| <u>District 1</u> 1625 N French Dr Hobbs NM 88240 <u>District II</u> 811 S First St Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road Aztec NM 87410 <u>District IV</u> 1220 S St Francis Dr Santa Fe NM 87505 | Instruct IState of New Mexico625 N French Dr Hobbs NM 88240Energy Minerals and Natural ResourcesInstruct IIDepartment11 S First St Artesia, NM 88210DepartmentInstruct IIIOil Conservation Division000 Rio Brazos Road Aztec NM 874101220 South St Francis DrVastruct IVSanta Fe NM 87505220 S St Francis Dr Santa Fe NM 87505Santa Fe NM 87505 | | | | |
|---|---|---|--|--|--|
| Proposed Altern | Pit, Below-Grade Tank, or ative Method Permit or Closure F | Plan Application | | | |
| Type of action Below gr Permit of Closure of Modifica or proposed alternative method | ade tank registration F a pit or proposed alternative method of a pit below grade tank or proposed alternation tion to an existing permit/or registration plan only submitted for an existing permitted or a | ive method r non permitted pit below grade tank | | | |
| Instructions Please submit one of Please be advised that approval of this request does not re environment. Nor does approval relieve the operator of it | application (Form C 144) per individual pit below elieve the operator of liability should operations result i ts responsibility to comply with any other applicable go | grade tank or alternative request in pollution of surface water ground water or the overnmental authority s rules regulations or ordinances | | | |
| 1 Operator <u>Burlington Resources Oil & Gas Comp</u> | any, LPOGRID #14538 | OIL CONS DIV DIST 3 | | | |
| Address PO BOX 4289, Farmington, NM 8749 Facility or well name SAN JUAN 29 7 UNIT 52 API Number 30 039 07664 U/L or Qtr/Qtr H Section 7 Center of Proposed Design Latitude Surface Owner Federal | OCD Permit Number Township <u>29N</u> Range <u>7W</u> Co <u>N</u> Longitude <u>107 60645</u> <u>W</u> NAD Tribal Trust or Indian Allotment | MAR 2 9 2017 | | | |
| 2 Image: Pit Subsection F G or J of 19151711 NML Temporary Image: Drilling Image: Permanent Emergency Image: Permanent Emergency Image: Distribution Permanent Image: Distribution Image: Distribution | AC X I Multi Well Fluid Management I Multi Well Fluid Management I Multi I LLDPE I HDPE I PVC I Other Volumebbl Dim | how notfice tion Not provided Low Chloride Drilling Fluid [] yes [] no | | | |
| 3 Image: Secondary containment with leak detection Image: Secondary containment with leak detection <t< td=""><td>11 NMAC of fluid Produced Water </td><td>overflow shut off</td></t<> | 11 NMAC of fluid Produced Water | overflow shut off | | | |
| Alternative Method Submittal of an exception request is required Exce | eptions must be submitted to the Santa Fe Environm | nental Bureau office for consideration of approval | | | |
| 5 Fencing Subsection D of 19 15 17 11 NMAC (Ap) Chain link six feet in height, two strands of bar institution or church) Four foot height four strands of barbed wire evon Alternate Please specify | plies to permanent pits temporary pits and below g bed wire at top (Required if located within 1000 feet enly spaced between one and four feet | grade tanks) t of a permanent residence school hospital | | | |

57

| 6 Netting Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) Sereen Disting Other | |
|---|--------------------|
| Monthly inspections (If netting or screening is not physically feasible) | |
| 7 | |
| Signs Subsection C of 19 15 17 11 NMAC | |
| \square 12 x 24 2 lettering providing Operator s name site location and emergency telephone numbers | |
| Signed in compliance with 19 15 16 8 NMAC | |
| 8 Variances and Exceptions | |
| Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance | |
| Please check a box if one or more of the following is requested if not leave blank User Variance(s) Requests must be submitted to the appropriate division district for consideration of approval | |
| Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval | |
| | |
| 9 <u>Siting Criteria (regarding permitting)</u> 19 15 17 10 NMAC | |
| Instructions The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accel material are provided below Siting criteria does not apply to drying pads or above grade tanks | ptable source |
| <u>General siting</u> | |
| Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below grade tank. NM Office of the State Engineer WATERS database search USGS Data obtained from nearby wells | □ Yes □ No ⊠ NA |
| Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi Well Fluid Management pit. NM Office of the State Engineer WATERS database search USGS Data obtained from nearby wells | Yes No |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978 Section 3 27 3 as amended (Does not apply to below grade tanks) Written confirmation or verification from the municipality Written approval obtained from the municipality | 🗌 Yes 🗌 No |
| Within the area overlying a subsurface mine (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD Mining and Mineral Division | 🗋 Yes 🗌 No |
| Within an unstable area (Does not apply to below grade tanks) Engineering measures incorporated into the design NM Bureau of Geology & Mineral Resources USGS NM Geological Society Topographic map | 🗌 Yes 🗌 No |
| Within a 100 year floodplain (Does not apply to below grade tanks) FEMA map | Yes 🗌 No |
| Below Grade Tanks | |
| Within 100 feet of a continuously flowing watercourse significant watercourse lake bed sinkhole wetland or playa lake (measured | |
| from the ordinary high water mark) Topographic map Visual inspection (certification) of the proposed site | |
| Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption NM Office of the State Engineer IWATERS database search Visual inspection (certification) of the proposed site | 🛛 Yes 🛛 No |
| Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15 000 mg/liter) | |
| Within 100 feet of a continuously flowing watercourse or any other significant watercourse or within 200 feet of any lakebed sinkhole or playa lake (measured from the ordinary high water mark) (Applies to low chloride temporary pits) Topographic map Visual inspection (certification) of the proposed site | 🗋 Yes 🗌 No |
| Within 300 feet from a occupied permanent residence school hospital institution or church in existence at the time of initial application | 🗋 Yes 🗌 No |
| Visual inspection (certification) of the proposed site Aerial photo Satellite image | |
| Within 200 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes or 300feet of any other fresh water well or spring in existence at the time of the initial application NM Office of the State Engineer IWATERS database search Visual inspection (certification) of the proposed site | 🗌 Yes 🗌 No |
| | |

| Within 100 feet of a wetland US Fish and Wildlife Wetland Identification map Topographic map Visual inspection (certification) of the proposed site | Yes No | | | | | |
|--|--------------|--|--|--|--|--|
| Temporary Pit Non-low chloride drilling fluid | | | | | | |
| Within 300 feet of a continuously flowing watercourse or any other significant watercourse or within 200 feet of any lakebed sinkhole or playa lake (measured from the ordinary high water mark) Topographic map Visual inspection (certification) of the proposed site | Yes 🗌 No | | | | | |
| Within 300 feet from a permanent residence school hospital institution or church in existence at the time of initial application Visual inspection (certification) of the proposed site Aerial photo Satellite image | 🗌 Yes 🗌 No | | | | | |
| 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 or 1000 feet of any other fresh water well or spring in the existence at the time of the initial application NM Office of the State Engineer iWATERS database search Visual inspection (certification) of the proposed site | Yes 🗌 No | | | | | |
| Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map Topographic map Visual inspection (certification) of the proposed site | Yes 🗍 No | | | | | |
| Permanent Pit or Multi-Well Fluid Management Pit | | | | | | |
| Within 300 feet of a continuously flowing watercourse or 200 feet of any other significant watercourse or lakebed sinkhole or playa | | | | | | |
| Topographic map Visual inspection (certification) of the proposed site | 🗌 Yes 🗌 No | | | | | |
| Within 1000 feet from a permanent residence school hospital institution or church in existence at the time of initial application Visual inspection (certification) of the proposed site Aerial photo Satellite image | 🗌 Yes 🗌 No | | | | | |
| Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes in existence at the time of initial application | | | | | | |
| NM Office of the State Engineer 1WATERS database search Visual inspection (certification) of the proposed site | | | | | | |
| Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map Topographic map Visual inspection (certification) of the proposed site | Yes 🗌 No | | | | | |
| 10 Temporary Pits, Emergency Pits, and Below grade Tanks Permit Application Attachment Checklist Subsection B of 19 15 17 9 M | JMAC | | | | | |
| Instructions Each of the following items must be attached to the application. Please indicate by a check mark in the box, that the do attached. | cuments are | | | | | |
| Hydrogeologic Report (Below grade Tanks) based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9 Siting Criteria Compliance Demonstrations based upon the appropriate requirements of 19 15 17 10 NMAC |) NMAC | | | | | |
| Design Plan based upon the appropriate requirements of 19 15 17 11 NMAC Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC | 1 | | | | | |
| Closure Plan (Please complete Boxes 14 through 18 if applicable) based upon the appropriate requirements of Subsection C of 19 and 19 15 17 13 NMAC | 15 17 9 NMAC | | | | | |
| Previously Approved Design (attach copy of design) API Number or Permit Number | | | | | | |
| ¹¹ <u>Multi Well Fluid Management Pit Checklist</u> Subsection B of 1915179 NMAC Instructions Each of the following items must be attached to the application. Please indicate by a check mark in the box, that the do attached. | cuments are | | | | | |
| Design Plan based upon the appropriate requirements of 19 15 17 11 NMAC Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC A List of wells with approved application for permit to drill associated with the pit Closure Plan (Please complete Boxes 14 through 18 if applicable) based upon the appropriate requirements of Subsection C of 19 | 15 17 9 NMAC | | | | | |
| and 19 15 17 13 NMAC Hydrogeologic Data based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations based upon the appropriate requirements of 19 15 17 10 NMAC | | | | | | |
| Previously Approved Design (attach copy of design) API Number or Permit Number | | | | | | |
| | | | | | | |

| Instructions Each of the following items must be attached to the application. Please indicate by a check mark in the box that the documents are attached. Hydrogeologic Report based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations based upon the appropriate requirements of 19 15 17 10 NMAC Climatological Factors Assessment Certified Engineering Design Plans based upon the appropriate requirements of 19 15 17 11 NMAC Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Kuisance or Hazardous Odors including H ₂ S Prevention Plan Emergency Response Plan |
|---|
| attached. Hydrogeologic Report based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations based upon the appropriate requirements of 19 15 17 10 NMAC Climatological Factors Assessment Certified Engineering Design Plans based upon the appropriate requirements of 19 15 17 11 NMAC Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19 15 17 11 NMAC Leak Detection Design based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 11 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H ₂ S Prevention Plan Emergency Response Plan |
| Hydrogeologic Report based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC Siting Criteria Compliance Demonstrations based upon the appropriate requirements of 19 15 17 10 NMAC Climatological Factors Assessment Certified Engineering Design Plans based upon the appropriate requirements of 19 15 17 11 NMAC Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19 15 17 11 NMAC Leak Detection Design based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Shing Criteria Compliance Demonstrations' based upon the appropriate requirements of 19 15 17 11 NMAC Climatological Factors Assessment Certified Engineering Design Plans based upon the appropriate requirements of 19 15 17 11 NMAC Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19 15 17 11 NMAC Leak Detection Design based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Muisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Certified Engineering Design Plans based upon the appropriate requirements of 19 15 17 11 NMAC Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19 15 17 11 NMAC Leak Detection Design based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Dike Protection and Structural Integrity Design based upon the appropriate requirements of 19 15 17 11 NMAC Leak Detection Design based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Leak Detection Design based upon the appropriate requirements of 19 15 17 11 NMAC Liner Specifications and Compatibility Assessment based upon the appropriate requirements of 19 15 17 11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Operating and Maintenance Plan based upon the appropriate requirements of 19 15 17 12 NMAC Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Freeboard and Overtopping Prevention Plan based upon the appropriate requirements of 19 15 17 11 NMAC Nuisance or Hazardous Odors including H₂S Prevention Plan Emergency Response Plan |
| Emergency Response Plan |
| |
| Oil Field Waste Stream Characterization |
| Monitoring and Inspection Plan |
| Closure Plan based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC |
| |
| Proposed Closure 19 15 17 13 NMAC |
| Instructions Please complete the applicable boxes Boxes 14 through 18 in regards to the proposed closure plan. |
| Type 🗋 Drilling 🗋 Workover 🗋 Emergency 🗋 Cavitation 🗋 P&A 📄 Permanent Pit 📑 Below grade Tank 🗋 Multi well Fluid Management Pit |
| |
| Proposed Closure Method X Waste Excavation and Removal Waste Removal (Closed loop systems only) |
| On site Closure Method (Only for temporary pits and closed loop systems) |
| In place Burnal On site Trench Burnal |
| Alternative Closure Method |
| ¹⁴ Waste Excavation and Removal Closure Plan Checklist (19 15 17 13 NMAC) Instructions Each of the following items must be attached to the |
| closure plan Please indicate by a check mark in the box, that the documents are attached. |
| Protocols and Procedures based upon the appropriate requirements of 19 15 17 13 NMAC |
| Confirmation Sampling Plan (if applicable) based upon the appropriate requirements of Subsection C of 19 15 17 13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) |
| Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC |
| Re vegetation Plan based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC |
| X Site Reclamation Plan based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC |
| 15 |
| Siting Criteria (regarding on site closure methods only) 19 15 17 10 NMAC |
| provided below Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency Please refer to |
| 19 15 17 10 NMAC for guidance. |
| |
| Ground water is less than 25 feet below the bottom of the buried waste NM Office of the State Engineer UWATERS database search USGS Data obtained from nearby wells |
| |
| NM Office of the State Engineer IWATERS database search USGS Data obtained from nearby wells |
| Converting the part of the balance of the burged weets $\nabla V = \nabla V = \nabla V$ |
| NM Office of the State Engineer 1WATERS database search USGS Data obtained from nearby wells |
| Within 100 feet of a continuously flowing watercourse or 200 feet of any other significant watercourse lakehed sinkhole or playa \Box Vac \Box Na |
| lake (measured from the ordinary high water mark) |
| Topographic map Visual inspection (certification) of the proposed site |
| Within 300 feet from a permanent residence school hospital institution or church in existence at the time of initial application |
| Visual inspection (certification) of the proposed site Aerial photo Satellite image |
| Within 300 horizontal feet of a private domestic fresh water well or spring used for domestic or stock watering purposes in existence Yes No |
| at the time of initial application |
| NM Office of the State Engineer IWATERS database Visual inspection (certification) of the proposed site |
| Written confirmation or verification from the municipality Written approval obtained from the municipality 1 Yes 🗌 No |
| Within 300 feet of a wetland |
| US Fish and Wildlife Wetland Identification map Topographic map Visual inspection (certification) of the proposed site |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance |
| Form C 144 Oil Conservation Division Page 4 of 6 |

| adopted pursuant to MMSA 1978 Section 3 27.3 as anneeded Writen approval obtained from the numericality Yet = No Within the area overfroute subburdies more may from the NM EMNRD Mining and Mineral Davision Peter No Yet = No Within the area overfroute subburdies more may from the NM EMNRD Mining and Mineral Davision Peter No Peter No Within an unstable area. Experiment presents: necroported unto the design NM Bureau of Geology & Mineral Resources USGS NM Geological Society. Topographic map. Yet = No Within an 100 yeter floadplan Peter No Yet = No FMA map Peter No Yet = No Within an 100 yeter floadplan Peter No Yet = No To State Clearce Flan Checklust (1015 1711 NMAC) International Each of the following item must be attached to the closure plan. Please indicate for the proport are requirements of 1915 171 NMAC Proof of State Clearce Flan Checklust (1015 1711 NMAC) International Each of the photopast requirements of 1915 171 NMAC Proof of State Clearce Flan Checklust NMAC Construction/Design Flan of Theoring Third for mapping and requirements of 1915 171 NMAC Provide State State Clearce Flan Each of the appropriate requirements of 1915 171 NMAC Construction/Design Flan of Theoring Third for mapping and requirements of 1915 171 NMAC Provide State State State State Each of the appropriate requirements of Statescent Hore 1915 171 NMAC See Kelanitation Plan Labeed upon t | | | | | | | | |
|--|---|-------------------------------------|--|--|--|--|--|--|
| Within Garao overlying a suburdice more Writin configuetion or map from the NM EMNRD Mining and Mineral Division Image: Note of the State of the State of the State of State of State of State of the State o | adopted pursuant to NMSA 1978 Section 3 27 3 as amended Written confirmation or verification from the municipality Written approval obtained from the municipality | 🗌 Yes 🗌 No | | | | | | |
| Within a undashe area Engineering measures uncorporated into the design NM Bureau of Geology & Muneral Resources USGS NM Geological \responses Within a 100 year of hoodplan \responses \responses \responses Within a 100 year of hoodplan \responses \responses \responses Within a 100 year of hoodplan \responses \responses \responses \responses If the Addition of the Addit | Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD Mining and Mineral Division | 🗌 Yes 🗍 No | | | | | | |
| Bigneting instants into ported into the design from bureau of reduces a whitelat do reduces and the second seco | Within an unstable area | | | | | | | |
| Within a 100 year floodplan TEMA map Image: Ima | Society Topographic map | Yes 🗌 No | | | | | | |
| Sector Closure Plan Checklist (19 15 17 13 NMAC) Instructions Each of the following items must be attached to the closure plan. Please indicate by a check mark in the box, flat the documents are elitiched. Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of Subsection B of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of Subsection B of 19 15 17 11 NMAC Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of 19 15 17 13 NMAC Construction/Design Plan of Burial Trench (Tappicable) based upon the appropriate requirements of 19 15 17 13 NMAC Subsection Plan based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Subsection Plan based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Subsection Plan based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC Subsectify that the information submitted with this application is true accurate and complete to the best of my knowledge and belief Name (Print) Tute Signature Date Telephone CD permit Applicate (Including closure Plan Fernity) OCD Conditions (see attachment) For Applicate Including closure Plan Fernity Number CD permit Applicate (Including closure Plan Plan For 17 13 NMAC Signature Date Signature Date Constructions or signature Constructions and approved closure plan pro to implementing any closure activities and submitting the closure export Signature Consert Report I required bo submitting the clos | Within a 100 year floodplain FEMA man | Yes 🗌 No | | | | | | |
| Disc Closure Plan Checkhar (19 15 17 13 NMAC) Instructions Each of the following items must be attached to the closure plan. Please indicate by a check mark in the box, that the documents are attached. Image: Closure Compliance Demonstrations based upon the appropriate requirements of 19 15 17 13 NMAC Image: Closure Compliance Demonstrations based upon the appropriate requirements of 19 15 17 13 NMAC Image: Closure Composition Closure Description of a dying god) based upon the appropriate requirements of 19 15 17 13 NMAC Image: Closure C | | | | | | | | |
| Derrator Application Certification Thereby certify that the information submitted with this application is true accurate and complete to the best of my knowledge and belief Name (Print) | 16 On Site Closure Plan Checklist (19 15 17 13 NMAC) Instructions Each of the following items must be attached to the closure plan. Please indicate by a check mark in the box, that the documents are attached. | | | | | | | |
| I hereby certify that the information submitted with this application is true accurate and complete to the best of my knowledge and belief Name (Print) | 17 Operator Application Certification | | | | | | | |
| Name (Print) Title Signature Date e mail address Telephone "COD Approval Permit Application (including closure plant of the closure Plan (onty) OCD Conditions (see attachment) OCD Approval Permit Application (including closure plant of the closure Plan (onty) OCD Conditions (see attachment) Tritle Approval Date 3/30/2011 Tritle OCD Permit Number | I hereby certify that the information submitted with this application is true accurate and complete to the best of my knowledge and beli | ıef | | | | | | |
| Signature Date e mail address Telephone "B Telephone "B Approval "CDO Approval Permit Application functuding closure plant of the closure Plan (onty) OCD Conditions (see attachment) OCD Representative Signature Approval Date 3/30/2011 Title OCD Permit Number | Name (Print) | | | | | | | |
| e mail address Telephone | | | | | | | | |
| 18 OCD Approval Permit Applicatify (including closure plan (or or y)) OCD Conditions (see attachment) Fight OCD Representative Signature Approval Date 3/30/2011 Title OCD Permit Number | Signature Date | | | | | | | |
| 19 Closure Report (required within 60 days of closure completion) 19 15 17 13 NMAC Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report is required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report is required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report is required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report is required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report is required to be submitted to the division within 60 days of the completion Date | Signature Date e mail address Telephone | | | | | | | |
| Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. 21 Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. 21 Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. 21 Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. 21 Closure Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. 21 Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. 21 Closure Notice (surface owner and division) Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on site closure for private land only) 22 Confirmation Sampling Analytical Results (required for on site closure) Disposal Facility Name and Permi | Signature Date e mail address Telephone 0CD Approval Permit Application (including closure plan) 0CD Representative Signature OCD Representative Signature Title OCD Permit Number | Tont- 012017_ | | | | | | |
| | Signature Date e mail address Telephone 18 OCD Approval OCD Approval Permit Application (including closure plan) OCD Representative Signature OCD Representative Signature Title OCD Permit Number | tiont- 12017 | | | | | | |
| 20 Closure Method Image: State Excavation and Removal in On Site Closure Method in Alternative Closure Method in Waste Removal (Closed loop systems only) If different from approved plan please explain 21 Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on site closure for private land only) Plot Plan (for on site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On site Closure Location Latitude N | Signature Date e mail address Telephone 18 Telephone 0CD Approval Permit Application (including closure plan) 0CD Representative Signature Approval OCD Conditions (see attachment) 0CD Representative Signature Approval Date 19 OCD Permit Number 19 Closure Report (required within 60 days of closure completion) 19 19 15 17 13 NMAC Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities and submitting | the closure report | | | | | | |
| 21 Closure Report Attachment Checklist Instructions Each of the following items must be attached to the closure report Please indicate by a check mark in the box, that the documents are attached. | Signature | the closure report complete this | | | | | | |
| | Signature Date e mail address Telephone 18 Telephone OCD Approval Permit Application (including closure plan) in Closure Plan (onty) OCD Conditions (see attachment) OCD Representative Signature Approval Date 3/34 Title OCD Permit Number | the closure report complete this | | | | | | |

Oil Conservation Division

5

22 Operator Closure Certification

I hereby certify that the information and attachments submitted with this closure report is true accurate and complete to the best of my knowledge and belief I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan

| Name (Print) | Crystal Walker | Title Regulatory Coordinator | | | |
|----------------|-------------------------------|------------------------------|------|-----------|--|
| Signature | Johal h | Valka | Date | 3/28/2017 | |
| e mail address | <u>crystal walker@cop com</u> | Telephone (505) 326 9837 | | | |

Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Closure Report

Lease Name San Juan 29 7 Unit 52 API No 30 039-07664

In accordance with Rule 19 15 17 13 NMAC the following information describes the closure of the below grade tank referenced above All proper documentation regarding closure activities is being included with the C 144

General Plan

BR shall close a below grade tank within 60 days of cessation of operations per Subsection G 4 of 19 15 17 13 NMAC This will include a) below grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19 15 17 11 NMAC or is not included in Paragraph (5) of Subsection I of 19 15 17 11 NMAC within five years if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19 15 17 11 NMAC b) an earlier date that the division requires because of imminent danger to fresh water public health or the environment For any closure BR will file the C144 Closure Report as required

The below grade tank referenced above was permitted and closed within 60 days of cessation of the below grade tanks operation

2 BR shall remove liquids and sludge from a below grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division approved facility. The facilities to be used will be Basin Disposal (Permit #NM 01 005) JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM 01 0010B) and Envirotech Land Farm (Permit #NM 01 011). The liner after being cleaned well (Subsection D. Paragraph 1. Subparagraph (m) of 19 15 9 712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

All recovered liquids were disposed of at Basin Disposal (Permit #NM 01 005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM 01 011) and JFJ Landfarm % IEI (Permit #NM 01 0010B) The liner was cleaned per Subsection D Paragraph 1 Subparagraph (m) of 19 15 9 712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100

3 BR will receive prior approval to remove the below grade tank and dispose of it in a division approved facility or recycle reuse or reclaim it in a manner that the appropriate division district office approves

The below grade tank was disposed of in a division approved manner

4 If there is any on site equipment associated with a below grade tank then BR shall remove the equipment unless the equipment is required for some other purpose

All on site equipment associated with the below grade tank was removed

5 BR will test the soils beneath the below grade tank to determine whether a release has occurred BR shall collect at a minimum a five point composite sample collect individual grab samples from any area that is wet discolored or showing other evidence of a release and analyzed for the constituents listed in Table I of 19 15 17 13 NMAC COPC shall notify the division of its results on form C 141

1/24/2017

| Components | Tests Method | Limit (mg/kg) |
|------------|---------------------------|---------------|
| Benzene | EPA SW 846 8021B or 8260B | 0 2 |
| BTEX | EPA SW 846 8021B or 8260B | 50 |
| ТРН | EPA SW 846 418 1 | 100 |
| Chlorides | EPA 300 0 | 250 |

A five point composite sample was taken of the below grade tank using sampling tools and all samples tested per Subsection B of 19 15 17 1 3(B)(1)(b) (Sample results attached) Form C 141 is attached

6 If BR or the division determines that a release has occurred then BR shall comply with 19 15 3 116 NMAC and 19 15 1 19 NMAC as appropriate

A release was determined for the above referenced well

7 If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19 15 17 13 NMAC then BR shall backfill the excavation with compacted non waste containing earthen material construct a division prescribed soil cover recontour and re vegetate the site

The below grade tank area passed all requirements of Paragraph (4) of Subsection E of 19 15 17 13 NMAC and was backfilled with compacted non waste containing earthen material

- 8 Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally The notification of closure will include the following
 - Operator s name
 - II Location by Unit Letter Section Township and Range Well name and API number

Notification was not found

9 The surface owner shall be notified of BR s closing of the below grade tank 72 hours but not more than one week prior to closure as per the approved closure plan via certified mail return receipt requested

The closure process notification to the landowner was not found

10 Re contouring of location will match fit shape line form and texture of the surrounding Re shaping will include drainage control prevent ponding and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re contour shall have a uniform appearance with smooth surface fitting the natural landscape.

The below grade tank area was re contoured to match fit shape line form and texture of the surrounding area Re shaping including drainage control to prevent ponding and erosion Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale Final recontour has a uniform appearance with smooth surface fitting the natural landscape

11 BR shall seed the disturbed areas the first favorable growing season following closure of a below grade tank Seeding will be accomplished via drilling on the contour whenever practical or by other division approved methods BLM stipulated seed mixes will be used on federally regulated lands and division approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels excluding noxious weeds. If alternate seed mix is required by the state-private owner or tribe-it will be implemented with administrative approval if needed COPC will repeat seeding or planting will be continued until successful vegetative growth occurs

1/24/2017

Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU

12 A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300 0 to establish vegetation at the site or the background thickness of topsoil whichever is greater

The below grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site

- 13 All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below grade tank. Closure report will be filed on C 144 and incorporate the following
 - Soil Backfilling and Cover Installation (See Report)
 - Re vegetation application rates and seeding techniques (See Report)
 - Photo documentation of the site reclamation (Included as an attachment)
 - Confirmation Sampling Results (Included as an attachment)
 - Proof of closure notice (Missing)

District I 1625 N French Dr Hobbs NM 88240 District II 1301 W Grand Avenue 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

Form C 141 Revised August 8 2011

Oil Conservation Division 1220 South St Francis Dr Santa Fe NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19 15 29 NMAC

Release Notification and Corrective Action

| | OPERATOR | Initial Report | 🛛 Final Report |
|--|------------------------|-----------------|----------------|
| Name of Company Burlington Resources a Wholly Own | ed Contact Lisa Hunter | | |
| Subsidiary of ConocoPhillips Company | | | |
| Address 3401 East 30 th St Farmington, NM | Telephone No (505) 326 | 9786 | |
| Facility Name San Juan 29 7 Unit 52 | Facility Type Gas Well | | |
| | | | |
| Surface Owner Private Mineral O | wner Federal | API No 30039076 | 64 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|------------|---|
| Н | 07 | 29N | 07W | 1710 | North | 855 | East | Rio Arriba | _ |
| | | | | | | | | | |

Latitude 36 7429 Longitude 107 60585

NATURE OF RELEASE

| Type of Release Historic Hydrocarbon | Volume of Release Unknown | Volume Recovered 786 c/yds | | | | |
|---|--------------------------------------|----------------------------------|--|--|--|--|
| Source of Release Below Grade Tank Leak | Date and Hour of Occurrence | Date and Hour of Discovery | | | | |
| | Unknown | 02/27/14 | | | | |
| Was Immediate Notice Given? | If YES To Whom? | | | | | |
| 🗌 Yes 🔲 No 🖾 Not Required | n/a | | | | | |
| By Whom? n/a | Date and Hour n/a | | | | | |
| Was a Watercourse Reached? | If YES Volume Impacting the Wate | ercourse | | | | |
| 🗌 Yes 🖾 No | n/a | | | | | |
| If a Watercourse was Impacted Describe Fully * n/a | "I | | | | | |
| Describe Cause of Problem and Remedial Action Taken * Historical hydrocarbon impacted soil was found during an er condensate spill) | nvironmental assessment and rem | ioval of a leaking tank (1 8 BBL | | | | |
| Describe Area Affected and Cleanup Action Taken * Historical hydrocarbon impacted soil was found during an environmental assessment/remediation of a non reportable 1 8 BBL condensate spill The excavation was 45 x 45 x 10 in depth and 786 c/yds of soil was transported to IEI land farm and 786 c/yds of clean soil was transported from Aztec Machine Company and placed in the excavation site The soil sampling report is attached for review Backfilled excavation per authorization of Brandon Powell, NMOCD, May 5, 2014 | | | | | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as Final Report does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water surface water human health or the environment In addition NMOCD 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. | | | | | | |
| Signature for the | OIL CONSERV | ATION DIVISION | | | | |
| Printed Name Lisa Hunter | Approved by Environmental Specialisi | al_ | | | | |
| Title Field Environmental Specialist | Approval Date 330 DON I | Expiration Date | | | | |
| E mail Address Lisa Hunter@cop com | Conditions of Approval | Attached \Box | | | | |
| Date August 18 2014 Phone (505) 326 9786 | NCSH3095452 | | | | | |

* Attach Additional Sheets If Necessary



Animas Environmental Services LLC

www.animasenvironmental.com

624 E Comanche Farmington NM 87401 505 564-2281

> Durango Colorado 970 403 3084

August 11 2014

Lisa Hunter ConocoPhillips San Juan Business Unit Office 214 04 5525 Hwy 64 Farmington New Mexico 87401

Via electronic mail to <u>SJBUE Team@ConocoPhillips com</u>

RE Below Grade Tank Closure, Release Assessment, and Final Excavation Report San Juan 29 7 #52 Rio Arriba County, New Mexico

Dear Ms Hunter

On February 28 March 5 April 29 and May 2 2014 Animas Environmental Services LLC (AES) completed below grade tank (BGT) closure sampling a release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 29 7 #52 located in Rio Arriba County, New Mexico The release at the BGT consisted of approximately 1 8 barrels (bbl) of hydrocarbons and paraffin of which 1 bbl was recovered An initial release assessment was completed on February 28 2014 and the final excavation was completed by CoP contractors while AES was on location on April 29 2014

10 Site Information

11 Location

Site Name – San Juan 29 7 #52 Location – SE¼ NE¼ Section 7 T29N R7W Rio Arriba County New Mexico Well Head Latitude/Longitude – N36 74292 and W107 60656 respectively BGT/Release Location Latitude/Longitude – N36 74303 and W107 60645 respectively Land Jurisdiction – Private

Figure 1 Topographic Site Location Map

Figure 2 Aerial Site Map February 2014

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 2 of 9

12 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols action levels were established per NMOCD *Guidelines for Remediation of Leaks Spills and Releases* (August 1993) prior to site work The release was given a ranking score of 20 based on the following factors

- Depth to Groundwater A cathodic protection report form dated May 1991 reported depth to water at 110 feet below ground surface (bgs) (0 points)
- Wellhead Protection Area The release location is not within a wellhead protection area (0 points)
- Distance to Surface Water Body Approximately 165 feet to the south southeast is an unnamed ephemeral stream that drains into a livestock pond located approximately 195 feet east of the location (20 points)

13 Assessment

AES was initially contacted by Lisa Hunter CoP representative on February 24 2014 and on February 28 2014 Emilee Skyles and Anna Riling of AES traveled to the location Soil sampling consisted of collection of five soil samples from below the BGT Four samples were collected from the perimeter of the BGT footprint one sample was collected from the center of the BGT footprint and one sample was composited from the four perimeter samples and one center sample

On March 5 2014 AES personnel returned to the location to complete the release assessment field work The assessment included collection and field screening of 33 soil samples from 11 soil borings (SB 1 through SB 11) Based on field screening results AES recommended excavation of the release area Sample locations are shown on Figure 3

On April 29 2014 AES personnel returned to the location to collect confirmation soil samples of the excavation The field screening activities included collection of five confirmation soil samples (SC 1 through SC 5) of the walls and base of the excavation The final excavation measured approximately 61 feet by 40 by 12 feet in depth. The depth of the excavation was limited due to a confining shale unit around 12 feet bgs. A final confirmation soil sample (SC 6) from the base was collected on May 2 2014 following application of Quantum GrowthTM Sample locations and final excavation extents are presented on Figure 4

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 3 of 9

20 Soil Sampling

A total of 38 soil samples (S 1 through S 5 and SB 1 through SB 11) and 7 composite samples (BGT SC 1 and SC 1 through SC 6) were collected during the assessments All soil samples were field screened for volatile organic compounds (VOCs) and selected samples were analyzed for total petroleum hydrocarbon (TPH) All composite samples (BGT SC 1 and SC 1 through SC 6) collected were submitted for confirmation laboratory analysis

21 Field Sampling

211 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo ionization detector (PID) organic vapor meter (OVM) Before beginning field screening the PID OVM was first calibrated with 100 parts per million (ppm) isobutylene gas

212 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per U S Environmental Protection Agency (USEPA) Method 418 1 using a Buck Scientific Model HC 404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck) A 3 point calibration was completed prior to conducting soil analyses Field analytical protocol followed AES s Standard Operating Procedure Field Analysis Total Petroleum Hydrocarbons per EPA Method 418 1

213 Chlorides

Soil sample SC 1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate Sampling and analysis methods followed procedures provided by Hach Company

22 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new clean, laboratory supplied containers, which were then labeled placed on ice and logged onto sample chain of custody records Samples were maintained on ice until delivery to the analytical laboratory Hall Environmental Analysis Laboratory (Hall) in Albuquerque New Mexico Soil samples SC 1 through SC 6 were laboratory analyzed for

 TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D

In addition SC 4 SC 5 and SC 6 were also analyzed for

Benzene toluene ethylbenzene and xylene (BTEX) per USEPA Method 8021B

Composite soil sample BGT SC 1 was laboratory analyzed for

• Chlorides per USEPA Method 300 0

23 Field and Laboratory Analytical Results

On February 28 2014 BGT closure field screening results for VOCs via OVM ranged from 1 458 ppm in S 5 up to 3 218 ppm in S 1 Field TPH concentrations in all samples were greater than 2 300 mg/kg

On March 5 2014 initial assessment field screening readings for VOCs via OVM ranged from 0 1 ppm in SB 10 and SB 11 up to 3 340 ppm in SB 1 Field TPH concentrations ranged from less than 20 0 mg/kg in SB 10 and SB 11 to greater than 25 000 mg/kg in SB 3 and SB 4

Final excavation field screening results for VOCs via OVM ranged from 15 9 ppm in SC 2 up to 3 827 ppm in SC 5 Field TPH concentrations ranged from 46 5 mg/kg in SC 2 up to 1 770 mg/kg in SC 5 Field screening VOC and TPH results are summarized in Table 1 and on Figures 2 through 4 The AES field sampling reports are attached

| February through May 2014 | | | | | | | | |
|---------------------------|--------------------------------|-----------------------------|--------------------------|-------------------------|-------------------------------|--|--|--|
| Sample ID | Date Sampled | Sample Depth (ft bgs) | VOCs via OVM (ppm) | TPH 418 1 (mg/kg) | Field Chlorides (mg/kg) | | | |
| NMO (NMA | CD Action Lev AC 19 15 17 1 | rel* 3E) | NE/100 | 100 | 250/NE | | | |
| S 1 | 2/28/14 | 0 5 | 3,218 | >2 300 | NA | | | |
| S 2 | 2/28/14 | 0 5 | 2 661 | >2 300 | NA | | | |
| S 3 | 2/28/14 | 0 5 | 2 535 | >2 300 | NA | | | |
| S 4 | 2/28/14 | 0 5 | 2 392 | >2,300 | NA | | | |
| S 5 | 2/28/14 | 0 5 | 1 458 | >2,300 | NA | | | |
| BGT SC 1 | 2/28/14 | 0 5 | 2 375 | NA | 80 | | | |
| CD 1 | 2/5/14 | 6 25 | 2,771 | NA | NA | | | |
| 20.1 | 3/3/14 · | 8 5 | 3,340 | NA | NA | | | |
| | 3/5/14 | 0 5 | 179 | 512 | NA | | | |
| SB 2 | • | 3 | 75 9 | NA | NA | | | |

Table 1Soil Field Sampling VOCsTPH and Chloride ResultsSan Juan 29 7 #52 BGT ClosureRelease Assessment and Final Excavation









AES Field Sampling Report

Client ConocoPhillips

Project Location San Juan 29 7 #52

Date 2/28/2014

Matrix Soil

AES

Anim is Environment il Services ILC

www.animasenvironmental.com

624 E Coma che Farmingto NM 87401 505 564-2281

> D a go Colo ado 970 403 3084

| Sample ID | Collection Date | Time of Sample Collection | Sample Location | OVM (ppm) | Field Chloride (mg/kg) | TPH Analysis Time | TPH* (mg/kg) | TPH PQL (mg/kg) | DF | TPH Analysts Initials |
|-----------|--------------------|---------------------------------|--------------------|--------------|------------------------------|----------------------|-----------------|--------------------|----|-----------------------------|
| <u> </u> | 2/28/2014 | 10 15 | North | 3 218 | NA | 11 34 | >2 300 | 20 0 | 1 | AR |
| S 2 | 2/28/2014 | 10 16 | South | 2 661 | NA | 11 40 | >2 300 | 20 0 | 1 | AR |
| S 3 | 2/28/2014 | 10 17 | East | 2 535 | NA | 11 45 | >2 300 | 20 0 | 1 | AR |
| S 4 | 2/28/2014 | 10 18 | West | 2 392 | NA | 11 50 | >2 300 | 20 0 | 1 | AR |
| S 5 | 2/28/2014 | 12 57 | Center | 1 458 | NA | 13 11 | >2 300 | 20 0 | 1 | AR |
| SC 1 | 2/28/2014 | 10 25 | Composite | 2 375 | 80 | Not Analyzed for TPH | | | | |

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons USEPA 418 1

*TPH concentrations recorded may be below PQL

Field Chloride Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate

Analyst Ame Eles

Page 1 Report Finalized 2/28/14

AES Field Sampling Report



Animas Environmental Services LLC

www.animasenvironmental.com

624 E Comanche Farmington NM 87401 505-564-2281

> Durango Colorado 970 403 3084

Client ConocoPhillips Project Location San Juan 29 7 #52

Date 3/5/2014

Matrix Soil

| | | | | | ТРН | | | ТРН | |
|-------------|------------|------------|-------|----------------------|----------|----------------|-----|----------|--|
| | Collection | Collection | OVM | TPH* | Analysis | TPH PQL | | Analysts | |
| Sample ID | Date | Time | (ppm) | (mg/kg) | Time | (mg/kg) | DF | Initials | |
| SB 1 @ 6 25 | 3/5/2014 | 11 05 | 2 771 | | Not | Analyzed for 1 | ГРН | | |
| SB1@85 | 3/5/2014 | 11 15 | 3 340 | | Not | Analyzed for 1 | ГРН | | |
| SB 2 @ 0 5 | 3/5/2014 | 11 20 | 179 | 512 | 14 45 | 20 0 | _1 | EMS | |
| SB 2 @ 3 | 3/5/2014 | 11 24 | 75 9 | _ | Not | Analyzed for 1 | ГРН | | |
| SB 3 @ 0 5 | 3/5/2014 | 11 35 | 24 2 | | Not | Analyzed for T | ГРН | | |
| SB 3 @ 3 | 3/5/2014 | 11 42 | 64 | | Not | Analyzed for 1 | ГРН | | |
| SB 3 @ 6 | 3/5/2014 | 11 50 | 1 945 | >25 000 | 12 19 | 200 | 10 | EMS | |
| SB 4 @ 0 5 | 3/5/2014 | 12 10 | 35 2 | | Not | Analyzed for 1 | ГРН | | |
| SB 4 @ 3 | 3/5/2014 | 12 18 | 56 7 | | Not | Analyzed for T | ГРН | | |
| SB 4 @ 5 | 3/5/2014 | 12 20 | 1 816 | >25 000 | 16 02 | 200 | 10 | EMS | |
| SB 5 @ 0 5 | 3/5/2014 | 12 30 | 23 8 | | Not | Analyzed for 1 | ГРН | | |
| SB 5 @ 3 | 3/5/2014 | 12 35 | 65 3 | | Not | Analyzed for T | ГРН | | |
| SB 5@6 | 3/5/2014 | 13 09 | 1 823 | | Not | Analyzed for 1 | ГРН | | |
| SB 5 @ 7 75 | 3/5/2014 | 13 13 | 2 156 | 792 | 16 08 | 20 0 | 1 | EMS | |
| SB 6 0 5 | 3/5/2014 | 13 17 | 58 | | Not | Analyzed for T | ГРН | | |
| SB 6 @ 3 | 3/5/2014 | 13 20 | 18 | | Not | Analyzed for 1 | ГРН | | |
| SB 6@6 | 3/5/2014 | 13 00 | 13 | | Not | Analyzed for 1 | ГРН | == | |
| SB 6@8 | 3/5/2014 | 13 24 | 1 453 | 681 | 15 20 | 20 0 | 1 | EMS | |
| SB7@05 | 3/5/2014 | 14 25 | 2 5 | | Not | Analyzed for 1 | ГРН | | |
| SB 7 @ 2 5 | 3/5/2014 | 14 30 | 10 | | ГРН | | | | |
| SB 8 @ 0 5 | 3/5/2014 | 14 35 | 07 | Not Analyzed for TPH | | | | | |
| SB 8 @ 2 5 | 3/5/2014 | 14 40 | 08 | | Not | Analyzed for 1 | ГРН | | |
| SB 9@ 0 5 | 3/5/2014 | 14 36 | 18 | | | | | | |

Page 1 Report Finalized 3/5/14

| | Collection | Collection | OVM | TPH* | TPH Analysis | TPH PQL | | TPH Analysts |
|-------------|------------|------------|-------|---------|-----------------|------------------|-----|-----------------|
| Sample ID | Date | Time | (ppm) | (mg/kg) | Time | (mg/kg) | DF | Initials |
| SB 9 @ 6 | 3/5/2014 | 14 44 | 08 | | Not | t Analyzed for T | ТРН | |
| SB 9@8 | 3/5/2014 | 14 50 | 13 | 26 8 | 15 24 | 20 0 | 1 | EMS |
| SB 10@05 | 3/5/2014 | 15 10 | 0 2 | | Not | t Analyzed for T | ТРН | |
| SB 10 @ 3 | 3/5/2014 | 15 20 | 01 | | Not | t Analyzed for T | ГРН | |
| SB 10 @ 8 | 3/5/2014 | 16 20 | 01 | 86 | 16 55 | 20 0 | 1 | EMS |
| SB 11 @ 0 5 | 3/5/2014 | 16 00 | 0 2 | | Not | t Analyzed for T | ГРН | |
| SB 11@3 | 3/5/2014 | 16 12 | 01 | | Not | t Analyzed for T | ГРН | |
| SB 11@6 | 3/5/2014 | 16 30 | 0 2 | | Not | t Analyzed for T | ГРН | |
| SB 11@9 | 3/5/2014 | 16 40 | 01 | 190 | 16 59 | 20 0 | 1 | EMS |

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

*TPH concentrations recorded may be below PQL

Total Petroleum Hydrocarbons USEPA 418 1

Analyst Sich Syl

Page 2 Report Finalized 3/5/14

AES Field Sampling Report

Client ConocoPhillips Project Location San Juan 29 7 #52 Date 4/29/2014

Matrix Soil

AES

Animas I invironmental Services LLC

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Farm gto NM 87401 505-564-2281

> D rango Colo ado 970-403 3084

| Sample ID | Collection Date | Time of Sample Collection | Sample Location | OVM (ppm) | TPH Analysis Time | TPH* (mg/kg) | TPH PQL (mg/kg) | DF | TPH Analysts Initials |
|-----------|--------------------|---------------------------------|-----------------|--------------|----------------------|-----------------|--------------------|----|-----------------------------|
| SC 1 | 4/29/2014 | 14 35 | North Wall | 19 3 | 14 51 | 289 | 20 0 | 1 | EMS |
| SC 2 | 4/29/2014 | 11 30 | South Wall | 15 9 | 12 16 | 46 5 | 20 0 | 1 | EMS |
| SC 3 | 4/29/2014 | 11 35 | East Wall | 26 2 | 12 19 | 270 | 20 0 | 1 | EMS |
| SC-4 | 4/29/2014 | 14 16 | West Wall | 122 | 14 31 | 192 | 20 0 | | EMS |
| SC 5 | 4/29/2014 | 11 42 | Base | 3 827 | 12 22 | 1 770 | 20 0 | 1 | EMS |

DF Dilution Factor

NA Not Analyzed

- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons USEPA 418 1 *TPH concentrations recorded may be below PQL

Analyst Such Syl

Page 1 Report Finalized 4/29/14

AES Field Sampling Report

Client ConocoPhillips

Project Location San Juan 29 7 #52

Date 5/2/2014

Matrix Soil

AES

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> D ango Colo ado 970-403 3084

| | | Time of | | | | | | | ТРН |
|-----------|------------|------------|-----------------|-------|--------------|---------|---------|----|----------|
| | Collection | Sample | | OVM | TPH Analysis | ТРН* | TPH PQL | | Analysts |
| Sample ID | Date | Collection | Sample Location | (ppm) | Time | (mg/kg) | (mg/kg) | DF | Initials |
| SC 6 | 5/2/2014 | 11 20 | Base | 575 | 11 37 | 854 | 20 0 | 1 | HMW |

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons USEPA 418 1 TPH concentrations recorded may be below PQL

Aleather M Woods Analyst

Page 1 Report Finalized 5/2/14

ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue NM 87109 TEL 505 345 3975 FAX 505 345 4107 Website www.hallenvironmental.com

March 10 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington NM 87401 TEL (505) 486 4071 FAX

RE SJ 29 7 # 52

OrderNo 1403065

Dear Debbie Watson

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/4/2014 for the analyses presented in the following report

These were analyzed according to EPA procedures or equivalent To access our accredited tests please go to <u>www hallenvironmental com</u> or the state specific web sites In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report both sections should be reviewed. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications

ADHS Cert #AZ0682 NMED DWB Cert #NM9425 NMED Micro Cert #NM0190

Sincerely

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Anal | Analytical Report Lab Order 1403065 Date Reported 3/10/2014 | | | |
|-----------------------------|---|-------|-------------|------------------------------------|
| CLIENT Animas Environmental | " | | Client Samp | le ID SC-1 BGT SC 1 DAW |
| Project SJ 29 7 # 52 | | | Collection | Date 2/28/2014 10 25 00 AM |
| Lab ID 1403065 001 | Matrix S | OIL | Received | Date 3/4/2014 10 00 00 AM |
| Analyses | Result | RL Qu | al Units | DF Date Analyzed Batch |
| EPA METHOD 300 0 ANIONS | | | | Analyst JRR |
| Chloride | ND | 30 | mg/Kg | 20 3/6/2014 7 37 40 PM 12064 |

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

| Qualifiers | * | Value exceeds Maximum Contaminant Level | В | Analyte detected in the associated Metho | d Blank | | |
|-------------|--|---|---|--|--------------|--|--|
| | Ε | Value above quantitation range | Н | exceeded | | | |
| E J O | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit Page 1 of | | | | |
| | 0 | RSD is greater than RSDlimit | Р | Sample pH greater than 2 | 1 age 1 01 2 | | |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | | | |
| | S | Spike Recovery outside accepted recovery limits | | | | | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

Client Animas Environmental Project

Ξ

SJ 29 7 # 52

| Sample ID MB 12064 | SampType M | BLK | d 300 0 Anion | s | | | | |
|--|---|-------------------------------------|----------------------------------|--|--|-----------------|----------|------|
| Client ID PBS | Batch ID 12 | 2064 | Rı | unNo 17165 | | | | |
| Prep Date 3/6/2014 | Analysis Date 3 | 3/6/2014 | Se | eqNo 493843 | Units mg/K | g | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | / REC LowLimi | t HighLimit | %RPD | RPDLimit | Qual |
| Chlonde | ND 15 | | | | | | | |
| | | | | | | | | |
| Sample ID LCS 12064 | SampType LO | cs | Test | Code EPA Metho | d 300 0 Anion | s | | |
| Sample ID LCS 12064 Client ID LCSS | SampType Lo Batch ID 12 | CS 2064 | Test | Code EPA Metho unNo 17165 | d 300 0 Anion | s | <u> </u> | ; |
| Sample ID LCS 12064 Client ID LCSS Prep Date 3/6/2014 | SampType Lo Batch ID 12 Analysis Date 3 | CS 2064 5/6/2014 | Testo Ru Se | Code EPA Metho unNo 17165 eqNo 493844 | d 300 0 Anion Units mg/K | s g | | |
| Sample ID LCS 12064 Client ID LCSS Prep Date 3/6/2014 Analyte | SampType L0 Batch ID 12 Analysis Date 3 Result PQL | CS 2064 5/6/2014 SPK value | Testo Ru Se SPK Ref Val | Code EPA Metho unNo 17165 eqNo 493844 %REC LowLimi | d 300 0 Anion Units mg/K t HighLimit | s 9 / RPD | RPDLimit | Qual |

Qualifiers

- Value exceeds Maximum Contaminant Level *
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2
- RL Reporting Detection Limit

10 Mar 14

1403065

WO#

Page 2 of 2

| | HALL |
|---|------------|
| 2 | ANALYSIS |
| | LABORATORY |

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque NM 87105 TEL 505 345 3975 FAX 505 345-410, Website www.hallenvironmental.com

Sample Log-In Check List

| Cli | ent Name Animas Environmental Work Order Number | 1403065 | | RcptNo | 1 |
|-----------|---|----------------|----------|-----------------------------------|---------------------|
| Re | ceived by/date 03,04114 | | | - <u></u> | |
| Loc | aded By: Lindsay Mangin 3/4/2014 10 00 00 AM | | Augo | | |
| Co | | | autillar | | |
| - | | | 0-3-00 | | |
| Re | viewed By ING 03/05/19 | | | | |
| <u>Ch</u> | ain of Custody | | | | |
| 1 | Custody seals intact on sample bottles? | Yes 🗌 | No 🗋 | Not Present 🗹 | |
| 2 | Is Chain of Custody complete? | Yes 🗹 | No 🗌 | Not Present 🗋 | |
| 3 | How was the sample delivered? | <u>Courier</u> | | | |
| <u>Lo</u> | <u>g In</u> | | | | |
| 4 | Was an attempt made to cool the samples? | Yes 🗹 | No 🗆 | na 🗆 | |
| 5 | Were all samples received at a temperature of >0 C to 6 0 C | Yes 🗹 | No 🗆 | na 🗔 | |
| 6 | Sample(s) in proper container(s)? | Yes 🗹 | No 🗆 | | |
| 7 | Sufficient complexities for Indiasted tost/0)? | Vee 🕅 | No 🗌 | | |
| 1 0 | | Vec V | | | |
| 0 | Are samples (except VOA and ONG) propeny preserved? | | | | |
| 9 | Was preservative added to bottles? | ¥65 ∟ | | | |
| 10 | VOA viais have zero headspace? | Yes 🗌 | No 🗆 | No VOA Viais 🗹 | |
| 11 | Were any sample containers received broken? | Yes 🗌 | No 🗹 [| | |
| | | | | # of preserved bottles checked | |
| 12 | Does paperwork match bottle labels? | Yes 🗹 | No 🗆 | for pH | |
| | (Note discrepancies on chain of custody) | | | 0 2>) Adjusted? | r >12 Uniess noted) |
| 13 | Are matrices correctly identified on Chain of Custody? | Yes M∑ | | | |
| 14 | is it clear what analyses were requested? | Yes 🗹 | | | |
| 15 | Were all holding times able to be met? (If no notify customer for authorization) | Yes 🗹 | No∟∣ | Cnecked by | |
| <u>Sp</u> | ecial Handling (if applicable) | | | | |
| 16 | Was client notified of all discrepancies with this order? | Yes 🗌 | No 🗆 | NA 🗹 | |

| o wa | s client notified of all (| liscrepand | Hes With 1 | | | tes L | .) N | | 114 | |
|------|----------------------------|------------|------------|----------|------------|---------|-------|-----|-----------------|--|
| | Person Notified | | | { | Date | • | | t | | |
| | By Whom | | | <u>د</u> | Vla | 🗌 eMail | Phone | Fax | In Person | |
| | Regarding | - | | | | | | | م سیبیدی | |
| | Client Instructions | | _ | | | | | | NL 444 ALALI 44 | |

17 Additional remarks

18 Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 25 | Good | Yes | | | |

| Chain-of-Custody Record | | | 10118 | | | - | | н | | | FN | VI | R | 10 | NN | 1 FI | | A I | | | |
|--------------------------------|------------------------------|-------------|--|-------------------------|--------------------------------|--------------|------------|----------|--------------------------|---------------|---------------|-----------|---------------|--------------|--------------|-----------|-----------|------------------------|----------|-----|---------------|
| Client | muke | MERLIF | NTHE SEPARATE LLC | Standard | 🗆 Rush | | | | 1 | Δ | N/ | | 7 5] | [S | Ľ | AB | | RA | ТО | RY | 7 |
| | I LANIC IN | | | Project Name |) | |) i | | | | | halle | | | ente | al cor | m | . — - | | | |
| Mailing | Address | 11105 | Can have | IST 20 | 1-7 #5 | 2 | | 400 | м ц. | • | | E | | | | | | 100 | | | |
| Tue | | POLF | C MANKAK | Project # | | | | 49(| | | 15 IVI | - / 76 | RIDU(| luen v Er | 440 75 3 | | 1071 | , | | | |
| - JARA | MAGAD | MUL | 87401 | | | | | 5 34 | 45-3975 Fax 505 345-4107 | | | | | | | | | | | | |
| Phone i | <u>#_505</u> | -569 | 128 | Project Menager | | | | | | | | | | | | | | | | | |
| | | | | | ger | | 21) | Г. | Я Ц | | | | | λ, | s | Í | | | { | | |
| Stan | Package dard | | Level 4 (Full Validation) | D Watzon | | | s (80 | (Gas | ² | | | SIMS | 2 | | Z PC | | | les | | | |
| Accredi | tation | | | Sampler E | sampler E Skyles | | | E | | Ŧ | ╤ | 2 | | | | | | मे | | | \widehat{z} |
| | <u> AP</u> | | r | On Ice | Ves. | ⊡ No | + | + | 8 B | 418 | 20 | r 82 | s | <u>5</u> | / s | | <u> </u> | 2 | | | ō |
| | (Type) _ | | | Sample Tem | perature | 15 *** | 18 | TBE | <u>ອ</u> | b | g | ě | | 5 - | B G | ₹ | ž | 3 | | | کر د |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO | BTEX + M | BTEX + M | TPH 8015 | TPH (Meth | EDB (Meth | PAH s (83 | RCRA 8 M | | 3081 Pest | 3260B (VC | 3270 (Sen | 2000 | | | Aır Bubble |
| 28/14 | 14 25 | G.I | 50-1 | 1-402 | non | -601 | | | - İ | - | _ | <u> </u> | _ | | - | - | | \mathbf{X}^{\dagger} | + | + | + |
| -oht | 10 03 | 401 | | | | | | | | -+ | + | -+- | + | ╉ | + | -+ | -F | ┦ | | + | ++ |
| | | | | | | | | | | | -+ | -+- | | | -+ | -+- | | + | | | ++ |
| | L | | | | | | | | | | | -+- | | + | - | -+ | | -+ | | | ╇ |
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| | L | | | | | | | | | | | _ | | | | | | \square | | | |
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| | <u> </u> | | | | | | | | | | | -+ | | \neg | | | | - | -+ | + | + |
| | <u> </u> | | ······································ | † | | · | | | | | - | -+ | | | | | | -+ | | + | +- |
| | <u></u> | | | <u> </u> | · · · · · · · · · · | | | | | | -+ | | | -+- | + | -+ | -+ | + | -+- | + | ╇┥ |
| | | | | | | | | | | | + | -+ | + | + | - | -+ | | \rightarrow | | + | ┿┦ |
| Date | Time | Relinguishe | ed by | Received by | L | Date Time | Rer | nark | s - j | \$ 7 | <u>н</u> , | ÷ | (and | | | 2/2 | /.h | < | | | ┻┥ |
| 4-14 | 630 | Ś | JSY | Debrih | Watu | . 3-4-14 630 | - Ner | 07 | 2.005 | 512 | 8 | Ĩ | | | U 59 | ER | 12 | IND/ | T Uma | F.P | |
| Date | te Time Relinquished by 0 Re | | Received B Date, Time | | THEN T UNDERSON UT LISA TOWNER | | | | | | | | | | | | | | | | |
| 414 630 Debruh Water to ogriff | | and 1000 | ACI | | 1 00 | DE | | | | SVI | ekv | 1502 | , J <i>II</i> | π K | CNN <u>1</u> | :09 | | | | | |

If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



May 02 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington NM 87401 TEL (505) 486 4071 FAX

RE COP SJ 29 7 #52

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue NM 87109 TEL 505 345 3975 FAX 505 345 4107 Website <u>www.hallenvironmental.com</u>

OrderNo 1404B95

Dear Debbie Watson

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/30/2014 for the analyses presented in the following report

These were analyzed according to EPA procedures or equivalent To access our accredited tests please go to <u>www hallenvironmental com</u> or the state specific web sites In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report both sections should be reviewed. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don t hesitate to contact HEAL for any additional information or clarifications

ADHS Cert #AZ0682 NMED DWB Cert #NM9425 NMED Micro Cert #NM0190

Sincerely,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque NM 87109

| Analytical | Report |
|-------------|--------|
| Lab Order 1 | 404B95 |

Date Reported 5/2/2014

Hall Environmental Analysis Laboratory, Inc

| CLIENT | IENT Animas Environmental Chent Sample ID SC 1 | | | | | | |
|----------|--|------------|-------------|------------------------|-----|-----------------------|--------|
| Project | COP SJ 29 7 #52 | | | Collection Date | 4/2 | 29/2014 2 35 00 PM | |
| Lab ID | 1404B95 001 | Matrix | MEOH (SOIL) | Received Date | 4/3 | 80/2014 10 05 00 AM | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | THOD 8015D DIESEL RANG | E ORGANICS | | | | Analyst | BCN |
| Diesel R | ange Organics (DRO) | 96 | 10 | mg/Kg | 1 | 4/30/2014 12 21 16 PM | 12938 |
| Surr I | DNOP | 105 | 57 9 140 | / REC | 1 | 4/30/2014 12 21 16 PM | 12938 |
| EPA MET | THOD 8015D GASOLINE RA | NGE | | | | Analyst | NSB |
| Gasoline | e Range Organics (GRO) | ND | 34 | mg/Kg | 1 | 4/30/2014 12 02 25 PM | R18302 |
| Surr I | BFB | 89 7 | 74 5 129 | %REC | 1 | 4/30/2014 12 02 25 PM | R18302 |

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

| Qualifiers | |
|------------|---|
| | Ε |

- Value exceeds Maximum Contaminant Level Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2
- RL Reporting Detection Limit
- Page 1 of 7

| Hall Er | nvironmental Analy | | Lab Order 1404B95 Date Reported 5/2/2014 | 1 | | | |
|-----------------------------|--|------------|---|---|-----------------------------|---|--------|
| CLIENT Project Lab ID | Animas Environmental COP SJ 29 7 #52 1404B95 002 | Matrix | MEOH (SOIL) | Client Sample Collection Da Received Da | ID SC ate 4/2 ate 4/3 | C 3 29/2014 11 35 00 AM 30/2014 10 05 00 AM | |
| Analyses | | Result | RL Qua | l Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 8015D DIESEL RANG | E ORGANICS | | | | Analyst | BCN |
| Diesel Ra | ange Organics (DRO) | 46 | 10 | mg/Kg | 1 | 4/30/2014 12 52 35 PM | 12938 |
| Surr I | DNOP | 94 4 | 57 9 140 | / REC | 1 | 4/30/2014 12 52 35 PM | 12938 |
| EPA MET | THOD 8015D GASOLINE RA | NGE | | | | Analyst | NSB |
| Gasoline | e Range Organics (GRO) | ND | 35 | mg/Kg | 1 | 4/30/2014 12 30 59 PM | R18302 |
| Surr E | BFB | 85 2 | 74 5 129 | / REC | 1 | 4/30/2014 12 30 59 PM | R18302 |

Analytical Report

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

| Qualifiers | | Value exceeds Maximum Contaminant Level | В | Analyte detected in the associated Metho | od Blank |
|------------|---|---|----|---|--------------|
| | Ε | Value above quantitation range | Н | Holding times for preparation or analysis | s exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | Page 2 of 7 |
| | 0 | RSD is greater than RSDlimit | Р | Sample pH greater than 2 | 1 age 2 01 7 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 5 of 9

| Sample ID | Date Sampled | Sample Depth (ft bgs) | VOCs via OVM (ppm) | TPH 418 1 (mg/kg) | Field Chlorides (mg/kg) |
|-------------|--------------------------------|-----------------------------|--------------------------|-------------------------|-------------------------------|
| NMO (NMA | CD Action Lev AC 19 15 17 1 | /el* 3F) | NE/100 | 100 | 250/NE |
| | | 05 | 24 2 | NA | NA |
| SB 3 | 3/5/14 | 3 | 6 4 | NA | NA |
| | - | 6 | 1 945 | >25,000 | NA |
| | | 0 5 | 35 2 | NA | NA |
| SB 4 | 3/5/14 | 3 | 56 7 | NA | NA |
| | • | 5 | 1 816 | >25 000 | NA |
| | | 0 5 | 23 8 | NA | NA |
| | | 3 | 65 3 | NA | NA |
| SB 5 | 3/5/14 · | 6 | 1,823 | NA | NA |
| | • | 7 75 | 2 156 | 792 | NA |
| | <u> </u> | 0 5 | 5 8 | NA | NA |
| | - | 3 | 18 | NA | NA |
| SB 6 | 3/5/14 · | 6 | 13 | NA | NA |
| | - | 8 | 1 453 | 681 | NA |
| | | 0 5 | 2 5 | NA | NA |
| SB 7 | 3/5/14 · | 2 5 | 10 | NA | NA |
| | | 0 5 | 07 | NA | NA |
| SB 8 | 3/5/14 - | 2 5 | 08 | NA | NA |
| | | 0 5 | 18 | NA | NA |
| | - | 3 | 0 8 | NA | NA |
| SB 9 | 3/5/14 · | 6 | 0 8 | NA | NA |
| | - | 8 | 13 | 26 8 | NA |
| | | 0 5 | 0 2 | NA | NA |
| SB 10 | 3/5/14 | 3 | 01 | NA | NA |
| | - | 8 | 01 | <20 0 | NA |
| | | 0 5 | 0 2 | NA | NA |
| SB 11 | - 3/5/14 | 3 | 01 | NA | NA |
| | - | 6 | 0 2 | NA | NA |

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 6 of 9

| Sample ID | Date Sampled | Sample Depth (ft bgs) | VOCs via OVM (ppm) | TPH 418 1 (mg/kg) | Field Chlorides (mg/kg) |
|--|-----------------|-----------------------------|--------------------------|-------------------------|-------------------------------|
| NMOCD Action Level* (NMAC 19 15 17 13E) | | | NE/100 | 100 | 250/NE |
| | | 9 | 01 | <20 0 | NA |
| SC 1 | 4/29/14 | 1 to 12 | 19 3 | 289 | NA |
| SC 2 | 4/29/14 | 1 to 12 | 15 9 | 46 5 | NA |
| SC 3 | 4/29/14 | 1 to 12 | 26 2 | 270 | NA |
| SC 4 | 4/29/14 | 1 to 12 | 122 | 192 | NA |
| SC 5 | 4/29/14 | 12 | 3 827 | 1,770 | NA |
| SC 6 | 5/2/14 | 12 | 575 | 854 | NA |

NA – not analyzed

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks Spills and Releases (August 1993) and NMAC 19 15 17 13E

Laboratory analysis of sample BGT SC 1 was used to confirm the chloride concentration for BGT closure sampling results Laboratory analytical results reported the chloride concentration as less than 30 mg/kg

Laboratory analyses for SC 1 through SC 6 were used to confirm field sampling results from the final excavation extents Benzene concentrations were reported below laboratory detection limits in all samples (SC 4 SC 5 and SC 6) Total BTEX concentrations ranged from 0 070 mg/kg in SC 4 up to 5 58 mg/kg in SC 6 Total TPH concentrations ranged from below laboratory detection limits in SC 2 up to 890 mg/kg in SC 5 Results are summarized in Table 2 and included on Figures 2 through 4 Laboratory analytical reports are attached

| Table 2 Soil Laboratory Analytical Re | esults – Benzene Total BTEX TPH and Chlorides |
|---------------------------------------|---|
| San Juan 29 7 #52 BGT Closure | Release Assessment and Final Excavation |
| Enhrunny | April and May 2014 |

| | | | repri | Jary April | and May 2 | 014 | | |
|---|----------------|--------------------------------|-----------------------------|--------------------|--------------------------|-----------------------|-----------------------|----------------------|
| S | ample ID | Date Sampled | Sample Depth (ft bgs) | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | Chlorıdes (mg/kg) |
| | NMOCL (NMAC | D Action Level 19 15 17 131 | * E) | 0 2/10 | 50 | | 100 | 250/NE |
| B | BGT SC 1 | 2/28/14 | 0 5 | NA | NA | NA | NA | <30 |
| | SC 1 | 4/29/14 | 1 to 12 | NA | NA | <3 4 | 96 | NA |
| | SC 2 | 4/29/14 | 1 to 12 | NA | NA | <5 0 | <10 | NA |

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 7 of 9

| Sample ID NMOCE | Date Sampled Action Leve | Sample Depth (ft bgs) I* | Benzene (mg/kg) | Total BTEX (mg/kg) | TPH GRO (mg/kg) | TPH DRO (mg/kg) | Chlorides (mg/kg) |
|--------------------|--------------------------------|-----------------------------------|--------------------|--------------------------|-----------------------|-----------------------|----------------------|
| (NMAC | 19 15 17 13 | 5) | 0 2/10 | 50 | | 100 | 250/NE |
| SC 3 | 4/29/14 | 1 to 12 | NA | NA | <3 5 | 46 | NA |
| SC 4 | 4/29/14 | 1 to 12 | <0 031 | 0 070 | 3 5 | 65 | NA |
| SC 5 | 4/29/14 | 12 | <0 083 | 5 2 | 140 | 750 | NA |
| SC 6 | 5/2/14 | 12 | <0 081 | 5 58 | 98 | 640 | NA |

NA – not analyzed

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks Spills and Releases (August 1993) and NMAC 19 15 17 13E

30 Conclusions and Recommendations

On February 28 and March 5 2014 AES conducted a BGT closure and assessment of petroleum contaminated soils associated with a 1 8 bbl release of hydrocarbons and paraffin at the San Juan 29 7 #52 NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19 15 17 13E Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks Spills and Releases* (August 1993) and the site was assigned a rank of 20

Field BGT closure sampling results in February 2014 were above the NMOCD action level of 100 mg/kg with all samples reporting concentrations greater than 2 300 mg/kg Laboratory results for chloride concentrations in BGT SC 1 were reported below the NMOCD action level of 250 mg/kg Based on field concentrations a release was confirmed

In March 2014 release assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 100 mg/kg TPH were reported in SB 1 through SB 6 The highest VOC concentration was reported in SB 1 with 3 340 ppm and the highest TPH concentration was reported in SB 3 and SB 4 with concentrations greater than 25 000 mg/kg Excavation of the release area was recommended

On April 29 2014 final excavation of the impacted area was completed Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for three of the final walls of the excavation However samples SC 4 (west wall) and SC 5 (base) reported VOC concentrations above the NMOCD action level with 122 ppm and 3 827 ppm respectively Field TPH concentrations were above the applicable NMOCD action level of 100 mg/kg for the

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 8 of 9

final walls and base of the excavation with the exception of SC 2 (south wall) which had a TPH concentration of 46 1 mg/kg Laboratory analytical results reported benzene and total BTEX concentrations in SC 4 and SC 5 as below NMOCD action levels TPH concentrations as GRO/DRO were also reported below the applicable NMOCD action level in all samples except SC 5 which had a TPH concentration of 890 mg/kg Quantum GrowthTM was applied to the base of the excavation and an additional confirmation sample (SC 6) was collected on May 2 2014 Field sampling results for SC 6 reported VOC and TPH concentrations above applicable NMOCD action levels However laboratory analytical results for SC 6 reported benzene and total BTEX concentrations below applicable NMOCD action levels but TPH concentrations remained above NMOCD action levels

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 29 7 #52 VOCs benzene total BTEX and TPH concentrations were below the applicable NMOCD action levels for the final sidewalls of the excavation However the base of the excavation exceeded applicable NMOCD action levels for TPH On May 5 2014 CoP received approval to backfill the excavation from Brandon Powell of the NMOCD No further work is recommended

If you have any questions about this report or site conditions please do not hesitate to contact me at (505) 564 2281

Sincerely

Sich SL

Emilee Skyles Staff Geologist

Elyobert & Mendly

Elizabeth McNally PE

Attachments

- Figure 1 Topographic Site Location Map
- Figure 2 Aerial Site Map February 2014
- Figure 3 Release Assessment Sample Locations and Results March 2014
- Figure 4 Final Excavation Sample Locations and Results April and May 2014 AES Field Sampling Report 022814

Lisa Hunter San Juan 29 7 #52 BGT Closure Release Assessment and Final Excavation Report August 11 2014 Page 9 of 9

AES Field Sampling Report 030514 AES Field Sampling Report 042914 AES Field Sampling Report 050214 Hall Laboratory Analytical Report 1403065 Hall Laboratory Analytical Report 1404B95 Hall Laboratory Analytical Report 1404C13 Hall Laboratory Analytical Report 1405102

C \Users\emcnally AES\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2014 Projects\ConocoPhillips\SJ 29 7 #52\San Juan 29 7 #52 BGT Closure Assessment and Excavation Report 081114 docx

Analytical Report

Lab Order 1404B95

Date Reported 5/2/2014

Hall Environmental Analysis Laboratory, Inc

| CLIENT | Animas Enviro | onmental | Client Sample ID SC 4 | | | | | | | |
|----------|------------------|-----------------|-----------------------|-------------|-----------------|----------|-----------------------|--------|--|--|
| Project | COP SJ 29 7 | [‡] 52 | | | Collection 1 | Date 4/2 | 9/2014 2 16 00 PM | | | |
| Lab ID | 1404B95 003 | | Matrix | MEOH (SOIL) | Received | Date 4/3 | 0/2014 10 05 00 AM | | | |
| Analyses | | | Result | RL Qua | l Units | DF | Date Analyzed | Batch | | |
| EPA MET | THOD 8015D D | IESEL RANGE | ORGANICS | | | | Analyst | BCN | | |
| Diesel R | ange Organics (D | RO) | 65 | 99 | mg/Kg | 1 | 4/30/2014 1 23 37 PM | 12938 | | |
| Surr I | DNOP | | 106 | 57 9 140 | / REC | 1 | 4/30/2014 1 23 37 PM | 12938 | | |
| EPA MET | THOD 8015D | ASOLINE RANG | GE | | | | Analyst | NSB | | |
| Gasoline | Range Organics | (GRO) | 35 | 3 1 | mg/Kg | 1 | 4/30/2014 12 59 35 PM | R18302 | | |
| Surr I | BFB | | 111 | 74 5 129 | / REC | 1 | 4/30/2014 12 59 35 PM | R18302 | | |
| EPA MET | | OLATILES | | | | | Analyst | NSB | | |

| Benzene | ND | 0 031 | mg/Kg | 1 | 4/30/2014 12 59 35 PM | R18302 |
|-------------------------|--------|--------|-------|---|-----------------------|--------|
| Toluene | ND | 0 031 | mg/Kg | 1 | 4/30/2014 12 59 35 PM | R18302 |
| Ethylbenzene | ND | 0 031 | mg/Kg | 1 | 4/30/2014 12 59 35 PM | R18302 |
| Xylenes Total | 0 070 | 0 063 | mg/Kg | 1 | 4/30/2014 12 59 35 PM | R18302 |
| Surr 4 Bromofluorobenze | ne 104 | 80 120 | / REC | 1 | 4/30/2014 12 59 35 PM | R18302 |

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

| Qualifiers | * | Value exceeds Maximum Contaminant Level | В | Analyte detected in the associated Metho | od Blank |
|------------|---|---|----|---|--------------|
| | Ε | Value above quantitation range | н | Holding times for preparation or analysis | s exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | Page 3 of 7 |
| | 0 | RSD is greater than RSDlimit | Р | Sample pH greater than 2 | 1 450 5 01 / |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |
| | | | | | |

| Hall Environmental Analys | sis Labora | atory, In | c | | | Analytical Report Lab Order 1404B95 Date Reported 5/2/201 | 4 |
|-------------------------------|------------|-----------|------|--------------|----------|---|--------|
| CLIENT Animas Environmental | | | C | lient Sampl | e ID SC | 5 | |
| Project COP SJ 29 7 #52 | | | | Collection I | Date 4/2 | 9/2014 11 42 00 AM | |
| Lab ID 1404B95 004 | Matrix | MEOH (SC | DIL) | Received I | Date 4/3 | 0/2014 10 05 00 AM | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015D DIESEL RANGI | E ORGANICS | | | | | Analysi | BCN |
| Diesel Range Organics (DRO) | 750 | 99 | | mg/Kg | 1 | 4/30/2014 1 54 44 PM | 12938 |
| Surr DNOP | 112 | 57 9 140 | | / REC | 1 | 4/30/2014 1 54 44 PM | 12938 |
| EPA METHOD 8015D GASOLINE RAI | NGE | | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | 140 | 17 | | mg/Kg | 5 | 4/30/2014 11 33 47 AM | R18302 |
| Surr BFB | 258 | 74 5 129 | S | %REC | 5 | 4/30/2014 11 33 47 AM | R18302 |
| EPA METHOD 8021B VOLATILES | | | | | | Analyst | NSB |
| Benzene | ND | 0 083 | | mg/Kg | 5 | 4/30/2014 11 33 47 AM | R18302 |
| Toluene | ND | 0 17 | | mg/Kg | 5 | 4/30/2014 11 33 47 AM | R18302 |
| Ethylbenzene | 0 40 | 0 17 | | mg/Kg | 5 | 4/30/2014 11 33 47 AM | R18302 |
| Xylenes Total | 48 | 0 33 | | mg/Kg | 5 | 4/30/2014 11 33 47 AM | R18302 |

80 120

/ REC

5 4/30/2014 11 33 47 AM R18302

117

Surr 4 Bromofluorobenzene

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

| Qualifiers | * | Value exceeds Maximum Contaminant Level | В | Analyte detected in the associated Method | od Blank |
|------------|---|---|----|---|--------------|
| | E | Value above quantitation range | Н | Holding times for preparation or analysi | s exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | Page 4 of 7 |
| | 0 | RSD is greater than RSDlimit | Р | Sample pH greater than 2 | 1 age + 01 / |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |
| | | | | | |

| Hall | Franconmonto | Analysis | Laboratory I | no |
|------|--------------|-------------|---------------|----|
| нап | Environmenta | II ANAIVSIS | Laboratory, 1 | nc |

Client Animas Environmental

Project COP SJ 29 7 #52

| Sample ID MB 12938 | Samplype MBLK TestCode EPA Method 8015D Diesei Range Organics |
|-----------------------------|---|
| Client ID PBS | Batch ID 12938 RunNo 18255 |
| Prep Date 4/29/2014 | Analysis Date 4/30/2014 SeqNo 528682 Units mg/Kg |
| Analyte | Result PQL SPK value SPK Ref Val /6REC LowLimit HighLimit / RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | ND 10 |
| Surr DNOP | 8 6 10 00 86 3 57 9 140 |
| Sample ID LCS 12938 | SampType LCS TestCode EPA Method 8015D Diesel Range Organics |
| Client ID LCSS | Batch ID 12938 RunNo 18255 |
| Prep Date 4/29/2014 | Analysis Date 4/30/2014 SeqNo 528683 Units mg/Kg |
| Analyte | Result PQL SPK value SPK Ref Val / REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | 40 10 50 00 0 80 9 60 8 145 |
| Sur DNOP | 3 9 5 000 78 1 57 9 140 |
| Sample ID MB 12956 | SampType MBLK TestCode EPA Method 8015D Diesel Range Organics |
| Client ID PBS | Batch ID 12956 RunNo 18327 |
| Prep Date 5/1/2014 | Analysis Date 5/1/2014 SeqNo 529725 Units / REC |
| Analyte | Result PQL SPK value SPK Ref Val % REC LowLimit HighLimit / RPD RPDLimit Qual |
| Surr DNOP | 8 7 10 00 87 3 57 9 140 |
| Sample ID LCS 12956 | SampType LCS TestCode EPA Method 8015D Diesel Range Organics |
| Client ID LCSS | Batch ID 12956 RunNo 18327 |
| Prep Date 5/1/2014 | Analysis Date 5/1/2014 SeqNo 529726 Units / REC |
| Analyte | Result PQL SPK value SPK Ref Val / REC LowLimit HighLimit / RPD RPDLimit Qual |
| Surr DNOP | 4 7 5 000 94 0 57 9 140 |

Qualifiers

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2
- RL Reporting Detection Limit

Page 5 of 7

02 May 14

WO# 1404B95

|--|

WO# 1404B95

02 May 14

| Client Ani Project CO | nas Environme PSJ 29 7 #52 | ental | | | | | | | | |
|-----------------------------|-------------------------------|---------|-----------|-------------|----------|-----------|------------|------------|----------|------|
| Sample ID MB 12911 N | K Samp | Туре МІ | BLK | Tes | tCode El | PA Method | 8015D Gase | oline Rang | e | |
| Client ID PBS | Batc | hiD R1 | 8302 | F | RunNo 1 | 8302 | | | | |
| Prep Date | Analysis I | Date 4 | /30/2014 | 5 | SeqNo 5 | 29079 | Units mg/H | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | % REC | LowLimit | HighLimit | / RPD | RPDLimit | Qual |
| Gasoline Range Organics (GR |) ND | 50 | | | | | | | | |
| Surr BFB | 850 | | 1000 | | 84 8 | 74 5 | 129 | | | |
| Sample ID LCS 12911 | NK Samp ⁻ | Type LC | s | Tes | tCode El | PA Method | 8015D Gase | oline Rang | e | |
| Client ID LCSS | Batc | hID R1 | 8302 | F | RunNo 1 | 8302 | | | | |
| Prep Date | Analysis [| Date 4/ | /30/2014 | S | SeqNo 5 | 29080 | Units mg/H | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | / REC | LowLimit | HighLimit | % RPD | RPDLimit | Qual |
| Gasoline Range Organics (GR |)) 24 | 50 | 25 00 | 0 | 95 1 | 71 7 | 134 | | | |
| Surr BFB | 940 | | 1000 | | 93 8 | 74 5 | 129 | | | |

Qualifiers

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- $B \qquad \mbox{Analyte detected in the associated Method Blank}$
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2
- RL Reporting Detection Limit

Page 6 of 7

Hall Environmental Analysis Laboratory, Inc

Chent Animas Environmental

COP SJ 29 7 #52 Project

| Sample ID MB 12911 MK | Samp | Туре М Е | BLK | Tes | tCode E | PA Method | 8021B Vola | tiles | | |
|---|--|--|--|--|--|--|--|----------------------|----------|------|
| Client ID PBS | Batc | h ID R1 | 8302 | F | lunNo 1 | 8302 | | | | |
| Prep Date | Analysis [| Date 4/ | 30/2014 | 5 | SeqNo 5 | 29270 | Units mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | / REC | LowLimit | HighLimit | / RPD | RPDLimit | Quai |
| Benzene | ND | 0 050 | | | | | | | | |
| Toluene | ND | 0 050 | | | | | | | | |
| Ethylbenzene | ND | 0 050 | | | | | | | | |
| Xylenes Total | ND | 0 10 | | | | | | | | |
| Surr 4 Bromofluorobenzene | 10 | | 1 000 | | 101 | 80 | 120 | | | |
| | - | | | | | | | | | |
| Sample ID LCS 12911 MK | Samp | Type LC | s | Tes | Code E | PA Method | 8021B Volat | tiles | | |
| Sample ID LCS 12911 MK Client ID LCSS | Samp ⁻ Batc | Type LC | :S 8302 | Tes | tCode E | PA Method 8302 | 8021B Volat | tiles | | |
| Sample ID LCS 12911 MK Client ID LCSS Prep Date | Samp Batc Analysis [| Type LC h ID R1 Date 4/ | :S 8302 30/2014 | Tes F | tCode E tunNo 1 teqNo 5 | PA Method 8302 29271 | 8021B Volat | tiles (g | | |
| Sample ID LCS 12911 MK Client ID LCSS Prep Date Analyte | Samp Batc Analysis I Result | Type LC h ID R1 Date 4/ PQL | :S 8302 30/2014 SPK value | Tes F S SPK Ref Val | Code El LunNo 1 GeqNo 5 &REC | PA Method 8302 29271 LowLimit | 8021B Volat Units mg/K HighLimit | tiles (g / RPD | RPDLimit | Qual |
| Sample ID LCS 12911 MK Client ID LCSS Prep Date Analyte Benzene | Samp Batc Analysis I Result 1 1 | Type LC h ID R1 Date 4/ PQL 0 050 | S 8302 30/2014 SPK value 1 000 | Tes F S SPK Ref Val 0 | tCode El tunNo 1 teqNo 5 &REC 108 | PA Method 8302 29271 LowLimit 80 | 8021B Volat Units mg/K HighLimit 120 | tiles Sg / RPD | RPDLimit | Qual |
| Sample ID LCS 12911 MK Client ID LCSS Prep Date Analyte Benzene Toluene | Samp Batc Analysis I Result 1 1 1 0 | Type LC h ID R1 Date 4/ PQL 0 050 0 050 | S 8302 30/2014 SPK value 1 000 1 000 | Tes F S SPK Ref Val 0 0 | Code El RunNo 1 GeqNo 5 &REC 108 99 8 | PA Method 8302 29271 LowLimit 80 80 | 8021B Volat Units mg/K HighLimit 120 120 | tiles (g / RPD | RPDLimit | Qual |
| Sample ID LCS 12911 MK Client ID LCSS Prep Date Analyte Benzene Toluene Ethylbenzene | Samp Batc Analysis I Result 1 1 1 0 1 0 | Type LC h ID R1 Date 4/ PQL 0 050 0 050 0 050 0 050 | S 8302 30/2014 SPK value 1 000 1 000 1 000 | Tes F SPK Ref Val 0 0 0 0 | Code E cunNo 1 ieqNo 5 //REC 108 99 8 101 | PA Method 8302 29271 LowLimit 80 80 80 | 8021B Volat Units mg/K HighLimit 120 120 120 | tiles (g / RPD | RPDLimit | Qual |
| Sample ID LCS 12911 MK Client ID LCSS Prep Date Analyte Benzene Toluene Ethylbenzene Xylenes Total | Samp Batc Analysis I Result 11 10 10 30 | Type LC h ID R1 Date 4/ PQL 0 050 0 050 0 050 0 050 0 10 | S 8302 30/2014 SPK value 1 000 1 000 1 000 3 000 | Tes F SPK Ref Val 0 0 0 0 0 | Code E RunNo 1 GeqNo 5 &REC 108 99 8 101 99 0 | PA Method 8302 29271 LowLimit 80 80 80 80 80 | 8021B Volat Units mg/K HighLimit 120 120 120 120 | tiles (g / RPD | RPDLimit | Qual |

Qualifiers

- Value exceeds Maximum Contaminant Level *
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2
- Reporting Detection Limit RL

02 May 14

1404B95

WO#

Page 7 of 7

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque NM 87109 TEL 505 345 3975 FAY 505 345-4107 Website www hallenvironmental com

I

Sample Log-In Check List

| Received by/date - 04430/14/30/14 Logged By Ashley Gallegos Ashley Gallegos 4/30/2014 10 05 00 AM Completed By Ashley Gallegos Reviewed By 04/30/2014 10 12 57 AM Chain of Custody 04/30/2014 10 12 57 AM 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co Log In 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 16 Sample(s) in proper container(s)? Yes | | | No No No | | Not Present Not Present NA | |
|--|---|----------|----------------|---------------------------------------|----------------------------------|--------------------------|
| Received by/date 4/30/2014 10 05 00 AM Logged By Ashley Gallegos 4/30/2014 10 12 57 AM Completed By Ashley Gallegos 4/30/2014 10 12 57 AM Reviewed By Ashley Gallegos 4/30/2014 10 12 57 AM Chain of Custody Ashley Gallegos 4/30/2014 10 12 57 AM 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Ye '6 Sample(s) in proper container(s)? Ye | | | No No No | | Not Present Not Present NA | ✓ |
| Logged By Ashley Gallegos 4/30/2014 10 05 00 AM Completed By Ashley Gallegos 4/30/2014 10 12 57 AM Reviewed By Ashley Gallegos 0/1/30/14 Chain of Custody Ashley Gallegos 0/1/30/14 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Ye 16 Sample(s) in proper container(s)? Ye | s Iv urier es v s v | | No No No | · · · · · · · · · · · · · · · · · · · | Not Present Not Present NA | ✓ |
| Completed By Ashley Gallegos 4/30/2014 10 12 57 AM Reviewed By Ashley Gallegos 04/30/14 Chain of Custody Ashley Gallegos 04/30/14 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co Log In 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 16 Sample(s) in proper container(s)? Yes | s v s v urler 95 V 88 V 95 Y | | No No No | ; ; ; | Not Present Not Present NA | ✓ |
| Reviewed By D//30/14 Chain of Custody Ye 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co Log In Ye 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 60 C Ye '6 Sample(s) in proper container(s)? Ye | s s v urier es v s v ss v | | No No No | I I I | Not Present Not Present NA | ✓ |
| Chain of Custody Ye 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes '6 Sample(s) in proper container(s)? Yes | s v <u>urier</u> es v s v | | No No No | , , | Not Present Not Present NA | ✓ |
| 1 Custody seals intact on sample bottles? Ye 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 16 Sample(s) in proper container(s)? Yes | s v urier es v s v | | No No No | י ד | Not Present Not Present NA | ✓ |
| 2 Is Chain of Custody complete? Ye 3 How was the sample delivered? Co 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 6 Sample(s) in proper container(s)? Yes | s v urier es s s | | No No | 1 | Not Present | |
| 3 How was the sample delivered? Co Log In 4 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 16 Sample(s) in proper container(s)? Yes | urier >s s vs Y | 1 | No | ſ | NA | |
| Log In 4 Was an attempt made to cool the samples? Ye 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 6 Sample(s) in proper container(s)? Yes | 98 V 8 V 98 Y | • | No No | 1 | NA | |
| 14 Was an attempt made to cool the samples? Yes 15 Were all samples received at a temperature of >0 C to 6 0 C Yes 16 Sample(s) in proper container(s)? Yes | 98 V 8 V 98 Y | 1 | No No | i | NA | |
| 5 Were all samples received at a temperature of >0 C to 6 0 C Yes 16 Sample(s) in proper container(s)? Yes | 6 🗸 | 9 | No | | | |
| ¹ 6 Sample(s) in proper container(s)? Ye | 98 Y | | | | NA | |
| | | [| No | | | |
| 7 Sufficient sample volume for indicated test(s)? Ye | s 🗹 | 1 | No | 11 | | |
| 8 Are samples (except VOA and ONG) properly preserved? Ye | s 🗹 | | No | I | | |
| 9 Was preservative added to bottles? Ye | 8 | 1 | No | | NA | |
| 10 VOA viais have zero headspace? Ye | s ' | I | No | ł | No VOA Vials | ~ |
| 11 Were any sample containers received broken? Ye |)S | i | No | • | # of preserved | |
| 12 Does paperwork match bottle labels? Ye | s IV | , | No | | for pH | a |
| (Note discrepancies on chain of custody) | | | | | A | (<2 or >12 unless noted) |
| 13 Are matrices correctly identified on Chain of Custody? Ye | s 🗹 | , | No | 11 | I Adjusted | IV. |
| 14 is it clear what analyses were requested? Ye | s 🗹 |] | No | '' | Chocked | by |
| 15 Were all holding times able to be met? Ye (If no notify customer for authorization) | sl⊻ | 1 | NO | LJ | | |
| Special Handling (if applicable) | | | | | | |
| 16 Was client notified of all discrepancies with this order? Ye | \$ | 1 | No | | NA | v |
| Person Notified Date | | | | <u>a strang</u> | | |
| By Whom Via I ef | Viail | ı | Phone | Fax | In Person | |
| Regarding | | | | | | <u></u> |
| Client Instructions | | وخذيفهم | | | | ••••• |
| 17 Additional remarks | | | | | | |
| 18 Cooler Information | | | | | | |
| Cooler No. [Temp °C Condition, [Seal Intact Seal No Seal | <u>Date</u> | | Signed I | By | | |
| 1 10 Good Yes | | | | |] | |
| | | | | | | |

| L | ,nain | -OT-UU | loay kecora | | 1 II I O | | 1 | | | | | | | et p | | | | | |
|------------------|------------------|--------------|---|---------------------------|-----------------------|-------------------------------|---------------------|-----------|------------------|-----------|-----------|------------|--------------------------------|-------------|-----------|-----------|-------------|-------|-------------|
| Client | Aum | s Envir | connentue Services | Standard Project Name | | Same day | | | | A | AL NA | L C LY: | | SL meni | | BO | RA7 | ΓOF | RY |
| Mailing | Address | 674 | 9 Imana malad | Cops | J 29-7 = | ¥52 | | 49 | 01 H | awkır | s NE | A | buau | erau | e Ni | M 87 | 109 | | |
| | Ē | um maha | N. ALA \$7401 | Project # | <u></u> | | Í | Te | el 50 | 5-34 | 5-397 | 5 | Fax | 505- | 345- | -4107 | , | | |
| Phone | # 505 | - 564 - | 2281 | | | | | | | | | Anal | ysis | Req | uest | t | | | |
| email o | r Fax# | | | Project Mana | ger | | 1) | nly) | | | | | 04) | \$ | | | | | |
| QA/QC IX Stan | Package Idard | | Level 4 (Full Validation) | D Wat | ien | | e (802 ⁻ | (Gas o | RO / | | | | PO4 S | 2 PCB \$ | | | | | |
| Accred | rtation AP | □ Othe | r | Sampler 6 | ₹ Skyle Mygs | ·S ⊡ No | | + TPH | 30 / D | 18 1) | 04 1) | | D ₃ NO ₂ | 3 / 808 | | (A | | | S N |
| |) (Type) | · · · | | Sample Tem | perature. | 12 Constant | 王 | ШШ | Ū | 4 b | od 5 | etals | Ž | side: | F | <u>}</u> | | | کر ا |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO | BTEX + M | BTEX + MI | TPH 8015E | TPH (Meth | EDB (Meth | RCRA 8 M | Anions (F C | 8081 Pestic | 8260B (VO | 8270 (Sem | | | Air Bubbles |
| | 14.35 | 50:1 | 56-1 | MEOH Kit | Mech | -001 | | | \mathbf{x} | | | 1 | | | | | | | |
| | 11 35 | Sol | 56-3 | Medther | Meet | -002 | | | X | | | | | | | | | | |
| | 14 16 | 5051 | 56-4 | MECH VIT | MEDY | -003 | X | | × | | | | | | | | | | |
| | 11 42 | Sent | 56-5 | Mech KA | Mecil new | -004 | X | | X | | \mp | ╞ | | | | | | | |
| | | | | | | | | | | | | | | | | | _ | | |
| | | | | | | | | | | | | | | | | | + | + | |
| | | | | | | | | | | | | | | | | | | | |
| <u></u> | | | | | | | | | | | | | | | | | | | |
| Date | | Relinquishe | ad by | Beceived by | J | Date Time | Ren | nark | s B | iù t |) (cr | ein 1 | ⁹ u]]; | rs P | | | | | |
| halm | 1740/ | W | Walt - | Jahren . | Mar | 104/30/1 104/30/1 | H De | 5 | | | | | | | | | | | |
| . 1 | f necessary | samples subr | nitted to Hall Environmental may be sub | contracted to other a | ccledited laboratorie | This ferves as notice of this | i posali | bility | Any su | b-contri | icted da | nta will b | e clea | ty note | ated or | n the ar | ualytical r | eport | |



May 05 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington, NM 87401 TEL (505) 486 4071 FAX

RE COP SJ 29 7#52

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

OrderNo 1404C13

Dear Debbie Watson

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/30/2014 for the analyses presented in the following report

These were analyzed according to EPA procedures or equivalent To access our accredited tests please go to <u>www hallenvironmental com</u> or the state specific web sites In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please dont hesitate to contact HEAL for any additional information or clarifications

ADHS Cert #AZ0682 NMED DWB Cert #NM9425 - NMED Micro Cert #NM0190

Sincerely

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque NM 87109

| Hall Er | nvironmental Analy | | Lab Order 1404C13 Date Reported 5/5/2014 | | | | | |
|-----------------------------|---|------------|---|---|---------------------------------|---|----------------|--|
| CLIENT Project Lab ID | Animas Environmental COP SJ 29 7#52 1404C13 001 | Matrix | SOIL | Client Sample Collection D Received D | e ID SC Date 4/2 Date 4/2 | C 2 29/2014 11 30 00 AM 30/2014 10 05 00 AM | | |
| Analyses | | Result | RL | Qual Units | DF | Date Analyzed | Batch | |
| ËPA MET | THOD 8015D DIESEL RANG | E ORGANICS | | | | Analys | BCN | |
| Diesel R Surr_f | ange Organics (DRO) DNOP | ND 92 8 | 10 57 9 140 | mg/Kg % REC | 1 1 | 5/2/2014 3 26 00 PM 5/2/2014 3 26 00 PM | 12956 12956 | |
| EPA MET | HOD 8015D GASOLINE RA | NGE | | | | Analys | NSB | |
| Gasoline Surr E | e Range Organics (GRO) BFB | ND 85 1 | 5 0 74 5 129 | mg/Kg / REC | 1 1 | 5/1/2014 3 34 23 PM 5/1/2014 3 34 23 PM | 12950 12950 | |

Analytical Report

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

-

| Qualifiers | + | Value exceeds Maximum Contaminant Level | В | Analyte detected in the associated Metho | od Blank |
|------------|---|---|----|---|-------------|
| | E | Value above quantitation range | Н | Holding times for preparation or analysis | s exceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | Page 1 of 3 |
| | 0 | RSD is greater than RSDlimit | Р | Sample pH greater than 2 | Tage 1015 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

WO# 1404C13

06-May 14

| Client | Anıma | s Environmental | | | |
|----------------|-------------------|-----------------|--------------|---|------|
| Project | COP S | J 29 7#52 | | | |
| Sample ID | MB 12956 | SampType | MBLK | TestCode EPA Method 8015D Diesel Range Organics | |
| Client ID | PBS | Batch ID | 12956 | RunNo 18327 | |
| Prep Date | 5/1/2014 | Analysis Date | 5/1/2014 | SeqNo 529725 Units mg/Kg | |
| Analyte | | Result P | QL SPK value | SPK Ref Val //REC LowLimit HighLimit / RPD RPDLimit | Qual |
| Diesel Range | Organics (DRO) | ND | 10 | | |
| Motor Oil Rang | je Organics (MRO) | ND | 50 | | |
| Surr DNOP | | 87 | 10 00 | 87 3 57 9 140 | |
| Sample ID | LCS 12956 | SampType | LCS | TestCode EPA Method 8015D Diesel Range Organics | |
| Client ID | LCSS | Batch ID | 12956 | RunNo 18327 | |
| Prep Date | 5/1/2014 | Analysis Date | 5/1/2014 | SeqNo 529726 Units mg/Kg | |
| Analyte | | Result PC | QL SPK value | SPK Ref Val % REC LowLimit HighLimit / RPD RPDLimit (| Qual |
| Diesel Range | Organics (DRO) | 46 | 10 50 00 | 0 91 8 60 8 145 | |
| Surr DNOP | | 4 7 | 5 000 | 94 0 57 9 140 | |
| Sample ID | MB 12982 | SampType | MBLK | TestCode EPA Method 8015D Diesel Range Organics | |
| Client ID | PBS | Batch ID | 12982 | RunNo 18356 | |
| Prep Date | 5/2/2014 | Analysis Date | 5/2/2014 | SeqNo 530268 Units / REC | |
| Analyte | | Result PC | L SPK value | SPK Ref Val / REC LowLimit HighLimit / RPD RPDLimit C | Qual |
| Surr DNOP | | 84 | 10 00 | 84 4 57 9 140 | |
| Sample ID | LCS 12982 | SampType | LCS | TestCode EPA Method 8015D Diesel Range Organics | |
| Client ID | LCSS | Batch ID | 12982 | RunNo 18356 | |
| Prep Date | 5/2/2014 | Analysis Date | 5/2/2014 | SeqNo 530310 Units / REC | |
| Analyte | | Result PC | L SPK value | SPK Ref Val / REC LowLimit HighLimit / RPD RPDLimit (| Qual |
| Sur DNOP | | 4 4 | 5 000 | 88 8 57 9 140 | |

Qualifiers

- Value exceeds Maximum Contaminant Level
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Р Sample pH greater than 2
- RL Reporting Detection Limit

Page 2 of 3

| Hall | Environmental | Analysis | Laboratory, | Inc |
|------|---------------|----------|-------------|-----|
|------|---------------|----------|-------------|-----|

Client Project Animas Environmental COP SJ 29 7#52

| Sample ID | MB 12950 | SampTy | pe MI | BLK | Test | tCode E | PA Method | 8015D Ga | isoline Rang | e | |
|--|--|---|---|--|--|--|--|---|--|--------------------------------------|------|
| Client ID | PBS | Batch | ID 12 | 950 | R | lunNo 1 | 8348 | | | | |
| Prep Date | 4/30/2014 | Analysis Da | ite 5 / | 1/2014 | S | eqNo 5 | 30007 | Units m g | g/Kg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | / REC | LowLimit | HighLimi | t / RPD | RPDLimit | Qual |
| Gasoline Rang | e Organics (GRO) | ND | 50 | | | | | | | | |
| Surr BFB | | 840 | | 1000 | | 84 5 | 74 5 | 129 |) | | |
| Sample ID | LCS 12950 | SampTy | pe LC | S | Test | tCode E | PA Method | 8015D Ga | soline Rang | | |
| Client ID | LCSS | Batch | ID 12 | 950 | R | lunNo 1 | 8348 | | | | |
| Prep Date | 4/30/2014 | Analysis Da | ite 5 / | 1/2014 | S | eqNo 5 | 30008 | Units mg | g/Kg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimi | t / RPD | RPDLimit | Qual |
| Gasoline Rang | e Organics (GRO) | 25 | 50 | 25 00 | 0 | 99 0 | 717 | 134 | ļ | | |
| Surr BEB | | 020 | | 1000 | | 01.0 | 74 5 | 100 | ` | | |
| | | 920 | | 1000 | | 919 | 745 | 128 | , | | _ |
| Sample ID | 1404C12 001AMS | SampTy | pe MS | 3 | Test | Code E | PA Method | 8015D Ga | soline Rang | 0 | |
| Sample ID Client ID | 1404C12 001AMS BatchQC | SampTy Batch | pe MS | 950 | Test R | Code E | PA Method 8348 | 8015D Ga | soline Rang | e | - |
| Sample ID Client ID Prep Date | 1404C12 001AMS BatchQC 4/30/2014 | SampTy Batch Analysis Da | pe M \$ ID 12 ite 5 / | 950 1/2014 | Test R S | Code E tunNo 1 GeqNo 5 | PA Method 8348 30010 | 8015D Ga | , soline Rang g/Kg | e | |
| Sample ID Client ID Prep Date Analyte | 1404C12 001AMS BatchQC 4/30/2014 | SampTy Batch Analysis Da Result | pe M \$ ID 12 Ite 5 / PQL | 950 1/2014 SPK value | Test R S SPK Ref Val | Code E RunNo 1 GeqNo 5 &REC | PA Method 8348 30010 LowLimit | 8015D Ga Units mg HighLimi | soline Rang g/Kg t %RPD | e RPDLimit | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang | 1404C12 001AMS BatchQC 4/30/2014 e Organics (GRO) | SampTy Batch Analysis Da Result 24 | pe M \$ ID 12 Ite 5 / PQL 4 7 | 950 1/2014 SPK value 23 63 | Test R S SPK Ref Val 0 | Code El cunNo 1 ceqNo 5 <u>&REC</u> 104 | PA Method 8348 30010 LowLimit 69 5 | 8015D Ga Units mg HighLimi 145 | soline Rang g/Kg t &RPD | e RPDLimit | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang Surr BFB | 1404C12 001AMS BatchQC 4/30/2014 re Organics (GRO) | SampTy Batch Analysis Da Result 24 890 | pe M\$ ID 12 Ite 5 / PQL 47 | 5 950 1/2014 23 63 945 2 | Tesi R SPK Ref Val 0 | Code E cunNo 1 ieqNo 5 /AREC 104 93 9 | PA Method 8348 30010 LowLimit 69 5 74 5 | Units mg HighLimi 145 | g/Kg (ARPD) | e RPDLimit | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang Surr BFB | 1404C12 001AMS BatchQC 4/30/2014 e Organics (GRO) 1404C12 001AMSI | SampTy Batch Analysis Da Result 24 890 D SampTy | pe MS ID 12 te 5/ PQL 47 pe MS | 950 1/2014 SPK value 23 63 945 2 | Test R S SPK Ref Val 0 Test | Code E CunNo 1 SeqNo 5 AREC 104 939 | PA Method 8348 30010 LowLimit 69 5 74 5 PA Method | Units mg HighLimi 145 225 8015D Ga | g/Kg t %RPD | e RPDLimit | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang Surr BFB Sample ID Client ID | 1404C12 001AMS BatchQC 4/30/2014 le Organics (GRO) 1404C12 001AMSI BatchQC | SampTy Batch Analysis Da Result 24 890 D SampTy Batch | pe MS ID 12 Ite 5/ PQL 47 pe MS ID 12 | 3 950 1/2014 23 63 945 2 SD 950 | Test R SPK Ref Val 0 Test R | Code E LunNo 1 6eqNo 5 /04 939 Code E LunNo 1 | PA Method 8348 30010 LowLimit 69 5 74 5 PA Method 8348 | Units mg HighLimi 145 229 8015D Ga | g/Kg (ARPD) (Soline Rang | e RPDLimit | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang Suir BFB Sample ID Client ID Prep Date | 1404C12 001AMS BatchQC 4/30/2014 e Organics (GRO) 1404C12 001AMS BatchQC 4/30/2014 | SampTy Batch Analysis Da Result 24 890 D SampTy Batch Analysis Da | pe MS ID 12 te 5/ PQL 47 pe MS ID 12 te 5/ | 3 950 1/2014 23 63 945 2 3D 950 1/2014 | Tesi R SPK Ref Val 0 Tesi R S | Code E LunNo 1 GeqNo 5 //REC 104 939 Code E LunNo 1 SeqNo 5 | PA Method 8348 30010 LowLimit 69 5 74 5 PA Method 8348 30011 | Units mg HighLimi 145 129 8015D Ga | g/Kg (ARPD) (Soline Rang (Kg | e RPDLimit | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang Surr BFB Sample ID Client ID Prep Date Analyte | 1404C12 001AMS BatchQC 4/30/2014 e Organics (GRO) 1404C12 001AMS BatchQC 4/30/2014 | SampTy Batch Analysis Da Result 24 890 D SampTy Batch Analysis Da Result | pe MS ID 12 Ite 5/ PQL 47 PQL ID 12 Ite 5/ PQL | 3 950 1/2014 SPK value 23 63 945 2 3D 950 1/2014 SPK value | Test R S SPK Ref Val 0 Test R SPK Ref Val | Code E RunNo 1 SeqNo 5 /AREC 104 93 9 Code E RunNo 1 SeqNo 5 /AREC | PA Method 8348 30010 LowLimit 69 5 74 5 PA Method 8348 30011 LowLimit | Units mg HighLimi 145 8015D Ga Units mg HighLimi | g/Kg b /Kg b /KPD c c c c c c c c c c c c c c c c c c c | e RPDLimit e | Qual |
| Sample ID Client ID Prep Date Analyte Gasoline Rang Surr BFB Sample ID Client ID Prep Date Analyte Gasoline Rang | 1404C12 001AMS BatchQC 4/30/2014 e Organics (GRO) 1404C12 001AMS BatchQC 4/30/2014 e Organics (GRO) | SampTy Batch Analysis Da Result 24 890 D SampTy Batch Analysis Da Result 20 | pe MS ID 12 ID 12 ID 2 ID 12 ID 12 ID 12 ID 12 ID 12 ID 12 ID 12 ID 12 | 5 950 1/2014 SPK value 23 63 945 2 5D 950 1/2014 SPK value 23 67 | Test R S SPK Ref Val 0 Test R S SPK Ref Val 0 | Code E 2000 5 600 5 600 5 600 5 704 93 9 700 5 700 5 7000 5 7000 5 70000000000 | PA Method 8348 30010 LowLimit 69 5 74 5 PA Method 8348 30011 LowLimit 69 5 | Units mg HighLimi 145 125 8015D Ga Units mg HighLimi 145 | g/Kg b soline Rang soline Rang g/Kg b y/Kg b 17 9 | e RPDLimit e RPDLimit 20 | Qual |

Qualifiers

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2
- RL Reporting Detection Limit

WO# 1404C13

06 May 14

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue NM 87109 TEL 505 345 3975 FAX 505 345-4107 Website www hallenvironmental com

Sample Log-In Check List

| Client Name Animas Environmental Work Order Number | er 1404C13 | | RcptNo 1 | |
|---|------------|--------|----------------------|---------------|
| Received by/date | 14 | | | |
| Logged By Ashley Gallegos 4/30/2014 10 05 00 / | MA | A | | |
| Completed By Ashley Gailegos 4/30/2014 1 11 09 P | M | AZ | | |
| Reviewed By. In 04/30/14 | | v | | |
| Chain of Custody | - | | | |
| 1 Custody seals intact on sample bottles? | Yes 📑 | No _ | Not Present 🗹 | |
| 2 Is Chain of Custody complete? | Yes 🔽 | No | Not Present | |
| 3 How was the sample delivered? | Courier | | | |
| Log In | | | | |
| 4 Was an attempt made to cool the samples? | Yes 🗸 | No | NA | |
| 5 Were all samples received at a temperature of >0 C to 6 0 C | Yes 🖌 | No | NA | |
| 6 Sample(s) in proper container(s)? | Yes 🗹 | No 🗍 | | |
| 7 Sufficient sample volume for indicated test(s)? | Yes 🗹 | No i | | |
| 8 Are samples (except VOA and ONG) properly preserved? | Yes 🗸 | No | | |
| 9 Was preservative added to bottles? | Yes | No 🗸 | NA | |
| 10 VOA vials have zero headspace? | Yes _ | No | No VOA Vials 🗸 | |
| 11 Were any sample containers received broken? | Yes L | No 🜱 1 | # of preserved | |
| 12 Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes 🗹 | No [] | for pH (<2 or >12 | unless noted) |
| 13 Are matrices correctly identified on Chain of Custody? | Yes 🗹 | No 🗔 | Adjusted? | |
| 14 Is it clear what analyses were requested? | Yes 🔽 | No ' | | |
| 15 Were all holding times able to be met? (If no notify customer for authonization) | Yes Ϋ | No | Checked by | |

| 16 | Was client notified of all discrepancies with | n this order? | Yes L | No | NA | V |
|----|--|-----------------------|-----------|-----------------|-----------|-----|
| | Person Notified | Date | | | | |
| | By Whom | Via | 🗌 eMail 🚺 | Phone L Fax | in Person | |
| | Regarding | | | | | |
| | Client Instructions | | | | | - 1 |
| 17 | Additional remarks | | | | | |
| 18 | Cooler Information Cooler No Temp *C Condition 1 j1 0 Good Y | Seal Intact Seal No | Seal Date | Signed By | | |
| | Page 1 of 1 | <u> </u> | | _ - ···· | <u> </u> | = |
| ł | | | | | | |

| Client Mailing | Address | Environ 624 E Mington | Coma manch c | Standard Rush Project Name CoP SJ SJ 29-7 Project # | | | | HALL ENVIRONMEN ANALYSIS LABORAT www.halienvironmental.com 4901 Hawkins NE Albuquerque NM 87109 Tel 505-345-3975 Fax 505-345-4107 Analysis Request | | | | | | | Y | | | | | |
|--------------------------------|-----------------------------------|---|--|--|-------------------------------------|---|-----------------|---|----------------|-----------------|-----------------|-------------------|----------------------|------------------------------|-------------------|-------------|-----------------|---------|---------|-------------------|
| Accredit | Fax# Package dard | | Level 4 (Full Validation) | Project Mana | iger m <u>SKy/eS</u> | | MBs (8021) | FPH (Gas only) | ORO UN | 1) | 1) | 270 SIMS) | | NO2 PO4 SO4) | 8082 PCB's | | | | | |
| Date | (Type) _ Time | Matrix | Sample Request ID | Oh lee Sample Lem Container Type and # | Preservative Type | HEALNO | BTEX + MTBE + " | BTEX + MTBE + " | TPH 8015B (GRC | TPH (Method 418 | EDB (Method 504 | PAH s (8310 or 82 | RCRA 8 Metals | Anions (F CI NO ₃ | 8081 Pesticides / | 8260B (VOA) | 8270 (Semi VOA) | | | Air Rithhlac (V n |
| <u>4</u> 2 7]14 | <u>11 30</u> | 50;) | 56-2 | 1-402 | HD12 | -001 | | | | | | | | | | | | | | |
| Date 29/14 Date 29/14 | Time Time 1740 necessary | Relinguishe Relinguishe Relinguishe | ed by: Sg - work - Would to Hell Environmental may be subo | Received by MU-UA Rederved by MA-DI PLA contracted to other as | A Alalle coredited laboratory | Date Time 42414 1714 Date Time 04/30 14 1005 The serves as notice of the | Ren | nark: | S B. | 11 fo |) Ce | j data | , t ⁱ l | 1.1142 | S | ated or | n the a | nalytic | a) repo | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

May 06, 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington NM 87401 TEL (505) 486 4071 FAX

RE CoP SJ 29 7 #52

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque NM 87109 TEL 505 345 3975 FAX 505 345 4107 Website <u>www.hallenvironmental.com</u>

OrderNo 1405102

Dear Debbie Watson

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/3/2014 for the analyses presented in the following report

These were analyzed according to EPA procedures or equivalent To access our accredited tests please go to <u>www hallenvironmental com</u> or the state specific web sites In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary data qualifers are provided on both the sample analysis report and the QC summary report both sections should be reviewed. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don t hesitate to contact HEAL for any additional information or clarifications

ADHS Cert #AZ0682 NMED DWB Cert #NM9425 NMED Micro Cert #NM0190

Sincerely

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque NM 87109

| CLIENT | Animas Environmental | | | C | lient Sampl | le ID SC | 6 | |
|----------|-------------------------|----------|----------|------|-------------|----------|----------------------|--------|
| Project | CoP SJ 29 7 #52 | | | | Collection | Date 5/2 | /2014 11 20 00 AM | |
| Lab ID | 1405102 001 | Matrix | SOIL | | Received | Date 5/3 | /2014 10 20 00 AM | |
| Analyses | | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | THOD 8015D DIESEL RANGE | ORGANICS | | | | | Analyst | JME |
| Diesel R | ange Organics (DRO) | 640 | 10 | | mg/Kg | 1 | 5/5/2014 11 16 48 AM | 12995 |
| Surr I | DNOP | 101 | 57 9 140 | | / REC | 1 | 5/5/2014 11 16 48 AM | 12995 |
| EPA MEI | THOD 8015D GASOLINE RAI | NGE | | | | | Analyst | NSB |
| Gasoline | e Range Organics (GRO) | 98 | 16 | | mg/Kg | 5 | 5/5/2014 9 52 28 AM | R18376 |
| Surr I | BFB | 204 | 74 5 129 | S | / REC | 5 | 5/5/2014 9 52 28 AM | R18376 |
| EPA MEI | THOD 8021B VOLATILES | | | | | | Analyst | NSB |
| Benzene | • | ND | 0 081 | | mg/Kg | 5 | 5/5/2014 9 52 28 AM | R18376 |
| Toluene | | ND | 0 16 | | mg/Kg | 5 | 5/5/2014 9 52 28 AM | R18376 |
| Ethylben | zene | 0 38 | 0 16 | | mg/Kg | 5 | 5/5/2014 9 52 28 AM | R18376 |
| Xylenes | Total | 5 2 | 0 32 | | mg/Kg | 5 | 5/5/2014 9 52 28 AM | R18376 |
| Surr 4 | 4 Bromofluorobenzene | 112 | 80 120 | | / REC | 5 | 5/5/2014 9 52 28 AM | R18376 |

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

| Qualifiers | | Value exceeds Maximum Contaminant Level | В | Analyte detected in the associated Metho | od Blank |
|------------|---|---|----|---|--------------|
| | Е | Value above quantitation range | Н | Holding times for preparation or analysis | sexceeded |
| | J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit | Page 1 of 4 |
| | 0 | RSD is greater than RSDlimit | Р | Sample pH greater than 2 | 1 age 1 01 4 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | Spike Recovery outside accepted recovery limits | | | |

Analytical Report Lab Order 1405102

Date Reported 5/6/2014

Hall Environmental Analysis Laboratory, Inc

Hall Environmental Analysis Laboratory, Inc

Chent Animas Environmental Project

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CoP SJ 29 7 #52

| Sample ID MB 12995 | SampType MBLK | TestCode EPA Method 8015D Diesel Range Organics |
|--|---|---|
| Client ID PBS | Batch ID 12995 | RunNo 18374 |
| Prep Date 5/5/2014 | Analysis Date 5/5/2014 | 4 SeqNo 530743 Units mg/Kg |
| Analyte | Result PQL SPK | xalue SPK Ref Val % REC LowLimit HighLimit / RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | ND 10 | |
| Sur DNOP | 82 | 10 00 81 9 57 9 140 |
| Sample ID I CS 42005 | 0 | |
| Sample ID LCS 12995 | Samplype LCS | lestCode EPA Method 8015D Diesel Range Organics |
| Client ID LCSS | Batch ID 12995 | RunNo 18374 |
| Client ID LCS Prep Date 5/5/2014 | Batch ID 12995 Analysis Date 5/5/2014 | RunNo 18374 4 SeqNo 530744 Units mg/Kg |
| Client ID LCSS Prep Date 5/5/2014 Analyte | SampType LCS Batch ID 12995 Analysis Date 5/5/2014 Result PQL SPK | I estCode EPA Method 8015D Diesel Range Organics RunNo 18374 4 SeqNo 530744 Units mg/Kg K value SPK Ref Val &REC LowLimit HighLimit / RPD RPDLimit Qual |
| Client ID LCSS Prep Date 5/5/2014 Analyte Diesel Range Organics (DRO) | SampType LCS Batch ID 12995 Analysis Date 5/5/2014 Result PQL SPK 44 10 | IestCode EPA Method 8015D Diesel Range Organics RunNo 18374 4 SeqNo 530744 Units mg/Kg K value SPK Ref Val /aREC LowLimit HighLimit / RPD RPDLimit Qual 50 00 0 88 0 60 8 145 |

Qualifiers

- Value exceeds Maximum Contaminant Level
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2
- RL Reporting Detection Limit

06 May 14

1405102

WO#

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Hall Environmental Analysis Laboratory, Inc

Client Animas Environmental Project

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CoP SJ 29 7 #52

| Sample ID MB 12990 MK | Samp | Гуре МЕ | BLK | Tes | tCode El | PA Method | 8015D Gase | oline Rang | e | |
|---|--|--|---|-----------------------------------|---|--|--|--------------------------|---------------|------|
| Client ID PBS | Batc | h ID R1 | 8376 | F | RunNo 1 | 8376 | | | | |
| Prep Date | Analysis [| Date 5/ | 5/2014 | 5 | SeqNo 5 | 31630 | Units mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | / REC | LowLimit | HighLimit | % RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 50 | | | | | | | | |
| Surr BFB | 840 | | 1000 | | 84 2 | 74 5 | 129 | | | |
| | | | | <u> </u> | | | | | | |
| Sample ID LCS 12990 MK | Samp | Type LC | s | Tes | tCode El | PA Method | 8015D Gase | oline Rang | e | |
| Sample ID LCS 12990 MK Client ID LCSS | Samp1 Batcl | Type LC hiD R1 | :S 8376 | Tes F | tCode El RunNo 1 | PA Method 8376 | 8015D Gase | oline Rang | e | |
| Sample ID LCS 12990 MK Client ID LCSS Prep Date | Samp1 Batcl Analysis [| Type LC h ID R1 Date 5/ | :S 8376 /5/2014 | Tes F | tCode El RunNo 1 SeqNo 5 | PA Method 8376 31635 | 8015D Gaso Units mg/F | oline Rang | e | |
| Sample ID LCS 12990 MK Client ID LCSS Prep Date Analyte | SampT Batcl Analysis I Result | Type LC h ID R1 Date 5/ PQL | 35 8376 5/2014 SPK value | Tes F S SPK Ref Val | tCode El RunNo 1 SeqNo 5 / REC | PA Method 8376 31635 LowLimit | 8015D Gaso Units mg/F HighLimit | oline Rang (g %RPD | e RPDLimit | Qual |
| Sample ID LCS 12990 MK Client ID LCSS Prep Date Analyte Gasoline Range Organics (GRO) | SampT Batcl Analysis D Result 24 | Type LC h ID R1 Date 5/ PQL 50 | S 8376 5/2014 SPK value 25 00 | Tes F S SPK Ref Val 0 | tCode El RunNo 1 SeqNo 5 / REC 95 3 | PA Method 8376 31635 LowLimit 71 7 | 8015D Gaso Units mg/F HighLimit 134 | oline Rang (g %RPD | e RPDLimit | Qual |

Qualifiers

- Value exceeds Maximum Contaminant Level
- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2
- RL Reporting Detection Limit

1405102 06-May 14

WO#

Hall Environmental Analysis Laboratory, Inc

Chent Animas Environmental

CoP SJ 29 7 #52 Project

| Sample ID | MB 12990 MK | Samp | Туре М | BLK | Tes | tCode E | PA Method | 8021B Vola | tiles | | |
|--|-----------------|---|--|---|---|---|--|--|----------------------|----------|---------|
| Client ID | PBS | Batc | hID R | 18376 | F | RunNo 1 | 8376 | | | | |
| Prep Date | | Analysis [| Date 5 | /5/2014 | 5 | SeqNo 5 | 31665 | Units mg/K | (g | | |
| Analyte | _ | Result | PQL | SPK value | SPK Ref Val | / REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0 050 | | | | | | | | |
| Toluene | | ND | 0 050 | | | | | | | | |
| Ethylbenzene | | ND | 0 050 | | | | | | | | |
| Xylenes Total | l | ND | 0 10 | | | | | | | | |
| | | | | 4 000 | | 00.1 | 20 | 120 | | | |
| Surr 4 Bron | hofluorobenzene | 0.99 | | 1000 | | 99 1 | 00 | 120 | | | |
| Surr 4 Bron | 100NG BTEX LCS | 0 99 =================================== | Гуре Ц | cs | Tes | tCode El | PA Method | 8021B Volat | tiles | | |
| Surr 4 Bron Sample ID Client ID | 100NG BTEX LCS | 0 99 Samp ⁷ Batc | Type Lo hID R | CS 18376 | Tes F | tCode El | PA Method 8376 | 8021B Volat | liles | | <u></u> |
| Surr 4 Bron Sample ID Client ID Prep Date | 100NG BTEX LCS | 0 99 Samp Batc Analysis [| Type Lo h ID R Date 5 | 1000 CS 18376 /5/2014 | Tes F S | tCode El RunNo 1 GeqNo 5 | PA Method 8376 31666 | 8021B Volat | illes G | | |
| Surr 4 Bron Sample ID Client ID Prep Date Analyte | 100NG BTEX LCS | 0 99 Samp Batc Analysis [Result | Type Lo h ID R Date 5 PQL | 18376 /5/2014 SPK value | Tes F S SPK Ref Val | tCode El RunNo 1 GeqNo 5 | PA Method 8376 31666 LowLimit | 8021B Volat Units mg/K HighLimit | iiles ig / RPD | RPDLimit | Qual |
| Surr 4 Bron Sample ID Client ID Prep Date Analyte Benzene | 100NG BTEX LCS | 0 99 Samp Batc Analysis [Result 1 2 | Type Lo h ID R Date 5 PQL 0 050 | 1000 CS 18376 /5/2014 SPK value 1 000 | Tes F S SPK Ref Val 0 | tCode El RunNo 1 SeqNo 5 <u>% REC</u> 119 | PA Method 8376 31666 LowLimit 80 | 8021B Volat Units mg/K HighLimit 120 | iiles g / RPD | RPDLimit | Qual |
| Surr 4 Bron Sample ID Client ID Prep Date Analyte Benzene Toluene | 100NG BTEX LCS | Samp Batc Analysis I Result 1 2 1 1 | Type L0 h ID R Date 5 PQL 0 050 0 050 | 1000 CS 18376 /5/2014 SPK value 1 000 1 000 | Tes F SPK Ref Val 0 0 | 5000 El RunNo 1 BeqNo 5 9 REC 119 109 | PA Method 8376 31666 LowLimit 80 80 | 8021B Volat Units mg/K HighLimit 120 120 | illes g / RPD | RPDLimit | Qual |
| Surr 4 Bron Sample ID Client ID Prep Date Analyte Benzene Toluene Ethylbenzene | 100NG BTEX LCS | 0 99 Samp Batc Analysis [Result 1 2 1 1 1 1 | Type L0 h ID R Date 5 PQL 0 050 0 050 0 050 0 050 | 1000 CS 18376 /5/2014 SPK value 1 000 1 000 1 000 | Tes F SPK Ref Val 0 0 0 0 | 99 1 tCode El tanNo 1 teqNo 5 <u>% REC</u> 119 109 108 | PA Method 8376 31666 LowLimit 80 80 80 | Units mg/K HighLimit 120 120 120 | illes /g /RPD | RPDLimit | Qual |
| Surr 4 Bron Sample ID Client ID Prep Date Analyte Benzene Toluene Ethylbenzene Xylenes Total | 100NG BTEX LCS | Samp Batc Analysis E Result 1 2 1 1 1 1 3 2 | Type L(h ID R Date 5 PQL 0 050 0 050 0 050 0 10 | 1000 CS 18376 /5/2014 SPK value 1 000 1 000 1 000 3 000 | Tes F SPK Ref Val 0 0 0 0 0 0 | 2004 El RunNo 1 SeqNo 5 <u>9 REC</u> 119 109 108 107 | PA Method 8376 31666 LowLimit 80 80 80 80 80 | 8021B Volat Units mg/K HighLimit 120 120 120 120 | illes (g / RPD | RPDLimit | Qual |

Qualifiers

- * Value exceeds Maximum Contaminant Level
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Ρ Sample pH greater than 2
- RL Reporting Detection Limit

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WO# 1405102 06 May 14

| ENVIRONMENTAL ANALYSIS LABORATORY | Ali TEL 505-345 397 Websile www.h | 4901 Hawkins buquerque NM 87 5 FAX 505 345 4 callenvironmental | NE 109 Sam 1107 com | ple Log-In C | heck List |
|--|---|---|-------------------------------------|------------------------------------|---------------------|
| Client Name Animas Environmental | Work Order Numbe | r 1405102 | | RcptNo | 1 |
| Received by/date | 1/4 | | | | |
| Logged By Anne Thome | 5/3/2014 10.20 00 AN | A | ann Im | - | |
| Completed By Anne Thome | 5/5/2014 | | Den Il- | ~ | |
| Reviewed By AS15/14 | | | | | |
| Chain of Custody | | | | | |
| 1 Custody seals intact on sample bottles? | | Yes 🗌 | No 🗆 | Not Present 🗹 | |
| 2 Is Chain of Custody complete? | | Yes 🗹 | No 🗌 | Not Present | |
| 3 How was the sample delivered? | | Courler | | | |
| <u>Log In</u> | | | | | |
| 4 Was an attempt made to cool the samples | 3? | Yes 🗹 | No 🗆 | na 🗋 | |
| 5 Were all samples received at a temperature | reof>0Cto60C | Yes 🗹 | No 🗆 | NA 🗆 | |
| 6 Sample(s) in proper container(s)? | | Yes 🗹 | No 🗋 | | |
| 7 Sufficient sample volume for indicated test | (s)? | Yes 🗹 | No 🗀 | | |
| 8 Are samples (except VOA and ONG) prope | arly preserved? | Yes 🗹 | No 🗆 | | |
| 9 Was preservative added to bottles? | | Yes 🗌 | No 🗹 | na 🗆 | |
| 10 VOA vials have zero headspace? | | Yes \Box | No 🗆 | No VOA Vials 🗹 | |
| 11 Were any sample containers received brol | ken? | Yes 🗆 | No 🗹 | # of preserved | |
| 12 Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗆 | bottles checked for pH (<2 o | r >12 unless noted) |
| 13 Are matrices correctly identified on Chain of | of Custody? | Yes 🗹 | No 🗆 | Adjuated? | |
| 14 Is it clear what analyses were requested? | | Yes 🗹 | No 🗆 | | |
| 15 Were all holding times able to be met? (If no notify customer for authonization) | | Yes 🗹 | No 🗆 | Checked by | |
| Special Handling (if applicable) | | | | | |

| 16 Was client notified of all discrepancies with this order? | | | | Yes [|] | No 🗆 | na 🗹 |
|--|----------------------------|--|------|----------|-------|------|-----------|
| | Person Notified | | Date | <u> </u> | | | |
| | By Whom | | Via | 🔲 eMall | Phone | Fax | In Person |
| | Regarding | | | | | | |
| | Cilent Instructions | | | | | | |

17 Additional remarks

18 Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 10 | Good | Yes | | | |

Page 1 of 1

| Animas Environmental Services Mailing Address 624 E. Comanche Farmington, NM 87401 | | | | □ Standard A Rush Some Day Project Name CoP SJ 29-7 #52 Project # | | | | HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque NM 87109 Tel 505-345-3975 Fax 505-345-4107 | | | | | | | | | | | | | |
|--|---------------------------------------|---|-------------------|--|----------------------|---------------|----------------------------------|---|-----------|------------|-----------|-----------|-----------|-------------|-------------|------------|------------|-----|-----|--------|-------------|
| Phone | <u># 505</u> | 564-2 | 281 | | | | | | | | | A | naly | sis | Req | uest | | | | | |
| email of | r Fax# | | | Project Mana | ger | | E | Ę | | | | | } | ð | - 0 | | | - { | - { | Í | |
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| | (Type) | , And and and a | | Sample Tem | Derature | 10 | | BE | Q | A A | R | ō | gais | Ž | idei | F | 8 | | | | Z |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO | BTEX + R | BTEX + MT | TPH 8015B | TPH (Metho | EDB (Meth | PAHs (831 | RCRA 8 Me | Anions (F C | 8081 Pestic | 8260B (VO) | 8270 (Semi | | | | Air Bubbles |
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| ич /// | 1603 | Heather M Ubods | | Mistro Walter 5/11 1403 | | | remarks Bill to Cono co Phillips | | | | | | | | | | | | | | |
| 11 | 1644 | Received by Dette Time | | | | | | | | | | | | | | | | | | | |
| H | necessary | iny samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be notated on the an | | | | | | | | | | | | | | | | | | | |



