✓	
DS-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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cleve Cloudon	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
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673381

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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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Project Manager:	John Fergerson	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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1	
Cooler Custody Seals:	Yes No 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	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
DS-6 (0-1.0')	S	9/22/20	1600	0-1.0'	G	1		✓	✓	✓	
DS-6 (1-2.0')	S	9/22/20	1605	1-2.0'	G	1		✓	✓	✓	
DS-6 (3-4.0')	S	9/22/20	1620	3-4.0'	G	1		✓	✓	✓	
BS-3 (0-1.0')	S	9/23/20	0910	0-1.0'	G	1		✓	✓	✓	
BS-3 (1-2.0')	S	9/23/20	0915	1-2.0'	G	1		✓	✓	✓	
BS-3 (2-3.0')	S	9/23/20	0920	2-3.0'	G	1		✓	✓	✓	
BS-3 (3-4.0')	S	9/23/20	0930	3-4.0'	G	1		✓	✓	✓	
DS-7 (0-1.0')	S	9/23/20	1005	0-1.0'	G	1		✓	✓	✓	
DS-7 (1-2.0')	S	9/23/20	~~1010~~ 1015	1-2.0'	G	1		✓	✓	✓	
DS-7 (3-4.0')	S	9/23/20	1025	3-4.0'	G	1		✓	✓	✓	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Clue Clifton 9.23.20 1437	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: 673381

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Project Manager:	John Fergerson	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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	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	1120	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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Clifton 9-23-20	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Released to Imaging: 11/16/2021 8:06:05 AM

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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

Analysis Requested													
	Lab Id:	676830-001		676830-002		676830-003		676830-004		676830-005		676830-006	
	Field Id:	CFS-1		CWSS-1		CWSE-1		CWSW-1		CFS-2		CWSE-2	
	Depth:	1.0- ft		1.0- ft		1.0- ft		1.0- ft		1.0- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Jessica Kramer

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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

Analysis Requested													
	Lab Id:	676830-007		676830-008		676830-009		676830-010		676830-011		676830-012	
	Field Id:	CWSW-2		CFS-3		CWSE-3		CWSW-3		CFS-4		CFS-4	
	Depth:	1.0- ft		1.0- ft		1.0- ft		1.0- ft		2.0- ft		3.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	676830-013		676830-014		676830-015		676830-017		676830-018		676830-019	
	Field Id:	CFS-5		CFS-5		CWSS-4		CFS-5		CWSE-4		CWSW-4	
	Depth:	2.0- ft		4.0- ft		4.0- ft		5.0- ft		3.0- ft		3.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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Analytical Report 676830

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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	

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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	

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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				
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 16:23	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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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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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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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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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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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				
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 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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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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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:	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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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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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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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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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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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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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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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**	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:	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 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	

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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	

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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:	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 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	

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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

QC Summary 676830

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141404 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714493-1-BLK — LCS Sample Id: 7714493-1-BKS — 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 — Prep Method: E300P
Seq Number: 3141404 — Matrix: Soil — Date Prep: 11.04.2020
Parent Sample Id: 676830-001 — MS Sample Id: 676830-001 S — 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 — Prep Method: E300P
Seq Number: 3141404 — Matrix: Soil — Date Prep: 11.04.2020
Parent Sample Id: 676830-011 — MS Sample Id: 676830-011 S — 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 — Prep Method: SW8015P
Seq Number: 3141427 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714498-1-BLK — LCS Sample Id: 7714498-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3141427 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714498-1-BLK

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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 676830

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141427 Matrix: Soil Date Prep: 11.04.2020
Parent Sample Id: 676830-001 MS Sample Id: 676830-001 S 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** Prep Method: SW5035A
Seq Number: 3141399 Matrix: Solid Date Prep: 11.04.2020
MB Sample Id: 7714494-1-BLK LCS Sample Id: 7714494-1-BKS 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** Prep Method: SW5035A
Seq Number: 3141399 Matrix: Soil Date Prep: 11.04.2020
Parent Sample Id: 676830-001 MS Sample Id: 676830-001 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 676830

www.xenco.com Page 1 of 2

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TN1H007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.6
Total Containers:	19	Corrected Temperature:	4.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-1	S	10/30/2020	1010	1.0'	Comp	1		X	X	X	
CWSS-1	S	10/30/2020	1015	1.0'	Comp	1		X	X	X	
CWSE-1	S	10/30/2020	1020	1.0'	Comp	1		X	X	X	
CWSW-1	S	10/30/2020	1030	1.0'	Comp	1		X	X	X	
CFS-2	S	10/30/2020	1120	1.0'	Comp	1		X	X	X	
CWSE-2	S	10/30/2020	1125	1.0'	Comp	1		X	X	X	
CWSW-2	S	10/30/2020	1130	1.0'	Comp	1		X	X	X	
CFS-3	S	10/30/2020	1155	1.0'	Comp	1		X	X	X	
CWSE-3	S	10/30/2020	1200	1.0'	Comp	1		X	X	X	
CWSW-3	S	10/30/2020	1205	1.0'	Comp	1		X	X	X	

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 SiO_2 Na Sr Tl 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

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
1		11/4/20 0817	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.001
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Released to Imaging: 11/16/2021 8:06:05 AM

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676830

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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: _____

www.xenco.com Page 2 of 2

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-4	S	10/30/2020	1315	2.0'	Comp	1		X	X	X	
CFS-4	S	11/2/2020	1355	3.0'	Comp	1		X	X	X	
CFS-5	S	11/2/2020	1440	2.0'	Comp	1		X	X	X	
CFS-5	S	11/2/2020	1455	4.0'	Comp	1		X	X	X	
CWSS-4	S	11/3/2020	1415	4.0'	Comp	1		X	X	X	
CFS-4	S	11/3/2020	1420	5.0'	Comp	1		X	X	X	Hold
CFS-5	S	11/3/2020	1425	5.0'	Comp	1		X	X	X	
CWSE-4	S	11/3/2020	1440	3.0'	Comp	1		X	X	X	
CWSW-4	S	11/3/2020	1445	3.0'	Comp	1		X	X	X	
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 SiO_2 Na Sr Tl 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

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
1		11/4/20 0817	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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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

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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

Analysis Requested													
	Lab Id:	677178-001		677178-002		677178-003		677178-004		677178-005		677178-006	
	Field Id:	CWSW-5		CWSE-5		CWSE-6		CFS-6		CWSW-6		CFS-7	
	Depth:	3.0- ft		3.0- ft		3.0- ft		6.0- ft		3.0- ft		7.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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Analytical Report 677178

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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,

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

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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

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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

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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	

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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	

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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	

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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:	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 15:18	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.09.2020 15:18	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.09.2020 15:18	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.09.2020 15:18	

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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				
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	**42.3**	9.94	mg/kg	11.09.2020 16:55		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 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	

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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	

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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	

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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:	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 16:03	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.09.2020 16:03	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.09.2020 16:03	
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.09.2020 16:03	

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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	

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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	

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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	

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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	

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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

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QC Summary 677178

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141793 — Matrix: Solid — Date Prep: 11.09.2020
MB Sample Id: 7714798-1-BLK — LCS Sample Id: 7714798-1-BKS — 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 — Prep Method: E300P
Seq Number: 3141793 — Matrix: Soil — Date Prep: 11.09.2020
Parent Sample Id: 677168-001 — MS Sample Id: 677168-001 S — 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 — Prep Method: E300P
Seq Number: 3141793 — Matrix: Solid — Date Prep: 11.09.2020
Parent Sample Id: 677178-001 — MS Sample Id: 677178-001 S — 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 — Prep Method: SW8015P
Seq Number: 3141879 — Matrix: Solid — Date Prep: 11.09.2020
MB Sample Id: 7714832-1-BLK — LCS Sample Id: 7714832-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3141879 — Matrix: Solid — Date Prep: 11.09.2020
MB Sample Id: 7714832-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 677178

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141879 Matrix: Soil Date Prep: 11.09.2020
Parent Sample Id: 677178-001 MS Sample Id: 677178-001 S 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** Prep Method: SW5035A
Seq Number: 3141941 Matrix: Solid Date Prep: 11.09.2020
MB Sample Id: 7714805-1-BLK LCS Sample Id: 7714805-1-BKS 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** Prep Method: SW5035A
Seq Number: 3141941 Matrix: Soil Date Prep: 11.09.2020
Parent Sample Id: 677178-001 MS Sample Id: 677178-001 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 677178

www.xenco.com Page 1 of 1

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes / No	Wet Ice:	Yes / No	
Samples Received Intact:	Yes / No	Thermometer ID:	TNM007	3.4 / 3.2
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:		-0.2
Sample Custody Seals:	Yes / No / N/A	Temperature Reading:		3.4 / 3.2
Total Containers:	6	Corrected Temperature:		3.2

Parameters: BTEX 8021B; TPH (GRO+DRO+MRO) 8015M; Chloride EPA 300.0 — Pres. Code: CC 11/6/20

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSW-5	S	11/4/20	1055	3.0'	Comp	1	✓	✓	✓	
CWSE-5	S	11/4/20	1250	3.0'	Comp	1	✓	✓	✓	
CWSE-6	S	11/4/20	1510	3.0'	Comp	1	✓	✓	✓	
CFS-6	S	11/5/20	1035	6.0'	Comp	1	✓	✓	✓	
CWSW-6	S	11/5/20	1055	3.0'	Comp	1	✓	✓	✓	
CFS-7	S	11/5/20	1530	7.0'	Comp	1	✓	✓	✓	
Temp Blank										

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; 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 SiO_2 Na Sr Tl 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

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
1			2		
3		11/4/20 1537	4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
Page 21 of 22

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

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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

Analysis Requested													
	Lab Id:	677299-002		677299-003		677299-004		677299-005		677299-006			
	Field Id:	CFS-8		CWSE-7		CWSW-7		CWSW-8		CWSE-8			
	Depth:	6- ft		3- ft		3- ft		3- ft		3- ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL			
	Sampled:	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	***Extracted:***	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			
	Analyzed:	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			
	Units/RL:	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	***Extracted:***	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			
	Analyzed:	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			
	Units/RL:	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	***Extracted:***	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			
	Analyzed:	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			
	Units/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	<49.8	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

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Analytical Report 677299

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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				
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	<0.00200	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	

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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	

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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				
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	<0.00202	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	

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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	

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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	

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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	

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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				
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 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	

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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	

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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				
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	<0.00201	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	

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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

QC Summary 677299

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141921 — Matrix: Solid — Date Prep: 11.10.2020
MB Sample Id: 7714902-1-BLK — LCS Sample Id: 7714902-1-BKS — 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 — Prep Method: E300P
Seq Number: 3141921 — Matrix: Soil — Date Prep: 11.10.2020
Parent Sample Id: 677299-002 — MS Sample Id: 677299-002 S — 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 — Prep Method: E300P
Seq Number: 3141921 — Matrix: Soil — Date Prep: 11.10.2020
Parent Sample Id: 677372-003 — MS Sample Id: 677372-003 S — 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 — Prep Method: SW8015P
Seq Number: 3141919 — Matrix: Solid — Date Prep: 11.10.2020
MB Sample Id: 7714921-1-BLK — LCS Sample Id: 7714921-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3141919 — Matrix: Solid — Date Prep: 11.10.2020
MB Sample Id: 7714921-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 677299

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141919 Matrix: Soil Date Prep: 11.10.2020
Parent Sample Id: 677299-002 MS Sample Id: 677299-002 S 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** Prep Method: SW5035A
Seq Number: 3141914 Matrix: Solid Date Prep: 11.10.2020
MB Sample Id: 7714901-1-BLK LCS Sample Id: 7714901-1-BKS 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** Prep Method: SW5035A
Seq Number: 3141914 Matrix: Soil Date Prep: 11.10.2020
Parent Sample Id: 677299-002 MS Sample Id: 677299-002 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 677299

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	3.6	
Total Containers:		Corrected Temperature:	3.4	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-7	S	11/9/20	1210	6.0'	Comp	1	✓	✓	✓	
CFS-8	S	11/9/20	1320	6.0'	Comp	1	✓	✓	✓	
CWSE-7	S	11/9/20	1325	3.0'	Comp	1	✓	✓	✓	
CWSW-7	S	11/9/20	1330	3.0'	Comp	1	✓	✓	✓	
CWSW-8	S	11/9/20	1345	3.0'	Comp	1	✓	✓	✓	
CWSE-8	S	11/9/20	1540	3.0'	Comp	1	✓	✓	✓	
Temp Blank										QA/QC

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; 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 SiO_2 Na Sr Tl 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

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
1		11/9/20 1700	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.001
Page 19 of 20
Released to Imaging: 11/16/2021 8:06:05 AM

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

Checklist reviewed by: Jessica Kramer Date: 11.10.2020

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

Analysis Requested													
	Lab Id:	677883-001		677883-002		677883-003		677883-004		677883-005		677883-006	
	Field Id:	CFS-9		CWSW-9		CWSE-9		CWSE-10		CWSW-10		CFS-10	
	Depth:	1.5- ft		1.0- ft		1.0- ft		1.0- ft		1.0- ft		1.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	677883-007		677883-008		677883-009		677883-010		677883-011		677883-012	
	Field Id:	CWSW-11		CWSE-11		CFS-11		CWSE-12		CFS-12		CWSW-12	
	Depth:	1.0- ft		1.0- ft		1.5- ft		1.0- ft		1.5- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	677883-013		677883-014		677883-015		677883-016		677883-017		677883-018	
	Field Id:	CWSE-13		CFS-13		CFS-14		CWSE-14		CWSW-13		CWSW-14	
	Depth:	1.0- ft		2.0- ft		2.0- ft		1.0- ft		1.0- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	677883-019		677883-020		677883-021		677883-022		677883-023		677883-024	
	Field Id:	CWSE-15		CWSW-15		CFS-15		CFS-15		CFS-15		CFS-16	
	Depth:	1.0- ft		1.0- ft		1.2.0- ft		4.0- ft		6.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	677883-025		677883-026		677883-027		677883-028		677883-029		677883-030	
	Field Id:	CFS-15		CWSE-16		CWSW-16		CFS-17		CWSW-17		CWSE-17	
	Depth:	8.0- ft		1.0- ft		1.5- ft		2.5- ft		1.5- ft		1.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

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

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Analytical Report 677883

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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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

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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

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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	

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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				
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	<0.00202	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	

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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	

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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				
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	<0.00202	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	

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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				
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	<9.96	9.96	mg/kg	11.14.2020 00:16	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	<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	

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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:	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	<0.00202	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	

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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	

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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				
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 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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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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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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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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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:	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 09:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 09:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.14.2020 09:42	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.14.2020 09:42	

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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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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:	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 10:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.14.2020 10:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.14.2020 10:05	
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.14.2020 10:05	

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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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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				
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 10:27	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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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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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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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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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				
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 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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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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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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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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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:	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 10:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.14.2020 10:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.14.2020 10:47	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 10:47	

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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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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:	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 11:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 11:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.14.2020 11:10	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 11:10	

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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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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:	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 11:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.14.2020 11:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.14.2020 11:32	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 11:32	

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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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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:	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	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.14.2020 11:54	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.14.2020 11:54	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 11:54	

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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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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:	
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 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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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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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:	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 12:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 12:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.14.2020 12:39	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.14.2020 12:39	

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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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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:	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 13:02	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.14.2020 13:02	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.14.2020 13:02	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 13:02	

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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	% 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 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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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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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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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:	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 14:42	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.14.2020 14:42	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.14.2020 14:42	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 14:42	

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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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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:	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 15:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.14.2020 15:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 15:04	
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.14.2020 15:04	

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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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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:	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 15:27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.14.2020 15:27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.14.2020 15:27	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 15:27	

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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				
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 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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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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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	

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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	

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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	

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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:	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	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.17.2020 23:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.17.2020 23:38	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.17.2020 23:38	

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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	

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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	

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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	

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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:	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 17:41	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.14.2020 17:41	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 17:41	
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.14.2020 17:41	

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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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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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Certificate of Analytical Results 677883

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:	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 00:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.18.2020 00:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.18.2020 00:22	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.18.2020 00:22	

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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	

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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:	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	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.18.2020 00:45	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.18.2020 00:45	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.18.2020 00:45	

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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

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QC Summary 677883

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3142338 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715204-1-BLK — LCS Sample Id: 7715204-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142429 — Matrix: Solid — Date Prep: 11.14.2020
MB Sample Id: 7715205-1-BLK — LCS Sample Id: 7715205-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142338 — Matrix: Soil — Date Prep: 11.13.2020
Parent Sample Id: 677843-002 — MS Sample Id: 677843-002 S — 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 — Prep Method: E300P
Seq Number: 3142338 — Matrix: Soil — Date Prep: 11.13.2020
Parent Sample Id: 677883-006 — MS Sample Id: 677883-006 S — 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 — Prep Method: E300P
Seq Number: 3142429 — Matrix: Soil — Date Prep: 11.14.2020
Parent Sample Id: 677883-015 — MS Sample Id: 677883-015 S — 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 — Prep Method: E300P
Seq Number: 3142429 — Matrix: Soil — Date Prep: 11.14.2020
Parent Sample Id: 677883-025 — MS Sample Id: 677883-025 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142313 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715202-1-BLK — LCS Sample Id: 7715202-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142312 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715201-1-BLK — LCS Sample Id: 7715201-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142566 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715396-1-BLK — LCS Sample Id: 7715396-1-BKS — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142569 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715398-1-BLK — LCS Sample Id: 7715398-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142313 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715202-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3142312 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715201-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3142566 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715396-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3142569 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715398-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142313 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677810-001 MS Sample Id: 677810-001 S 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** Prep Method: SW8015P
Seq Number: 3142312 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677806-001 MS Sample Id: 677806-001 S 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** Prep Method: SW8015P
Seq Number: 3142566 Matrix: Soil Date Prep: 11.17.2020
Parent Sample Id: 677883-023 MS Sample Id: 677883-023 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142569 Matrix: Soil Date Prep: 11.17.2020
Parent Sample Id: 677883-028 MS Sample Id: 677883-028 S 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** Prep Method: SW5035A
Seq Number: 3142323 Matrix: Solid Date Prep: 11.13.2020
MB Sample Id: 7715197-1-BLK LCS Sample Id: 7715197-1-BKS 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** Prep Method: SW5035A
Seq Number: 3142324 Matrix: Solid Date Prep: 11.13.2020
MB Sample Id: 7715198-1-BLK LCS Sample Id: 7715198-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 677883

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3142570 Matrix: Solid Date Prep: 11.17.2020
MB Sample Id: 7715389-1-BLK LCS Sample Id: 7715389-1-BKS 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** Prep Method: SW5035A
Seq Number: 3142323 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677813-003 MS Sample Id: 677813-003 S 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** Prep Method: SW5035A
Seq Number: 3142324 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677883-010 MS Sample Id: 677883-010 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 677883

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3142570 Matrix: Soil Date Prep: 11.17.2020

Parent Sample Id: 678092-001 MS Sample Id: 678092-001 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.8
Total Containers:	32	Corrected Temperature:	1.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-9	S	11/10/20	1150	1.5	Comp	1		✓	✓	✓	
CWSW-9	S	11/10/20	1410	1.0	Comp	1		✓	✓	✓	
CWSE-9	S	11/10/20	1445	1.0	Comp	1		✓	✓	✓	
CWSE-10	S	11/11/20	1020	1.0	Comp	1		✓	✓	✓	
CWSW-10	S	11/11/20	1025	1.0	Comp	1		✓	✓	✓	
CFS-10	S	11/11/20	1030	1.5	Comp	1		✓	✓	✓	
CWSW-11	S	11/11/20	1100	1.0	Comp	1		✓	✓	✓	
CWSE-11	S	11/11/20	1105	1.0	Comp	1		✓	✓	✓	
CFS-11	S	11/11/20	1110	1.5	Comp	1		✓	✓	✓	
CWSE-12	S	11/11/20	1145	1.0	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 SiO_2 Na Sr Tl 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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1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-12	S	11/11/20	1150	1.5'	Comp	1		✓	✓	✓	
CWSW-12	S	11/11/20	1255	1.0'	Comp	1		✓	✓	✓	
CWSE-13	S	11/11/20	1315	1.0'	Comp	1		✓	✓	✓	
CFS-13	S	11/11/20	1320	2.0'	Comp	1		✓	✓	✓	
CFS-14	S	11/11/20	1450	2.0'	Comp	1		✓	✓	✓	
CWSE-14	S	11/11/20	1505	1.0'	Comp	1		✓	✓	✓	
CWSW-13	S	11/11/20	1520	1.0'	Comp	1		✓	✓	✓	
CWSW-14	S	11/11/20	1530	1.0	Comp	1		✓	✓	✓	
CWSE-15	S	11/12/20	1010	1.0	Comp	1		✓	✓	✓	
CWSW-15	S	11/12/20	1050	1.0	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 SiO_2 Na Sr Tl 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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1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Work Order No: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-15	S	11/12/20	1055	2.0'	Comp	1		✓	✓	✓	
CFS-15	S	11/12/20	1125	4.0'	Grab	1		✓	✓	✓	
CFS-15	S	11/12/20	1130	6.0'	Grab	1		✓	✓	✓	
CFS-16	S	11/12/20	1205	2.0'	Comp	1		✓	✓	✓	
CFS-15	S	11/12/20	1320	8.0'	Grab	1		✓	✓	✓	
CWSE-16	S	11/12/20	1420	1.0'	Comp	1		✓	✓	✓	
CWSW-16	S	11/12/20	1515	1.5'	Comp	1		✓	✓	✓	
CFS-17	S	11/13/20	0955	2.5'	Comp	1		✓	✓	✓	
CWSW-17	S	11/13/20	1140	1.5'	Comp	1		✓	✓	✓	
CWSE-17	S	11/13/20	1145	1.5	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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Work Order No: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No		
Samples Received Intact:	Yes No	Thermometer ID:			
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-18	S	11/13/20	1215	2.5'	Comp	1		✓	✓	✓	
CWSE-18	S	11/13/20	1345	1.5'	Comp	1		✓	✓	✓	

Parameters

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 SiO_2 Na Sr Tl 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

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
1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
Page 86 of 87

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

Checklist reviewed by: Jessica Kramer Date: 11.16.2020

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

Analysis Requested													
	Lab Id:	678408-001		678408-002		678408-003		678408-004		678408-005		678408-006	
	Field Id:	CWSW-18		CFS-19		CWSW-19		CWSE-19		CFS-20		CWSE-20	
	Depth:	1.5- ft		2.5- ft		1.5- ft		1.5- ft		2.5- ft		1.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678408-007		678408-008		678408-009		678408-010		678408-011		678408-012	
	Field Id:	CWSW-20		CFS-21		CWSW-21		CWSE-21		CWSW-22		CFS-22	
	Depth:	1.5- ft		3.0- ft		1.5- ft		1.5- ft		2.0- ft		5.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678408-013		678408-014		678408-015		678408-016		678408-017		678408-018	
	Field Id:	CWSE-22		CFS-22		CFS-23		CWSE-23		CWSW-23		CFS-24	
	Depth:	2.5- ft		8.0- ft		6.0- ft		2.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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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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:	678408-019		678408-020		678408-021		678408-022		678408-023		678408-024	
	Field Id:	CWSW-24		CWSE-24		CWSW-25		CFS-25		CWSE-25		CWSW-26	
	Depth:	2.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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

Analysis Requested													
	Lab Id:	678408-025		678408-026		678408-027		678408-028		678408-029		678408-030	
	Field Id:	CWSE-26		CFS-26		CWSW-27		CFS-27		CWSE-27		CWSW-28	
	Depth:	2.0- ft		4.0- ft		2.0- ft		4.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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

Analysis Requested		678408-031		678408-032		678408-033		678408-034		678408-035		678408-036	
	Field Id:	CWSE-28		CFS-28		CWSW-29		CWSE-29		CFS-29		CFS-30	
	Depth:	2.0- ft		4.0- ft		2.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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

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		

BRL - Below Reporting Limit

Jessica Kramer

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

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Analytical Report 678408

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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:	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 18:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 18:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 18:50	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 18:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 18:50	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 18:50	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 18:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.19.2020 18:50	
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.19.2020 18:50	

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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:	**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:	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 19:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 19:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 19:13	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.19.2020 19:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 19:13	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 19:13	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.19.2020 19:13	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 19:13	

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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:	**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:	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 19:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 19:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 19:35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 19:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 19:35	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 19:35	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 19:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.19.2020 19:35	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 19:35	

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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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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:	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 19:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 19:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 19:57	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 19:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 19:57	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 19:57	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 19:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.19.2020 19:57	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 19:57	

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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	

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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:	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	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.19.2020 20:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.19.2020 20:20	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.19.2020 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 20:20	
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.19.2020 20:20	

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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	

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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	

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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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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	

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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:	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 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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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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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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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				
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	11.19.2020 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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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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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: 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 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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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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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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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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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:	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 00:37	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 00:37	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 00:37	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.20.2020 00:37	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 00:37	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 00:37	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 00:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.20.2020 00:37	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.20.2020 00:37	

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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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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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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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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				
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 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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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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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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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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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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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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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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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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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:	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 02:51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 02:51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 02:51	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.20.2020 02:51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 02:51	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 02:51	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 02:51	
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.20.2020 02:51	

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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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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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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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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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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:	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	11.19.2020 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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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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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				
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 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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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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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:	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	11.19.2020 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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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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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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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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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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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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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:	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 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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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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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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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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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:	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	11.20.2020 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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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				
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	11.20.2020 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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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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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	

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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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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:	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	11.20.2020 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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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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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:	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	11.20.2020 02:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.2020 02:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.2020 02:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.2020 02:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.2020 02:50	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.20.2020 02:50	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.20.2020 02:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.20.2020 02:50	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 02:50	

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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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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				
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	11.20.2020 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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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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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:	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	11.20.2020 03:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 03:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 03:35	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.20.2020 03:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 03:35	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 03:35	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.20.2020 03:35	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 03:35	

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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:	
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	11.20.2020 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	

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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**	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:	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	11.20.2020 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	

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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

QC Summary 678408

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3142937 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715678-1-BLK — LCS Sample Id: 7715678-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142938 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715679-1-BLK — LCS Sample Id: 7715679-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142937 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-001 — MS Sample Id: 678408-001 S — 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 — Prep Method: E300P
Seq Number: 3142937 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-011 — MS Sample Id: 678408-011 S — 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 — Prep Method: E300P
Seq Number: 3142938 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-021 — MS Sample Id: 678408-021 S — 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 — Prep Method: E300P
Seq Number: 3142938 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-031 — MS Sample Id: 678408-031 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 678408

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142900 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715571-1-BLK — LCS Sample Id: 7715571-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142902 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715572-1-BLK — LCS Sample Id: 7715572-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142903 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715574-1-BLK — LCS Sample Id: 7715574-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142900 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715571-1-BLK

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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 678408

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142902 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715572-1-BLK

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** Prep Method: SW8015P
Seq Number: 3142903 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715574-1-BLK

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** Prep Method: SW8015P
Seq Number: 3142900 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-001 MS Sample Id: 678408-001 S 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** Prep Method: SW8015P
Seq Number: 3142902 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-021 MS Sample Id: 678408-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142903 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-031 MS Sample Id: 678408-031 S 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** Prep Method: SW5035A
Seq Number: 3142893 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715580-1-BLK LCS Sample Id: 7715580-1-BKS 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** Prep Method: SW5035A
Seq Number: 3142894 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715581-1-BLK LCS Sample Id: 7715581-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 678408

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3142893 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-001 MS Sample Id: 678408-001 S 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** Prep Method: SW5035A
Seq Number: 3142894 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-021 MS Sample Id: 678408-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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: 678408

www.xenco.com Page 1 of 4

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM1007	~~4.2~~
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		4.2
Total Containers:	38	Corrected Temperature:		4.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSW-18	S	11/16/20	0920	1.5'	Comp	1		✓	✓	✓	
CFS-19	S	11/16/20	1040	2.5'	Comp	1		✓	✓	✓	
CWSW-19	S	11/16/20	1045	1.5'	Comp	1		✓	✓	✓	
CWSE-19	S	11/16/20	1145	1.5'	Comp	1		✓	✓	✓	
CFS-20	S	11/16/20	1315	2.5'	Comp	1		✓	✓	✓	
CWSE-20	S	11/16/20	1320	1.5'	Comp	1		✓	✓	✓	
CWSW-20	S	11/16/20	1430	1.5'	Comp	1		✓	✓	✓	
CFS-21	S	11/16/20	1435	3.0'	Comp	1		✓	✓	✓	
CWSW-21	S	11/17/20	0920	1.5'	Comp	1		✓	✓	✓	
CWSE-21	S	11/17/20	0925	1.5'	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 SiO_2 Na Sr Tl 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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3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Work Order No: 678408

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TPM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSW-22	S	11/17/20	0940	2.0'	Comp	1	✓	✓	✓
~~CWSE-CFS-22~~	S	11/17/20	1030	5.0'	Grab	1	✓	✓	✓
CWSE-22	S	11/17/20	1035	2.5'	Comp	1	✓	✓	✓
CFS-22	S	11/17/20	1115	8.0'	Grab	1	✓	✓	✓
CFS-23	S	11/17/20	1225	6.0'	Comp	1	✓	✓	✓
CWSE-23	S	11/17/20	1350	2.0'	Comp	1	✓	✓	✓
CWSW-23	S	11/17/20	1355	2.0'	Comp	1	✓	✓	✓
CFS-24	S	11/17/20	1400	4.0'	Comp	1	✓	✓	✓
CWSW-24	S	11/17/20	1435	2.0'	Comp	1	✓	✓	✓
CWSE-24	S	11/17/20	1530	2.0'	Comp	1	✓	✓	✓

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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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Revised Date: 08/25/2020 Rev. 2020.2

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Work Order No: 678408

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNH007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSW-25	S	11/18/20	0920	2.0'	Comp	1	✓	✓	✓
CFS-25	S	11/18/20	0925	4.0'	Comp	1	✓	✓	✓
CWSE-25	S	11/18/20	0955	2.0'	Comp	1	✓	✓	✓
CWSW-26	S	11/18/20	1000	2.0'	Comp	1	✓	✓	✓
CWSE-26	S	11/18/20	1005	2.0'	Comp	1	✓	✓	✓
CFS-26	S	11/18/20	1010	4.0'	Comp	1	✓	✓	✓
CWSW-27	S	11/18/20	1125	2.0'	Comp	1	✓	✓	✓
CFS-27	S	11/18/20	1130	4.0'	Comp	1	✓	✓	✓
CWSE-27	S	11/18/20	1155	2.0'	Comp	1	✓	✓	✓
CWSW-28	S	11/18/20	1210	2.0'	Comp	1	✓	✓	✓

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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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Work Order No: 678408

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNH007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2	
Total Containers:		Corrected Temperature:	4.	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-28	S	11/18/20	1215	2.0'	Comp	1	✓	✓	✓	
CFS-28	S	11/18/20	1220	4.0'	Comp	1	✓	✓	✓	
CWSW-29	S	11/18/20	1330	2.0'	Comp	1	✓	✓	✓	
CWSE-29	S	11/18/20	1335	2.0'	Comp	1	✓	✓	✓	
CFS-29	S	11/18/20	1345	4.0'	Comp	1	✓	✓	✓	
CFS-30	S	11/18/20	1415	4.0'	Comp	1	✓	✓	✓	
CWSW-30	S	11/18/20	1450	2.0'	Comp	1	✓	✓	✓	
CWSE-30	S	11/18/20	1455	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 SiO_2 Na Sr Tl 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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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

Checklist reviewed by: Jessica Kramer Date: 11.20.2020

Jessica Kramer

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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

Analysis Requested													
	Lab Id:	678677-001		678677-002		678677-003		678677-004		678677-005		678677-006	
	Field Id:	CWSE-31		CWSW-31		CFS-31		CWSE-32		CFS-32		CWSE-33	
	Depth:	2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678677-007		678677-008		678677-009		678677-010		678677-011		678677-012	
	Field Id:	CFS-33		CWSW-32		CWSW-33		CWSW-34		CFS-34		CWSE-34	
	Depth:	4.0- ft		2.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678677-013		678677-014		678677-015		678677-016		678677-017		678677-018	
	Field Id:	CWSE-35		CWSW-35		CFS-35		CWSE-36		CFS-36		CWSW-37	
	Depth:	2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678677-019		678677-020		678677-021		678677-022		678677-023		678677-024	
	Field Id:	CFS-37		CWSW-36		CWSE-37		CFS-38		CWSE-39		CFS-39	
	Depth:	4.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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Jessica Kramer

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Analytical Report 678677

for

SDR Enterprise

Project Manager: John Fergerson

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)

Released to Imaging: 11/16/2021 8:06:05 AM

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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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

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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

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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:	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				
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 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	

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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:	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	

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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:	**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:	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 14:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.23.2020 14:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.23.2020 14:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.23.2020 14:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.23.2020 14:58	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.23.2020 14:58	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.23.2020 14:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.23.2020 14:58	
4-Bromofluorobenzene	460-00-4	122	%	70-130	11.23.2020 14:58	

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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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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	

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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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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				
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 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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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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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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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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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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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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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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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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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:	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 22:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.23.2020 22:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.23.2020 22:16	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.23.2020 22:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.23.2020 22:16	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.23.2020 22:16	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.23.2020 22:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.23.2020 22:16	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.23.2020 22:16	

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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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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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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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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:	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 19:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.23.2020 19:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.23.2020 19:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.23.2020 19:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.23.2020 19:17	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.23.2020 19:17	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.23.2020 19:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.23.2020 19:17	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.23.2020 19:17	

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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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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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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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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:	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 20:02	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 20:02	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 20:02	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 20:02	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 20:02	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 20:02	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 20:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	11.23.2020 20:02	
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.23.2020 20:02	

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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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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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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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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				
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 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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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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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:	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 21:09	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 21:09	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 21:09	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 21:09	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 21:09	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 21:09	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 21:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.23.2020 21:09	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.23.2020 21:09	

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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	

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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	

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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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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:	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 21:54	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 21:54	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 21:54	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 21:54	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 21:54	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 21:54	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.23.2020 21:54	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.23.2020 21:54	

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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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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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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:	**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:	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 02:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.24.2020 02:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.24.2020 02:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.24.2020 02:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.24.2020 02:25	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.24.2020 02:25	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.24.2020 02:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.24.2020 02:25	
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.24.2020 02:25	

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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:	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	**51.8**	49.9	mg/kg	11.23.2020 21:32		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	<49.8	49.8	mg/kg	11.23.2020 19:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.23.2020 19:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.23.2020 19:13	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.23.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	11.23.2020 19:13	
o-Terphenyl	84-15-1	114	%	70-135	11.23.2020 19:13	

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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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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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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	

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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

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QC Summary 678677

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143167 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715803-1-BLK — LCS Sample Id: 7715803-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143168 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715806-1-BLK — LCS Sample Id: 7715806-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143167 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678677-001 — MS Sample Id: 678677-001 S — 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 — Prep Method: E300P
Seq Number: 3143167 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678677-011 — MS Sample Id: 678677-011 S — 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 — Prep Method: E300P
Seq Number: 3143168 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678677-021 — MS Sample Id: 678677-021 S — 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 — Prep Method: E300P
Seq Number: 3143168 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678682-007 — MS Sample Id: 678682-007 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3143140 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715859-1-BLK — LCS Sample Id: 7715859-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143142 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715858-1-BLK — LCS Sample Id: 7715858-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143140 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715859-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143142 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715858-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3143140 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-001 MS Sample Id: 678677-001 S 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** Prep Method: SW8015P
Seq Number: 3143142 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-013 MS Sample Id: 678677-013 S 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** Prep Method: SW5035A
Seq Number: 3143144 Matrix: Solid Date Prep: 11.23.2020
MB Sample Id: 7715766-1-BLK LCS Sample Id: 7715766-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 678677

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3143146 Matrix: Solid Date Prep: 11.23.2020
MB Sample Id: 7715769-1-BLK LCS Sample Id: 7715769-1-BKS 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** Prep Method: SW5035A
Seq Number: 3143144 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-001 MS Sample Id: 678677-001 S 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** Prep Method: SW5035A
Seq Number: 3143146 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-021 MS Sample Id: 678677-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 678677

www.xenco.com Page 1 of 3

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-WM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers:	24	Corrected Temperature:	2.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-31	S	11/19/20	0920	2.0'	Comp	1		✓	✓	✓	
CWSW-31	S	11/19/20	0925	2.0'	Comp	1		✓	✓	✓	
CFS-31	S	11/19/20	0930	4.0'	Comp	1		✓	✓	✓	
CWSE-32	S	11/19/20	0950	2.0'	Comp	1		✓	✓	✓	
CFS-32	S	11/19/20	0955	4.0'	Comp	1		✓	✓	✓	
CWSE-33	S	11/19/20	1340	2.0'	Comp	1		✓	✓	✓	
CFS-33	S	11/19/20	1345	4.0'	Comp	1		✓	✓	✓	
CWSW-32	S	11/19/20	1400	2.0'	Comp	1		✓	✓	✓	
CWSW-33	S	11/19/20	1430	2.0'	Comp	1		✓	✓	✓	
CWSW-34	S	11/19/20	1520	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 SiO_2 Na Sr Tl 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

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.

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1		11/20/20 1556	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.000
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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: 678677

www.xenco.com Page 2 of 3

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See Page 1	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-34	S	11/19/20	1525	4.0'	Comp	1		✓	✓	✓	
CWSE-34	S	11/20/20	0905	2.0'	Comp	1		✓	✓	✓	
CWSE-35	S	11/20/20	0915	2.0'	Comp	1		✓	✓	✓	
CWSW-35	S	11/20/20	0920	2.0'	Comp	1		✓	✓	✓	
CFS-35	S	11/20/20	0925	4.0'	Comp	1		✓	✓	✓	
CWSE-36	S	11/20/20	1100	2.0'	Comp	1		✓	✓	✓	
CFS-36	S	11/20/20	1105	4.0'	Comp	1		✓	✓	✓	
CWSW-37	S	11/20/20	1120	2.0'	Comp	1		✓	✓	✓	
CFS-37	S	11/20/20	1125	4.0'	Comp	1		✓	✓	✓	
CWSW-36	S	11/20/20	1140	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 SiO_2 Na Sr Tl 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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1		11/20/20 1554	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
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Chain of Custody

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

Work Order No: 678677

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See Page 1
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	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSE-37	S	11/20/20	1200	2.0'	Comp	1	✓	✓	✓
CFS-38	S	11/20/20	1400	4.0'	Comp	1	✓	✓	✓
CWSE-39	S	11/20/20	1410	2.0'	Comp	1	✓	✓	✓
CFS-39	S	11/20/20	1415	4.0'	Comp	1	✓	✓	✓

Preservative Codes

None: NO; DI Water: H_2O
Cool: Cool; MeOH: Me
HCL: HC; HNO_3: HN
H_2S0_4: H_2; NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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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1		11/20/20 1554	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
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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**	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: 11.20.2020

Checklist reviewed by: Jessica Kramer Date: 11.23.2020

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

Analysis Requested													
	Lab Id:	679158-001		679158-002		679158-003		679158-004		679158-005		679158-006	
	Field Id:	CWSW-39		CWSW-40		CWSE-40		CFS-40		CWSE-41		CFS-41	
	Depth:	2.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679158-007		679158-008		679158-009		679158-010		679158-011		679158-012	
	Field Id:	CFS-42		CWSW-41		CWSW-42		CWSE-42		CWSE-43		CFS-43	
	Depth:	4.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679158-013		679158-014		679158-015		679158-016		679158-017		679158-018	
	Field Id:	CFS-44		CWSW-44		CFS-45		CFS-46		CWSW-46		CFS-47	
	Depth:	4.0- ft		2.0- ft		4.0- ft		4.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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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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

Analysis Requested													
	Lab Id:	679158-019		679158-020		679158-021		679158-022		679158-023		679158-024	
	Field Id:	CFS-48		CWSW-48		CFS-50		CWSW-50		CFS-49		CFS-51	
	Depth:	4.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	679158-025		679158-026		679158-027		679158-028		679158-029		679158-030	
	Field Id:	CWSE-45		CWSE-47		CWSE-49		CWSW-52		CFS-52		CFS-53	
	Depth:	2.0- ft		2.0- ft		2.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	679158-031		679158-032		679158-033		679158-034		679158-035		679158-036	
	Field Id:	CWSW-54		CFS-54		CFS-55		CWSW-56		CFS-56		CFS-57	
	Depth:	2.0- ft		4.0- ft		4.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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

Analysis Requested																	
	Lab Id:	679158-037		679158-038		679158-039		679158-040		679158-041							
	Field Id:	CWSW-58		CFS-58		CFS-59		CWSW-60		CFS-60							
	Depth:	2.0- ft		4.0- ft		4.0- ft		2.0- ft		4.0- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL							
	Sampled:	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	***Extracted:***	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							
	Analyzed:	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							
	Units/RL:	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	***Extracted:***	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							
	Analyzed:	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							
	Units/RL:	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	***Extracted:***	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							
	Analyzed:	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							
	Units/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	<50.3	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						

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 679158

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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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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:	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	

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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	

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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	

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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:	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 16:32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 16:32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 16:32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 16:32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 16:32	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 16:32	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 16:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.30.2020 16:32	
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.30.2020 16:32	

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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:	**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:	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	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.30.2020 16:55	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 16:55	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 16:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.30.2020 16:55	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.30.2020 16:55	

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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	

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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				
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 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	

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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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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: Basis:	Wet Weight
Seq Number:	3143542				

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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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	

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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:	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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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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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:	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 18:24	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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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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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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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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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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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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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:	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 20:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 20:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 20:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 20:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 20:29	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 20:29	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 20:29	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 20:29	

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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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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:	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	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 20:51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 20:51	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.30.2020 20:51	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.30.2020 20:51	

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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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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:	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 21:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 21:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 21:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 21:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 21:13	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 21:13	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 21:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.30.2020 21:13	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 21:13	

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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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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:	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	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.30.2020 21:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 21:36	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 21:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.30.2020 21:36	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.30.2020 21:36	

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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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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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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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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				
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	<0.00198	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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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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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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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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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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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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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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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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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:	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 23:50	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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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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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: 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 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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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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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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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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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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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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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				
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 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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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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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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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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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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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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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:	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	<0.00199	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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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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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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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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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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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:	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 19:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 19:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 19:21	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.30.2020 19:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 19:21	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 19:21	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 19:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.30.2020 19:21	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 19:21	

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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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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-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:	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 21:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 21:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 21:01	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 21:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 21:01	
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.30.2020 21:01	

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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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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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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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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				
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 21:46	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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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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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				
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 22:08	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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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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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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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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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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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-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:	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 23:15	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 23:15	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 23:15	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 23:15	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 23:15	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 23:15	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.30.2020 23:15	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 23:15	

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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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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	

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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:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.01.2020 11:17	% Moisture:	
Seq Number:	3143649			Basis:	Wet Weight

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	

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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

QC Summary 679158

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143550 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716119-1-BLK — LCS Sample Id: 7716119-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143551 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716121-1-BLK — LCS Sample Id: 7716121-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143660 — Matrix: Solid — Date Prep: 12.01.2020
MB Sample Id: 7716174-1-BLK — LCS Sample Id: 7716174-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143550 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-001 — MS Sample Id: 679158-001 S — 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 — Prep Method: E300P
Seq Number: 3143550 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-011 — MS Sample Id: 679158-011 S — 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 — Prep Method: E300P
Seq Number: 3143551 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-021 — MS Sample Id: 679158-021 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143551 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-031 — MS Sample Id: 679158-031 S — 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 — Prep Method: E300P
Seq Number: 3143660 — Matrix: Soil — Date Prep: 12.01.2020
Parent Sample Id: 679158-041 — MS Sample Id: 679158-041 S — 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 — Prep Method: E300P
Seq Number: 3143660 — Matrix: Soil — Date Prep: 12.01.2020
Parent Sample Id: 679266-002 — MS Sample Id: 679266-002 S — 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 — Prep Method: SW8015P
Seq Number: 3143540 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716123-1-BLK — LCS Sample Id: 7716123-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143562 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716125-1-BLK — LCS Sample Id: 7716125-1-BKS — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3143541 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716126-1-BLK — LCS Sample Id: 7716126-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143540 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716123-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143562 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716125-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143541 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716126-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143540 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-001 — MS Sample Id: 679158-001 S — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 679158

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3143562 Matrix: Soil Date Prep: 11.30.2020
Parent Sample Id: 679158-021 MS Sample Id: 679158-021 S 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** Prep Method: SW8015P
Seq Number: 3143541 Matrix: Soil Date Prep: 11.30.2020
Parent Sample Id: 679158-041 MS Sample Id: 679158-041 S 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** Prep Method: SW5035A
Seq Number: 3143542 Matrix: Solid Date Prep: 11.30.2020
MB Sample Id: 7716116-1-BLK LCS Sample Id: 7716116-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 679158

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3143544 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716118-1-BLK — LCS Sample Id: 7716118-1-BKS — 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 — Prep Method: SW5035A
Seq Number: 3143649 — Matrix: Solid — Date Prep: 12.01.2020
MB Sample Id: 7716203-1-BLK — LCS Sample Id: 7716203-1-BKS — 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 — Prep Method: SW5035A
Seq Number: 3143542 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-001 — MS Sample Id: 679158-001 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 679158

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3143544 Matrix: Soil Date Prep: 11.30.2020

Parent Sample Id: 679158-021 MS Sample Id: 679158-021 S 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** Prep Method: SW5035A

Seq Number: 3143649 Matrix: Soil Date Prep: 12.01.2020

Parent Sample Id: 679158-041 MS Sample Id: 679158-041 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	1.8
Total Containers:	41	Corrected Temperature:	1.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSW-39	S	11/23/20	1010	2.0'	Comp	1		✓	✓	✓	
CWSW-40	S	11/23/20	1345	2.0'	Comp	1		✓	✓	✓	
CWSE-40	S	11/23/20	1350	2.0'	Comp	1		✓	✓	✓	
CFS-40	S	11/23/20	1355	4.0'	Comp	1		✓	✓	✓	
CWSE-41	S	11/23/20	1410	2.0'	Comp	1		✓	✓	✓	
CFS-41	S	11/23/20	1415	4.0'	Comp	1		✓	✓	✓	
CFS-42	S	11/23/20	1425	4.0'	Comp	1		✓	✓	✓	
CWSW-41	S	11/24/20	1125	2.0'	Comp	1		✓	✓	✓	
~~CWSE-42~~ CWSW-42	S	11/24/20	~~1510~~ 1205	2.0'	Comp	1		✓	✓	✓	
CWSE-42	S	11/24/20	1510	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 SiO_2 Na Sr Tl 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

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.

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1	Cloe Cuffee 11:30:2008:34	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Samples Received Intact:	Yes No	Temp Blank:	Yes No	Wet Ice: Yes No
Cooler Custody Seals:	Yes No N/A	Thermometer ID:	See Page 1	
Sample Custody Seals:	Yes No N/A	Correction Factor:		
Total Containers:		Temperature Reading:		
		Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-43	S	11/24/20	1530	2.0'	Comp	1		✓	✓	✓	
CFS-43	S	11/24/20	1535	4.0'	Comp	1		✓	✓	✓	
JF CWSW-CFS-44	S	11/25/20	1110	4.0'	Comp	1		✓	✓	✓	
CWSW-44	S	11/25/20	1115	2.0'	Comp	1		✓	✓	✓	
CFS-45	S	11/25/20	1150	4.0'	Comp	1		✓	✓	✓	
CFS-46	S	11/25/20	1120	4.0'	Comp	1		✓	✓	✓	
CWSW-46	S	11/25/20	1125	2.0'	Comp	1		✓	✓	✓	
CFS-47	S	11/25/20	1155	4.0'	Comp	1		✓	✓	✓	
CFS-48	S	11/25/20	1130	4.0'	Comp	1		✓	✓	✓	
CWSW-48	S	11/25/20	1135	2.0'	Comp	1		✓	✓	✓	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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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1			2		
3		11/30/20 0834	4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
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Work Order No: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-50	S	11/25/20	1140	4.0'	Comp	1		✓	✓	✓	
CWSW-50	S	11/25/20	1145	20'	Comp	1		✓	✓	✓	
CFS-49	S	11/25/20	1200	4.0'	Comp	1		✓	✓	✓	
CFS-51	S	11/25/20	1205	4.0'	Comp	1		✓	✓	✓	
CWSE-45	S	11/25/20	1320	20'	Comp	1		✓	✓	✓	
CWSE-47	S	11/25/20	1325	20'	Comp	1		✓	✓	✓	
CWSE-49	S	11/25/20	1330	20'	Comp	1		✓	✓	✓	
CWSW-52	S	11/25/20	1355	20'	Comp	1		✓	✓	✓	
CFS-52	S	11/25/20	1400	4.0'	Comp	1		✓	✓	✓	
CFS-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 SiO_2 Na Sr Tl 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

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
1	Cloe Cuffle 11.30.20 0834	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
Page 103 of 106

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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: 679158

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSW-54	S	11/25/20	1410	20'	Comp	1		✓	✓	✓	
CFS-54	S	11/25/20	1415	4.0'	Comp	1		✓	✓	✓	
CFS-55	S	11/25/20	1420	4.0'	Comp	1		✓	✓	✓	
CWSW-56	S	11/25/20	1425	20'	Comp	1		✓	✓	✓	
CFS-56	S	11/25/20	1430	4.0'	Comp	1		✓	✓	✓	
CFS-57	S	11/25/20	1435	4.0'	Comp	1		✓	✓	✓	
CWSW-58	S	11/25/20	1440	20'	Comp	1		✓	✓	✓	
CFS-58	S	11/25/20	1445	4.0'	Comp	1		✓	✓	✓	
CFS-59	S	11/25/20	1450	4.0'	Comp	1		✓	✓	✓	
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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cue Cuellar	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
Page 104 of 106

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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: 679158

www.xenco.com Page 3 of 3

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See
Cooler Custody Seals:	Yes No N/A	Correction Factor:	Page
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-CO	S	11/25/20	1455	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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Cloe Cuthrell	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
Page 105 of 106

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

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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

Analysis Requested													
	Lab Id:	679462-001		679462-002		679462-003		679462-004		679462-005		679462-006	
	Field Id:	CWSE-51		CWSE-53		CWSE-55		CWSE-57		CWSE-59		CWSW-62	
	Depth:	2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679462-007		679462-008		679462-009		679462-010		679462-011		679462-012	
	Field Id:	CWSW-64		CWSW-66		CWSW-68		CFS-61		CFS-62		CFS-63	
	Depth:	2.0- ft		2.0- ft		2.0- ft		4.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679462-013		679462-014		679462-015		679462-016		679462-017		679462-018	
	Field Id:	CFS-64		CFS-65		CFS-66		CFS-67		CFS-68		CFS-69	
	Depth:	4.0- ft		4.0- ft		4.0- ft		4.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

BRL - Below Reporting Limit

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

Analysis Requested													
	Lab Id:	679462-019		679462-020		679462-021		679462-022		679462-023		679462-024	
	Field Id:	CFS-70		CWSE-61		CWSE-63		CWSE-65		CWSE-69		CWSE-67	
	Depth:	4.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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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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

Analysis Requested													
	Lab Id:	679462-025		679462-026		679462-027		679462-028		679462-029		679462-030	
	Field Id:	CWSW-70		CFS- Hill		CFS- Hill		CFS-Hill		CFS-Hill		CFS-Hill	
	Depth:	2.0- ft		6.0- ft		10.0- ft		14.0- ft		18.0- ft		22.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679462-031		679462-032		679462-033		679462-034					
	Field Id:	CWSE-33		CWSW-29		CWSNW		CWSNE					
	Depth:	2.0- ft		2.0- ft		2.0- ft		2.0- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	12.01.2020 14:00		12.01.2020 13:40		12.01.2020 15:20		12.01.2020 15:25					
BTEX by EPA 8021B	***Extracted:***	12.02.2020 13:15		12.02.2020 13:15		12.02.2020 13:15		12.02.2020 13:15					
	Analyzed:	12.02.2020 23:04		12.02.2020 23:26		12.02.2020 23:49		12.03.2020 00:11					
	Units/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	<0.00199	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	***Extracted:***	12.02.2020 18:09		12.02.2020 18:09		12.02.2020 18:09		12.02.2020 18:09					
	Analyzed:	12.03.2020 18:36		12.03.2020 18:54		12.03.2020 19:01		12.03.2020 19:19					
	Units/RL:	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	***Extracted:***	12.02.2020 16:00		12.02.2020 16:00		12.02.2020 16:00		12.02.2020 16:00					
	Analyzed:	12.02.2020 23:41		12.03.2020 00:01		12.03.2020 00:21		12.03.2020 00:41					
	Units/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	<49.8	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				

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Analytical Report 679462

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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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

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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-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:	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 16:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 16:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 16:28	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 16:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 16:28	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 16:28	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 16:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 16:28	
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.02.2020 16:28	

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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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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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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-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:	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 18:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 18:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 18:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 18:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 18:43	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 18:43	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 18:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	12.02.2020 18:43	
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.02.2020 18:43	

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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:	**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:	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 19:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 19:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 19:05	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 19:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 19:05	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 19:05	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	12.02.2020 19:05	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 19:05	

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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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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:	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 19:27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.02.2020 19:27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.02.2020 19:27	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.02.2020 19:27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.02.2020 19:27	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.02.2020 19:27	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.02.2020 19:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.02.2020 19:27	
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 19:27	

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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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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:	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 20:47	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.02.2020 20:47	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.02.2020 20:47	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.02.2020 20:47	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.02.2020 20:47	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.02.2020 20:47	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.02.2020 20:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.02.2020 20:47	
4-Bromofluorobenzene	460-00-4	116	%	70-130	12.02.2020 20:47	

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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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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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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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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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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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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				
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	<0.00200	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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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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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:	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 22:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 22:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 22:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 22:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 22:39	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 22:39	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 22:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	12.02.2020 22:39	
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.02.2020 22:39	

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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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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				
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 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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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:	**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:	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 23:24	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 23:24	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 23:24	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 23:24	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 23:24	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 23:24	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 23:24	
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 23:24	

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Solaris- Lobo to Eddy State ARV Release

Sample Id:	**CFS-70**	Matrix:	Soil	Date Received:	12.02.2020 08:43
Lab Sample Id:	679462-019	Date Collected:	11.30.2020 14:40	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	**154**	10.0	mg/kg	12.03.2020 16:26		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	12.03.2020 02:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	12.03.2020 02:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.03.2020 02:20	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	12.03.2020 02:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	12.03.2020 02:20	
o-Terphenyl	84-15-1	115	%	70-135	12.03.2020 02:20	

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Solaris- Lobo to Eddy State ARV Release

Sample Id:	**CFS-70**	Matrix:	Soil	Date Received:	12.02.2020 08:43
Lab Sample Id:	679462-019	Date Collected:	11.30.2020 14:40	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: 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 23:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 23:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 23:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.02.2020 23:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 23:47	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 23:47	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 23:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	12.02.2020 23:47	
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 23:47	

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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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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:	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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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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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:	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 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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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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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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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	

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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:	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 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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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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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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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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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:	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 19:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 19:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 19:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 19:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 19:54	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 19:54	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 19:54	
4-Bromofluorobenzene	460-00-4	97	%	70-130	12.02.2020 19:54	

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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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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:	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	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 20:16	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 20:16	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 20:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	12.02.2020 20:16	
1,4-Difluorobenzene	540-36-3	102	%	70-130	12.02.2020 20:16	

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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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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:	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	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.02.2020 20:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	12.02.2020 20:38	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.02.2020 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 20:38	
4-Bromofluorobenzene	460-00-4	99	%	70-130	12.02.2020 20:38	

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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				
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 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	

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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:	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 21:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 21:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 21:23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 21:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 21:23	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 21:23	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	12.02.2020 21:23	
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.02.2020 21:23	

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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:	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				
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 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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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	

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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:	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				
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	12.03.2020 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	

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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

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QC Summary 679462

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143892 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716286-1-BLK — LCS Sample Id: 7716286-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143893 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716287-1-BLK — LCS Sample Id: 7716287-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143892 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-001 — MS Sample Id: 679462-001 S — 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 — Prep Method: E300P
Seq Number: 3143892 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-011 — MS Sample Id: 679462-011 S — 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 — Prep Method: E300P
Seq Number: 3143893 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-021 — MS Sample Id: 679462-021 S — 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 — Prep Method: E300P
Seq Number: 3143893 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-031 — MS Sample Id: 679462-031 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 679462

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3143798 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716293-1-BLK — LCS Sample Id: 7716293-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143799 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716294-1-BLK — LCS Sample Id: 7716294-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143798 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716293-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143799 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716294-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 679462

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3143798 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-001 MS Sample Id: 679462-001 S 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** Prep Method: SW8015P
Seq Number: 3143799 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-021 MS Sample Id: 679462-021 S 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** Prep Method: SW5035A
Seq Number: 3143771 Matrix: Solid Date Prep: 12.02.2020
MB Sample Id: 7716289-1-BLK LCS Sample Id: 7716289-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 679462

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3143773 Matrix: Solid Date Prep: 12.02.2020
MB Sample Id: 7716291-1-BLK LCS Sample Id: 7716291-1-BKS 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** Prep Method: SW5035A
Seq Number: 3143771 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-001 MS Sample Id: 679462-001 S 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** Prep Method: SW5035A
Seq Number: 3143773 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-021 MS Sample Id: 679462-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Chain of Custody

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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: 679462

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2	
Total Containers:	34	Corrected Temperature:	3.0	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-51	S	11/30/20	0950	2.0'	Comp	1		✓	✓	✓	
CWSE-53	S	11/30/20	0955	2.0'	Comp	1		✓	✓	✓	
CWSE-55	S	11/30/20	1000	2.0'	Comp	1		✓	✓	✓	
CWSE-57	S	11/30/20	1005	2.0'	Comp	1		✓	✓	✓	
CWSE-59	S	11/30/20	1010	2.0'	Comp	1		✓	✓	✓	
CWSW-62	S	11/30/20	1300	2.0	Comp	1		✓	✓	✓	
CWSW-64	S	11/30/20	1305	2.0'	Comp	1		✓	✓	✓	
CWSW-66	S	11/30/20	1310	2.0'	Comp	1		✓	✓	✓	
CWSW-68	S	11/30/20	1320	2.0'	Comp	1		✓	✓	✓	
CFS-61	S	11/30/20	1325	4.0'	Comp	1		✓	✓	✓	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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

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
1	Cue Cutlon	12/1/20 0843	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.001
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Released to Imaging: 11/16/2021 8:06:05 AM

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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: 679462

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No 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	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-62	S	11/30/20	1330	4.0'	Comp	1		✓	✓	✓	
CFS-63	S	11/30/20	1335	4.0'	Comp	1		✓	✓	✓	
CFS-64	S	11/30/20	1340	4.0'	Comp	1		✓	✓	✓	
CFS-65	S	11/30/20	1345	4.0'	Comp	1		✓	✓	✓	
CFS-66	S	11/30/20	1350	4.0'	Comp	1		✓	✓	✓	
CFS-67	S	11/30/20	1355	4.0'	Comp	1		✓	✓	✓	
CFS-68	S	11/30/20	1430	4.0'	Comp	1		✓	✓	✓	
CFS-69	S	11/30/20	1435	4.0'	Comp	1		✓	✓	✓	
CFS-70	S	11/30/20	1440	4.0'	Comp	1		✓	✓	✓	
CWSE-61	S	11/30/20	1445	2.0'	Comp	1		✓	✓	✓	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; 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 SiO_2 Na Sr Tl 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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1	Cruz Cuttera	12/2/20 0843	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: 6794467

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-63	S	11/30/20	1450	2.0'	Comp	1		✓	✓	✓	
CWSE-65	S	11/30/20	1455	2.0'	Comp	1		✓	✓	✓	
CWSE-69	S	11/30/20	1500	2.0'	Comp	1		✓	✓	✓	
CWSE-67	S	11/30/20	1505	2.0'	Comp	1		✓	✓	✓	
CWSW-70	S	12/1/20	0925	2.0'	Comp	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1405	6.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1410	10.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1415	14.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1420	18.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1425	22.0	Grab	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 SiO_2 Na Sr Tl 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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1	Cloe Cuffaro	12/2/20 0543	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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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: 679462

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-33	S	12/1/20	1400	2.0'	Comp	1		✓	✓	✓	
CWSW-29	S	12/1/20	1340	2.0'	Comp	1		✓	✓	✓	
CWSNW	S	12/1/20	1520	2.0'	Comp	1		✓	✓	✓	
CWSNE	S	12/1/20	1525	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 SiO_2 Na Sr Tl 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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1	Cloe Cuffaro	12/2/20 0843	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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 Fergerson

JKramer

Authorized for release by:
5/10/2021 10:43:08 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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.

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Definitions/Glossary

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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.
¤	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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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.

Client Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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
OII 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*

Client Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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
OII 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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release SDG: 1000ENV

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
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 %Recovery*	*LCS Qualifier*	*Limits*
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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 %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release SDG: 1000ENV

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

Lab Sample ID: MB 880-2794/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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
OII 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: CWSE-38**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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		

QC Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release SDG: 1000ENV

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

Lab Sample ID: 890-615-1 MS **Client Sample ID: CWSE-38**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: CWSE-38**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2743

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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2743

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2743

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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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

QC Association Summary

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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

Lab Chronicle

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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

Method Summary

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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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eurofins 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: _____

www.xenco.com Page 1 of 1

Project Manager:	John Fergerson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream
Address:	6222 S Bronco Drive	Address:	
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	
Phone:	(432) 638-7333	Email:	jfergerson@sdrenterprises.com rob.kirk@solarismidstream.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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T NM-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	9.8
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	9.6
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-38	S	5/4/21	1150	2.0'	Comp	1				✓	
CWSW-38	S	5/4/21	1155	2.0'	Comp	1				✓	
CWSW-4C	S	5/4/21	1200	2.0'	Comp	1				✓	

ANALYSIS REQUEST

890-615 Chain of Custody

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 SiO_2 Na Sr Tl 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

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
1	Gabby Gardner	5/14/21 13:14	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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5/10/2021
Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM

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Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-199 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-615-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 5/10/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Solaris-Lobo to Eddy State ARV Release	Project #: 89000054			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CWSE-38 (890-615-1)	5/4/21	11 50 Mountain		Solid			X	1	
CWSW-38 (890-615-2)	5/4/21	11 55 Mountain		Solid			X	1	
CWSW-46 (890-615-3)	5/4/21	12 00 Mountain		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Gabby Ordaz	5/4/21			5-5-21 1:00PM	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 11/01/2020

Received by OCD: 7/30/2021 11:23:10 AM

Released to Imaging: 11/16/2021 8:06:05 AM

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Bottle Order Information

Bottle Order:
Bottle Order #:
Request From Client. 5/4/2021
Date Order Posted:
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 #:

Sets	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:

Preservative | Comment

Relinquished By	Company	Date	Time	Received By	Company	Seal #:
		5/4/21	11:11			Seal #:
						Seal #:
Relinquished By	Company	Date	Time	Received By	Company	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.

Received by OCD: 7/30/2021 11:23:10 AM

Released to Imaging: 11/16/2021 8:06:05 AM

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").		

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	

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005137772
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: Rob Kirk Title: VP & GM, HSE & Compliance

Signature: RP Kirk 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

State of New Mexico
Oil Conservation Division

Incident ID	NRM2005137772
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?	> 100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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:

SDR ENTERPRISES, LLC

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

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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.

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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

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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

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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 1gallon, 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

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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

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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

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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

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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

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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

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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

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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

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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,

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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

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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

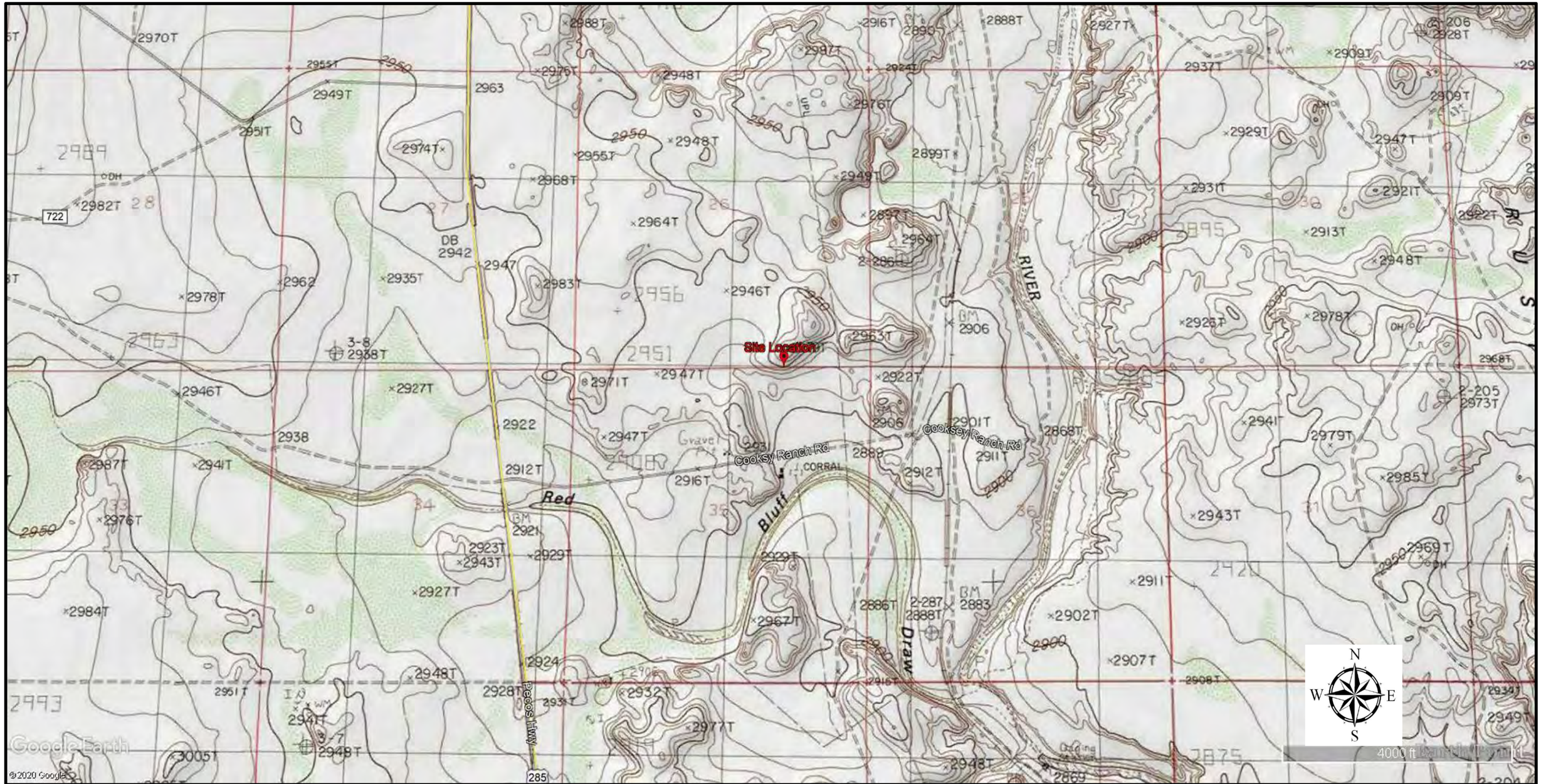
cc: Rob Kirk, Solaris
e-Permitting Portal, NMOCD

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

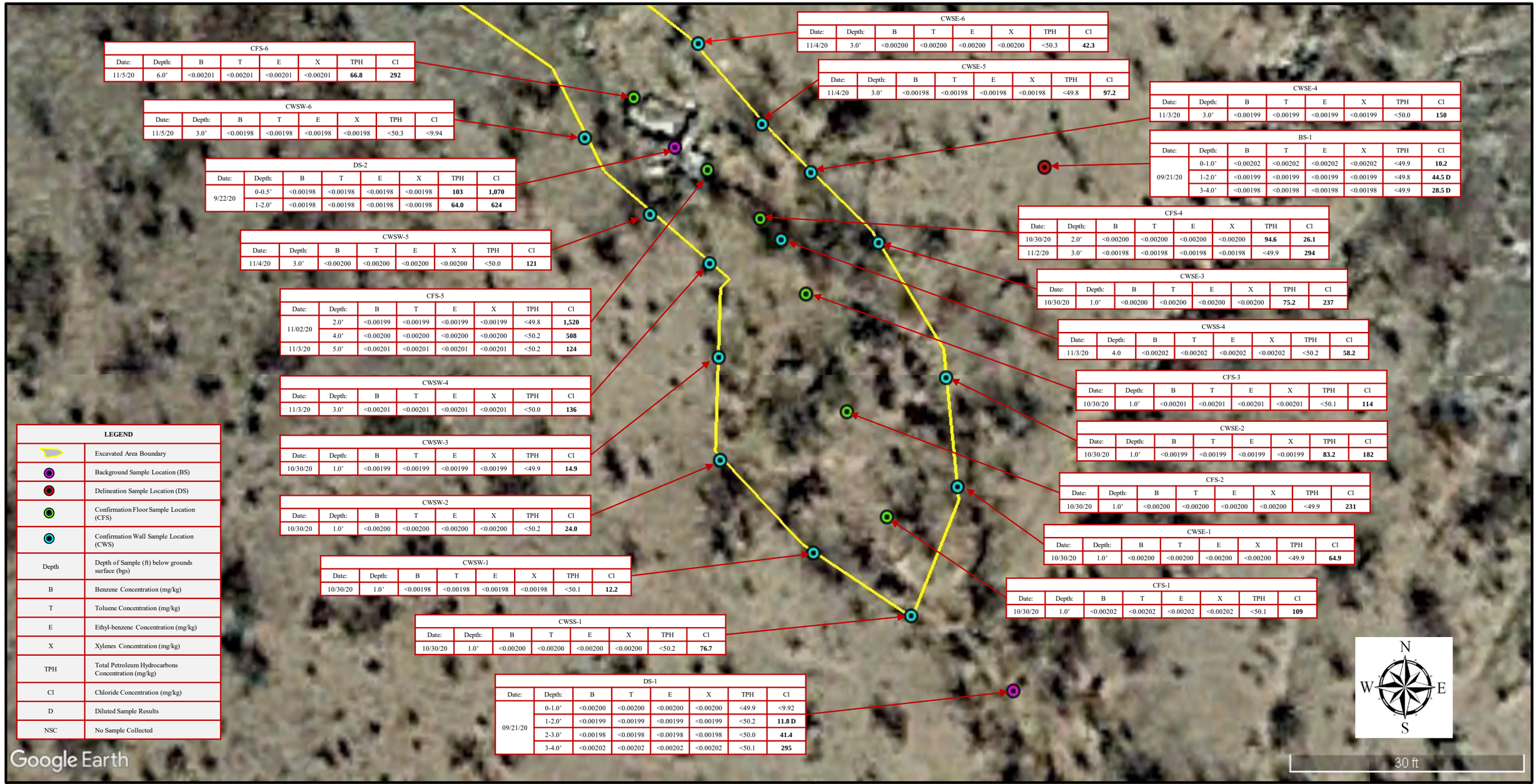
(Site Location, Release Area, Excavated Area, Sample Location and Analytical Results)



Project No.: 1000ENV	**SDR ENTERPRISES, LLC**	**Figure 1: Site Location Topographic Map**
Scale: 1:15,897	**3901 S Eunice Hwy, Hobbs, NM 88240**	**Lobo to Eddy State ARV Release**
Source: Google Earth	**PH. (575) 393-8420**	**Units A and B, Section 35, Township 25 South, Range 28 East**
Date: January 4, 2021		**Lat/Long: 32.09352º North, 104.05411º West**
		Eddy County, New Mexico
		Solaris Water, LLC

Project No.: 1000ENV	**SDR ENTERPRISES, LLC**	**Figure 2: Release Area Aerial Image Map**
Scale: 1:1,128	**3901 S Eunice Hwy, Hobbs, NM 88240**	**Lobo to Eddy State ARV Release**
Source: Google Earth	**PH. (575) 393-8420**	**Units A and B, Section 35, Township 25 South, Range 28 East**
Date: January 4, 2021		**Lat/Long: 32. 64601° North, 104.07430° West**
		Eddy County, New Mexico
		Solaris Water, LLC

Project No.: 1000ENV	SDR ENTERPRISES, LLC	**Figure 3: Excavated Area Aerial Image Map**
Scale: 1:1,089		
Source: Google Earth	**3901 S Eunice Hwy, Hobbs, NM 88240**	**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**
Date: January 4, 2021	**PH. (575) 393-8420**	



Project No.: 1000ENV	**Figure 4a: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:117	**Lobo to Eddy State ARV Release** **Units A and B, Section 35, Township 25 South, Range 28 East** **Lat/Long: 32. 64601º North, 104.07430º West** **Eddy County, New Mexico** **Solaris Water, LLC**
Source: Google Earth	
Date: January 12, 2021	

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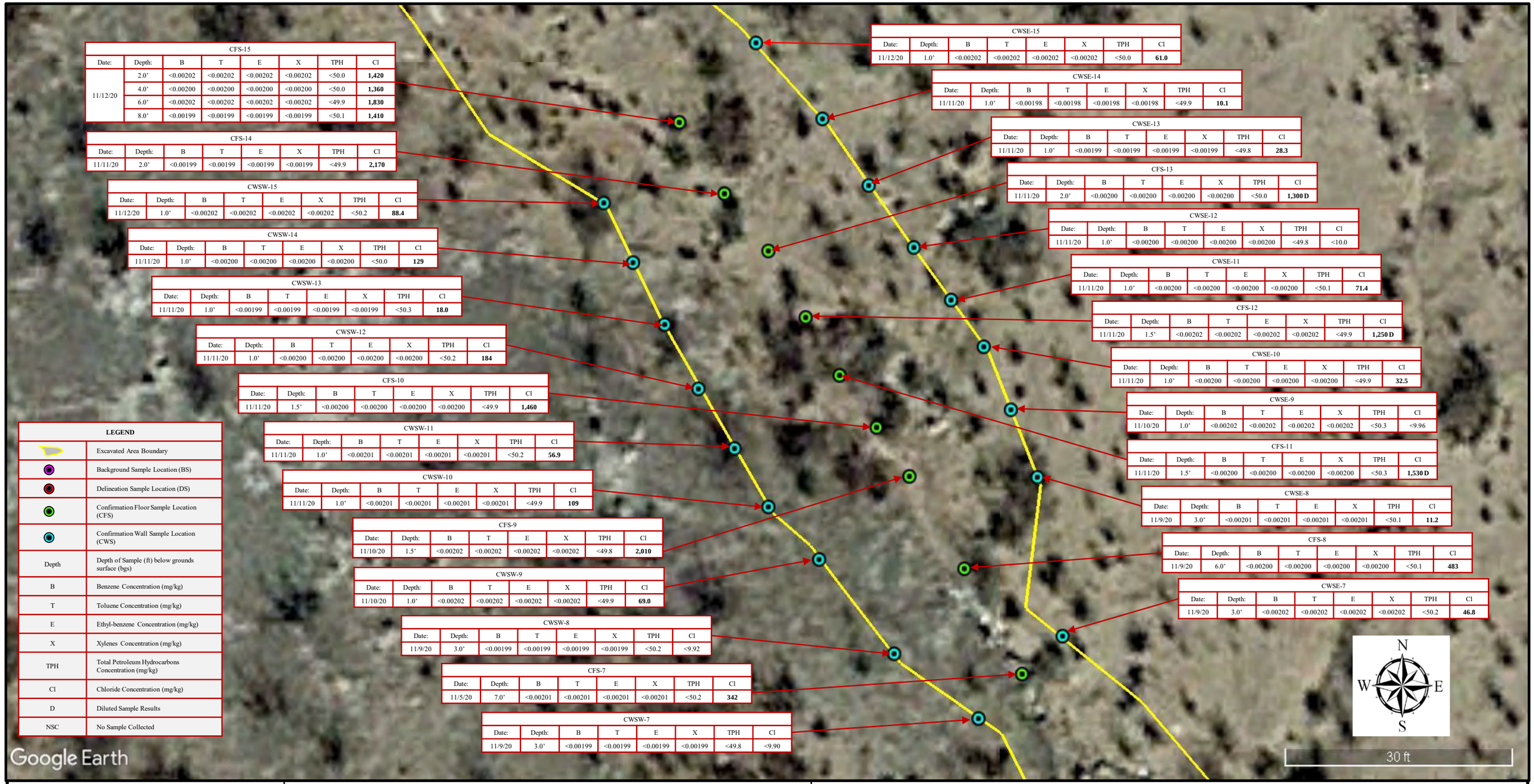
3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420



Project No.: 1000ENV	**Figure 4b: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:120	**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 12, 2021	

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Project No.: 1000ENV	**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	

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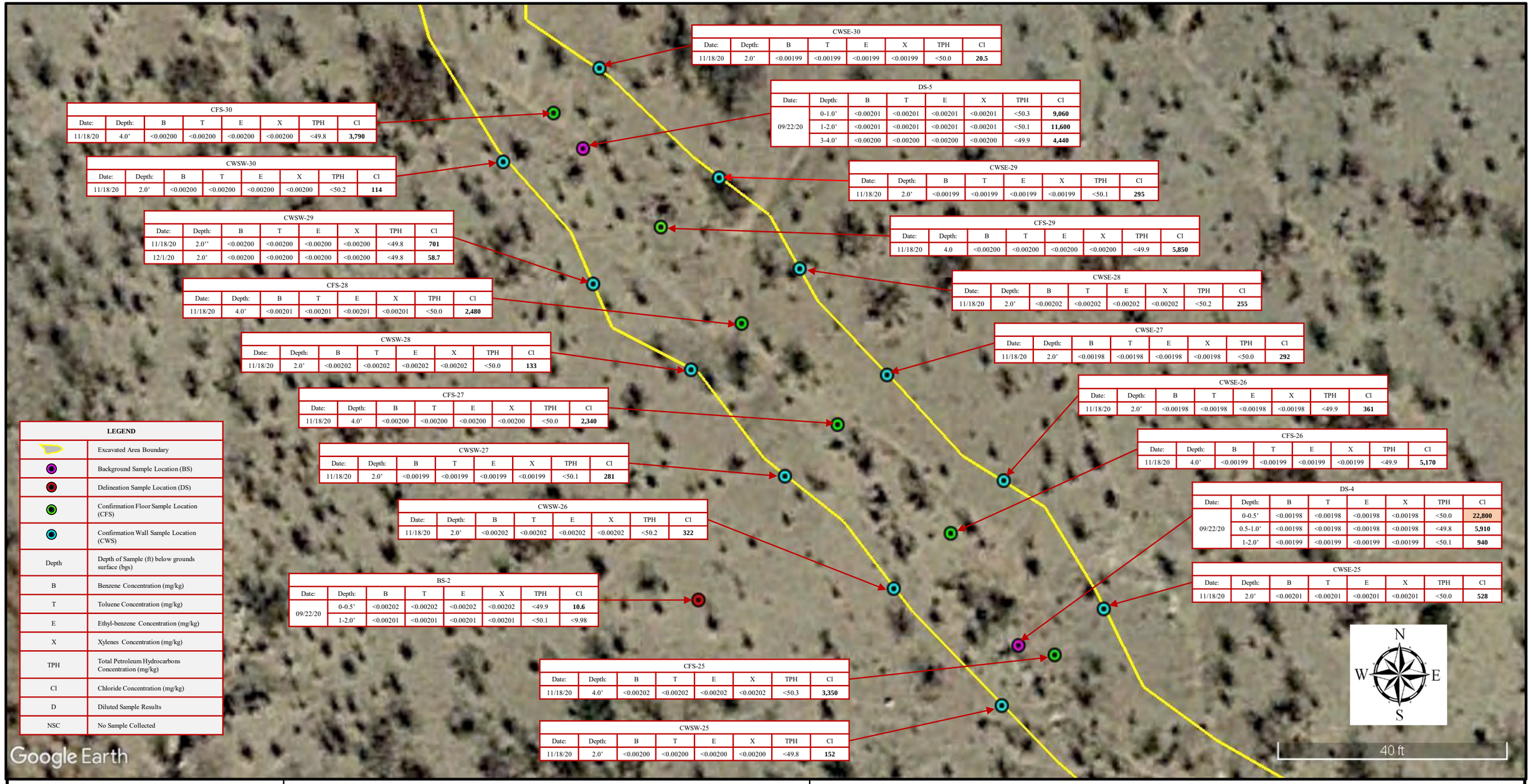
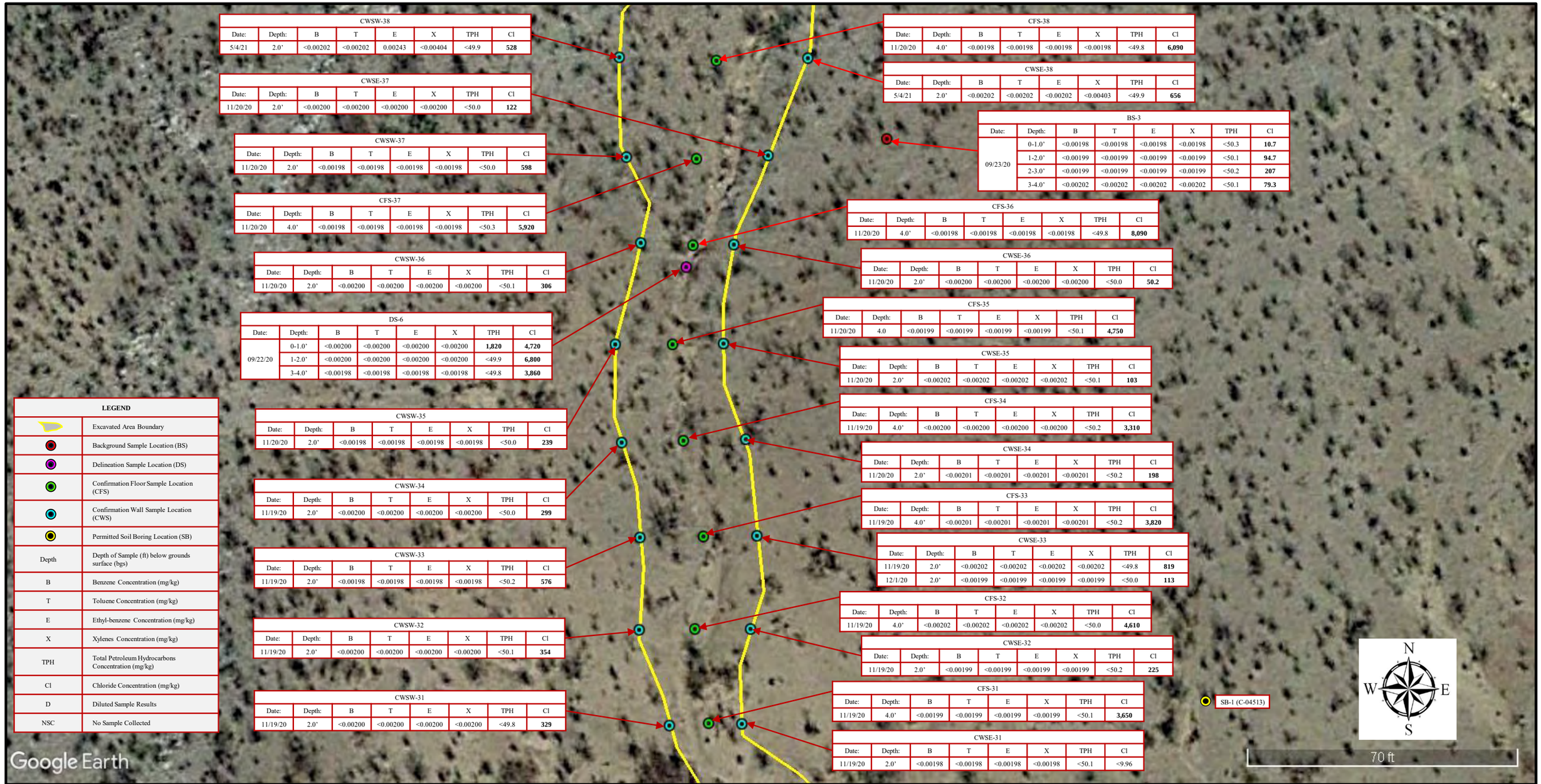
PH. (575) 393-8420



Project No.: 1000ENV	**SDR ENTERPRISES, LLC** **3901 S Eunice Hwy, Hobbs, NM 88240** **PH. (575) 393-8420**
Scale: 1:159	**Figure 4d: Excavation, Sample Locations, and Analytical Results Map**
Source: Google Earth	**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**
Date: January 12, 2021	



Project No.: 1000ENV	**Figure 4e: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:237	**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 13, 2021	

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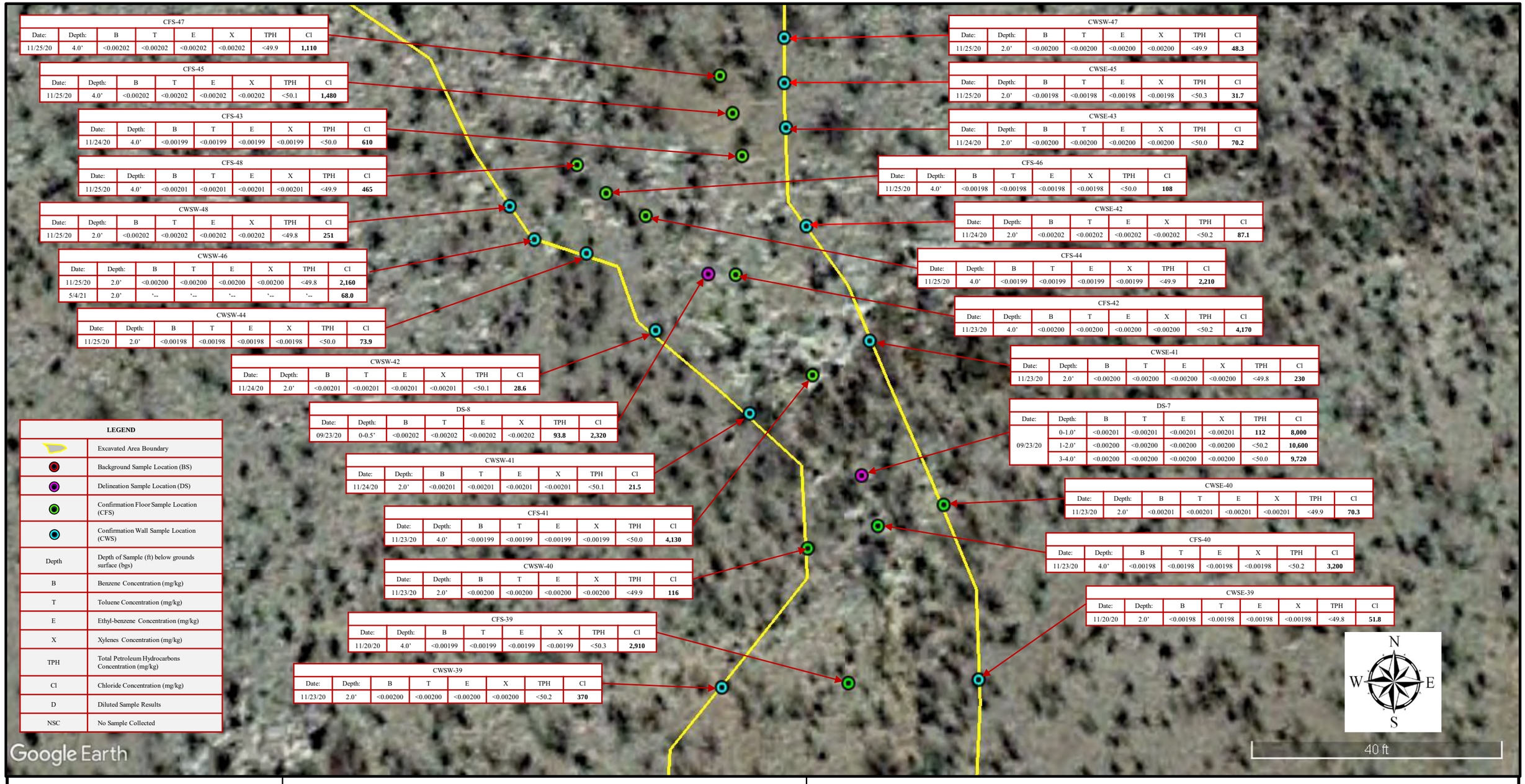
PH. (575) 393-8420



Project No.: 1000ENV	**Figure 4f: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:147	**Lobo to Eddy State ARV Release** **Units A and B, Section 35, Township 25 South, Range 28 East** **Lat/Long: 32. 64601º North, 104.07430º West** **Eddy County, New Mexico** **Solaris Water, LLC**
Source: Google Earth	
Date: January 14, 2021	

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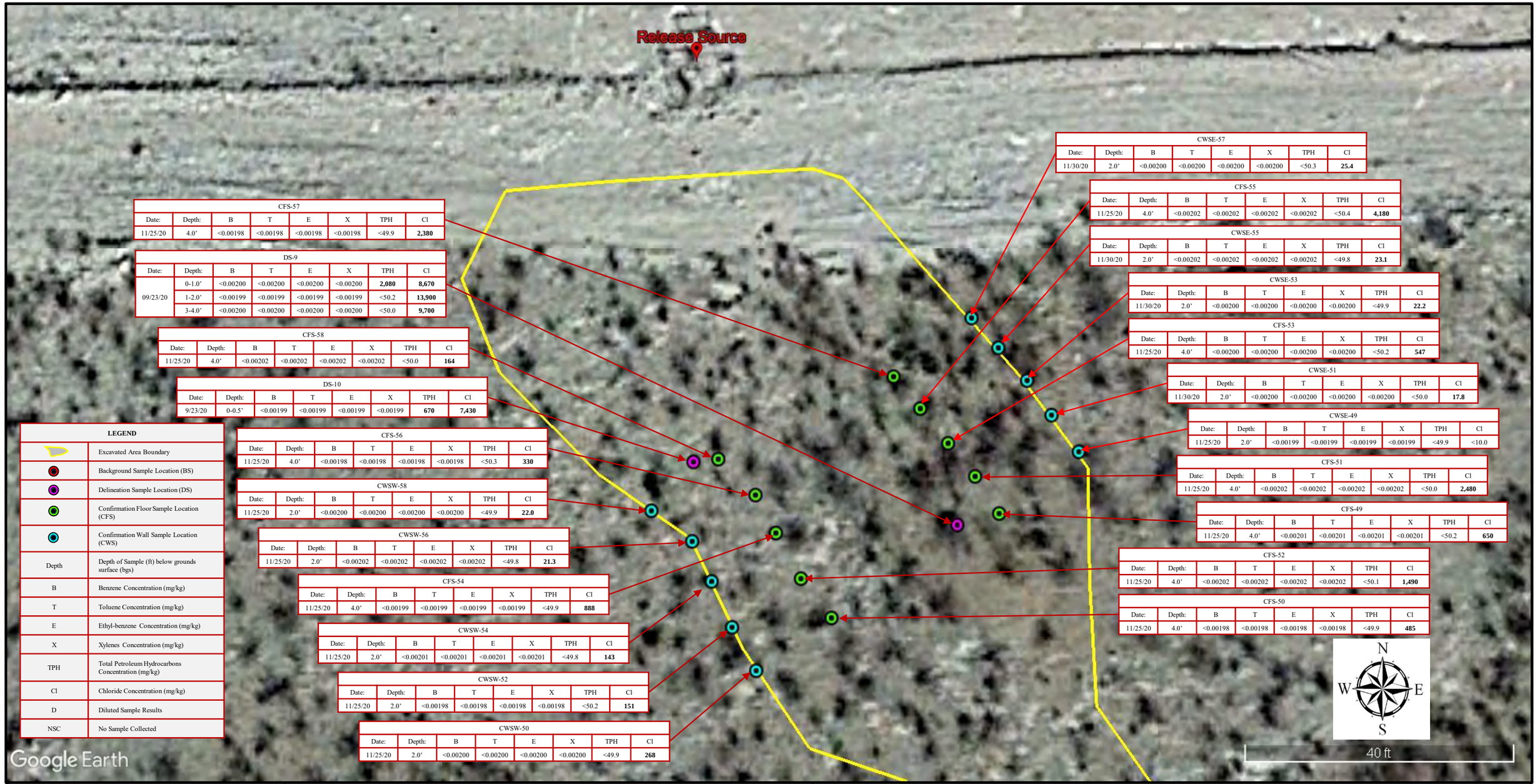
PH. (575) 393-8420



Project No.: 1000ENV	**Figure 4g: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:135	**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 13, 2021	

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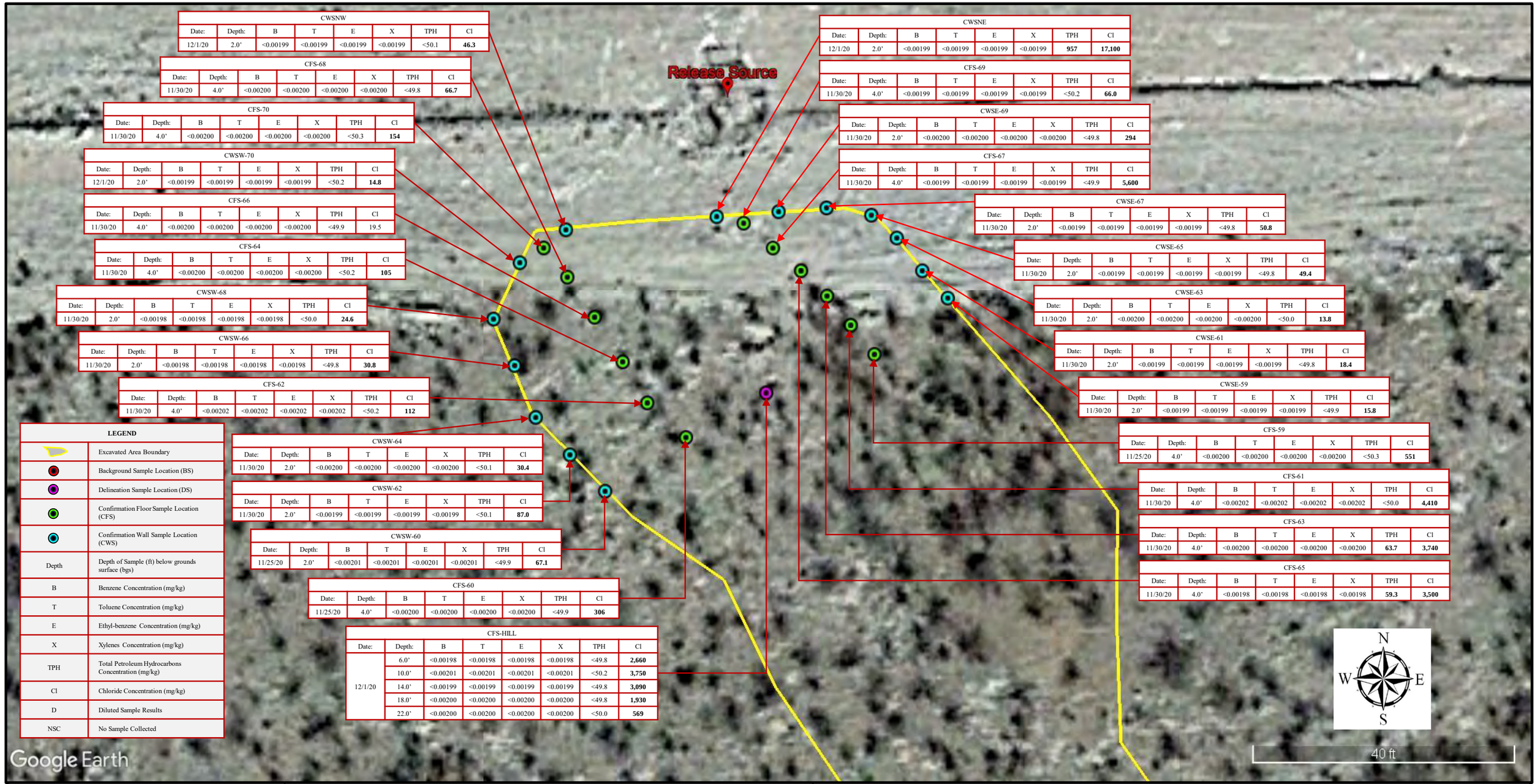
3901 S Eunice Hwy, Hobbs, NM 88240

PH. (575) 393-8420



Project No.: 1000ENV	**Figure 4h: Excavation, Sample Locations, and Analytical Results Map**
Scale: 1:135	**Lobo to Eddy State ARV Release** **Units A and B, Section 35 Township 25 South, Range 28 East** **Lat/Long: 32. 64601º North, 104.07430º West** **Eddy County, New Mexico** **Solaris Water, LLC**
Source: Google Earth	
Date: January 14, 2021	

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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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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
								GRO[4] (C6-C10)	DRO[5] (C10-C28	ORO[6] (C28-C35)	Total (GRO/DRO/ORO)	
			(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(mg/kg[7])	(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]
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, ethy-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 excedes 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

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

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

Incident ID	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)

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

Cause of Release

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? ☑ Yes ☐ 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 approximatley 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-141was 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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

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

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: Rob Kirk Title: General Manager, HSE & Compliance

Signature: RC Kirk Date: 02/19/2020

email: rob.kirk@solarismidstream.com Telephone: 432-203-9020

OCD Only

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: _____ 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

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

SDR ENTERPRISES, LLC

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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	<120 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	Grab	--	<120 mg/L		Clayey Silt, dull orange, gysum 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		
							5'	TD @ 4 Feet BGS
							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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Comp	2.9 ppm	340 mg/L		Topsoil: Clayey Silt, dull orange, gysum 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum 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 cemeted 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 cemeted 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1.5'	Comp	42.3 ppm	3,812 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
								TD @ 1.5 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG

SDR ENTERPRISES, LLC

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. Fergerson
COMPLETION DATE:	11/12/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite and grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum 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, gysum in matrix, loosely consolidated, dry, no odor
	ML	2'	3'	NS	--	--		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum 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		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum in matrix, loosely consolidated, dry, no odor
		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. Fergerson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

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

LOCATION AND EXCAVATION LITHOLOGIC LOG

SDR ENTERPRISES, LLC

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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum 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, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	NS	--	--		Silty Clay, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML		0.5'	Grab	--	19,416 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		0' 0.5'	1.0'	Grab	-	6,160 mg/L		
	ML	1.0'	2.0'	Grab	--	980 mg/L		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemeted vf grain sand, dry, sl hydrocarbon odor Clayey Silt, dull orange-pale orange, interbedded with micro-crystalline quartzite, gysum in matrix, loosely consolidated, dry, no odor
								TD @ 2 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

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. Fergerson
COMPLETION DATE:	9/22/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	9,968 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	Grab	--	9,180 mg/L		Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	Grab	--	4,140 mg/L		Silty Clay, dull orange, gysum 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
								TD @ 4 Feet BGS
							5'	
							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. Fergerson
COMPLETION DATE:	11/19/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Composite floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	NS	--	--		Clayey Silt, dull orange, gysum 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 FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	9,968 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	9,180 mg/L		Clayey Silt, dull orange, gysum 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
								TD @ 4 Feet BGS
							5'	
							10'	
							15'	
							20'	
							25'	

LOCATION AND EXCAVATION LITHOLOGIC LOG

SDR ENTERPRISES, LLC

SAMPLE NAME:	DS-7	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:	9/23/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	9/23/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	7,216 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	9,968 mg/L		Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	Grab	--	9,180 mg/L		Silty Clay, light brownish-gray, loosely consolidated, interbedded w/micro-crystalline quartzite, dry, no odor
		3'	4'	Grab	--	8,464 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:	DS-9	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:	9/23/2020	FIELD REP.:	J. Fergerson
COMPLETION DATE:	9/23/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	Grab	--	8,464 mg/L		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	Grab	--	10,848 mg/L		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemeted vf grain sand, dry, sl hydrocarbon odor
		2'	3'	Grab	--	9,180 mg/L		Quartzite, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		3'	4'	Grab	--	6,160 mg/L		Quartzite, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon 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. Fergerson
COMPLETION DATE:	12/1/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab floor samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, sl hydrocarbon odor
		1'	2'	NS	--	--		Quartzite, light gray, micro-crystalline, hard, fractured, interbedded w/moderately cemeted 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'	Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
		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		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
							15'	
		17'	18'	Grab	2.6 ppm	2,144 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
							20'	
		21'	22'	Grab	1.5 ppm	720 mg/L		Breccia, light brownish gray, micro-crystalline, hard, fractured, dry, sl hydrocarbon odor
								TD @ 22 Feet BGS
							25'	

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. Fergerson
COMPLETION DATE:	5/4/2020	PROJECT NUMBER:	ENV1000
COMMENTS:	Grab cutting samples		

LITH	USCS	SAMPLE & SCREENING INFORMATION FROM	TO	TYPE	PID	Chloride	DEPTH 0'	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOL/UNCONSOL, DISTINCT FEATURES
	ML	0'	1'	NS	--	--		Topsoil: Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
		1'	2'	NS	--	--		Clayey Silt, dull orange, gysum in matrix, loosely consolidated, dry, no odor
	CL	2'	3'	NS	--	--		Silty Clay, dull orange, loosely consolidated, dry, no odor
		3'	4'	NS	--	--		*Lithologic descriptions from 0' to 4' below ground surface was extrapolated from the lithologic descriptions for CFS-32*
							5'	*No lithologic descriptions available from 4' to 14' below ground surface due to drilling operations being initiated prior to collecting cutting samples*
							10'	
	CL	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 FROM	SAMPLE TO	SAMPLE TYPE	SAMPLE %	SAMPLE PID	DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES
								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 FROM	SAMPLE TO	SAMPLE TYPE	SAMPLE %	SAMPLE PID	DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES
								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 FROM	SAMPLE TO	SAMPLE TYPE	SAMPLE %	SAMPLE PID	DEPTH	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, CONSOLIDATE/UNCONSOLIDATE, DISTINCT FEATURES
								Silty Clay, dull orange, moderately-tightly compacted, dry, no odor
		89'	90'	Cuttings	--	--	90'	Silty Clay, dull brown, moderately compacted, dry, no odor
		94'	95'	Cuttings	--	--	95'	Silty Clay, dull orange, moderately-tightly compacted, dry, no odor
	CL							
		99'	100'	Cuttings	--	--	100'	Silty Clay, dull orange, moderately-tightly compacted, dry, no odor
		104'	105'	Cuttings	--	--	105'	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

Solaris | Lobo to Eddy State ARV Release | 1000ENV | 1

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

Solaris | Lobo to Eddy State ARV Release | 1000ENV | 2

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)

eurofins | Environment Testing Xenco

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

Analysis Requested		673381-001		673381-002		673381-003		673381-004		673381-005		673381-006	
	Field Id:	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')	
	Depth:	0-1 ft		1-2 ft		2-3 ft		3-4 ft		0-1 ft		1-2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	673381-007		673381-008		673381-009		673381-010		673381-011		673381-012	
	Field Id:	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')	
	Depth:	3-4 ft		0-0.5 ft		1-2 ft		0-0.5 ft		0.5-1 ft		1-2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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 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

Analysis Requested		673381-013		673381-014		673381-015		673381-016		673381-017		673381-018	
	Field Id:	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')	
	Depth:	0-0.5 ft		0.5-1 ft		1-2 ft		0-0.5 ft		1-2 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	673381-019		673381-020		673381-021		673381-022		673381-023		673381-024	
	Field Id:	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')	
	Depth:	1-2 ft		3-4 ft		0-1 ft		0-2 ft		3-4 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	673381-025		673381-026		673381-027		673381-028		673381-029		673381-030	
	Field Id:	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')	
	Depth:	1-2 ft		2-3 ft		3-4 ft		0-1 ft		0-2 ft		3-4 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested		673381-031		673381-032		673381-033		673381-034		673381-035	
	Field Id:	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')	
	Depth:	0-0.5 ft		0-1 ft		1-2 ft		3-4 ft		0-0.5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/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	<0.00199	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	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	*Extracted:*	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	
	Analyzed:	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	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	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

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Analytical Report 673381

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

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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

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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

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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	

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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	

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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	

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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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Certificate of Analytical Results 673381

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:	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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Certificate of Analytical Results 673381

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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Certificate of Analytical Results 673381

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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Certificate of Analytical Results 673381

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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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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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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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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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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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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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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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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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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:	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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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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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Solaris- Lobo to Eddy State ARV Release

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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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:	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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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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	

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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

QC Summary 673381

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3137990 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711983-1-BLK — LCS Sample Id: 7711983-1-BKS — 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 — Prep Method: E300P
Seq Number: 3137991 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711985-1-BLK — LCS Sample Id: 7711985-1-BKS — 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 — Prep Method: E300P
Seq Number: 3137990 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-001 — MS Sample Id: 673381-001 S — 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 — Prep Method: E300P
Seq Number: 3137990 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-011 — MS Sample Id: 673381-011 S — 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 — Prep Method: E300P
Seq Number: 3137991 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-021 — MS Sample Id: 673381-021 S — 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 — Prep Method: E300P
Seq Number: 3137991 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673381-031 — MS Sample Id: 673381-031 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3137927 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711925-1-BLK — LCS Sample Id: 7711925-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3137906 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711922-1-BLK — LCS Sample Id: 7711922-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3138023 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712008-1-BLK — LCS Sample Id: 7712008-1-BKS — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 673381

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3138100 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712024-1-BLK — LCS Sample Id: 7712024-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3137927 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711925-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3137906 — Matrix: Solid — Date Prep: 09.23.2020
MB Sample Id: 7711922-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3138023 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712008-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3138100 — Matrix: Solid — Date Prep: 09.24.2020
MB Sample Id: 7712024-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 673381

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3137927 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673298-002 — MS Sample Id: 673298-002 S — 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 — Prep Method: SW8015P
Seq Number: 3137906 — Matrix: Soil — Date Prep: 09.23.2020
Parent Sample Id: 673298-001 — MS Sample Id: 673298-001 S — 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 — Prep Method: SW8015P
Seq Number: 3138023 — Matrix: Soil — Date Prep: 09.24.2020
Parent Sample Id: 673419-001 — MS Sample Id: 673419-001 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 673381

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3138100 Matrix: Soil Date Prep: 09.24.2020
Parent Sample Id: 673381-023 MS Sample Id: 673381-023 S 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** Prep Method: SW5035A
Seq Number: 3137987 Matrix: Solid Date Prep: 09.23.2020
MB Sample Id: 7711980-1-BLK LCS Sample Id: 7711980-1-BKS 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** Prep Method: SW5035A
Seq Number: 3138112 Matrix: Solid Date Prep: 09.24.2020
MB Sample Id: 7711981-1-BLK LCS Sample Id: 7711981-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 673381

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3137987 Matrix: Soil Date Prep: 09.23.2020
Parent Sample Id: 673381-001 MS Sample Id: 673381-001 S 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** Prep Method: SW5035A
Seq Number: 3138112 Matrix: Soil Date Prep: 09.24.2020
Parent Sample Id: 673381-021 MS Sample Id: 673381-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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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Project Manager:	John Fergerson	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

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	Turn Around	
Project Number:	1000ENV	☑ 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)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	5.0/4.8
Total Containers:		Corrected Temperature:	4.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
DS-1 (0-1.0')	S	9/21/20	1220	0-1.0'	G	1		✓	✓	✓	
DS-1 (1-2.0')	S	9/21/20	1225	1-2.0'	G	1		✓	✓	✓	
DS-1 (2-3.0')	S	9/21/20	1230	2-3.0'	G	1		✓	✓	✓	
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 SiO_2 Na Sr Tl 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

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
1	Cleo Cofer 9:23:20 1437	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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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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Project Manager:	John Fergerson	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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2S0_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
DS-3 (0.5-1.0')	S	9/22/20	1100	0.5-1.0'	G	1		✓	✓	✓	
DS-3 (1-2.0')	S	9/22/20	1105	1-2.0'	G	1		✓	✓	✓	
DS-4 ~~(0.5-1.0')~~ (0-0.5')	S	9/22/20	1150	0-0.5'	G	1		✓	✓	✓	
DS-4 (0.5-1.0')	S	9/22/20	1155	0.5-1.0'	G	1		✓	✓	✓	
DS-4 (1-2.0')	S	9/22/20	1200	1-2.0'	G	1		✓	✓	✓	
BS-2 (0-0.5')	S	9/22/20	1330	0-0.5'	G	1		✓	✓	✓	
BS-2 (1-2.0')	S	9/22/20	1340	1-2.0'	G	1		✓	✓	✓	
DS-5 (0-1.0')	S	9/22/20	1430	0-1.0'	G	1		✓	✓	✓	
DS-5 (1-2.0')	S	9/22/20	1435	1-2.0'	G	1		✓	✓	✓	
DS-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 SiO_2 Na Sr Tl 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

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
1	Cleve Cloudon	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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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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Project Manager:	John Fergerson	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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1	
Cooler Custody Seals:	Yes No 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	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
DS-6 (0-1.0')	S	9/22/20	1600	0-1.0'	G	1		✓	✓	✓	
DS-6 (1-2.0')	S	9/22/20	1605	1-2.0'	G	1		✓	✓	✓	
DS-6 (3-4.0')	S	9/22/20	1620	3-4.0'	G	1		✓	✓	✓	
BS-3 (0-1.0')	S	9/23/20	0910	0-1.0'	G	1		✓	✓	✓	
BS-3 (1-2.0')	S	9/23/20	0915	1-2.0'	G	1		✓	✓	✓	
BS-3 (2-3.0')	S	9/23/20	0920	2-3.0'	G	1		✓	✓	✓	
BS-3 (3-4.0')	S	9/23/20	0930	3-4.0'	G	1		✓	✓	✓	
DS-7 (0-1.0')	S	9/23/20	1005	0-1.0'	G	1		✓	✓	✓	
DS-7 (1-2.0')	S	9/23/20	~~1010~~ 1015	1-2.0'	G	1		✓	✓	✓	
DS-7 (3-4.0')	S	9/23/20	1025	3-4.0'	G	1		✓	✓	✓	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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

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
1	Clue Clifton 9.23.20 1437	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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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: 673381

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Project Manager:	John Fergerson	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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	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	1120	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 SiO_2 Na Sr Tl 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

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
1	Cloe Clifton 9-23-20	9/23/20 1437	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
Page 91 of 91

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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

Analysis Requested													
	Lab Id:	676830-001		676830-002		676830-003		676830-004		676830-005		676830-006	
	Field Id:	CFS-1		CWSS-1		CWSE-1		CWSW-1		CFS-2		CWSE-2	
	Depth:	1.0- ft		1.0- ft		1.0- ft		1.0- ft		1.0- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Jessica Kramer

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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

Analysis Requested													
	Lab Id:	676830-007		676830-008		676830-009		676830-010		676830-011		676830-012	
	Field Id:	CWSW-2		CFS-3		CWSE-3		CWSW-3		CFS-4		CFS-4	
	Depth:	1.0- ft		1.0- ft		1.0- ft		1.0- ft		2.0- ft		3.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	676830-013		676830-014		676830-015		676830-017		676830-018		676830-019	
	Field Id:	CFS-5		CFS-5		CWSS-4		CFS-5		CWSE-4		CWSW-4	
	Depth:	2.0- ft		4.0- ft		4.0- ft		5.0- ft		3.0- ft		3.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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Analytical Report 676830

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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	

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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	

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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				
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 16:23	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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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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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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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				
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 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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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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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:	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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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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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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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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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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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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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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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**	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:	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 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	

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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	

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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:	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 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	

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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

QC Summary 676830

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141404 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714493-1-BLK — LCS Sample Id: 7714493-1-BKS — 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 — Prep Method: E300P
Seq Number: 3141404 — Matrix: Soil — Date Prep: 11.04.2020
Parent Sample Id: 676830-001 — MS Sample Id: 676830-001 S — 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 — Prep Method: E300P
Seq Number: 3141404 — Matrix: Soil — Date Prep: 11.04.2020
Parent Sample Id: 676830-011 — MS Sample Id: 676830-011 S — 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 — Prep Method: SW8015P
Seq Number: 3141427 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714498-1-BLK — LCS Sample Id: 7714498-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3141427 — Matrix: Solid — Date Prep: 11.04.2020
MB Sample Id: 7714498-1-BLK

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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 676830

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141427 Matrix: Soil Date Prep: 11.04.2020
Parent Sample Id: 676830-001 MS Sample Id: 676830-001 S 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** Prep Method: SW5035A
Seq Number: 3141399 Matrix: Solid Date Prep: 11.04.2020
MB Sample Id: 7714494-1-BLK LCS Sample Id: 7714494-1-BKS 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** Prep Method: SW5035A
Seq Number: 3141399 Matrix: Soil Date Prep: 11.04.2020
Parent Sample Id: 676830-001 MS Sample Id: 676830-001 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 676830

www.xenco.com Page 1 of 2

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TN#007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.6
Total Containers:	19	Corrected Temperature:	4.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-1	S	10/30/2020	1010	1.0'	Comp	1		X	X	X	
CWSS-1	S	10/30/2020	1015	1.0'	Comp	1		X	X	X	
CWSE-1	S	10/30/2020	1020	1.0'	Comp	1		X	X	X	
CWSW-1	S	10/30/2020	1030	1.0'	Comp	1		X	X	X	
CFS-2	S	10/30/2020	1120	1.0'	Comp	1		X	X	X	
CWSE-2	S	10/30/2020	1125	1.0'	Comp	1		X	X	X	
CWSW-2	S	10/30/2020	1130	1.0'	Comp	1		X	X	X	
CFS-3	S	10/30/2020	1155	1.0'	Comp	1		X	X	X	
CWSE-3	S	10/30/2020	1200	1.0'	Comp	1		X	X	X	
CWSW-3	S	10/30/2020	1205	1.0'	Comp	1		X	X	X	

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 SiO_2 Na Sr Tl 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

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
1			11/4/20 0817	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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676830

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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: _____

www.xenco.com Page 2 of 2

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-4	S	10/30/2020	1315	2.0'	Comp	1		X	X	X	
CFS-4	S	11/2/2020	1355	3.0'	Comp	1		X	X	X	
CFS-5	S	11/2/2020	1440	2.0'	Comp	1		X	X	X	
CFS-5	S	11/2/2020	1455	4.0'	Comp	1		X	X	X	
CWSS-4	S	11/3/2020	1415	4.0'	Comp	1		X	X	X	
CFS-4	S	11/3/2020	1420	5.0'	Comp	1		X	X	X	Hold
CFS-5	S	11/3/2020	1425	5.0'	Comp	1		X	X	X	
CWSE-4	S	11/3/2020	1440	3.0'	Comp	1		X	X	X	
CWSW-4	S	11/3/2020	1445	3.0'	Comp	1		X	X	X	
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 SiO_2 Na Sr Tl 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

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
1		11/4/20 0817	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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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

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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

Analysis Requested													
	Lab Id:	677178-001		677178-002		677178-003		677178-004		677178-005		677178-006	
	Field Id:	CWSW-5		CWSE-5		CWSE-6		CFS-6		CWSW-6		CFS-7	
	Depth:	3.0- ft		3.0- ft		3.0- ft		6.0- ft		3.0- ft		7.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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Analytical Report 677178

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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,

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

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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

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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

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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	

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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	

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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	

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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:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.09.2020 10:11	% Moisture: Basis:	Wet Weight
Seq Number:	3141941				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.09.2020 15:18	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.09.2020 15:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	11.09.2020 15:18	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.09.2020 15:18	

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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				
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	**42.3**	9.94	mg/kg	11.09.2020 16:55		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 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	

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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	

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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	

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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:	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 16:03	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.09.2020 16:03	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.09.2020 16:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.09.2020 16:03	
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.09.2020 16:03	

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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	

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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	

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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	

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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	

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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

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QC Summary 677178

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141793 — Matrix: Solid — Date Prep: 11.09.2020
MB Sample Id: 7714798-1-BLK — LCS Sample Id: 7714798-1-BKS — 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 — Prep Method: E300P
Seq Number: 3141793 — Matrix: Soil — Date Prep: 11.09.2020
Parent Sample Id: 677168-001 — MS Sample Id: 677168-001 S — 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 — Prep Method: E300P
Seq Number: 3141793 — Matrix: Solid — Date Prep: 11.09.2020
Parent Sample Id: 677178-001 — MS Sample Id: 677178-001 S — 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 — Prep Method: SW8015P
Seq Number: 3141879 — Matrix: Solid — Date Prep: 11.09.2020
MB Sample Id: 7714832-1-BLK — LCS Sample Id: 7714832-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3141879 — Matrix: Solid — Date Prep: 11.09.2020
MB Sample Id: 7714832-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 677178

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141879 Matrix: Soil Date Prep: 11.09.2020
Parent Sample Id: 677178-001 MS Sample Id: 677178-001 S 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** Prep Method: SW5035A
Seq Number: 3141941 Matrix: Solid Date Prep: 11.09.2020
MB Sample Id: 7714805-1-BLK LCS Sample Id: 7714805-1-BKS 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** Prep Method: SW5035A
Seq Number: 3141941 Matrix: Soil Date Prep: 11.09.2020
Parent Sample Id: 677178-001 MS Sample Id: 677178-001 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 677178

www.xenco.com Page 1 of 1

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes / No	Wet Ice:	Yes / No	
Samples Received Intact:	Yes / No	Thermometer ID:	TNM007	3.4 / 3.2
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:		-0.2
Sample Custody Seals:	Yes / No / N/A	Temperature Reading:		3.4 / 3.2
Total Containers:	6	Corrected Temperature:		3.2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSW-5	S	11/4/20	1055	3.0'	Comp	1	✓	✓	✓
CWSE-5	S	11/4/20	1250	3.0'	Comp	1	✓	✓	✓
CWSE-6	S	11/4/20	1510	3.0'	Comp	1	✓	✓	✓
CFS-6	S	11/5/20	1035	6.0'	Comp	1	✓	✓	✓
CWSW-6	S	11/5/20	1055	3.0'	Comp	1	✓	✓	✓
CFS-7	S	11/5/20	1530	7.0'	Comp	1	✓	✓	✓
Temp Blank									

Parameters — Pres. Code: CC 11/6/20

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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

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
1			2		
3		11/4/20 1537	4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
Page 21 of 22

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

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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

Analysis Requested											
	Lab Id:	677299-002		677299-003		677299-004		677299-005		677299-006	
	Field Id:	CFS-8		CWSE-7		CWSW-7		CWSW-8		CWSE-8	
	Depth:	6- ft		3- ft		3- ft		3- ft		3- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/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	<49.8	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

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Analytical Report 677299

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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				
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	<0.00200	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	

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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	

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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				
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	<0.00202	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	

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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	

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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	

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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	

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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				
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 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	

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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	

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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				
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	<0.00201	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	

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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

QC Summary 677299

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3141921 — Matrix: Solid — Date Prep: 11.10.2020
MB Sample Id: 7714902-1-BLK — LCS Sample Id: 7714902-1-BKS — 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 — Prep Method: E300P
Seq Number: 3141921 — Matrix: Soil — Date Prep: 11.10.2020
Parent Sample Id: 677299-002 — MS Sample Id: 677299-002 S — 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 — Prep Method: E300P
Seq Number: 3141921 — Matrix: Soil — Date Prep: 11.10.2020
Parent Sample Id: 677372-003 — MS Sample Id: 677372-003 S — 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 — Prep Method: SW8015P
Seq Number: 3141919 — Matrix: Solid — Date Prep: 11.10.2020
MB Sample Id: 7714921-1-BLK — LCS Sample Id: 7714921-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3141919 — Matrix: Solid — Date Prep: 11.10.2020
MB Sample Id: 7714921-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 677299

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3141919 Matrix: Soil Date Prep: 11.10.2020
Parent Sample Id: 677299-002 MS Sample Id: 677299-002 S 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** Prep Method: SW5035A
Seq Number: 3141914 Matrix: Solid Date Prep: 11.10.2020
MB Sample Id: 7714901-1-BLK LCS Sample Id: 7714901-1-BKS 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** Prep Method: SW5035A
Seq Number: 3141914 Matrix: Soil Date Prep: 11.10.2020
Parent Sample Id: 677299-002 MS Sample Id: 677299-002 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 677299

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	3.6	
Total Containers:		Corrected Temperature:	3.4	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-7	S	11/9/20	1210	6.0'	Comp	1		✓	✓	✓	
CFS-8	S	11/9/20	1320	6.0'	Comp	1		✓	✓	✓	
CWSE-7	S	11/9/20	1325	3.0'	Comp	1		✓	✓	✓	
CWSW-7	S	11/9/20	1330	3.0'	Comp	1		✓	✓	✓	
CWSW-8	S	11/9/20	1345	3.0'	Comp	1		✓	✓	✓	
CWSE-8	S	11/9/20	1540	3.0'	Comp	1		✓	✓	✓	
Temp Blank											QA/QC

Parameters

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 SiO_2 Na Sr Tl 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

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
1		11/9/20 1700	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.001
Page 19 of 20
Released to Imaging: 11/16/2021 8:06:05 AM

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

Checklist reviewed by: Jessica Kramer Date: 11.10.2020

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

Analysis Requested													
	Lab Id:	677883-001		677883-002		677883-003		677883-004		677883-005		677883-006	
	Field Id:	CFS-9		CWSW-9		CWSE-9		CWSE-10		CWSW-10		CFS-10	
	Depth:	1.5- ft		1.0- ft		1.0- ft		1.0- ft		1.0- ft		1.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	677883-007		677883-008		677883-009		677883-010		677883-011		677883-012	
	Field Id:	CWSW-11		CWSE-11		CFS-11		CWSE-12		CFS-12		CWSW-12	
	Depth:	1.0- ft		1.0- ft		1.5- ft		1.0- ft		1.5- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	677883-013		677883-014		677883-015		677883-016		677883-017		677883-018	
	Field Id:	CWSE-13		CFS-13		CFS-14		CWSE-14		CWSW-13		CWSW-14	
	Depth:	1.0- ft		2.0- ft		2.0- ft		1.0- ft		1.0- ft		1.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	677883-019		677883-020		677883-021		677883-022		677883-023		677883-024	
	Field Id:	CWSE-15		CWSW-15		CFS-15		CFS-15		CFS-15		CFS-16	
	Depth:	1.0- ft		1.0- ft		1.2.0- ft		4.0- ft		6.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	677883-025		677883-026		677883-027		677883-028		677883-029		677883-030	
	Field Id:	CFS-15		CWSE-16		CWSW-16		CFS-17		CWSW-17		CWSE-17	
	Depth:	8.0- ft		1.0- ft		1.5- ft		2.5- ft		1.5- ft		1.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

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

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Analytical Report 677883

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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				
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	<0.00202	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	

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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	

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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				
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	<0.00202	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	

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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				
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	<9.96	9.96	mg/kg	11.14.2020 00:16	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	<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	

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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:	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	<0.00202	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	

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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	

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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				
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 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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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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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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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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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:	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 09:42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 09:42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 09:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.14.2020 09:42	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.14.2020 09:42	

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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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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:	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 10:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.14.2020 10:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.14.2020 10:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.14.2020 10:05	
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.14.2020 10:05	

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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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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				
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 10:27	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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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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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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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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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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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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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				
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 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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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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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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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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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:	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 10:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.14.2020 10:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.14.2020 10:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.14.2020 10:47	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 10:47	

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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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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:	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 11:10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 11:10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 11:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.14.2020 11:10	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 11:10	

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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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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:	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 11:32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.14.2020 11:32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.14.2020 11:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.14.2020 11:32	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.14.2020 11:32	

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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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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:	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	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.14.2020 11:54	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1
Total BTEX		<0.00198	0.00198	mg/kg	11.14.2020 11:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.14.2020 11:54	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 11:54	

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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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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:	
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 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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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:	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 12:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.14.2020 12:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 12:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.14.2020 12:39	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.14.2020 12:39	

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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:	**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:	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 13:02	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.14.2020 13:02	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 13:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.14.2020 13:02	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 13:02	

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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	% 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 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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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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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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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:	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 14:42	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.14.2020 14:42	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 14:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.14.2020 14:42	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 14:42	

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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:	677883-022	Date Collected:	11.12.2020 11:25	Sample Depth:	4.0 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 15:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.14.2020 15:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.14.2020 15:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 15:04	
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.14.2020 15:04	

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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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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:	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 15:27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.14.2020 15:27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.14.2020 15:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.14.2020 15:27	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.14.2020 15:27	

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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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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				
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 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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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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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	

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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: 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 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	

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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	

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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:	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	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.17.2020 23:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.17.2020 23:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.17.2020 23:38	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.17.2020 23:38	

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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	

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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	

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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	

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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:	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 17:41	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.14.2020 17:41	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.14.2020 17:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.14.2020 17:41	
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.14.2020 17:41	

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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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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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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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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:	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 00:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.18.2020 00:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.18.2020 00:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.18.2020 00:22	
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.18.2020 00:22	

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Certificate of Analytical Results 677883

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	

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Certificate of Analytical Results 677883

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:	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	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.18.2020 00:45	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.18.2020 00:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.18.2020 00:45	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.18.2020 00:45	

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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

QC Summary 677883

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3142338 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715204-1-BLK — LCS Sample Id: 7715204-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142429 — Matrix: Solid — Date Prep: 11.14.2020
MB Sample Id: 7715205-1-BLK — LCS Sample Id: 7715205-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142338 — Matrix: Soil — Date Prep: 11.13.2020
Parent Sample Id: 677843-002 — MS Sample Id: 677843-002 S — 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 — Prep Method: E300P
Seq Number: 3142338 — Matrix: Soil — Date Prep: 11.13.2020
Parent Sample Id: 677883-006 — MS Sample Id: 677883-006 S — 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 — Prep Method: E300P
Seq Number: 3142429 — Matrix: Soil — Date Prep: 11.14.2020
Parent Sample Id: 677883-015 — MS Sample Id: 677883-015 S — 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 — Prep Method: E300P
Seq Number: 3142429 — Matrix: Soil — Date Prep: 11.14.2020
Parent Sample Id: 677883-025 — MS Sample Id: 677883-025 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142313 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715202-1-BLK — LCS Sample Id: 7715202-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142312 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715201-1-BLK — LCS Sample Id: 7715201-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142566 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715396-1-BLK — LCS Sample Id: 7715396-1-BKS — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142569 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715398-1-BLK — LCS Sample Id: 7715398-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142313 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715202-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3142312 — Matrix: Solid — Date Prep: 11.13.2020
MB Sample Id: 7715201-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3142566 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715396-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3142569 — Matrix: Solid — Date Prep: 11.17.2020
MB Sample Id: 7715398-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142313 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677810-001 MS Sample Id: 677810-001 S 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** Prep Method: SW8015P
Seq Number: 3142312 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677806-001 MS Sample Id: 677806-001 S 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** Prep Method: SW8015P
Seq Number: 3142566 Matrix: Soil Date Prep: 11.17.2020
Parent Sample Id: 677883-023 MS Sample Id: 677883-023 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142569 Matrix: Soil Date Prep: 11.17.2020
Parent Sample Id: 677883-028 MS Sample Id: 677883-028 S 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** Prep Method: SW5035A
Seq Number: 3142323 Matrix: Solid Date Prep: 11.13.2020
MB Sample Id: 7715197-1-BLK LCS Sample Id: 7715197-1-BKS 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** Prep Method: SW5035A
Seq Number: 3142324 Matrix: Solid Date Prep: 11.13.2020
MB Sample Id: 7715198-1-BLK LCS Sample Id: 7715198-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3142570 Matrix: Solid Date Prep: 11.17.2020
MB Sample Id: 7715389-1-BLK LCS Sample Id: 7715389-1-BKS 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** Prep Method: SW5035A
Seq Number: 3142323 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677813-003 MS Sample Id: 677813-003 S 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** Prep Method: SW5035A
Seq Number: 3142324 Matrix: Soil Date Prep: 11.13.2020
Parent Sample Id: 677883-010 MS Sample Id: 677883-010 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 677883

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3142570 Matrix: Soil Date Prep: 11.17.2020

Parent Sample Id: 678092-001 MS Sample Id: 678092-001 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	1.8
Total Containers:	32	Corrected Temperature:	1.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-9	S	11/10/20	1150	1.5	Comp	1		✓	✓	✓	
CWSW-9	S	11/10/20	1410	1.0	Comp	1		✓	✓	✓	
CWSE-9	S	11/10/20	1445	1.0	Comp	1		✓	✓	✓	
CWSE-10	S	11/11/20	1020	1.0	Comp	1		✓	✓	✓	
CWSW-10	S	11/11/20	1025	1.0	Comp	1		✓	✓	✓	
CFS-10	S	11/11/20	1030	1.5	Comp	1		✓	✓	✓	
CWSW-11	S	11/11/20	1100	1.0	Comp	1		✓	✓	✓	
CWSE-11	S	11/11/20	1105	1.0	Comp	1		✓	✓	✓	
CFS-11	S	11/11/20	1110	1.5	Comp	1		✓	✓	✓	
CWSE-12	S	11/11/20	1145	1.0	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 SiO_2 Na Sr Tl 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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1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
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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: 677883

www.xenco.com Page 2 of 4

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-12	S	11/11/20	1150	1.5'	Comp	1		✓	✓	✓	
CWSW-12	S	11/11/20	1255	1.0'	Comp	1		✓	✓	✓	
CWSE-13	S	11/11/20	1315	1.0'	Comp	1		✓	✓	✓	
CFS-13	S	11/11/20	1320	2.0'	Comp	1		✓	✓	✓	
CFS-14	S	11/11/20	1450	2.0'	Comp	1		✓	✓	✓	
CWSE-14	S	11/11/20	1505	1.0'	Comp	1		✓	✓	✓	
CWSW-13	S	11/11/20	1520	1.0'	Comp	1		✓	✓	✓	
CWSW-14	S	11/11/20	1530	1.0	Comp	1		✓	✓	✓	
CWSE-15	S	11/12/20	1010	1.0	Comp	1		✓	✓	✓	
CWSW-15	S	11/12/20	1050	1.0	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 SiO_2 Na Sr Tl 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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1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Work Order No: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-15	S	11/12/20	1055	2.0'	Comp	1		✓	✓	✓	
CFS-15	S	11/12/20	1125	4.0'	Grab	1		✓	✓	✓	
CFS-15	S	11/12/20	1130	6.0'	Grab	1		✓	✓	✓	
CFS-16	S	11/12/20	1205	2.0'	Comp	1		✓	✓	✓	
CFS-15	S	11/12/20	1320	8.0'	Grab	1		✓	✓	✓	
CWSE-16	S	11/12/20	1420	1.0'	Comp	1		✓	✓	✓	
CWSW-16	S	11/12/20	1515	1.5'	Comp	1		✓	✓	✓	
CFS-17	S	11/13/20	0955	2.5'	Comp	1		✓	✓	✓	
CWSW-17	S	11/13/20	1140	1.5'	Comp	1		✓	✓	✓	
CWSE-17	S	11/13/20	1145	1.5	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 SiO_2 Na Sr Tl 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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1		11/13/20 15:10	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
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Chain of Custody

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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: 677883

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No		
Samples Received Intact:	Yes No	Thermometer ID:			
Cooler Custody Seals:	Yes No 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	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-18	S	11/13/20	1215	2.5'	Comp	1		✓	✓	✓	
CWSE-18	S	11/13/20	1345	1.5'	Comp	1		✓	✓	✓	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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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Revised Date: 08/25/2020 Rev. 2020.2

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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

Checklist reviewed by: Jessica Kramer Date: 11.16.2020

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

Analysis Requested													
	Lab Id:	678408-001		678408-002		678408-003		678408-004		678408-005		678408-006	
	Field Id:	CWSW-18		CFS-19		CWSW-19		CWSE-19		CFS-20		CWSE-20	
	Depth:	1.5- ft		2.5- ft		1.5- ft		1.5- ft		2.5- ft		1.5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678408-007		678408-008		678408-009		678408-010		678408-011		678408-012	
	Field Id:	CWSW-20		CFS-21		CWSW-21		CWSE-21		CWSW-22		CFS-22	
	Depth:	1.5- ft		3.0- ft		1.5- ft		1.5- ft		2.0- ft		5.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678408-013		678408-014		678408-015		678408-016		678408-017		678408-018	
	Field Id:	CWSE-22		CFS-22		CFS-23		CWSE-23		CWSW-23		CFS-24	
	Depth:	2.5- ft		8.0- ft		6.0- ft		2.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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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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:	678408-019		678408-020		678408-021		678408-022		678408-023		678408-024	
	Field Id:	CWSW-24		CWSE-24		CWSW-25		CFS-25		CWSE-25		CWSW-26	
	Depth:	2.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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

Analysis Requested													
	Lab Id:	678408-025		678408-026		678408-027		678408-028		678408-029		678408-030	
	Field Id:	CWSE-26		CFS-26		CWSW-27		CFS-27		CWSE-27		CWSW-28	
	Depth:	2.0- ft		4.0- ft		2.0- ft		4.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

BRL - Below Reporting Limit

Jessica Kramer

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

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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

Analysis Requested		678408-031		678408-032		678408-033		678408-034		678408-035		678408-036	
	Field Id:	CWSE-28		CFS-28		CWSW-29		CWSE-29		CFS-29		CFS-30	
	Depth:	2.0- ft		4.0- ft		2.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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

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		

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 678408

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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:	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 18:50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 18:50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 18:50	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 18:50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 18:50	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 18:50	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 18:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.19.2020 18:50	
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.19.2020 18:50	

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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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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:	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 19:13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 19:13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 19:13	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.19.2020 19:13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 19:13	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 19:13	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	11.19.2020 19:13	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 19:13	

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Certificate of Analytical Results 678408

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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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:	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 19:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 19:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 19:35	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 19:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 19:35	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 19:35	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 19:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	11.19.2020 19:35	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.19.2020 19:35	

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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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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:	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 19:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.19.2020 19:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.19.2020 19:57	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.19.2020 19:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.19.2020 19:57	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.19.2020 19:57	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.19.2020 19:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	11.19.2020 19:57	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 19:57	

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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	

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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:	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	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.19.2020 20:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.19.2020 20:20	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.19.2020 20:20	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.19.2020 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.19.2020 20:20	
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.19.2020 20:20	

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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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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	

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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	

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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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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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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: Basis:	Wet Weight
Seq Number:	3142893				

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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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	

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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				
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 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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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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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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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				
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	11.19.2020 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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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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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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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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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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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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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:	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 00:37	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 00:37	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 00:37	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.20.2020 00:37	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 00:37	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 00:37	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 00:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.20.2020 00:37	
4-Bromofluorobenzene	460-00-4	92	%	70-130	11.20.2020 00:37	

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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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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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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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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				
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 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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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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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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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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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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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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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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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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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:	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 02:51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.2020 02:51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.2020 02:51	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.20.2020 02:51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.20.2020 02:51	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.20.2020 02:51	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.20.2020 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 02:51	
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.20.2020 02:51	

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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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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: 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 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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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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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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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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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:	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	11.19.2020 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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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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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				
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 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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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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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:	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	11.19.2020 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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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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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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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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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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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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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:	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 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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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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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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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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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:	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	11.20.2020 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				
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	11.20.2020 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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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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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	

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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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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:	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	11.20.2020 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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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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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:	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	11.20.2020 02:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.2020 02:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.2020 02:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.2020 02:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.2020 02:50	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.20.2020 02:50	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.20.2020 02:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.20.2020 02:50	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 02:50	

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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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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				
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	11.20.2020 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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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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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:	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	11.20.2020 03:35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 03:35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 03:35	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.20.2020 03:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 03:35	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 03:35	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 03:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.20.2020 03:35	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 03:35	

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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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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:	
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	11.20.2020 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	

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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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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:	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	11.20.2020 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	

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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

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QC Summary 678408

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3142937 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715678-1-BLK — LCS Sample Id: 7715678-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142938 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715679-1-BLK — LCS Sample Id: 7715679-1-BKS — 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 — Prep Method: E300P
Seq Number: 3142937 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-001 — MS Sample Id: 678408-001 S — 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 — Prep Method: E300P
Seq Number: 3142937 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-011 — MS Sample Id: 678408-011 S — 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 — Prep Method: E300P
Seq Number: 3142938 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-021 — MS Sample Id: 678408-021 S — 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 — Prep Method: E300P
Seq Number: 3142938 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678408-031 — MS Sample Id: 678408-031 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 678408

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142900 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715571-1-BLK — LCS Sample Id: 7715571-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142902 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715572-1-BLK — LCS Sample Id: 7715572-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142903 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715574-1-BLK — LCS Sample Id: 7715574-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3142900 — Matrix: Solid — Date Prep: 11.19.2020
MB Sample Id: 7715571-1-BLK

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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 678408

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142902 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715572-1-BLK

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** Prep Method: SW8015P
Seq Number: 3142903 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715574-1-BLK

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** Prep Method: SW8015P
Seq Number: 3142900 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-001 MS Sample Id: 678408-001 S 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** Prep Method: SW8015P
Seq Number: 3142902 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-021 MS Sample Id: 678408-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142903 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-031 MS Sample Id: 678408-031 S 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** Prep Method: SW5035A
Seq Number: 3142893 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715580-1-BLK LCS Sample Id: 7715580-1-BKS 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** Prep Method: SW5035A
Seq Number: 3142894 Matrix: Solid Date Prep: 11.19.2020
MB Sample Id: 7715581-1-BLK LCS Sample Id: 7715581-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3142893 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-001 MS Sample Id: 678408-001 S 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** Prep Method: SW5035A
Seq Number: 3142894 Matrix: Soil Date Prep: 11.19.2020
Parent Sample Id: 678408-021 MS Sample Id: 678408-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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

www.xenco.com Page 1 of 4

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	Yes No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TN1M007	~~4.2~~
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:		-0.2
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:		4.2
Total Containers:	38	Corrected Temperature:		4.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSW-18	S	11/16/20	0920	1.5'	Comp	1		✓	✓	✓	
CFS-19	S	11/16/20	1040	2.5'	Comp	1		✓	✓	✓	
CWSW-19	S	11/16/20	1045	1.5'	Comp	1		✓	✓	✓	
CWSE-19	S	11/16/20	1145	1.5'	Comp	1		✓	✓	✓	
CFS-20	S	11/16/20	1315	2.5'	Comp	1		✓	✓	✓	
CWSE-20	S	11/16/20	1320	1.5'	Comp	1		✓	✓	✓	
CWSW-20	S	11/16/20	1430	1.5'	Comp	1		✓	✓	✓	
CFS-21	S	11/16/20	1435	3.0'	Comp	1		✓	✓	✓	
CWSW-21	S	11/17/20	0920	1.5'	Comp	1		✓	✓	✓	
CWSE-21	S	11/17/20	0925	1.5'	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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11/18/20 1640	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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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

www.xenco.com Page 2 of 4

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TPM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSW-22	S	11/17/20	0940	2.0'	Comp	1	✓	✓	✓
~~CWSE-CFS-22~~	S	11/17/20	1030	5.0'	Grab	1	✓	✓	✓
CWSE-22	S	11/17/20	1035	2.5'	Comp	1	✓	✓	✓
CFS-22	S	11/17/20	1115	8.0'	Grab	1	✓	✓	✓
CFS-23	S	11/17/20	1225	6.0'	Comp	1	✓	✓	✓
CWSE-23	S	11/17/20	1350	2.0'	Comp	1	✓	✓	✓
CWSW-23	S	11/17/20	1355	2.0'	Comp	1	✓	✓	✓
CFS-24	S	11/17/20	1400	4.0'	Comp	1	✓	✓	✓
CWSW-24	S	11/17/20	1435	2.0'	Comp	1	✓	✓	✓
CWSE-24	S	11/17/20	1530	2.0'	Comp	1	✓	✓	✓

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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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Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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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

www.xenco.com Page 3 of 4

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNH007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2	
Total Containers:		Corrected Temperature:	4	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSW-25	S	11/18/20	0920	2.0'	Comp	1		✓	✓	✓
CFS-25	S	11/18/20	0925	4.0'	Comp	1		✓	✓	✓
CWSE-25	S	11/18/20	0955	2.0'	Comp	1		✓	✓	✓
CWSW-26	S	11/18/20	1000	2.0'	Comp	1		✓	✓	✓
CWSE-26	S	11/18/20	1005	2.0'	Comp	1		✓	✓	✓
CFS-26	S	11/18/20	1010	4.0'	Comp	1		✓	✓	✓
CWSW-27	S	11/18/20	1125	2.0'	Comp	1		✓	✓	✓
CFS-27	S	11/18/20	1130	4.0'	Comp	1		✓	✓	✓
CWSE-27	S	11/18/20	1155	2.0'	Comp	1		✓	✓	✓
CWSW-28	S	11/18/20	1210	2.0'	Comp	1		✓	✓	✓

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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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Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
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Work Order No: 678408

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNH007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2	
Total Containers:		Corrected Temperature:	4.	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-28	S	11/18/20	1215	2.0'	Comp	1		✓	✓	✓	
CFS-28	S	11/18/20	1220	4.0'	Comp	1		✓	✓	✓	
CWSW-29	S	11/18/20	1330	2.0'	Comp	1		✓	✓	✓	
CWSE-29	S	11/18/20	1335	2.0'	Comp	1		✓	✓	✓	
CFS-29	S	11/18/20	1345	4.0'	Comp	1		✓	✓	✓	
CFS-30	S	11/18/20	1415	4.0'	Comp	1		✓	✓	✓	
CWSW-30	S	11/18/20	1450	2.0'	Comp	1		✓	✓	✓	
CWSE-30	S	11/18/20	1455	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 SiO_2 Na Sr Tl 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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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

Checklist reviewed by: Jessica Kramer Date: 11.20.2020

Jessica Kramer

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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

Analysis Requested													
	Lab Id:	678677-001		678677-002		678677-003		678677-004		678677-005		678677-006	
	Field Id:	CWSE-31		CWSW-31		CFS-31		CWSE-32		CFS-32		CWSE-33	
	Depth:	2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678677-007		678677-008		678677-009		678677-010		678677-011		678677-012	
	Field Id:	CFS-33		CWSW-32		CWSW-33		CWSW-34		CFS-34		CWSE-34	
	Depth:	4.0- ft		2.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678677-013		678677-014		678677-015		678677-016		678677-017		678677-018	
	Field Id:	CWSE-35		CWSW-35		CFS-35		CWSE-36		CFS-36		CWSW-37	
	Depth:	2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	678677-019		678677-020		678677-021		678677-022		678677-023		678677-024	
	Field Id:	CFS-37		CWSW-36		CWSE-37		CFS-38		CWSE-39		CFS-39	
	Depth:	4.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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Jessica Kramer

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Analytical Report 678677

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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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

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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

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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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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:	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 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	

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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:	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	

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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:	**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:	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 14:58	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.23.2020 14:58	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.23.2020 14:58	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.23.2020 14:58	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.23.2020 14:58	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.23.2020 14:58	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.23.2020 14:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.23.2020 14:58	
4-Bromofluorobenzene	460-00-4	122	%	70-130	11.23.2020 14:58	

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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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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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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	

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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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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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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				
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 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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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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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: Basis:	Wet Weight
Seq Number:	3143144				

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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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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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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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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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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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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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:	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 22:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.23.2020 22:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.23.2020 22:16	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.23.2020 22:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.23.2020 22:16	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.23.2020 22:16	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.23.2020 22:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.23.2020 22:16	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.23.2020 22:16	

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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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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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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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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:	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 19:17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.23.2020 19:17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.23.2020 19:17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.23.2020 19:17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.23.2020 19:17	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.23.2020 19:17	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.23.2020 19:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.23.2020 19:17	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.23.2020 19:17	

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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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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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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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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:	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 20:02	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 20:02	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 20:02	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 20:02	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 20:02	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 20:02	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 20:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	11.23.2020 20:02	
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.23.2020 20:02	

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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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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				
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 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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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:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.23.2020 10:27	% Moisture: 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 21:09	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 21:09	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 21:09	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 21:09	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 21:09	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 21:09	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 21:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.23.2020 21:09	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.23.2020 21:09	

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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	

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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	

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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:	**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:	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 21:54	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.23.2020 21:54	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.23.2020 21:54	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.23.2020 21:54	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.23.2020 21:54	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.23.2020 21:54	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.23.2020 21:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	11.23.2020 21:54	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.23.2020 21:54	

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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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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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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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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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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:	**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:	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 02:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.24.2020 02:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.24.2020 02:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	11.24.2020 02:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.24.2020 02:25	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.24.2020 02:25	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.24.2020 02:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	11.24.2020 02:25	
4-Bromofluorobenzene	460-00-4	115	%	70-130	11.24.2020 02:25	

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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:	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	**51.8**	49.9	mg/kg	11.23.2020 21:32		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	<49.8	49.8	mg/kg	11.23.2020 19:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	11.23.2020 19:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	11.23.2020 19:13	U	1
Total TPH	PHC635	<49.80	49.80	mg/kg	11.23.2020 19:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	11.23.2020 19:13	
o-Terphenyl	84-15-1	114	%	70-135	11.23.2020 19:13	

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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	

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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

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QC Summary 678677

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143167 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715803-1-BLK — LCS Sample Id: 7715803-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143168 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715806-1-BLK — LCS Sample Id: 7715806-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143167 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678677-001 — MS Sample Id: 678677-001 S — 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 — Prep Method: E300P
Seq Number: 3143167 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678677-011 — MS Sample Id: 678677-011 S — 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 — Prep Method: E300P
Seq Number: 3143168 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678677-021 — MS Sample Id: 678677-021 S — 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 — Prep Method: E300P
Seq Number: 3143168 — Matrix: Soil — Date Prep: 11.23.2020
Parent Sample Id: 678682-007 — MS Sample Id: 678682-007 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 678677

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3143140 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715859-1-BLK — LCS Sample Id: 7715859-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143142 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715858-1-BLK — LCS Sample Id: 7715858-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143140 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715859-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143142 — Matrix: Solid — Date Prep: 11.23.2020
MB Sample Id: 7715858-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 678677

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3143140 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-001 MS Sample Id: 678677-001 S 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** Prep Method: SW8015P
Seq Number: 3143142 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-013 MS Sample Id: 678677-013 S 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** Prep Method: SW5035A
Seq Number: 3143144 Matrix: Solid Date Prep: 11.23.2020
MB Sample Id: 7715766-1-BLK LCS Sample Id: 7715766-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3143146 Matrix: Solid Date Prep: 11.23.2020
MB Sample Id: 7715769-1-BLK LCS Sample Id: 7715769-1-BKS 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** Prep Method: SW5035A
Seq Number: 3143144 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-001 MS Sample Id: 678677-001 S 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** Prep Method: SW5035A
Seq Number: 3143146 Matrix: Soil Date Prep: 11.23.2020
Parent Sample Id: 678677-021 MS Sample Id: 678677-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 678677

www.xenco.com Page 1 of 3

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-WM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers:	24	Corrected Temperature:	2.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-31	S	11/19/20	0920	2.0'	Comp	1		✓	✓	✓	
CWSW-31	S	11/19/20	0925	2.0'	Comp	1		✓	✓	✓	
CFS-31	S	11/19/20	0930	4.0'	Comp	1		✓	✓	✓	
CWSE-32	S	11/19/20	0950	2.0'	Comp	1		✓	✓	✓	
CFS-32	S	11/19/20	0955	4.0'	Comp	1		✓	✓	✓	
CWSE-33	S	11/19/20	1340	2.0'	Comp	1		✓	✓	✓	
CFS-33	S	11/19/20	1345	4.0'	Comp	1		✓	✓	✓	
CWSW-32	S	11/19/20	1400	2.0'	Comp	1		✓	✓	✓	
CWSW-33	S	11/19/20	1430	2.0'	Comp	1		✓	✓	✓	
CWSW-34	S	11/19/20	1520	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 SiO_2 Na Sr Tl 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

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
1			11/20/20 1556	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.000
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Released to Imaging: 11/16/2021 8:06:05 AM

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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: 678677

www.xenco.com Page 2 of 3

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See Page 1	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-34	S	11/19/20	1525	4.0'	Comp	1		✓	✓	✓	
CWSE-34	S	11/20/20	0905	2.0'	Comp	1		✓	✓	✓	
CWSE-35	S	11/20/20	0915	2.0'	Comp	1		✓	✓	✓	
CWSW-35	S	11/20/20	0920	2.0'	Comp	1		✓	✓	✓	
CFS-35	S	11/20/20	0925	4.0'	Comp	1		✓	✓	✓	
CWSE-36	S	11/20/20	1100	2.0'	Comp	1		✓	✓	✓	
CFS-36	S	11/20/20	1105	4.0'	Comp	1		✓	✓	✓	
CWSW-37	S	11/20/20	1120	2.0'	Comp	1		✓	✓	✓	
CFS-37	S	11/20/20	1125	4.0'	Comp	1		✓	✓	✓	
CWSW-36	S	11/20/20	1140	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 SiO_2 Na Sr Tl 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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1		11/20/20 1554	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
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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: 678677

www.xenco.com Page 3 of 3

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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See Page 1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-37	S	11/20/20	1200	2.0'	Comp	1		✓	✓	✓	
CFS-38	S	11/20/20	1400	4.0'	Comp	1		✓	✓	✓	
CWSE-39	S	11/20/20	1410	2.0'	Comp	1		✓	✓	✓	
CFS-39	S	11/20/20	1415	4.0'	Comp	1		✓	✓	✓	

Parameters

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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11/20/20 1554	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
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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**	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: 11.20.2020

Checklist reviewed by: Jessica Kramer Date: 11.23.2020

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

Analysis Requested													
	Lab Id:	679158-001		679158-002		679158-003		679158-004		679158-005		679158-006	
	Field Id:	CWSW-39		CWSW-40		CWSE-40		CFS-40		CWSE-41		CFS-41	
	Depth:	2.0- ft		2.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679158-007		679158-008		679158-009		679158-010		679158-011		679158-012	
	Field Id:	CFS-42		CWSW-41		CWSW-42		CWSE-42		CWSE-43		CFS-43	
	Depth:	4.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679158-013		679158-014		679158-015		679158-016		679158-017		679158-018	
	Field Id:	CFS-44		CWSW-44		CFS-45		CFS-46		CWSW-46		CFS-47	
	Depth:	4.0- ft		2.0- ft		4.0- ft		4.0- ft		2.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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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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

Analysis Requested													
	Lab Id:	679158-019		679158-020		679158-021		679158-022		679158-023		679158-024	
	Field Id:	CFS-48		CWSW-48		CFS-50		CWSW-50		CFS-49		CFS-51	
	Depth:	4.0- ft		2.0- ft		4.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	679158-025		679158-026		679158-027		679158-028		679158-029		679158-030	
	Field Id:	CWSE-45		CWSE-47		CWSE-49		CWSW-52		CFS-52		CFS-53	
	Depth:	2.0- ft		2.0- ft		2.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested													
	Lab Id:	679158-031		679158-032		679158-033		679158-034		679158-035		679158-036	
	Field Id:	CWSW-54		CFS-54		CFS-55		CWSW-56		CFS-56		CFS-57	
	Depth:	2.0- ft		4.0- ft		4.0- ft		2.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

Analysis Requested																	
	Lab Id:	679158-037		679158-038		679158-039		679158-040		679158-041							
	Field Id:	CWSW-58		CFS-58		CFS-59		CWSW-60		CFS-60							
	Depth:	2.0- ft		4.0- ft		4.0- ft		2.0- ft		4.0- ft							
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL							
	Sampled:	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	***Extracted:***	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							
	Analyzed:	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							
	Units/RL:	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	***Extracted:***	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							
	Analyzed:	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							
	Units/RL:	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	***Extracted:***	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							
	Analyzed:	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							
	Units/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	<50.3	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						

BRL - Below Reporting Limit

Jessica Kramer

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

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Analytical Report 679158

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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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

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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

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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	

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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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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:	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	

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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	

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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	

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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:	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 16:32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.30.2020 16:32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.30.2020 16:32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.30.2020 16:32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.30.2020 16:32	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.30.2020 16:32	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.30.2020 16:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.30.2020 16:32	
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.30.2020 16:32	

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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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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:	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	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.30.2020 16:55	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 16:55	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 16:55	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 16:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.30.2020 16:55	
4-Bromofluorobenzene	460-00-4	119	%	70-130	11.30.2020 16:55	

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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	

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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				
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 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	

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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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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: Basis:	Wet Weight
Seq Number:	3143542				

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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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	

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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:	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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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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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:	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 18:24	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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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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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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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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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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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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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:	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 20:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 20:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 20:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.30.2020 20:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 20:29	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 20:29	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 20:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	11.30.2020 20:29	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 20:29	

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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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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:	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 20:51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 20:51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 20:51	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 20:51	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.30.2020 20:51	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.30.2020 20:51	

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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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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:	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 21:13	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 21:13	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 21:13	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 21:13	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 21:13	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 21:13	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 21:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.30.2020 21:13	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 21:13	

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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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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:	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	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.30.2020 21:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.30.2020 21:36	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.30.2020 21:36	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.30.2020 21:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	11.30.2020 21:36	
1,4-Difluorobenzene	540-36-3	105	%	70-130	11.30.2020 21:36	

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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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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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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				
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	<0.00198	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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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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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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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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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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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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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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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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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:	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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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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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: 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 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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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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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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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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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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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				
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 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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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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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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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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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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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:	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	<0.00199	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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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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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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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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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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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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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:	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 19:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.30.2020 19:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.30.2020 19:21	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.30.2020 19:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.30.2020 19:21	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.30.2020 19:21	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.30.2020 19:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.30.2020 19:21	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 19:21	

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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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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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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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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:	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	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.30.2020 21:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.30.2020 21:01	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.30.2020 21:01	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.30.2020 21:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.30.2020 21:01	
4-Bromofluorobenzene	460-00-4	96	%	70-130	11.30.2020 21:01	

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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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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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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				
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 21:46	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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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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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				
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 22:08	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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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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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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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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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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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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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:	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 23:15	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.30.2020 23:15	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.30.2020 23:15	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.30.2020 23:15	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.30.2020 23:15	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	11.30.2020 23:15	U	1
Total BTEX		<0.002020	0.002020	mg/kg	11.30.2020 23:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	11.30.2020 23:15	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.30.2020 23:15	

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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: Basis:	Wet Weight
Seq Number:	3143544				

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	

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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:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	12.01.2020 11:17	% Moisture:	
Seq Number:	3143649			Basis:	Wet Weight

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	

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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

QC Summary 679158

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Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143550 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716119-1-BLK — LCS Sample Id: 7716119-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143551 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716121-1-BLK — LCS Sample Id: 7716121-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143660 — Matrix: Solid — Date Prep: 12.01.2020
MB Sample Id: 7716174-1-BLK — LCS Sample Id: 7716174-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143550 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-001 — MS Sample Id: 679158-001 S — 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 — Prep Method: E300P
Seq Number: 3143550 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-011 — MS Sample Id: 679158-011 S — 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 — Prep Method: E300P
Seq Number: 3143551 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-021 — MS Sample Id: 679158-021 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 679158

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143551 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-031 — MS Sample Id: 679158-031 S — 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 — Prep Method: E300P
Seq Number: 3143660 — Matrix: Soil — Date Prep: 12.01.2020
Parent Sample Id: 679158-041 — MS Sample Id: 679158-041 S — 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 — Prep Method: E300P
Seq Number: 3143660 — Matrix: Soil — Date Prep: 12.01.2020
Parent Sample Id: 679266-002 — MS Sample Id: 679266-002 S — 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 — Prep Method: SW8015P
Seq Number: 3143540 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716123-1-BLK — LCS Sample Id: 7716123-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143562 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716125-1-BLK — LCS Sample Id: 7716125-1-BKS — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3143541 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716126-1-BLK — LCS Sample Id: 7716126-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143540 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716123-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143562 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716125-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143541 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716126-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143540 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-001 — MS Sample Id: 679158-001 S — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3143562 Matrix: Soil Date Prep: 11.30.2020
Parent Sample Id: 679158-021 MS Sample Id: 679158-021 S 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** Prep Method: SW8015P
Seq Number: 3143541 Matrix: Soil Date Prep: 11.30.2020
Parent Sample Id: 679158-041 MS Sample Id: 679158-041 S 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** Prep Method: SW5035A
Seq Number: 3143542 Matrix: Solid Date Prep: 11.30.2020
MB Sample Id: 7716116-1-BLK LCS Sample Id: 7716116-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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

QC Summary 679158

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5035A
Seq Number: 3143544 — Matrix: Solid — Date Prep: 11.30.2020
MB Sample Id: 7716118-1-BLK — LCS Sample Id: 7716118-1-BKS — 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 — Prep Method: SW5035A
Seq Number: 3143649 — Matrix: Solid — Date Prep: 12.01.2020
MB Sample Id: 7716203-1-BLK — LCS Sample Id: 7716203-1-BKS — 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 — Prep Method: SW5035A
Seq Number: 3143542 — Matrix: Soil — Date Prep: 11.30.2020
Parent Sample Id: 679158-001 — MS Sample Id: 679158-001 S — 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 679158

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3143544 Matrix: Soil Date Prep: 11.30.2020

Parent Sample Id: 679158-021 MS Sample Id: 679158-021 S 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** Prep Method: SW5035A

Seq Number: 3143649 Matrix: Soil Date Prep: 12.01.2020

Parent Sample Id: 679158-041 MS Sample Id: 679158-041 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	1.8	
Total Containers:	41	Corrected Temperature:	1.6	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSW-39	S	11/23/20	1010	2.0'	Comp	1	✓	✓	✓
CWSW-40	S	11/23/20	1345	2.0'	Comp	1	✓	✓	✓
CWSE-40	S	11/23/20	1350	2.0'	Comp	1	✓	✓	✓
CFS-40	S	11/23/20	1355	4.0'	Comp	1	✓	✓	✓
CWSE-41	S	11/23/20	1410	2.0'	Comp	1	✓	✓	✓
CFS-41	S	11/23/20	1415	4.0'	Comp	1	✓	✓	✓
CFS-42	S	11/23/20	1425	4.0'	Comp	1	✓	✓	✓
CWSW-41	S	11/24/20	1125	2.0'	Comp	1	✓	✓	✓
JF ~~CWSE-42~~ CWSW-42	S	11/24/20	~~1510~~ 1205	2.0'	Comp	1	✓	✓	✓
CWSE-42	S	11/24/20	1510	2.0'	Comp	1	✓	✓	✓

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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

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.

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1	Cloe Cuffee 11:30:2008:34	11/30/20 0834	2		
3			4		
5			6		

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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: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Wet Ice: Yes No

Parameters

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-43	S	11/24/20	1530	2.0'	Comp	1		✓	✓	✓	
CFS-43	S	11/24/20	1535	4.0'	Comp	1		✓	✓	✓	
JF CWSW-CFS-44	S	11/25/20	1110	4.0'	Comp	1		✓	✓	✓	
CWSW-44	S	11/25/20	1115	2.0'	Comp	1		✓	✓	✓	
CFS-45	S	11/25/20	1150	4.0'	Comp	1		✓	✓	✓	
CFS-46	S	11/25/20	1120	4.0'	Comp	1		✓	✓	✓	
CWSW-46	S	11/25/20	1125	2.0'	Comp	1		✓	✓	✓	
CFS-47	S	11/25/20	1155	4.0'	Comp	1		✓	✓	✓	
CFS-48	S	11/25/20	1130	4.0'	Comp	1		✓	✓	✓	
CWSW-48	S	11/25/20	1135	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 SiO_2 Na Sr Tl 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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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3		11/30/20 0834	4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Work Order No: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-50	S	11/25/20	1140	4.0'	Comp	1		✓	✓	✓	
CWSW-50	S	11/25/20	1145	20'	Comp	1		✓	✓	✓	
CFS-49	S	11/25/20	1200	4.0'	Comp	1		✓	✓	✓	
CFS-51	S	11/25/20	1205	4.0'	Comp	1		✓	✓	✓	
CWSE-45	S	11/25/20	1320	20'	Comp	1		✓	✓	✓	
CWSE-47	S	11/25/20	1325	20'	Comp	1		✓	✓	✓	
CWSE-49	S	11/25/20	1330	20'	Comp	1		✓	✓	✓	
CWSW-52	S	11/25/20	1355	20'	Comp	1		✓	✓	✓	
CFS-52	S	11/25/20	1400	4.0'	Comp	1		✓	✓	✓	
CFS-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 SiO_2 Na Sr Tl 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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1	Cloe Cuffle 11.30.20 0834	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
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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: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSW-54	S	11/25/20	1410	20'	Comp	1		✓	✓	✓	
CFS-54	S	11/25/20	1415	4.0'	Comp	1		✓	✓	✓	
CFS-55	S	11/25/20	1420	4.0'	Comp	1		✓	✓	✓	
CWSW-56	S	11/25/20	1425	20'	Comp	1		✓	✓	✓	
CFS-56	S	11/25/20	1430	4.0'	Comp	1		✓	✓	✓	
CFS-57	S	11/25/20	1435	4.0'	Comp	1		✓	✓	✓	
CWSW-58	S	11/25/20	1440	20'	Comp	1		✓	✓	✓	
CFS-58	S	11/25/20	1445	4.0'	Comp	1		✓	✓	✓	
CFS-59	S	11/25/20	1450	4.0'	Comp	1		✓	✓	✓	
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 SiO_2 Na Sr Tl 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

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
1	Cue Cuellar	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
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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: 679158

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Samples Received Intact:	Temp Blank: Yes No	Wet Ice:	Yes No
Cooler Custody Seals:	Yes No N/A	Thermometer ID:	See Page 1
Sample Custody Seals:	Yes No N/A	Correction Factor:	
Total Containers:		Temperature Reading:	
		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-CO	S	11/25/20	1455	4.0	Cmp	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 SiO_2 Na Sr Tl 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

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
1	Cloe Cuthrell	11/30/20 0834	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.000
Page 105 of 106

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

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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

Analysis Requested													
	Lab Id:	679462-001		679462-002		679462-003		679462-004		679462-005		679462-006	
	Field Id:	CWSE-51		CWSE-53		CWSE-55		CWSE-57		CWSE-59		CWSW-62	
	Depth:	2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679462-007		679462-008		679462-009		679462-010		679462-011		679462-012	
	Field Id:	CWSW-64		CWSW-66		CWSW-68		CFS-61		CFS-62		CFS-63	
	Depth:	2.0- ft		2.0- ft		2.0- ft		4.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679462-013		679462-014		679462-015		679462-016		679462-017		679462-018	
	Field Id:	CFS-64		CFS-65		CFS-66		CFS-67		CFS-68		CFS-69	
	Depth:	4.0- ft		4.0- ft		4.0- ft		4.0- ft		4.0- ft		4.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

BRL - Below Reporting Limit

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

Analysis Requested													
	Lab Id:	679462-019		679462-020		679462-021		679462-022		679462-023		679462-024	
	Field Id:	CFS-70		CWSE-61		CWSE-63		CWSE-65		CWSE-69		CWSE-67	
	Depth:	4.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft		2.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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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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

Analysis Requested													
	Lab Id:	679462-025		679462-026		679462-027		679462-028		679462-029		679462-030	
	Field Id:	CWSW-70		CFS- Hill		CFS- Hill		CFS-Hill		CFS-Hill		CFS-Hill	
	Depth:	2.0- ft		6.0- ft		10.0- ft		14.0- ft		18.0- ft		22.0- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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	***Extracted:***	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	
	Analyzed:	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	
	Units/RL:	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

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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

Analysis Requested													
	Lab Id:	679462-031		679462-032		679462-033		679462-034					
	Field Id:	CWSE-33		CWSW-29		CWSNW		CWSNE					
	Depth:	2.0- ft		2.0- ft		2.0- ft		2.0- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	12.01.2020 14:00		12.01.2020 13:40		12.01.2020 15:20		12.01.2020 15:25					
BTEX by EPA 8021B	***Extracted:***	12.02.2020 13:15		12.02.2020 13:15		12.02.2020 13:15		12.02.2020 13:15					
	Analyzed:	12.02.2020 23:04		12.02.2020 23:26		12.02.2020 23:49		12.03.2020 00:11					
	Units/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	<0.00199	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	***Extracted:***	12.02.2020 18:09		12.02.2020 18:09		12.02.2020 18:09		12.02.2020 18:09					
	Analyzed:	12.03.2020 18:36		12.03.2020 18:54		12.03.2020 19:01		12.03.2020 19:19					
	Units/RL:	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	***Extracted:***	12.02.2020 16:00		12.02.2020 16:00		12.02.2020 16:00		12.02.2020 16:00					
	Analyzed:	12.02.2020 23:41		12.03.2020 00:01		12.03.2020 00:21		12.03.2020 00:41					
	Units/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	<49.8	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				

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Jessica Kramer

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Analytical Report 679462

for

SDR Enterprise

Project Manager: John Fergerson

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)

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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

Jessica Kramer
Project Manager

A Small Business and Minority Company

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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

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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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Certificate of Analytical Results 679462

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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Certificate of Analytical Results 679462

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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Certificate of Analytical Results 679462

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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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:	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 16:28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 16:28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 16:28	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 16:28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 16:28	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 16:28	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 16:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 16:28	
1,4-Difluorobenzene	540-36-3	106	%	70-130	12.02.2020 16:28	

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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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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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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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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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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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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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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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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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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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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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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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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:	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 18:43	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 18:43	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 18:43	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 18:43	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 18:43	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 18:43	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 18:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	12.02.2020 18:43	
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.02.2020 18:43	

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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:	**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:	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 19:05	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 19:05	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 19:05	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 19:05	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 19:05	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 19:05	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 19:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	12.02.2020 19:05	
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 19:05	

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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-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:	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 19:27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.02.2020 19:27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.02.2020 19:27	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.02.2020 19:27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.02.2020 19:27	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.02.2020 19:27	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.02.2020 19:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	122	%	70-130	12.02.2020 19:27	
1,4-Difluorobenzene	540-36-3	103	%	70-130	12.02.2020 19:27	

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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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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:	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 20:47	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.02.2020 20:47	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.02.2020 20:47	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.02.2020 20:47	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.02.2020 20:47	U	1
Total Xylenes	1330-20-7	<0.002020	0.002020	mg/kg	12.02.2020 20:47	U	1
Total BTEX		<0.002020	0.002020	mg/kg	12.02.2020 20:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	12.02.2020 20:47	
4-Bromofluorobenzene	460-00-4	116	%	70-130	12.02.2020 20:47	

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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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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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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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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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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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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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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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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				
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 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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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-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:	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 22:39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 22:39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 22:39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 22:39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 22:39	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 22:39	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 22:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	12.02.2020 22:39	
1,4-Difluorobenzene	540-36-3	105	%	70-130	12.02.2020 22:39	

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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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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				
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 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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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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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:	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 23:24	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 23:24	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 23:24	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 23:24	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 23:24	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 23:24	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 23:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 23:24	
4-Bromofluorobenzene	460-00-4	121	%	70-130	12.02.2020 23:24	

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Solaris- Lobo to Eddy State ARV Release

Sample Id:	**CFS-70**	Matrix:	Soil	Date Received:	12.02.2020 08:43
Lab Sample Id:	679462-019	Date Collected:	11.30.2020 14:40	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	**154**	10.0	mg/kg	12.03.2020 16:26		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	12.03.2020 02:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	12.03.2020 02:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	12.03.2020 02:20	U	1
Total TPH	PHC635	<50.30	50.30	mg/kg	12.03.2020 02:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	12.03.2020 02:20	
o-Terphenyl	84-15-1	115	%	70-135	12.03.2020 02:20	

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Solaris- Lobo to Eddy State ARV Release

Sample Id:	**CFS-70**	Matrix:	Soil	Date Received:	12.02.2020 08:43
Lab Sample Id:	679462-019	Date Collected:	11.30.2020 14:40	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 23:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 23:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 23:47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.02.2020 23:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 23:47	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 23:47	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 23:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	119	%	70-130	12.02.2020 23:47	
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 23:47	

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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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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:	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	12.03.2020 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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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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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:	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 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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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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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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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	

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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:	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 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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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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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:	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 19:54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.02.2020 19:54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.02.2020 19:54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.02.2020 19:54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.02.2020 19:54	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	12.02.2020 19:54	U	1
Total BTEX		<0.001990	0.001990	mg/kg	12.02.2020 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	12.02.2020 19:54	
4-Bromofluorobenzene	460-00-4	97	%	70-130	12.02.2020 19:54	

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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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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:	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	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.02.2020 20:16	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.02.2020 20:16	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	12.02.2020 20:16	U	1
Total BTEX		<0.001980	0.001980	mg/kg	12.02.2020 20:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	12.02.2020 20:16	
1,4-Difluorobenzene	540-36-3	102	%	70-130	12.02.2020 20:16	

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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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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:	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	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.02.2020 20:38	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.02.2020 20:38	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	12.02.2020 20:38	U	1
Total BTEX		<0.002010	0.002010	mg/kg	12.02.2020 20:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	12.02.2020 20:38	
4-Bromofluorobenzene	460-00-4	99	%	70-130	12.02.2020 20:38	

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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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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				
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 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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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	

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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:	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 21:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.02.2020 21:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.02.2020 21:23	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.02.2020 21:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.02.2020 21:23	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	12.02.2020 21:23	U	1
Total BTEX		<0.002000	0.002000	mg/kg	12.02.2020 21:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	12.02.2020 21:23	
1,4-Difluorobenzene	540-36-3	100	%	70-130	12.02.2020 21:23	

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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				
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 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	

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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:	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: 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 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				
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	12.03.2020 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	

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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

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QC Summary 679462

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3143892 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716286-1-BLK — LCS Sample Id: 7716286-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143893 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716287-1-BLK — LCS Sample Id: 7716287-1-BKS — 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 — Prep Method: E300P
Seq Number: 3143892 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-001 — MS Sample Id: 679462-001 S — 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 — Prep Method: E300P
Seq Number: 3143892 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-011 — MS Sample Id: 679462-011 S — 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 — Prep Method: E300P
Seq Number: 3143893 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-021 — MS Sample Id: 679462-021 S — 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 — Prep Method: E300P
Seq Number: 3143893 — Matrix: Soil — Date Prep: 12.02.2020
Parent Sample Id: 679462-031 — MS Sample Id: 679462-031 S — 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 — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 679462

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SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3143798 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716293-1-BLK — LCS Sample Id: 7716293-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143799 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716294-1-BLK — LCS Sample Id: 7716294-1-BKS — 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 — Prep Method: SW8015P
Seq Number: 3143798 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716293-1-BLK

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 — Prep Method: SW8015P
Seq Number: 3143799 — Matrix: Solid — Date Prep: 12.02.2020
MB Sample Id: 7716294-1-BLK

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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 679462

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **TPH By SW8015 Mod** Prep Method: SW8015P
Seq Number: 3143798 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-001 MS Sample Id: 679462-001 S 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** Prep Method: SW8015P
Seq Number: 3143799 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-021 MS Sample Id: 679462-021 S 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** Prep Method: SW5035A
Seq Number: 3143771 Matrix: Solid Date Prep: 12.02.2020
MB Sample Id: 7716289-1-BLK LCS Sample Id: 7716289-1-BKS 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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QC Summary 679462

SDR Enterprise

Solaris- Lobo to Eddy State ARV Release

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3143773 Matrix: Solid Date Prep: 12.02.2020
MB Sample Id: 7716291-1-BLK LCS Sample Id: 7716291-1-BKS 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** Prep Method: SW5035A
Seq Number: 3143771 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-001 MS Sample Id: 679462-001 S 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** Prep Method: SW5035A
Seq Number: 3143773 Matrix: Soil Date Prep: 12.02.2020
Parent Sample Id: 679462-021 MS Sample Id: 679462-021 S 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 [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference 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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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: 679462

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.2	
Total Containers:	34	Corrected Temperature:	3.0	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-51	S	11/30/20	0950	2.0'	Comp	1		✓	✓	✓	
CWSE-53	S	11/30/20	0955	2.0'	Comp	1		✓	✓	✓	
CWSE-55	S	11/30/20	1000	2.0'	Comp	1		✓	✓	✓	
CWSE-57	S	11/30/20	1005	2.0'	Comp	1		✓	✓	✓	
CWSE-59	S	11/30/20	1010	2.0'	Comp	1		✓	✓	✓	
CWSW-62	S	11/30/20	1300	2.0	Comp	1		✓	✓	✓	
CWSW-64	S	11/30/20	1305	2.0'	Comp	1		✓	✓	✓	
CWSW-66	S	11/30/20	1310	2.0'	Comp	1		✓	✓	✓	
CWSW-68	S	11/30/20	1320	2.0'	Comp	1		✓	✓	✓	
CFS-61	S	11/30/20	1325	4.0'	Comp	1		✓	✓	✓	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
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 SiO_2 Na Sr Tl 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

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
1	Cue Cutlon	12/1/20 0843	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Final 1.001
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Released to Imaging: 11/16/2021 8:06:05 AM

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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: 679462

www.xenco.com Page 2 of 4

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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CFS-62	S	11/30/20	1330	4.0'	Comp	1		✓	✓	✓	
CFS-63	S	11/30/20	1335	4.0'	Comp	1		✓	✓	✓	
CFS-64	S	11/30/20	1340	4.0'	Comp	1		✓	✓	✓	
CFS-65	S	11/30/20	1345	4.0'	Comp	1		✓	✓	✓	
CFS-66	S	11/30/20	1350	4.0'	Comp	1		✓	✓	✓	
CFS-67	S	11/30/20	1355	4.0'	Comp	1		✓	✓	✓	
CFS-68	S	11/30/20	1430	4.0'	Comp	1		✓	✓	✓	
CFS-69	S	11/30/20	1435	4.0'	Comp	1		✓	✓	✓	
CFS-70	S	11/30/20	1440	4.0'	Comp	1		✓	✓	✓	
CWSE-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 SiO_2 Na Sr Tl 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

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
1	Cruz Cuttera	12/2/20 0843	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
Released to Imaging: 11/16/2021 8:06:05 AM
Final 1.001
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Chain of Custody

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Work Order No: 6794467

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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

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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-63	S	11/30/20	1450	2.0'	Comp	1		✓	✓	✓	
CWSE-65	S	11/30/20	1455	2.0'	Comp	1		✓	✓	✓	
CWSE-69	S	11/30/20	1500	2.0'	Comp	1		✓	✓	✓	
CWSE-67	S	11/30/20	1505	2.0'	Comp	1		✓	✓	✓	
CWSW-70	S	12/1/20	0925	2.0'	Comp	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1405	6.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1410	10.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1415	14.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1420	18.0'	Grab	1		✓	✓	✓	
CFS-Hill	S	12/1/20	1425	22.0	Grab	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 SiO_2 Na Sr Tl 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

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
1	Cloe Cuffaro	12/2/20 0543	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
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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: 679462

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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

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	Turn Around	☑ Routine ☐ 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.Fergerson		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	See Page 1	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0	Sample Comments
CWSE-33	S	12/1/20	1400	2.0'	Comp	1		✓	✓	✓	
CWSW-29	S	12/1/20	1340	2.0'	Comp	1		✓	✓	✓	
CWSNW	S	12/1/20	1520	2.0'	Comp	1		✓	✓	✓	
CWSNE	S	12/1/20	1525	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 SiO_2 Na Sr Tl 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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1	Cloe Cuffaro	12/2/20 0843	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM
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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 Fergerson

JKramer

Authorized for release by:
5/10/2021 10:43:08 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

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.

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Definitions/Glossary

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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.
¤	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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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.

Client Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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
OII 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*

Client Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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
OII 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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release SDG: 1000ENV

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
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 %Recovery*	*LCS Qualifier*	*Limits*
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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 %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release SDG: 1000ENV

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

Lab Sample ID: MB 880-2794/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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
OII 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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: CWSE-38**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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		

QC Sample Results

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release SDG: 1000ENV

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

Lab Sample ID: 890-615-1 MS **Client Sample ID: CWSE-38**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: CWSE-38**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 2814 **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 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2743

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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2743

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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 2743

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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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

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

Lab Chronicle

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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

Method Summary

Client: SDR Enterprises, LLC. Job ID: 890-615-1
Project/Site: Solaris-Lobo to Eddy State ARV Release 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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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: _____

www.xenco.com Page 1 of 1

Project Manager:	John Fergerson	Bill to: (if different)	Rob Kirk
Company Name:	SDR Enterprises LLC	Company Name:	Solaris Water Midstream
Address:	6222 S Bronco Drive	Address:	
City, State ZIP:	Hobbs, NM 88240	City, State ZIP:	
Phone:	(432) 638-7333	Email:	jfergerson@sdrenterprises.com rob.kirk@solarismidstream.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	Turn Around	
Project Number:	1000ENV	☑ 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	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T_NM_007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	9.8
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	9.6
Total Containers:		Corrected Temperature:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH (GRO+DRO+MRO) 8015M	Chloride EPA 300.0
CWSE-38	S	5/4/21	1150	2.0'	Comp	1				✓
CWSW-38	S	5/4/21	1155	2.0'	Comp	1				✓
CWSW-4C	S	5/4/21	1200	2.0'	Comp	1				✓

ANALYSIS REQUEST

890-615 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 SiO_2 Na Sr Tl 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

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
1	Gabby Gardner	5/14/21 13:14	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/30/2021 11:23:10 AM

Released to Imaging: 11/16/2021 8:06:05 AM

5/10/2021

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Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-199 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-615-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 5/10/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Solaris-Lobo to Eddy State ARV Release	Project #: 89000054			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CWSE-38 (890-615-1)	5/4/21	11 50 Mountain		Solid			X	1	
CWSW-38 (890-615-2)	5/4/21	11 55 Mountain		Solid			X	1	
CWSW-46 (890-615-3)	5/4/21	12 00 Mountain		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by		Date		Time		Method of Shipment:	
Relinquished by: Gabby Ordaz	Date/Time: 5/4/21	Company	Received by:		Date/Time: 5-5-21 1:00PM	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 11/01/2020

Received by OCD: 7/30/2021 11:23:10 AM

Released to Imaging: 11/16/2021 8:06:05 AM

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Bottle Order Information

Bottle Order:
Bottle Order #:
Request From Client. 5/4/2021
Date Order Posted:
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 #:

Sets	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:

Preservative | Comment

Relinquished By	Company	Date	Time	Received By	Company	Seal #:
		5/4/21	11:11			Seal #:
						Seal #:
Relinquished By	Company	Date	Time	Received By	Company	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.

Received by OCD: 7/30/2021 11:23:10 AM

5/10/2021

Released to Imaging: 11/16/2021 8:06:05 AM

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").		

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	

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 38917

CONDITIONS

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	371643
	Action Number: 38917
	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.	11/16/2021