

Double L Queen Tank Battery

Incident # NAPM2303746352 Unit P, Section 36, T14S, R29E Chaves County, New Mexico February 16, 2023

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Location

The subject site is identified as the Double L Queen Tank Battery and is located within Unit P, Section 26, Township 14 South, Range 29 East, Chaves County, New Mexico. The site location is further described as being located at latitude 33.05539, and longitude -103.975098; see **Figure 1, Vicinity Map**.

Background

The subject site is an abandoned facility formerly operated by Canyon E&P. New Mexico Oil Conservation Division (NMOCD) took control over the site under the Orphan Well Program, and has contracted Envirotech, Inc. to complete a facility inventory, site characterization, and spill delineation.

Prior to field activities Envirotech reviewed historical images available on Google Earth to gain an understanding of the site history; see **Figure 2**, **Site Map** and **Appendix A**, **Historical Aerials**. The findings are summarized below:

- A 2019 aerial photograph from Google Earth illustrates a large release, subject of this delineation report, from the tank battery located on the northwest quadrant of the facility.
- The 2014 aerial photograph illustrates a release within the berm of the central tank battery of the facility.
- The 1997 aerial photograph illustrates a pit on the north central portion of the facility, and a possible release from the separator extending through the gate and along the spill path of the 2019 release.

Surface and Ground Water

Based on information provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the predominant soil at the site is Tencee-Sotim association. The parent material is calcareous alluvium and/or eolian deposits derived from sedimentary rock. Depth to a restrictive, petrocalcic feature is reported to be 7 to 20 inches. The location is not within an area of high karst occurrence.

Depth to water records in proximity to the subject site were searched extensively for reasonably ascertainable data. The nearest water well with data from 1994 is located over 2 miles from the subject site. Depth to water ranged from 50 to 55 feet from 1986 to 1994 in USGS 3302211040031. Furthermore, windmills with a stock pond are located southeast, approximately 1,083 feet, from the facility; **see Figure 2, Site Map**. The windmills are estimated to be 15 feet in height, indicating relatively shallow depths to groundwater.

The site is located within a watershed basin with several playa lakes in the vicinity. Based on the available information, it is believed that depth to water at the subject site is less than 50 feet



deep. Siting criteria documentation for the subject spill site is provided in **Appendix B**, **Siting Documentation**.

Regulatory Standards

The delineation activities were confined to the upper 4 feet. Therefore, based on the determination that depth to ground water is less than 50 feet, the closure criteria for the site are based on the following reclamation standards provided in *19.15.29.13 NMAC*:

Constituent	Method	Limit
Chloride	EPA 300.0	600 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	100 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

Facility Assessment

The assessment, inventory, and delineation activities for the facility footprint were conducted from January 24 through 26, 2023. The field work included:

- Equipment inventory with liquid levels.
- Field screening for naturally occurring radioactive materials (NORM) and assessment for equipment containing polychlorinated biphenyls (PCBs).
- Assessment for asbestos and lead paint containing materials (ACM, LBP).
- Subsurface investigation of high probability areas.

General Site Conditions

The facility is located near the intersection of Aberdeen Road (Highway 249) and Katrina Road (County Road 161). The designated access road to the facility measures approximately 20 feet wide and 425 feet long. Upon arrival on January 24, 2023, the facility gate was open and did not have a lock accessible. Two (2) tank batteries and a building are the main structures on the facility. The perimeter is bound by a chain link fence. One (1) light pole is located at each tank battery, and no transformers or power poles were observed within the facility boundary. Evidence of a former restroom, assumed to be connected to a septic system, was observed in the building. General site conditions are illustrated in Appendix C, Site Photography.

Equipment debris including pipes, damaged fiberglass tanks, a metal vessel, and office furniture were observed along the perimeter of the yard and inside the building. Surface lines were observed from: tank battery #1 to the containment berm; from the separator to tank battery #2;



and from the building to the southern fence line where it becomes an underground line. Surface lines were also observed from tank battery #2 to the building. One the north side of the facility, outside the fence, a DCP Midstream pipeline was flagged and trended northeast.

Equipment Inventory

Tank battery #1 is set within the northwest quadrant of the facility and contains two (2) above ground storage tanks (AST), identified as Tank 1 and Tank 2 for this report. The tank battery containment also contained the heater-treater and separator. Tank battery #2 is centrally located and contains five (5) ASTs, Tanks 3 through 7. The following summarizes findings for the tanks:

Tank 1: 16 feet tall with 1.3 feet of tank bottoms/sludge.

Tank 2: 500-barrel (bbl) tank with 0.3 feet of tank bottoms/sludge.

Tank 3: 380 bbl tank with 0.4 feet of tank bottoms/sludge. Tank shows evidence of expansion on the top and base.

Tank 4: 380 bbl tank with no access (thief hatch was unable to be opened).

Tank 5: 380 bbl tank with 1.2 feet of tank bottoms/sludge.

Tank 6: 380 bbl tank with 1.8 feet of tank bottoms/sludge.

Tank 7: 380 bbl tank with no access (no catwalk).

All tanks, except for #4 and #7, had atmospheres measured utilizing a calibrated four-gas meter. All atmospheres measured 0 parts per million (ppm) for hydrogen sulfide, carbon monoxide, and methane. Oxygen level was reported as 20.9% for all the tanks assessed. Significant surface staining was observed in both tank batteries and evidence of overflow was observed from the tanks in battery #2; see **Appendix C**.

NORM and PCBs

The above ground storage tanks that were accessible and the heater-treater were screened for NORM utilizing a Geiger Counter. All readings were below two (2) times the background concentration; see enclosed Field Report: *NORM Testing Verification* provided in **Appendix D**, **Field Notes**.

No transformers or other oil-filled equipment suspected of containing PCBs was observed within the facility boundary.

ACM and LBP

Under the purview of a New Mexico certified asbestos inspector, asbestos awareness trained personnel collected nine (9) samples of suspect materials from the building and oil field equipment within the facility fence.



The samples were placed into Ziploc® style bags, sealed, labeled with sample identification, date, time of collection, name of sampler, site name, and analytical method to be used. The samples were shipped under strict chain of custody to ECM Labs, Inc. to be analyzed for ACM using PLM via EPA Method 100/R-93/116. As per the attached analytical results, all samples reported no detectable asbestos fibers.

Additionally, two (2) samples of paint chips were collected from separate surfaces within the facility building and submitted for lead paint analysis. Samples were shipped under strict chain of custody to EMC Labs, Inc located in Phoenix, Arizona. The samples were analyzed for using EPA Method 7420. Both samples reported lead below the laboratory reportable limits.

ACM and LBP results are summarized in **Table 1**, **Summary of Building Material Analytical Results** and **Appendix E**, **Laboratory Analytical Reports**.

Subsurface Investigation

Based on direction from NMOCD and historical aerial photographs soil borings were advanced in areas likely to contain petroleum hydrocarbon contamination. Borings were advanced using a skid steer equipped with a rock auger. Sandy loam was encountered from the surface to 3 feet bgs, at which a cemented gravel layer was encountered. This cemented layer was approximately 0.75 feet thick across the site. Where borings were advanced beyond 4 feet, a tight clay was encountered at 5 feet bgs. Based on this lithology and the heavy petroleum organics observed on the surface, subsurface contamination is anticipated to be contained mostly in the upper 2 to 6 feet.

Soil samples were field screened at the following depths in each boring: 1, 2, and 4 feet, except for soil borings SB-4, 5, and 12. These borings were extended to access contamination below the reclamation closure depth of 4 feet. Soil boring locations are provided in **Figure 3**, **Facility Delineation Map**.

Field Screening

Soil samples were initially field screened for volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with an organic vapor meter (OVM). However, it was determined that the subsurface contaminants were not volatile, and VOCs could not be used as a screening tool to guide the delineation activities. Therefore, field screening for TPH and chloride was conducted for the investigation.

Soil samples were screened in the field for TPH per United States Environmental Protection Agency (EPA) Method 418.1 using an Infracal Total Oil and Grease (TOG)/TPH Analyzer. A three-point calibration was completed prior to conducting soil screening. Field screening protocol followed the manufacture's operating procedures. Samples were also field screened for chlorides using a Hach Chloride Test Kit. Field screening results are provided in **Appendix D** and are summarized in **Table 2, Summary of Soil Field Screening Results**.



Laboratory Correlation

Five (5) samples were collected for laboratory analysis. The results were used to provide a correlation for field screening data and will be used to prepare a formula for potential in-situ treatment and/or soil shredding.

All soil samples collected for laboratory analysis, were placed into an individual laboratory provided 4-ounce jar, capped head space free, and transported on ice to Hall Environmental Analytical Laboratory (HEAL) under strict chain of custody. The laboratory results are summarized with the field screening results on **Table 1**, and are provided in **Appendix E**, **Laboratory Analytical Reports**.

Spill Delineation

The subject of the spill delineation is the release documented in the 2019 aerial photograph. Since the release extended from the footprint of the facility that is on New Mexico state land, prior to conducting earth disturbing activities a cultural resource clearance was required to be conducted. Representatives for the Stand Land Office conducted a survey on January 26, 2023; see Arch Survey Map in **Appendix D**.

Once the area has been cleared for disturbance, on January 31 through February 1, 2023, Envirotech personal conducted the delineation of the spill that migrated off site. Soil samples were field screened at the following depths in each boring: 1, 2, and 4 feet, or until field screening results were below applicable closure criteria. Field screening was conducted in accordance with the same protocol followed for the facility investigation. Soil boring locations are provided in **Figure 4, Spill Delineation Map**. Field screening results are summarized in **Table 2** and **Appendix D**.

Per NMOCD request, a sample was collected from the stock pond and analyzed for TPH and BTEX. All analytical results reported concentrations of contaminants of concern below laboratory detection limits.

Facility Assessment Conclusions

Based on historical aerial photographs, site observations, and field screening results the following areas will likely need to undergo remediation actions to remove petroleum hydrocarbons and chloride contamination:

 Approximately 26,652 square feet within the facility fencing is contaminated. Average depth of contamination is 2 to 3 feet bgs, with localized areas extending to 4 to 5 feet bgs. With an average depth of 3 feet, the estimated volume of impacted soil, including a 1.2 "soil fluff" factor, is 3,553 cubic yards. Note, these measurements do not include the pit located on the north central portion of the property (1997 aerial).



- 2. The spill path and bare area outside of fence encompass approximately 26,300 square feet. The average depth of contamination along the spill path is 2 feet bgs, with localized areas extending to 4 feet. Based on these measurements approximately 2,500 cubic yards can be anticipated to undergo remediation actions.
- 3. Facility demolition debris is estimated to include seven (7) tanks, 165 to 200 cubic yards of building debris, three (3) vessels, and miscellaneous metal and fiberglass debris (pipes, windblown metal etc).

Statement of Limitations

The work and services provided were in accordance with NMOCD standards. All observations and conclusions provided here are based on the information and current site conditions found at the subject site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.

Greg Crabtree, PE Environmental Manager gcrabtree@envirotech-inc.com





Figure 1, Vicinity Map Figure 2, Site Map Figure 3, Facility Delineation Map Figure 4, Spill Delineation Map



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Figure 2, Site Map

NM OCD Double L Queen Tank Battery Sec 36 Twn 14S Rng 29E Chaves County, New Mexico 33.05539, -103.975098 Project #23002-0001

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Environmental Scientists and Engineers 5796 U.S. Highway 64 Farmington, New Mexico 87401 505.632.0615 Date Drawn: 02/01/2023 Drawn by: P. Mesa





Figure 4, Spill Page 14 of 90 Delineation Map

NM OCD Double L Queen Tank Battery Sec 36 Twn 14S Rng 29E Chaves County, New Mexico 33.05539, -103.975098 Project #23002-0001

Legend

- O Soil Boring Below Standars
- Soil Boring Over Standards
- --- Inferred Remediation Area







Environmental Scientists and Engineers 5796 U.S. Highway 64 Farmington, New Mexico 87401 505.632.0615 Date Drawn: 02/13/2023 Drawn by: P. Mesa



Table 1, Summary of Building MaterialAnalytical ResultsTable 2, Summary of Soil Field Screening Results



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Table 1, Summary of Building Material Analytical Results Site Characterization/Delineation Double L Queen Tank Battery Unit P, Section 36, Township 14S, Range 29E Chavez County, New Mexico Project #23002-0001

Date	Sample Name	Sample Description	ACM %	АСМ Туре	Lead %
	1	Floor Tile	ND	-	-
	2	Ceiling Tile	ND	-	-
1/24/2023	3	Storage Room Block	ND	-	-
	4	Office Paint	NA	NA	<0.013
	5	Hall Paint	NA	NA	<0.010
	6	Insulation	ND	-	-
	7	Window Caulking	ND	-	-
	8	Tank Valve Insulation	ND	-	-
	9	Tank Manway Gasket	ND	-	-
	10	Separator North Gasket	ND	-	-
	11	Separator South Gasket	ND	-	-

ND - None Detected



Table 2, Summary of Soil Field Screening Results Site Characterization/Delineation Double L Queen Tank Battery Unit P, Section 36, Township 14S, Range 29E Chavez County, New Mexico Project #23002-0001

Date	Sample Name	Latitude, Longitude	Sample Description	TPH (mg/kg)	VOC (ppm)	Chlorides (mg/kg)
		NMOCD Reclamation Closure Criteria (Table 1 - 19.15.29.13 NMAC)			Not Established	600 mg/kg
	SB1@1ft	33 055518		1,636	NA	NA
	SB1@2ft**	-103.975302	SW Crn Battery 1	3,564/5,000	0.6/<0.216	181/200
	SB1@4ft			60	NA	1,350
	SB2@1ft**	33.055649.		3,064/1,405	1.7/<0.216	NA/<60
	SB2@2ft	-103.975302	NW Crn Battery 1	996	NA	426
1/24/2023	SB2@4ft			156	NA	4/2
	SB3@1ft	33.055608,	North of Tauly O	888	NA	83
	SB3@2ft	-103.975179	North of Tank 2	184	NA	83
	SB3@4IL			28 6 264		904
	SB4@III SB4@2ft	-		0,204		3,231
	SB4@2ll SB4@4ft	33.055522,	North of Heater	1,040		2,903
	SB4@4lt	-103.975146	Treater Battery 1	200		1,836
1/25/2023	SB4@8ft	-		360		1,030
	SB5@1ft			1 612	NA	>6 148
1/24/2023	SB5@2ft	33 055509	West of Separator	1,060	NA	2,726
112 11 2020	SB5@4ft	-103.975223	Battery 1	304	NA	3.534
1/25/2023	SB5@6ft			156	NA	1,575
	SB6@1ft			360	NA	1,458
1/24/2023	SB6@2ft	33.056482,	South of Battery 1	416	NA	1,458
1/25/2023	SB6@4ft	-103.975226	Outside Containment	76	NA	1.836
	SB7@1ft**		East of Heater	6,708/6,400	0.6/0.054	>6,148/3,900
1/24/2023	SB7@2ft	33.055537,	Treater Outside	4,380	NA	>6,148
1/25/2023	SB7@4ft	-103.975043	Containment	140	NA	3,883
4/04/0000	SB8@1ft	00.05570.4	North of Battery 1	620	NA	NA
1/24/2023	SB8@2ft	33.055704,	Outside of	176	NA	NA
1/25/2023	SB8@4ft	-103.975143	Containment	16	NA	1,836
	SB9@1ft	22.005554	North of Battery 2	1,388	NA	982
	SB9@2ft		Outside of	1,184	NA	2,319
	SB9@4ft	-103.974000	Containment	4	NA	1,984
	SB10@1ft	33 055441	West of Battery 2	1,604	NA	3,883
	SB10@2ft	33.055441, -103 974929	Outside of	1,952	NA	>6148
	SB10@4ft	100.01 1020	Containment	476	NA	>6148
1/25/2023	SB11@1ft	33 055359	South of Battery 2	204	NA	1,984
	SB11@2ft	-103.974907	Outside of Containment	108	NA	1,458
	SB11@4ft			0	NA	2,144
	SB12@1ft**	-	Inside Containment	>5,596/10,146	NA/<0.445	2,726/6,400
	SB12@2ft	33.055455,	of Battery 2 Btwn	2,000	NA	3,883
	SB12@4ft	-103.9/48/4	Tank 5 and 7	576	NA	2,319
	SB12@6ft			132	NA	1,836
	SB13@1tt	33.055838,	Up-Gradien of	588	NA	426
	SD13@211	-103.975378	Release	04		/ 02
	SB13@4IL SB14@1ft			20		1,700
	SR14@7ft	33.055576,	East Delineation	04 و		030
	SB14@2lt SB14@4ft	-103.975446	Point of Source	16		3 234
	SR15@1ft			1 700	NΔ	636
	SB15@2ft	33.055684,	Center of Source	256	NA	1,068
	SB15@4ft	-103.975490		92	NA	1.575
	SB16@1ft			5.224	NA	294
	SB16@2ft	33.055792,	West Delineation	>6.232	NA	831
	SB16@4ft	-103.975551	Point of Source	64	NA	1.575
	SB17@1ft			72	NA	<32
1/31/2023	SB17@2ft	33.055651,	Delineation Point at	NA	NA	64
	SB17@4ft	-103.975659	Ruad	NA	NA	189



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Table 2, Summary of Soil Field Screening Results Site Characterization/Delineation Double L Queen Tank Battery Unit P, Section 36, Township 14S, Range 29E Chavez County, New Mexico Project #23002-0001

Date	Sample Name	Latitude, Longitude	Sample Description	TPH (mg/kg)	VOC (ppm)	Chlorides (mg/kg)
NMOCD Reclamation Closure Criteria (Table 1 - 19.15.29.13 NMAC)			nation Closure Criteria - 19.15.29.13 NMAC)	100 mg/kg	Not Established	600 mg/kg
	SB18@1ft	22 055512	Delineation Point In	544	NA	61
	SB18@2ft	-103 975834	Spill Path South of	236	NA	1,575
	SB18@4ft	100.07 0004	Road	8	NA	1,836
	SB19@1ft	22 055204	Para Araa Outaida	2,480	NA	1,458
	SB19@2ft	-103 975797	Fence	3,336	NA	1,575
	SB19@4ft	100.010101	T Choc	3,584	NA	1,154
	SB20@1ft	22 055244	Norrow Spill Dath	5,172	NA	<32
	SB20@2ft	-103 076058	Delineation Point	392	NA	45
	SB20@4ft	-103.370030	Demieation Foint	668	NA	474
	SB21@1ft	22 054947	Norrow Spill Dath	88	NA	160
	SB21@2ft	_103 076363	Delineation Point	NA	NA	1,068
	SB21@4ft	-103.370303	Demieation Foint	NA	NA	894
	SB22@1ft	22 054290	Southorn Extent of	16	NA	590
	SB22@2ft	33.054360, 103.076830	Southern Extent at	20	NA	928
	SB22@4ft	-103.970030		NA	NA	220
	SB23@1ft	22.054724	Contor of Donding	28	NA	<32
	SB23@2ft	33.054731,	North of Cut Across	8	NA	38
	SB23@4ft	-103.977003	NOTITION CULACIOSS	NA	NA	274
	SB24@1ft	33.054808, -103.976955	North Cut Across Delineation Point	8	NA	<32
	SB24@2ft			4	NA	32
	SB24@4ft			NA	NA	32
	SB25@1ft	33.054597,		4	NA	79
	SB25@2ft		North Cut Across	16	NA	64
	SB25@4ft	-103.970931	Delineation Point	NA	NA	53
	SB26@1ft	33.054522, -103.977267	Center of Ponding at Road Intersection	836	NA	45
	SB26@2ft			952	NA	<32
2/1/2022	SB26@4ft			344	NA	<32
2/1/2023	SB27@1ft	00.054000	Southern Delienation - Point -	68	NA	<32
	SB27@2ft	33.054682, 103.077265		16	NA	<32
	SB27@4ft	-103.377203		NA	NA	89
	SB28@1ft	22.054402	Southorn Dolignation	4	NA	<32
	SB28@2ft	33.054492, -103.077150	Point	NA	NA	45
	SB28@4ft	-100.077100	1 On t	NA	NA	160
	SB29@1ft	22 055250	Bare Area Outside	4	NA	<32
	SB29@2ft	-103 975761	Fence Delineation	NA	NA	<32
	SB29@4ft	-100.070701	Point	NA	NA	<32
	SB30@1ft 00.055000	22 055900	Northern Dolingation	44	NA	<32
	SB30@2ft	33.000000, -103.075588	Point	NA	NA	255
	SB30@4ft	-100.07 0000	1 On t	NA	NA	2,914
	SB31@1ft	33 055995		24	NA	<32
	SB31@2ft	-103 975883	Background	NA	NA	<32
	SB31@4ft	-100.07.0000		NA	NA	337
1/25/2023	Surface @ Fenceline	33.05588, -103.975384	Sample Collected for In Situ Remediation	11,800	<0.212	92

				Formulation			
-	** Sample collected for laboratory correlation; Analytical results presented in GREEN						
	Samples collected below 4 ft; release closure standard pending confirmation of depth to groundwater						

NA - Not analyzed; VOCs were determined to not be a reference point for field screening



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Historical Aerials



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Siting Criteria



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Site Name:	Canyon E&P Double L Queen Tank Battery	
API #:	Not Applicable	
Lat/Long:	33.055390, -103.975098	
Legal Description (Unit, Sec, TWN, RNG)	Unit P, Sec 36, T14S, R29E	
Land Jurisdiction:	State	
County:	Chavez	
Wellhead Protection Area Assessment		

Water Source Type					
(well/spring/stock pond)	ID	Latitude	Longitude	Distance	
Pond		33 05273	-103 97774	837 ft	
	<u>I</u>	33.03273	-103.37774	007 11	
Depth to Groundwater Determination: 5	50-100 ft (bqs)				
Cathodic Report/Site Specific Hydrogeology					
Elevation Differential 1 foot elevation change between site and					
	USGS Well with	nin 2 miles ir	ndicates water	is less than	
Water Wells	100 feet				
Sensitive Receptor Determination	42			No	
Was groundwater of surface water impacte				INO	
<300' of any continuously flowing watercour	rse or any other	significant w	atercourse	No	
<200' of any lakebed, sinkhole or playa lake	e (measured from	n the Ordina	iry High		
Water Mark)					
<300' of an occupied permanent residence, school, hospital, institution or church					
<500' of a spring or private/domestic water well used by <5 households for domestic					
or stock watering purposes					
<1000' of any water well or spring					
Within incorporated municipal boundaries o	or within a define	d municipal	fresh water		
well field					
<300' of a wetland					
				NO	
Within the area overlying a subsurface mine					
Within an unstable area or karst topography					
Within a 100-year floodplain: Located in unmapped area					
Did the release impact areas NOT on an exploration development, production, or					
storage site?					
DTW Determination	≤50 🗌	50-100 🗸	>100 🗌		
Benzene	10	10	10		
BTEX (mg/kg)	50	50	50		
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000		
8015 TPH (GRO/DRO/MRO) (mg/kg)	100	2,500	2,500		
Chlorides (mg/kg)	600	10,000	20,000		



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OCD Well Locations



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New Mexico Oil Conservation Division





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Distance to USGS Well

249

Line	Path	Polygon	Circle	3D path	3D polygon
Measur	e the dist	ance betwee	n two point	ts on the gr	ound
	Map Len	gth:		2.23 Mile	es 🔹
G	round Len	gth:		2.23	
	Head	ling:		60.38 deg	rees
	Nac Navis	ation		-	Clear

Turn right onto Hagerman Cutoff Rd

249

22

Head nonheast





USDA Natural Resources Conservation Service Released to Imaging: 4/14/2023 11:40:20 AM Web Soil Survey National Cooperative Soil Survey 1/12/2023 Page 1 of 3

Chaves County, New Mexico, Southern Part

TS—Tencee-Sotim association

Map Unit Setting

National map unit symbol: 1w8f Elevation: 3,200 to 6,000 feet Mean annual precipitation: 10 to 16 inches Mean annual air temperature: 55 to 65 degrees F Frost-free period: 140 to 220 days Farmland classification: Not prime farmland

Map Unit Composition

Tencee and similar soils: 50 percent Sotim and similar soils: 30 percent Minor components: 20 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tencee

Setting

Landform: Hillslopes, low hills Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Side slope, base slope, crest Down-slope shape: Convex Across-slope shape: Convex Parent material: Calcareous alluvium and/or eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 2 inches: gravelly fine sandy loam

H2 - 2 to 9 inches: very gravelly loam

H3 - 9 to 13 inches: cemented material

Properties and qualities

Slope: 1 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 45 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 0.8 inches)

Interpretive groups

Map Unit Description: Tencee-Sotim association---Chaves County, New Mexico, Southern Part

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BC025NM - Shallow Hydric soil rating: No

Description of Sotim

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Convex, linear Parent material: Mixed alluvium and/or eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 7 inches: fine sandy loam *H2 - 7 to 70 inches:* clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 35 percent
Gypsum, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: C Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 5 percent Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Berino

Percent of map unit: 5 percent



Ecological site: R070BD004NM - Sandy *Hydric soil rating:* No

Pecos

Percent of map unit: 5 percent Ecological site: R070BC008NM - Draw Hydric soil rating: No

Rock outcrop

Percent of map unit: 4 percent Ecological site: R042CY158NM - Very Shallow Hydric soil rating: No

Playa

Percent of map unit: 1 percent Landform: Flood-plain playas Landform position (three-dimensional): Dip, talf Down-slope shape: Concave Across-slope shape: Concave Ecological site: R070BC017NM - Bottomland Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Chaves County, New Mexico, Southern Part Survey Area Data: Version 17, Sep 8, 2022





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

	· category:	
Gro	oundwater	~

Data Catagory

Geographic Area:

GO

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Click to hideNews Bulletins

• See the <u>Water Data for the Nation Blog</u> for the latest news and updates.

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 330221104003101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 330221104003101 15S.29E.03.44411

Available data for this site Groundwater: Field measurements V GO

Chaves County, New Mexico Hydrologic Unit Code 13060007 Latitude 33°02'21", Longitude 104°00'31" NAD27 Land-surface elevation 3,861 feet above NGVD29 The depth of the well is 147.00 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

Table of data

Tab-separated data

<u>Graph of data</u>

Reselect period

USGS 330221104003101 155.29E.03.44411 3812.0 49.0 feet Depth to water level, feet below land surface Θ 3811.0 50.0 1929, NGVD 51.0 3810.0 above Ó 52.0 3809.0 level 53.0 3808.0 Groundwater 54.0 3807.0 ø 55.0 3806.0 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995

Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips **Explanation of terms** Subscribe for system changes **News**

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey **Title: Groundwater for USA: Water Levels** URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team Page Last Modified: 2023-01-12 12:49:43 EST 0.59 0.52 nadww02







Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
So	Sotim fine sandy loam	6.0	16.5%
TS	Tencee-Sotim association	30.3	83.5%
Totals for Area of Interest		36.3	100.0%







Site Photography



Practical Solutions for a Better Tomorrow

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Photo 1: Double L Queen Tank Battery Facility



Photo 2: Tank Battery #1





Photo 3: Surface Lines Tank Battery #1



Photo 4: Separator





Photo 5: Heater Treater



Photo 6: Tank #1 Release





Photo 7: Release Between Tanks 1 and 2



Photo 8: Tank Battery #2





Photo 9: Overflow Evidence Tank Battery #2



Photo 10: Release in Tank Battery #2





Photo 11: Contaminated Sump in Tank Battery #2



Photo12: Facility Building





Photo 13: Interior of Building



Photo 14: Former Restroom





Photo 15: Tank #3 with Expansion Damage



Photo 16: Debris





Photo 17: Debris



Photo 18: Pipe Debris





Photo 19: Asphaltine in Former Pit Area



Photo 20: Asphaltine in Northwest Corner





Photo 21: DCP Midstream Line Locate Outside Facility



Photo 22: Release Outside of Facility





Photo 1: Stock Pond and Windmills South of Facility



Photo 2: Water Line Can South of Facility





Arch Survey Map and Field Notes



Practical Solutions for a Better Tomorrow

Released to Imaging: 4/14/2023 11:40:20 AM

Received by OCD: 4/14/2023 10:46:50 AM



CLIENT: CLIENT/JOB START DATE	#: :		- 0	envirotec	h.	Environmer C.O.C. No:	ntal Specialist:	
FINISH DATE	•				NM 27401			
Page #		of				LUNG		
The All In		FIEI	DREPORT:	NORMTESTING	VERIFI	CATION		
LOCATION	NAME:			WELL #.	and the distance of the	anonine spanne and the		
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cintillation	Probe #2		mR/hr	Probe #1			mR/hr	
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Location: Project #

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DATE:	1/24	/23 505-6	32-0615	1-800-	362-1879	LAT:			
WEATHER: (TEMP, C	ONDITIONS)	Snow	5796 US	Highway	64	LONG:			
JSA TIME: 7:4	5	COIO Fa	armingto	on, NM 87	401				
Purpose/Objective:	(include proje	ect narrative for daily	work; be s	ure to inclu	de site cond	itions at e	nd of day)		
Horizontal	Dilineat	-ion for 7P	H, CI	niorides	6				
LOCATION:	Name:	Double L Que	en	Well #:			_API:		
	County:	Cho.	Vez	State:	NM				
Cause of Release	Oil tank	Battery Leak	_Material	Released:	Oil		- Amt. Relea	iseu.	
		SEC:	TWP	:	RNG:		PM	:	
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Disposal Facility:			_						
Land Use/Well Status						Land Own	ier:		
REGULATORY AGEN	CY:			-	CLOSUR	E STDS:			
ADDITIONAL CLOSUF	RE REQUIREM	IENTS:	ST. OSPAC	трн			OC	Chloride	Lab
	and the second	DESCRIPTION	Share bata		CAL	TIME	PID/OV	mg/kg	Y/N
SAMPLE NAME	COLLECTED	(lat/long or location)	TIME	READING	ppm		ppm		
200/500/1250 Standards	1	/		/ /	11001		Shirt San		A. C.
SBIDI	10:15	Dark, Odor	10:20	\$5409	1686		200	101	
SRID21	10:22	Dark odor	10:25	891	3564		0.6	1200	
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SPIGI	10:40	LighBrown, Odor	10:54	766	3064		1.4	1100	
SB2021	10:44	Dark, oder	11:38	249	996			420	
SR2041	10:45	Light, tan	11:42	39	156			9.72	
SR3011	10:50	Dark, obr	12:15	222	888			03	
CR3@ 2'	10:52	Dark, odor	12:17	46	184			83	
SR3@41	10:56	Light	12:22	7	28			909	
SRUALI	11:30	Dark, Odor	12:46	1566	6264			3231	-
SR4@ 21	11:33	Dark	12:48	262	1048			2463	
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)KYIIN M	11:36	LIGH	17.74	01	0.00			1.120	
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Notes:	11:56	Light	12:24					, ,	

Page 1 Of ____

Revised 9/15/2022

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Location: Project #

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	Chloride mg/kg >6148 2726 3534 1458 1458 7€148 >6148

Page 1 Of

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Revised 9/15/2022

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Page 56 of 90 -8 1/25/23 Double L Queen Onsite 7:50 Am. Extensed borings 6,7+8 to 4 Drittee Bornes 9, 10, 11 outside of Bern of produced water Drilles Bornes 9, 10, 11 party 12 inside born of produced with tank to 4. Drilles borny 12 inside in borng 12 still high only HANK to 4'. Drilleo borng to his borng 12 still high onton Hank battany to 4'. TPH sample in borng 12 still high so the tak battany to 4'. TPH sample in borng 12 still high so the to 6'. Also extension borng 4 of 5 to 8'. No sample collection to 6'. Also extension borng 4 of 5 to 8'. No sample collection from borny 5 at 8' due to getting stuck to Daninging Aryon to 5B-9 33,055554, -103,974800 SB-10 33.055441, 7108.974929 SB-11 33.035359, -103.974907 33.055455, -103.974874 5B-12 TANK 7 - 10 nAme plate belted together 14 TAN 147 to study. TANK 2 - 156 816, 500 601 Depth to sludge 15.7 TANK 3 - 12 × 20' 380 bbi Deptu to sludge 19.6' TANK 4- 12 × 201 380651 Amme Plate barter Visable TANK 4- 12 × 201 380651 Amme Plate barter Visable TANK 4- 12 × 201 380651 Amme Plate barter Visable TANK 5 - 12 x 20 no name plate 18.8 to Studge TANK 6 - 12 x 20 NO - Mmy plate +8-10 18,2 cley th to 5/40000 TANK 7 12 × 20 MAM2 Phote not legible, NO Access to top no * All tanks except tank 4 of measures with 4 cas Houter/pip. Alt tanks measured atmospheric concurrentiants for the Gases measured (Ppp H2S, Oppm CO, Or CHy, 20.9% 0) Utather Considers ~ 40°F, wimps ~ 10 mp H A MEASURED ACLESS VEAS & 425 Long And 20 will Released to Imaging: 4/14/2023 11:40:20 AM

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· SB-13: 33.055838, -103.475378		, , , , , , , , , , , , , , , , , , ,
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· 38-15: 33.055684, -103.975496		
SB-16: 33.055792, -103.975551		
·SB-17:33.055651, -103.975659		
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· 5B.28 33.054492,-103.977150	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Rite in the Rain



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				TPH	AN SOLA	V	oc	Chloride	Lab
SAMPLE NAME	TIME COLLECTED	DESCRIPTION (lat/long or location)	TIME	READING	CAL ppm	TIME	PID/OV ppm	mg/kg	Y/N
200/500/1250 Standards	11:54 1	200 std / 179		/ /					
51301'	12:15	Dark Brown	12:58	147	588			425	
5131302'	12:17	Medium Dark Brown	13:02	16	64			762	
5B1304'	12:20	Cight Brown	13:05	7	28			1700	
SBILEI	12:23	Dark Brown	13:10	16	64			678	
SBI4@Z'	12:25	Light Brown	13:13	2	8			1836	
5131404	12:28	Light Brown	13:15	4	16			3234	
SBIJ @1	12:33 -	Dark Brown	14:27	425	1700			636	
531502	12:30	Medium Brown	14:30	64	256			1068	
51315 @ 4	12:39	Light Brown	14:38	23	92			1575	
531601	12:42	Dark Brown	14:41	1306	5224		196. (c) - 196. (c) - 196.	294	
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Page 1 Of 2

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531802	13:03	Light Brown	15:27	59	236	1		1575	
51318041	13:06	Light Brown	15:40	2	8	1		1836	
531901	13:11	Dark Brown	15:56	620	2480	1		1458	
5131902	13:13	Dark Brown	12:59	834	3336			1575	
513 19 0 4	13:14	Light Medium 131.	16:03	896	3584			1154	
532001	13:20	DarkBrown	16:08	1293	5172			<32	
5132002	13:23	Medium Brown	16:11	98	392			45	
532004	13:25	Medium Brown	16:14	167	668			474	
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Horizon				INTR, DE SU						
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LOCATION:	Name:	Datel		LLED	Well #:			API:		
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Cause of Release:	ON tan	K batt.	leak	Material F	- Released:	Bil		- Amt. Relea	sed:	de la come
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Spill Located Approxin	nately:		= т .		FROM (fixe	landmark)				13-
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			DTICAL		ТРН		V	OC	Chloride	Lab
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200/500/1250 Standards	9:20 /	200500/	81		1 1		Test:			
5B22 @ 1	9:30	Dark Brow	ري ري	10:36	04	16			590	
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SB23 @ 4'	10:12	medium	Brown						274	
SB24 Q I'	10:20	Park P	roun	11:31	02	B			432	
5824 @ 2'	10:23	DOTK P	iorn	11:34	01	4			32	
5824 @ 4'	10:28	Daille	e brown						32	
5825 @ 1	10:39	Dark Bi	uwn	12:01	01	4		4	79	
5825 @ 2'	10:42	medium	Brown	12:04	64	16			64	
SR25@ 4'	10:47	Redish	brown						53	
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Received by OCD: 4/14/2023 10:46:50 AM

CLIENT: CLIENT/JOB #: DATE:	NMOCD 23002-0 2-1-20	envi 32-0615 3796 US F	nvirotech 0615 1-800-362-1879 6 US Highway 64			Envmtl. Spclst: <u>"Arecon /</u> Site Name: <u>T. Gibroin</u> LAT LONG				
Page #	2 of	2	Fa	rmingto	n, NM 874	01				
· · · · · · · · · · · · · · · · · · ·	and the second		Field	Screer	ning Rep	port			and the second	
1		1.28 (M. 1997)		Leining and	TPH		V	OC	Chloride	Lab
SAMPLE NAME		DESCR	RIPTION	TIME	READING	CALC.	TIME	PID/OV ppm	mg/kg	Y/N
5876 @ 1'	10:56	Light	Brown	12:31	209	836			45	
5206 @ 7'	11:02	motun	D Brown	12:34	238	952			432	-
SROL A UI	11:12	Dark	Biden	12:37	86	344			1432	
SR01 Q 1'	11.24	Libbat P	STOWN	13:00	17	68			4.50	
SRAT A D'	11:20	Jun Allen	Brown	13:04	04	16			-32	
SB27 A 4'	11.31	REZIST	Brown			1			04	100
SKIR AN	17:00	medium	BIOVA	13:50	01	4			123	
5828 @ 1	17.11	maum	Brown						45	
SRYS AL'	12:13	Thish R	(DWA						160	and the state
SRAG QUI	12:25	Medulum	Broka	14:05	0)	4			1232	
Cn 70 6 2	17:39	110.63	Braza						430	
50.20 6 41	12:41	i icht	BEOUN						432	
5820 Q1	11:54	Dack	Replin	14:08	11	44			250	
5030 0 71	12:56	Light	Broko			•			255	
50 30 A 21'	1301	Linht	Orown						8414	
5431 01	13:07	Dark	Brown	14:10	06	24			430	
5131 (2)	13:09	1 Jahl	Brown						1239	
5621 94"	12:12	Light	Brown						351	
-1001 4/		, , ,								
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		NOTES	: Include	laborato	ry analys	is inform	ation			





Laboratory Analytical Reports



Practical Solutions for a Better Tomorrow

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EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726 Laboratory Report 0286253

Bulk Asbestos Analysis by Polarized Light Microscopy

		INVLA	P#101926-	J			
Client:	ENVIROTEC	H	Job#	# / P.O. #:	23002-0002	146555	
Address:	5796 HIGHW	/AY 64-3014	Date	e Received:	01/31/2023		
	FARMINGTO	DN NM 87401	Date	e Analyzed:	02/07/2023		
Collected:	01/27/2023		Date	e Reported:	02/07/2023		
Project Nam	e: NM OCD/CA	NYON E & P DOUBLE L	EPA	Method:	EPA 600/R-93/11	16	
Address:	QUEEN		Sub Colle	mitted By: ected By:	JOHN ALFONSC	DE ANDA	
Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbesto Detecte	os Asbestos T d (%)	ype Non-A Cons	Asbestos tituents	
0286253-001 0-15601		LAYER 1 Floor Tile, Tan	No	None Detected	Carbonates		
					Quartz Binder/Filler	100%	
		LAYER 2	No	None Detected	Cellulose Fil	ber 1%	
		Mastic, Yellow			Carbonates Quartz Binder/Filler	99%	
		LAYER 3	No	None Detected	Cellulose Fil	ber <1%	
		Thin Set, Gray			Quartz Gypsum Carbonates Mica Binder/Filler	99%	
0286253-002 0-15602		LAYER 1 Drywall Ceiling Tile, White/ Brown/ Off White	No	None Detected	Cellulose Fit Gypsum Carbonates Quartz Mica	ber 12% 88%	
		LAYER 2	No	None Detected			
		Popcorn, White			Carbonates Gypsum Mica Quartz	4000/	
					Binder/Filler	100%	
0286253-003 0-15603		Blocking, White	No	None Detected	Synthetic Fit Gypsum	ber 15%	
					Quartz Carbonates Binder/Filler	85%	
0286253-004		Separatory Gasket, Red	No	None Detected			
0-15604					Carbonates Quartz Binder/Filler	100%	

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044 Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726 Laboratory Report 0286253

Bulk Asbestos Analysis by Polarized Light Microscopy

		NVLAF	P#101926-	0			
Client:	ENVIROTEC	ЭН	Job	# / P.O. #:	23002-0002	146555	
Address:	5796 HIGHW	VAY 64-3014	Date	e Received:	01/31/2023		
	FARMINGTO	ON NM 87401	Date	e Analyzed:	02/07/2023		
Collected:	01/27/2023		Date	e Reported:	02/07/2023		
Project Name	e: NM OCD/CA	NYON E & P DOUBLE L	EPA	A Method:	EPA 600/R-93/1	16	
Address:	QUEEN		Sub	mitted By:	JOHN ALFONS	O DE ANDA	
			Coll	ected By:			
Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbest Detecte	os Asbestos T ed (%)	ype Non- Con	Asbestos stituents	
0286253-005 0-15605		Manway Gasket, Black/ Tan	No	None Detected	Carbonate: Quartz Binder/Fille	s er	100%
0286253-006 0-15606		Insulation, White/ Tan	No	None Detected	Fibrous Gla Carbonates	ass	98%
					Quartz Binder/Fille	¢r	2%
0286253-007		Window Caulking, Tan	No	None Detected			
0-15607					Silicone		100%
0286253-008 0-15608		Pipe/ Valve Insulation, Brown/ White	No	None Detected	Mineral Wo Cellulose F	ool Fiber	33% 2%
					Gypsum Quartz Carbonate: Binder/Fille	5 91	65%
0286253-009		Separatory Gasket, Black/ Tan	No	None Detected			
0-15609					Carbonate: Quartz Binder/Fille	s F	100%

TAQ.

Analyst - Matt Kettler

Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written perports hall not be reproduced writising or the report shall not be reproduced writising or the report shall not be reproduced written approximately less than 1 by area retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The eacreditation, approval, or endorsement by INVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Page 2 of 2

Received by OCD: 4/14/2023 10:46:50 AM

<u>Page 68</u>	8 of 90
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age _1_ of	_1_	C (800)	HAIN OF CUSTODY EMC Laboratories 9830 S. 51 st St., Ste B-109 Phoenix, AZ 85044 362-3373 Fax (480) 893-1726	LAB#: TAT: Rec'd:	28625 3 3-50ap JAN 31 P.M.
PANY NAME:	ENVIROTECH		BILL TO:	-	(If Different Location)
	5796 Highway 6	4-3014			· ·
	Farmington, NM	87401			
ACT:	Donald Ortiz		Scan COC)	
e/Fax:	(505) 632-0615	/ 505-632-1865	j		
:	enviroadmin@envir	rotech-inc.com; de	ortiz@envirotech-inc.com jdeanda	@envirotech	-inc.com
v Accepting:	VISA – MASTEF	RCARD	Price Quoted: \$	/ Samı	ole \$/ Laye
Laboratory analys TYPE OF ANA DISPOSAL IN 	ALYSIS: Budget to of STRUCTIONS: (If you do not e:NM OCD / 0	Lelay if credit term LE-PLM IAir Dispose of t indicate preference Canyon E&P De	is are not met <u>-PCM] [Lead] [</u> Point Count] of samples at <u>EMC]</u> [Return sam ence, EMC will dispose of samples <u>30 c</u> puble L Queen	[Fungi: AOC, ples to me a <u>lays</u> from ana	W-C, Bulk, Swab, Tape] t <u>my expense</u>] <i>lysis.)</i>
P.O. Number	: 146555		Project Number:23002-0)002	
EMC AMPLE	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON OFF FLOW RATE
	0-15601	1/27/2023	1- Floor Tile #1 / Tan	(D) N	
2 -	0-15602	1/27/2023	2- Ceiling Tile and Drywall / Popcorn style	Y N	
3	0-15603	1/27/2023	3- Blocking / White	Y N	
7	0-15604	1/27/2023	4 - Sep Gasket North	Y N	
5	0-15605	1/27/2023	5- Manway Gasket	Y N	
6	0-15606	1/27/2023	6. Insulation	Y N	
2	0-15607	1/27/2023	7. Window Caulking	Y N	
8	0-15608	1/27/2023	8- Pine/ Valve Insulation	Y N	
9	0.45600	1/27/2023	9- Sen Gasket South	1 PN	
· · · · · · · · · · · · · · · · · · ·	0-10009	1/21/2025	3- Sep Gasker Gouin	Y N	
<u> </u>	<u> </u>			Y N	
				· · · · · · · · · · · · · · · · · · ·	
				Y N	
				Y N	
					<u> </u>
CIAL INSTRU	CTIONS: (Print)John D John De A	e Anda nda_Date/Tim	e:01/30/2023 08:08 Received by	(Signature)	John Je Aro Date/Time: 31
nquished by:_ nquished by:_	Diana Federico	C	ate/Time: <u>1~31~2~</u> Received b	y:	Date/Time: Date/Time:

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.Rev. 09/01/08

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Received by OCD: 4/14/2023 10:46:50 AM

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Page	1	of	1

CHAIN OF CUSTODY

LAB#:

TAT:

L95774

EMC Laboratories 9830 S. 51ST St., Ste B-109

		s (800)	9830 S. 51 st St., Ste B-1 Phoenix, AZ 85044 362-3373 Fax (480) 89	09 93-1726	TAT: Rec'd:	3-5 DO 1AN 3	Y ₂₀₂₃	
COMPANY NA	ME: ENVIROTECH			BILL TO:		(If Different Loc	cation)	
	5796 Highway (64-3014						
	Farmington, NM	87401			· · · · · · · · · · · · · · · · · · ·	-		
CONTACT:	Donald Ortiz			Scan COC	;			
Phone/Fax:	(505) 632-0615	/ 505-632-1865		···			· · · · ·	
mail:	enviroadmin@envi	rotech-inc.com; do	ortiz@envirotech-inc.com	jdeanda	@envirotech	-inc.com		
Now Accer	oting: VISA – MASTEI	RCARD	Price Qu	oted: \$	/ Sam	ple \$	/ Layers	
COMPLE	TE ITEMS 1-4: (Failu	re to complete	any items may cause a	delay in pro	ocessing or a	analyzing ye	our samples)	
**** <u>Prior</u> con ****Addition ****Laborato 2. TYPE C 3. DISPO 4. Projec	offirmation of turnaround time al charges for rush analysis (pl ory analysis may be subject to DF ANALYSIS: [Bu SAL INSTRUCTIONS: (<i>If you do no</i> ct Name:NM OCD / (is <u>required</u> lease call marketing delay if credit term Ilk-PLM] [Air- [Dispose o <i>t indicate prefere</i> Canyon E&P Do	g department for pricing deta as are not met -PCM] [Lead] [Poin of samples at EMC] / [<i>ence, EMC will dispose of</i>	ails) ht Count] Return sam <i>samples <u>30 a</u></i>	Fungi: AOC, ples to me a l <u>ays</u> from ana	W-C, Bulk, t <u>my expen</u> <i>lysis.)</i>	Swab, Tape] <u>se</u>]	
P.O. N	lumber:146555		Project Numbe	er:23002-0	002			
EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATE TYPE	RIAL Samples AIR SAMPLE Accepted ON			NFO / COMMENTS DFF FLOW RATE	
}	0-15610	1/27/2023	1- Hall Paint/ T	an	(Y)N			
2	0-15611	1/27/2023	2- Office Paint / V	/hite	Ø N			
					Y N			
					Y N			
					YN			
					Y N			
					Y N			
			·		Y N			
	· · · · · · · · · · · · · · · · · · ·				Y N			
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SPECIAL IN Sample Co Relinquish	NSTRUCTIONS: Mector: (Print) John D ed by: John De Ai	e Anda nda Date/Time	(s e:01/30/2023 08:28 Rece	ignature	Jaln 100	De Arr	-k Date/Time: <u>!/3://23</u> ¹²	
Relinquish	ed by:43	Da	ate/Time: <u>1/31/23</u> ام <u>3</u> 43	Received by	: 1.1	<u> </u>	Date/Time: <u>//<i>g//v</i>)</u>	
Relinquish	ed bv:	Da	ate/Time I	Received by	<u> </u>	· [معرار Date/Time:	

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.Rev. 09/01/08 Released to Imaging: 4/14/2023 11:40:20 AM



9830 South 51st Street, Suite B-109 / PHOENIX, ARIZONA 85044 / 480-940-5294 or 800-362-3373 / FAX 480-893-1726 emclab@emclabs.com

LEAD (Pb) IN PAINT CHIP SAMPLES EMC SOP METHOD #L01/1 EPA SW-846 METHOD 7420

EMC LAB	#:	L95774		DATE RECEIVE	ED:	1/31/23	
CLIENT:		Envirotech		REPORT DATE	:	2/3/23	
				DATE OF ANAL	AYSIS:	2/1/23	
CLIENT ADDRESS:		5796 US Hwy 64 Farmington, NM	87401	P.O. NO.:	555		
PROJECT NAME:		NM OCD / Canyo	on E&P Double L Queen	PROJECT NO.:	23002-0002		
EMC # L95774-	SAMPLE DATE /23	CLIENT SAMPLE #	DESCRIPTION		REPORTING LIMIT (%Pb by weight)	%Pb BY WEIGHT	
1	1/27	0-15610	1-Hall Paint / Tan	0.010	BRL		
2	1/27	0-15611	2-Office Paint / White		0.013	BRL	

* = Dilution Factor Changed * = Excessive Substrate May Bias Sample Results BRL = Below Reportable Limits # = Very Small Amount Of Sample Submitted, May Affect Result

This report applies to the standards or procedures identified and to the samples tested only. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. Unless otherwise noted, all quality control analyses for the samples noted above were within acceptable limits.

Where it is noted that a sample with excessive substrate was submitted for laboratory analysis, such analysis may be biased. The lead content of such sample may, in actuality, be greater than reported. EMC makes no warranty, express or implied, as to the accuracy of the analysis of samples noted to have been submitted with excessive substrate. Resampling is recommended in such situations to verify original laboratory results. EMC Labs, Inc. (ID 101586) is accredited by the AIHA Laboratory Accreditation Programs, LLC (AIHA-LAP, LLC) in the Environmental Lead accreditation program(s) for Paint, Settled Dust by Wipe, Soil and Airborne Dust Fields of Testing as documented by the Scope of Accreditation Certificate and associated Scope. AIHA-LAP, LLC accreditation complies with the ISO/IEC Standard 17025:2017 requirements. The customer provides the Project number, name, address, sampling date, identification, and description. EMC Labs, Inc. is an EPA Recognized Testing Lab.

These reports are for the exclusive use of the addressed client and are rendered upon the condition that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. Samples not destroyed in testing are retained a maximum of sixty (60) days.

Jason Thompson

QA COORDINATOR:

Ver. 11/30/08 Revision 08/14/2021

ANALYST:



February 10, 2023

Greg Crabtree Envirotech 5796 US Highway 64 Farmington, NM 87401 TEL: (505) 632-0615 FAX (505) 632-1865

RE: Double L Queen

OrderNo.: 2301A30

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Greg Crabtree:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/27/2023 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2301A30

Date Reported: 2/10/2023

CLIENT:	Envirotech	Client Sample ID: SB1@2'						
Project:	Double L Queen	Collection Date: 1/24/2023 10:22:00 AM						
Lab ID:	2301A30-001	Matrix: SOIL	Received Date: 1/27/2023 7:25:00 PM					
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS						Analyst	CAS
Chloride		200	59		mg/Kg	20	2/1/2023 1:24:30 PM	72929
EPA MET	HOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA
Gasoline	Range Organics (GRO)	ND	4.8		mg/Kg	1	1/31/2023 3:24:47 PM	72876
Surr: E	BFB	115	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876
EPA MET	HOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	DGH
Diesel Ra	ange Organics (DRO)	1900	470		mg/Kg	50	1/31/2023 4:18:35 PM	72892
Motor Oil	Range Organics (MRO)	3100	2400		mg/Kg	50	1/31/2023 4:18:35 PM	72892
Surr: E	NOP	0	69-147	S	%Rec	50	1/31/2023 4:18:35 PM	72892
EPA MET	HOD 8260B: VOLATILES	SHORT LIST					Analyst	RAA
Benzene		ND	0.024		mg/Kg	1	1/31/2023 3:24:47 PM	72876
Toluene		ND	0.048		mg/Kg	1	1/31/2023 3:24:47 PM	72876
Ethylben	zene	ND	0.048		mg/Kg	1	1/31/2023 3:24:47 PM	72876
Xylenes,	Total	ND	0.096		mg/Kg	1	1/31/2023 3:24:47 PM	72876
Surr: 1	,2-Dichloroethane-d4	115	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876
Surr: 4	-Bromofluorobenzene	115	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876
Surr: E	Dibromofluoromethane	109	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876
Surr: T	oluene-d8	103	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

Page 1 of 9
Hall Environmental Analysis Laboratory, Inc.

Lab Order 2301A30

Date Reported: 2/10/2023

CLIENT:	Envirotech	Client Sample ID: SB2@1'							
Project:	Double L Queen		(Collect	ion Dat	e: 1/2	24/2023 10:40:00 AM		
Lab ID:	2301A30-002	Matrix: SOIL		Recei	ved Dat	e: 1/2	27/2023 7:25:00 PM		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA MET	HOD 300.0: ANIONS						Analyst	CAS	
Chloride		ND	60		mg/Kg	20	2/1/2023 1:36:54 PM	72929	
EPA MET	HOD 8015D MOD: GASO	LINE RANGE					Analyst	RAA	
Gasoline	Range Organics (GRO)	4.9	4.8		mg/Kg	1	1/31/2023 3:52:04 PM	72876	
Surr: E	BFB	119	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
EPA MET	HOD 8015M/D: DIESEL F	RANGE ORGANICS					Analyst	DGH	
Diesel Ra	ange Organics (DRO)	820	99		mg/Kg	10	2/1/2023 1:02:42 PM	72892	
Motor Oil	Range Organics (MRO)	580	500		mg/Kg	10	2/1/2023 1:02:42 PM	72892	
Surr: D	NOP	0	69-147	S	%Rec	10	2/1/2023 1:02:42 PM	72892	
EPA MET	HOD 8260B: VOLATILES	SHORT LIST					Analyst	RAA	
Benzene		ND	0.024		mg/Kg	1	1/31/2023 3:52:04 PM	72876	
Toluene		ND	0.048		mg/Kg	1	1/31/2023 3:52:04 PM	72876	
Ethylben	zene	ND	0.048		mg/Kg	1	1/31/2023 3:52:04 PM	72876	
Xylenes,	Total	ND	0.096		mg/Kg	1	1/31/2023 3:52:04 PM	72876	
Surr: 1	,2-Dichloroethane-d4	124	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
Surr: 4	-Bromofluorobenzene	125	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
Surr: D	Dibromofluoromethane	111	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
Surr: T	oluene-d8	103	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2301A30

Date Reported: 2/10/2023

CLIENT:	Envirotech		Cl	ient Sa	ample II): SB	37@1'	
Project:	Double L Queen		(Collect	ion Dat	e: 1/2	24/2023 1:40:00 PM	
Lab ID:	2301A30-003	Matrix: SOIL	Matrix: SOIL Received D					
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS						Analyst	NAI
Chloride		3900	150		mg/Kg	50	2/2/2023 8:48:31 AM	72929
EPA MET	THOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA
Gasoline	e Range Organics (GRO)	ND	4.8		mg/Kg	1	1/31/2023 4:19:19 PM	72876
Surr: I	BFB	122	70-130		%Rec	1	1/31/2023 4:19:19 PM	72876
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst	DGH
Diesel R	ange Organics (DRO)	3000	490		mg/Kg	50	1/31/2023 5:21:55 PM	72892
Motor Oi	il Range Organics (MRO)	3400	2400		mg/Kg	50	1/31/2023 5:21:55 PM	72892
Surr: I	DNOP	0	69-147	S	%Rec	50	1/31/2023 5:21:55 PM	72892
EPA MET	THOD 8260B: VOLATILES S	SHORT LIST					Analyst	RAA
Benzene)	ND	0.024		mg/Kg	1	1/31/2023 4:19:19 PM	72876
Toluene		0.054	0.048		mg/Kg	1	1/31/2023 4:19:19 PM	72876
Ethylben	izene	ND	0.048		mg/Kg	1	1/31/2023 4:19:19 PM	72876
Xylenes,	Total	ND	0.097		mg/Kg	1	1/31/2023 4:19:19 PM	72876
Surr:	1,2-Dichloroethane-d4	118	70-130		%Rec	1	1/31/2023 4:19:19 PM	72876
Surr: 4	4-Bromofluorobenzene	119	70-130		%Rec	1	1/31/2023 4:19:19 PM	72876
Surr: I	Dibromofluoromethane	104	70-130		%Rec	1	1/31/2023 4:19:19 PM	72876
Surr:	Toluene-d8	109	70-130		%Rec	1	1/31/2023 4:19:19 PM	72876

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р Reporting Limit
- RL

Page 3 of 9

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2301A30

Date Reported: 2/10/2023

CLIENT:	Envirotech	Client Sample ID: SB12@1'								
Project:	Double L Queen		(Collect	ion Dat	e: 1/2	5/2023 10:10:00 AM			
Lab ID:	2301A30-004	Matrix: SOIL		Recei	ved Dat	e: 1/2	7/2023 7:25:00 PM			
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS						Analyst	NAI		
Chloride		6400	600		mg/Kg	200	2/2/2023 9:00:56 AM	72929		
EPA MET	HOD 8015D MOD: GASOL	INE RANGE					Analyst	RAA		
Gasoline	Range Organics (GRO)	46	9.8		mg/Kg	2	1/31/2023 4:46:32 PM	72876		
Surr: E	3FB	137	70-130	S	%Rec	2	1/31/2023 4:46:32 PM	72876		
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst	DGH		
Diesel Ra	ange Organics (DRO)	5300	430		mg/Kg	50	1/31/2023 6:03:56 PM	72892		
Motor Oil	Range Organics (MRO)	4800	2100		mg/Kg	50	1/31/2023 6:03:56 PM	72892		
Surr: E	DNOP	0	69-147	S	%Rec	50	1/31/2023 6:03:56 PM	72892		
EPA MET	HOD 8260B: VOLATILES S	SHORT LIST					Analyst	RAA		
Benzene		ND	0.049		mg/Kg	2	1/31/2023 4:46:32 PM	72876		
Toluene		ND	0.098		mg/Kg	2	1/31/2023 4:46:32 PM	72876		
Ethylben	zene	ND	0.098		mg/Kg	2	1/31/2023 4:46:32 PM	72876		
Xylenes,	Total	ND	0.20		mg/Kg	2	1/31/2023 4:46:32 PM	72876		
Surr: 1	l,2-Dichloroethane-d4	123	70-130		%Rec	2	1/31/2023 4:46:32 PM	72876		
Surr: 4	I-Bromofluorobenzene	137	70-130	S	%Rec	2	1/31/2023 4:46:32 PM	72876		
Surr: E	Dibromofluoromethane	110	70-130		%Rec	2	1/31/2023 4:46:32 PM	72876		
Surr: 1	Foluene-d8	109	70-130		%Rec	2	1/31/2023 4:46:32 PM	72876		

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 9

CLIENT: Envirotech

Analytical Report Lab Order 2301A30

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/10/2023 Client Sample ID: Surface @ Fenceline

Project:	Double L Queen		Collection Date: 1/25/2023 3:30:00 PM									
Lab ID:	2301A30-005	Matrix: SOIL		Recei	ved Dat	e: 1/2	27/2023 7:25:00 PM					
Analyses	8	Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA ME	THOD 300.0: ANIONS						Analyst	CAS				
Chloride	9	92	60		mg/Kg	20	2/1/2023 2:14:09 PM	72929				
EPA ME	THOD 8015D MOD: GASO	LINE RANGE					Analyst	RAA				
Gasoline	e Range Organics (GRO)	ND	4.7		mg/Kg	1	1/31/2023 5:13:39 PM	72876				
Surr:	BFB	118	70-130		%Rec	1	1/31/2023 5:13:39 PM	72876				
EPA ME	THOD 8015M/D: DIESEL R	ANGE ORGANICS					Analyst	DGH				
Diesel R	ange Organics (DRO)	4900	440		mg/Kg	50	1/31/2023 6:45:37 PM	72892				
Motor O	il Range Organics (MRO)	6900	2200		mg/Kg	50	1/31/2023 6:45:37 PM	72892				
Surr:	DNOP	0	69-147	S	%Rec	50	1/31/2023 6:45:37 PM	72892				
EPA ME	THOD 8260B: VOLATILES	SHORT LIST					Analyst	RAA				
Benzene	e	ND	0.024		mg/Kg	1	1/31/2023 5:13:39 PM	72876				
Toluene		ND	0.047		mg/Kg	1	1/31/2023 5:13:39 PM	72876				
Ethylber	nzene	ND	0.047		mg/Kg	1	1/31/2023 5:13:39 PM	72876				
Xylenes	, Total	ND	0.094		mg/Kg	1	1/31/2023 5:13:39 PM	72876				
Surr:	1,2-Dichloroethane-d4	106	70-130		%Rec	1	1/31/2023 5:13:39 PM	72876				
Surr:	4-Bromofluorobenzene	116	70-130		%Rec	1	1/31/2023 5:13:39 PM	72876				
Surr:	Dibromofluoromethane	97.9	70-130		%Rec	1	1/31/2023 5:13:39 PM	72876				
Surr:	Toluene-d8	111	70-130		%Rec	1	1/31/2023 5:13:39 PM	72876				

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit
- RL

Page 5 of 9

Client: Project:	E D	nvirotech ouble L Quee	en									
Sample ID:	MB-72929	S	ampType	e: mł	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS		Batch ID	: 72	929	F	RunNo: 9	4346				
Prep Date:	2/1/2023	Analy	/sis Date	: 2/	1/2023	S	SeqNo: 3	408160	Units: mg/K	g		
Analyte		Res	ult F	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride			ND	1.5								
Sample ID:	LCS-7292	9 S	ampType	: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS		Batch ID	: 72	929	F	RunNo: 9	4346				
Prep Date:	2/1/2023	Analy	/sis Date	: 2/	1/2023	5	SeqNo: 3	408161	Units: mg/K	g		
Analyte		Res	ult F	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride			15	1.5	15.00	0	99.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2301A30 10-Feb-23

QC SUMMARY REPORT Ha ____

Page	78	of 90

Hall Env	WO#: 2301A30 10-Feb-23	
Client:	Envirotech	
Project:	Double L Queen	

Sample ID: LCS-72892	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 72892	RunNo: 94303	
Prep Date: 1/30/2023	Analysis Date: 1/31/2023	SeqNo: 3406296	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 10 50.00	0 88.2 61.9	130
Surr: DNOP	5.1 5.000	101 69	147
Sample ID: MB-72892	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 72892	RunNo: 94303	
Prep Date: 1/30/2023	Analysis Date: 1/31/2023	SeqNo: 3406299	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.8 10.00	98.3 69	147
Sample ID: LCS-72953	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 72953	RunNo: 94358	
Prep Date: 2/1/2023	Analysis Date: 2/2/2023	SeqNo: 3408810	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.1 5.000	102 69	147
Sample ID: MB-72953	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 72953	RunNo: 94358	
Prep Date: 2/1/2023	Analysis Date: 2/2/2023	SeqNo: 3408815	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
		00.0 00	4.47

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 4/14/2023 11:40:20 AM

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Envirotech

Client:

Project:

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Double	L Queen								
Sample ID: LCS-72876	SampT	ype: LC	S4	Test	Code: EF	PA Method	8260B: Volat	tiles Short	List
Client ID: BatchQC	Batch	n ID: 72	876	R	unNo: 94	4292			
Prep Date: 1/27/2023	S	eqNo: 34	405799	Units: mg/K	٢g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	0.94	0.025	1.000	0	93.7	80	120		
Toluene	0.96	0.050	1.000	0	96.0	80	120		
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120		
Xylenes, Total	3.1	0.10	3.000	0	103	80	120		
Surr: 1,2-Dichloroethane-d4	0.59		0.5000		117	70	130		
Surr: 4-Bromofluorobenzene	0.54		0.5000		109	70	130		
Surr: Dibromofluoromethane	0.54		0.5000		107	70	130		
Surr: Toluene-d8	0.52		0.5000		104	70	130		
Sampla ID: mb 72976	SampT	Who: ME		Tost		A Mothod	9260B. Vola	ilas Shart	Liet

Sample ID: mb-72876	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batc	Batch ID: 72876			RunNo: 94292					
Prep Date: 1/27/2023	Analysis [Date: 1/	30/2023	5	SeqNo: 3	405800	Units: mg/h	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.60		0.5000		119	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		109	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- Sample pH Not In Range
- RL
- J Analyte detected below quantitation limits
- Р
- Reporting Limit

- WO#: 2301A30
 - 10-Feb-23

Qual

Prep Date: 1/27/2023

Analyte

Result

Analysis Date: 1/30/2023

Page	80	of 9	0
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WO#: WO#: WO#:							
Client: Project:	Envirotech Double L Queen						
Sample ID: LCS-72	876 SampType:	LCS Te	estCode: EPA Method 8015D Mod: Gasoline Range				
Client ID: LCSS	Batch ID:	72876	RunNo: 94292				

SeqNo: 3405775

Units: mg/Kg

%RPD

RPDLimit

Qual

HighLimit

Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	70	130			
Surr: BFB	580		500.0		116	70	130			
Sample ID: mb-72876	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch	n ID: 72	876	F	RunNo: 9	4292				
Prep Date: 1/27/2023	Analysis D)ate: 1/	30/2023	S	SeqNo: 3	405776	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		103	70	130			

PQL SPK value SPK Ref Val %REC LowLimit

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- в Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 9

	HALL ENVIR ANAL LABOR	ONMENT YSIS RATORY	AL	Ha TE	ll Environmen 2 L: 505-345-39 Website: www	ttal Analysis Lab 4901 Hawi Albuquerque, NM 975 FAX: 505-34 hallenvironmen	oratory kins NE 1 87109 !5-4107 tal.com	Sar	nple Log-In Check List	
С	lient Name:	Envirotech		Work	Order Numb	per: 2301A30			RcptNo: 1	
Re Ce Re	eceived By: ompleted By: eviewed By:	Juan Roja Tracy Cas	as sarrubias \.27 °	1/27/20 1/27/20 2-3	123 7:25:00 F 123 7:52:51 /	PM NM	Gua	way.		
<u>Ch</u>	nain of Cus	<u>tody</u>	lata Q			Yee 🗖	N			
1.	Is Chain of Ci	ustody comp	lete?			Yes 🗋	N	0 ⊻1		
2.	How was the	sample deliv	ered?			Courier				
<u>L</u> 3.	o <u>g In</u> Was an atterr	pt made to o	cool the samp	les?		Yes 🗹	N	• 🗆		
4.	Were all samp	oles received	at a tempera	ture of >0° C	to 6.0°C	Yes 🗹	N	•	na 🗆	
5.	Sample(s) in j	proper conta	iner(s)?			Yes 🗹	N	•		
6.	Sufficient sam	ple volume f	or indicated to	est(s)?		Yes 🗹	No	b		
7.	Are samples (except VOA	and ONG) pr	operly preserve	ed?	Yes 🗹	No			
8.	Was preserva	tive added to	bottles?			Yes 🗌	No		NA 🗌	
9	Received at le	ast 1 vial wit	h headsnace	<1/4" for AO \	1042	Vec 🗌	No			
10	Were any san	nole containe	ers received h	vroken?			N	• 🔽		
11.	Does paperwo	ork match bo	ttle labels?	A.		Yes 🗹	No	• 🗆	# of preserved bottles checked for pH:	-
12	Are matrices of	correctly iden	tified on Chai) n of Custodv?		Yes 🔽	No		Adjusted?	,
13.	Is it clear what	t analyses we	ere requested	?		Yes 🗹	No			
14.	Were all holdir (If no, notify cu	ng times able ustomer for a	to be met? uthorization.)			Yes 🗹	No		Checked by: JA 27/2	23
Spe	ecial Handl	ing (if app	licable)							
15.	Was client no	tified of all d	screpancies	with this order?	?	Yes 🗌	N	•		
	Person By Who Regardi	Notified: m: ing:			Date: Via:	eMail	Phone [] Fax	In Person	
	Client Ir	nstructions:								
16	Additional rer	marks:								
17.	Cooler Inform	mation								
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed	By		
	1	0.1	Good	Yes	Yogi					
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			07	² ¹		((NВC	1/0	אם / מ	วษ	D(G	9108:Hq	ıΧ				-1							Jarks	bility.
						(120	8) s'	amt	/3	8TI	TEX / N	8											Ren	s possi
Turn-Around Time:	Standard Rush 5 Dr.1 A	Project Name: Double / Outree)		Project #: 23002 - 0002		Project Manager: Curran Charles			Sampler: Austin Fartz, Great rabtree			Container Preservative HEAL No.	407 1 Mi	407 2 m2	402 3 m3	402 4 NON	402 5 CON							Received by: Via: Date Time N.M.M.M. 120/23 831 Received by: Via: Date Time	subcontracted to other accredited laboratories. This serves as notice of the
Chain-of-Custody Record	client: NMOCD - Envirotech.		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Standard Level 4 (Full Validation	Accreditation:			Date Time Matrix Samula Name	1/24/28 10:22 S 581 @ 2'	11241,10;40 5 582 @1'	1124/23 13:40 5 58701	12523 10:10 5 5812@1	125/28 15:30 5 Surface @ Fenceline							Date: Time: Relinquished by: 1-20-33 8:39 Custur Fult Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be eleased to Imaging: 4/14/2023 11:40:20 AM

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February 14, 2023

Greg Crabtree Envirotech 5796 US Highway 64 Farmington, NM 87401 TEL: (505) 632-0615 FAX: (505) 632-1865

RE: Double L Queen

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

OrderNo.: 2302212

Dear Greg Crabtree:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/4/2023 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2302212

Date Reported: 2/14/2023

CLIENT:	Envirotech		C	ient Sample I	D: St	ock Pond	
Project:	Double L Queen		(Collection Dat	e: 2/	1/2023 2:00:00 PM	
Lab ID:	2302212-001	Matrix: AQUEOU	JS	Received Dat	e: 2/4	4/2023 7:50:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 8015M/D: DIESEL RANGE					Analys	t: SB
Diesel Ra	ange Organics (DRO)	ND	1.0	mg/L	1	2/8/2023 6:32:56 PM	73073
Motor Oil	I Range Organics (MRO)	ND	5.0	mg/L	1	2/8/2023 6:32:56 PM	73073
Surr: E	ONOP	101	54.5-177	%Rec	1	2/8/2023 6:32:56 PM	73073
EPA MET	THOD 8015D: GASOLINE RANGE	E				Analys	t: CCM
Gasoline	Range Organics (GRO)	ND	0.050	mg/L	1	2/6/2023 3:48:00 PM	GW9442
Surr: E	3FB	98.2	70-130	%Rec	1	2/6/2023 3:48:00 PM	GW9442
EPA MET	THOD 8260: VOLATILES SHORT	LIST				Analys	t: CCM
Benzene		ND	1.0	µg/L	1	2/8/2023 8:44:00 PM	SL94478
Toluene		ND	1.0	µg/L	1	2/8/2023 8:44:00 PM	SL94478
Ethylben	zene	ND	1.0	µg/L	1	2/8/2023 8:44:00 PM	SL94478
Xylenes,	Total	ND	1.5	µg/L	1	2/8/2023 8:44:00 PM	SL94478
Surr: 1	1,2-Dichloroethane-d4	123	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478
Surr: 4	4-Bromofluorobenzene	101	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478
Surr: E	Dibromofluoromethane	125	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478
Surr: T	Toluene-d8	95.9	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value J
- Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

Page 1 of 4

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Client: Env Project: Dou	virotech ible L Oueen									
Sample ID: MB-73073	Samp	Туре: МЕ	BLK	Tes	stCode: EF	PA Method	8015M/D: Die:	sel Range		
Client ID: PBW	Bato	h ID: 73	073	F	RunNo: 9 4	4473				
Prep Date: 2/8/2023	Analysis	Date: 2/	8/2023	\$	SeqNo: 34	414131	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Motor Oil Range Organics (MR	.O) ND	5.0								
Surr: DNOP	0.51		0.5000		101	54.5	177			
Sample ID: LCS-73073	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die:	sel Range		
Client ID: LCSW	Bato	h ID: 73	073	F	RunNo: 94	4473				
Prep Date: 2/8/2023	Analysis	Date: 2/	8/2023	\$	SeqNo: 34	414140	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	2.5	1.0	2.500	0	101	68.4	146			
Surr: DNOP	0.27		0.2500		109	54.5	177			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit
- KL Kepotung

Page 2 of 4

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2302212

14-Feb-23

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Envirotech Double L Q	ueen										
Sample ID: 2.5ng	gro Ics	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015D: Gasoli	ne Range			
Client ID: LCSW	1	Batch	ID: GV	V94426	F	RunNo: 9	4426					
Prep Date:	/	Analysis D	ate: 2/	6/2023	5	SeqNo: 3	412584	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organi	cs (GRO)	0.59	0.050	0.5000	0	118	70	130				
Surr: BFB		25		20.00		124	70	130				
Sample ID: mb		SampT	уре: МЕ	BLK	Tes	tCode: E	PA Method	8015D: Gasoli	ne Range			
Client ID: PBW		Batch	ID: GV	V94426	F	RunNo: 9	4426					
Prep Date:		Analysis D	ate: 2/	6/2023	S	SeqNo: 3	412585	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organi	cs (GRO)	ND	0.050									
Surr: BFB		21		20.00		107	70	130				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2302212

14-Feb-23

WO#:

Envirotech

Double L Queen

Client:

Project:

Sample ID: 100ng Ics

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS

WO#:	2302212
	14.Feb.23

- Reporting Limit RL

Page 4 of 4

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

Qualifiers: *

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- В
- Е Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

14-Feb-2

Client ID: LCSW	Batch	n ID: SL	94478	F	RunNo: 9 4	478				
Prep Date:	Analysis D	ate: 2/8	3/2023	5	SeqNo: 34	14248	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	25	1.0	20.00	0	127	70	130			
Toluene	22	1.0	20.00	0	111	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		112	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		102	70	130			
Surr: Dibromofluoromethane	11		10.00		110	70	130			
Surr: Toluene-d8	9.8		10.00		97.9	70	130			
Sample ID: mb	SamnT		I K	Tes	tCode: F	A Method	8260 [.] Volatile	s Short Li	st	
	Sampi	ypc. Will		100		/ mounda	eres i elatile			
Client ID: PBW	Batch	n ID: SL	94478	F	RunNo: 94	1478				
Client ID: PBW Prep Date:	Batch Analysis D	n ID: SL 0ate: 2/8	94478 3/2023	F	RunNo: 94 SeqNo: 34	1478 114249	Units: µg/L			
Client ID: PBW Prep Date: Analyte	Batch Analysis D Result	n ID: SL Pate: 2/8 PQL	94478 8/2023 SPK value	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC	1478 114249 LowLimit	Units: µg/L HighLimit	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene	Batch Analysis D Result ND	Date: 2/8 PQL 1.0	94478 9/2023 SPK value	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC	1478 114249 LowLimit	Units: µg/L HighLimit	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene	Batch Analysis D Result ND ND	Date: 2/8 PQL 1.0 1.0	94478 9/2023 SPK value	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC	1478 114249 LowLimit	Units: µg/L HighLimit	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene	Batch Analysis D Result ND ND ND	Date: 2/8 PQL 1.0 1.0 1.0	94478 9/2023 SPK value	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC	1478 114249 LowLimit	Units: µg/L HighLimit	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Analysis D Result ND ND ND ND ND	Date: 2/8 PQL 1.0 1.0 1.0 1.0 1.5	94478 3/2023 SPK value	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC	1478 114249 LowLimit	Units: µg/L HighLimit	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Analysis D Result ND ND ND ND ND ND 12	PQL 1.0 1.0 1.0 1.0 1.0 1.5	94478 3/2023 SPK value 10.00	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC	1478 114249 LowLimit	Units: µg/L HighLimit 130	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	Analysis D Result ND ND ND ND ND 12 10	PQL 1.0 PQL 1.0 1.0 1.0 1.0 1.5	94478 3/2023 SPK value 10.00 10.00	F SPK Ref Val	RunNo: 94 SeqNo: 34 %REC 117 102	1478 114249 LowLimit 70 70	Units: µg/L HighLimit 130 130	%RPD	RPDLimit	Qual
Client ID: PBW Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane	Analysis D Result ND ND ND 12 10 12	PQL 1.0 PQL 1.0 1.0 1.0 1.5	24478 3/2023 SPK value 10.00 10.00 10.00	SPK Ref Val	RunNo: 94 SeqNo: 34 %REC 117 102 117	1478 114249 LowLimit 70 70 70 70	Units: µg/L HighLimit 130 130 130	%RPD	RPDLimit	Qual

TestCode: EPA Method 8260: Volatiles Short List

HALL ENVIR ANALY LABOR	CONMENTAL YSIS RATORY	Hall Environmental Alba TEL: 505-345-3975 Website: www.ha	Analys 4901 uquerqu FAX: S ullenvire	is Laborator Hawkins N ue, NM 8710 505-345-410 onmental.co	99 72 99 Sarr 97 m	ple Log-In C	heck List
Client Name:	NMOCD District II	Work Order Number	: 2302	212		RcptNo:	1
Received By:	Cheyenne Cason	2/4/2023 7:50:00 AM		,	Chent		
Completed By:	Cheyenne Cason	2/4/2023 10:40:24 AM			Chent		
Reviewed By:	1 2-6-23						
Chain of Cus	tody						
1. Is Chain of C	ustody complete?		Yes		No 🗹	Not Present	
2. How was the	sample delivered?		<u>Cour</u>	ier			
<u>Log In</u> 3. Was an atten	npt made to cool the samples	2	Yes		No 🗌	na 🗋	
4. Were all sam	ples received at a temperature	e of ≥0° C to 6.0°C	Yes	\checkmark	No 🗌	NA 🗆	
5. Sample(s) in	proper container(s)?		Yes		No 🗌		
6. Sufficient sam	nple volume for indicated test(s)?	Yes	<	No 🗌		
7. Are samples ((except VOA and ONG) prope	rly preserved?	Yes	\checkmark	No 🗌		
8. Was preserva	ative added to bottles?		Yes		No 🗹	NA 🗌	
9. Received at le	east 1 vial with headspace <1/	4" for AQ VOA?	Yes	V	No 🗌		
10. Were any sar	mple containers received brok	en?	Yes		No 🗹	# of preserved	
11. Does paperwo (Note discrep	ork match bottle labels? ancies on chain of custody)		Yes		No 🗆	for pH: (<2 or	>12 unless noted)
12. Are matrices	correctly identified on Chain o	FCustody?	Yes		No 🗌	Adjusted?	
13. Is it clear what	t analyses were requested?		Yes		No 🗌 🛛		10 0 1 (100
14. Were all holdi (If no, notify c	ing times able to be met? sustomer for authorization.)		Yes		No 🗌	Checked by:	1~216 23
Special Hand	ling (if applicable)						
15. Was client no	otified of all discrepancies with	this order?	Yes		No 🗌	NA 🗹	
Person By Wh Regard Client I 16. Additional re	Notified:	Date: Via: [_] eMa	ail 📋 Pho	one 🗌 Fax	In Person	
Client I	information incomplete CMC	2/4/23					
17. <u>Cooler Info</u> Cooler No 1	mation 5 Temp °C Condition 5 1.8 Good Y	Seal Intact Seal No Seas Morty	Seal D	ate S	igned By		

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Chain of Custody



Client: NN	10CD					Bill To			Sec. Com	7	ab Use	Only				1	AT	EP	A Prog	ram
Project: D	ouble L C	<u>ueen</u>				ention:			Lab V	#0		nN do	mber		2	B	Standarc	S U	A S	DWA
<u>Project Mani</u> Address:	ager:	Greg Cr.	aptree			dress: /, State, Zip					_∢	nalysis	and Me	thod			×			KCRA
City, State, Z	<u>.a</u>					one:							0						H	×
<u>Phone:</u> <u>Email: I. Gar</u> Report due b	cia B. Hal V:	l G. Crat	otree T.	Knight		ail:				0.005 4	09	18H 0/M d	VS8 cəlitile				N N N N N N N		AZ T)	
Time Dat	e Sampled	Matrix	No. of Containe	sample	Die	2	302 212	Lab Number	8012 DKO'PM	Chloride	8TEX 82	9 sleteM Full TCL	oV-imə2	BCI	PC8's			Rema	arks	
12 00:[4]	1163	Ą	n I			Stock pond		12	×		×									
																		в		
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×														1						
x date or time of co	Ilection is co.	nsidered fr	aud and m	hay be ground	ds for legal action.	Sampled by: Isaac G	arcia				N G	umples rec acked in Ic	uiring ther e at an avg	mal prese temp abo	srvation m ove 0 but	ust be rec ess than 6	ceived on ice the d °C on subsequent	ay they are s t days.	ampled or	received
Relinquished by	/: (Signature		ă N ,	ate 2/3/23	Time 1323	Received by; (Signature)		213/2	<u>لة</u>	133	0	teceive	ed on ic	ii	P ab L	lse On I	Ŋ			
Relinquished by	r: (Signature	<u> </u>	ŏ	ate 2/3/27	Time 1705	Received that Sich at ural	COW & D	ate / 12	S L	075C	F	1 1.8	1=0=1.8	El sol	0		Ę			
Relinguighed by	/: (Signatur	(a	ŏ	ate	Time	Received by: (Signature)	Ő	ate	Tin	ne	٩	VG Te	mo °C				Marty			
Sample Matrix: S	- Soil, Sd - So	ilid, Sg - Slui	dge, A - Ac	queous, O - O)ther			ontainer T	Type: g	- glass,	h- pol	//plasti	c, ag - al	mber g	glass, v	- VOA				
Note: Samples a samples is appli	are discarde cable only t	ed 30 days to those se	after res amples re	sults are rep sceived by tl	vorted unless other he laboratory with t	arrangements are made. Haza this COC. The liability of the lab	rdous sampl oratory is lin	les will be ru nited to the	eturnec amour	d to clier ht paid fe	it or disp or on the	oosed o e report	at the cl.	lient ex	pense.	The rep	oort for the an	alysis of th	he above	(1)
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envirotech

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

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CANYON E & P COMPANY	269864
251 O'Connor Ridge Blvd.	Action Number:
Irving, TX 75038	207904
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Work Plan	4/14/2023

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