

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	-	-
	3	Storage Room Block	ND	-	-
	4	Office Paint	NA	NA	<0.013
	5	Hall Paint	NA	NA	<0.010
1/24/2023	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)
			nation Closure Criteria - 19.15.29.13 NMAC)	100 mg/kg	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	100.070002		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		5002	156	NA	472
	SB3@1ft	33.055608,		888	NA	83
	SB3@2ft	-103.975179	North of Tank 2	184	NA	83
	SB3@4ft	- 33.055522,		28	NA	904
	SB4@1ft			6,264	NA	3,231
-	SB4@2ft		North of Heater	1,048	NA	2,963
	SB4@4ft	-103.975146	Treater Battery 1	268	NA	2,726
1/25/2023	SB4@6ft	_		220	NA	1,836
	SB4@8ft			360	NA	1,575
4/04/0000	SB5@1ft			1,612	NA	>6,148
1/24/2023	SB5@2ft	33.055509,	West of Separator	1,060	NA	2,726
4/05/0000	SB5@4ft	-103.975225	3.975223 Battery 1	304	NA	3,534
1/25/2023	SB5@6ft			156	NA	1,575
1/24/2023	SB6@1ft	33.056482,	South of Battery 1	360	NA NA	1,458
1/25/2023	SB6@2ft SB6@4ft	-103.975226	Outside Containment	416 76	NA	1,458
1/25/2025	SB7@1ft**		East of Heater	6,708/6,400	0.6/0.054	1,836
1/24/2023		33.055537,	Treater Outside		0.0/0.034 NA	>6,148/3,900
1/25/2023	SB7@2ft SB7@4ft	-103.975043	Containment	4,380	NA	>6,148
1/23/2023	SB8@1ft			140 620	NA	3,883 NA
1/24/2023	SB8@2ft	33.055704,		176	NA	NA
1/25/2023	SB8@4ft	-103.975143		16	NA	1,836
1/20/2020	SB9@1ft	North of Battery 2	1,388	NA	982	
-	SB9@2ft	33.065554,	33.065554, -103.974800 Outside of Containment	1,184	NA	2,319
	SB9@4ft	103.974800		4	NA	1,984
ŀ	SB10@1ft		West of Battery 2	1,604	NA	3,883
	SB10@2ft	- 33.055441,	Outside of	1,952	NA	>6148
ŀ	SB10@4ft	-103.974929	Containment	476	NA	>6148
1/25/2023	SB11@1ft		South of Battery 2	204	NA	1,984
	SB11@2ft	- 33.055359,	Outside of	108	NA	1,458
	SB11@4ft	-103.974907	Containment	0	NA	2,144
Ē	SB12@1ft**			>5,596/10,146	NA/<0.445	2,726/6,400
ľ	SB12@2ft	33.055455,	Inside Containment	2,000	NA	3,883
	SB12@4ft	-103.974874	of Battery 2 Btwn Tank 5 and 7	576	NA	2,319
	SB12@6ft			132	NA	1,836
	SB13@1ft	22 055020	Up Credien of	588	NA	426
ſ	SB13@2ft	- 33.055838, 103.975378	Up-Gradien of Release	64	NA	762
ſ	SB13@4ft	-103.313310	1100030	28	NA	1,700
	SB14@1ft	22 055576	East Delineation	64	NA	698
	SB14@2ft	- 33.055576, -103.975446	Point of Source	8	NA	1,836
[SB14@4ft			16	NA	3,234
	SB15@1ft	33.055684,		1,700	NA	636
	SB15@2ft	-103.975490	Center of Source	256	NA	1,068
	SB15@4ft			92	NA	1,575
	SB16@1ft	33.055792,	West Delineation	5,224	NA	294
	SB16@2ft	-103.975551	Point of Source	>6,232	NA	831
	SB16@4ft			64	NA	1,575
	SB17@1ft	33.055651,	Delineation Point at	72	NA	<32
1/31/2023	SB17@2ft	-103.975659	Road	NA	NA	64
	SB17@4ft	100.010000	1,000	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)
			nation Closure Criteria - 19.15.29.13 NMAC)	100 mg/kg	Not Established	600 mg/kg
	SB18@1ft	00.055540	Delineation Point In	544	NA	61
	SB18@2ft	33.055513,	Spill Path South of	236	NA	1,575
	SB18@4ft	-103.975834	Road	8	NA	1,836
	SB19@1ft	33.055394,		2,480	NA	1,458
	SB19@2ft		Bare Area Outside	3,336	NA	1,575
	SB19@4ft	-103.975797	Fence	3,584	NA	1,154
	SB20@1ft	00.0550.44		5,172	NA	<32
	SB20@2ft	33.055341, -103.976058	Narrow Spill Path – Delineation Point –	392	NA	45
	SB20@4ft	-103.976058	Delineation Point	668	NA	474
	SB21@1ft			88	NA	160
	SB21@2ft	33.054847,	Narrow Spill Path	NA	NA	1,068
	SB21@4ft	-103.976363	Delineation Point	NA	NA	894
	SB22@1ft			16	NA	590
	SB22@2ft	33.054380,	Southern Extent at	20	NA	928
	SB22@4ft	-103.976830	Spill Dog Leg	NA	NA	220
	SB23@1ft		Conton of Douding	28	NA	<32
	SB23@2ft		Center of Ponding	8	NA	38
	SB23@4ft	-103.977065	North of Cut Across	NA	NA	274
	SB24@1ft			8	NA	<32
	SB24@2ft	33.054808, -103.976955	North Cut Across	4	NA	32
	SB24@4ft		Delineation Point	NA	NA	32
	SB25@1ft			4	NA	79
	SB25@2ft	33.054597,	North Cut Across	16	NA	64
	SB25@4ft	-103.976951	Delineation Point	NA	NA	53
	SB26@1ft	33.054522,		836	NA	45
	SB26@2ft		Center of Ponding at	952	NA	<32
	SB26@4ft	-103.977267	Road Intersection	344	NA	<32
2/1/2023	SB27@1ft			68	NA	<32
	SB27@2ft	33.054682,	Southern Delienation	16	NA	<32
	SB27@4ft	-103.977265	Point	NA	NA	89
	SB28@1ft			4	NA	<32
	SB28@2ft	33.054492,	Southern Delienation	NA	NA	45
	SB28@4ft	-103.977150	Point	NA	NA	160
	SB29@1ft		Bare Area Outside	4	NA	<32
	SB29@2ft	33.055350,	Fence Delineation	NA	NA	<32
	SB29@4ft	-103.975761	Point	NA	NA	<32
	SB30@1ft			44	NA	<32
	SB30@2ft	33.055800,	Northern Delineation	NA	NA	255
	SB30@4ft	-103.975588	Point	NA	NA	2,914
	SB31@1ft			24	NA	<32
	SB31@2ft	33.055885,	Background	NA	NA	<32
	SB31@4ft	-103.975883		NA	NA	337
1/25/2023	Surface @ Fenceline	33.05588, -103.975384	Sample Collected for In Situ Remediation Formulation	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	
			Longitudo		
Pond		33.05273	-103.97774	837 ft	
•	<u>50-100_f</u> t (bgs)				
Cathodic Report/Site Specific Hydrogeology					
Elevation Differential	1 foot elevation	ohanga hati	waan aita and		
	USGS Well with				
Water Wells	100 feet		iuicales walei	15 1055 111011	
Sensitive Receptor Determination	100 1001				
Was groundwater or surface water impacte	d?			No	
<300' of any continuously flowing watercou	rse or any other	significant w	atercourse	No	
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary 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 or within a defined municipal fresh water well field					
<300' of a wetland					
Within the area overlying a subsurface mine	e			No	
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		50-100 🔽	>100 🗌		
Benzene	-	10	10		
BTEX (mg/kg)	Î	50	50		
8015 TPH (GRO/DRO) (mg/kg)	Î	1,000	1,000		
8015 TPH (GRO/DRO/MRO) (mg/kg)	Î.	2,500	2,500		
Chlorides (mg/kg)	600	10,000	20,000	1	



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OCD Well Locations



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New Mexico Oil Conservation Division





Received by OCD: 4/14/2023 10:46:50 AM Water Well 330221104003101

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Distance to USGS Well

249

Line	Path	Polygon	Circle	3D path	3D polygor
Measur	e the dist	ance betwee	n two point	ts on the gr	ound
	Map Len	gth:		2.23 Mil	es 🔹
G	round Len	gth:		2.23	
	Head	ling:		60.38 deg	rees
1000	ouse Navio			Save	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

	a category.	
Gro	oundwater	N 1

Data Catagory

Geographic Area:

GO

V

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

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


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				ENVITOTEC (505) 632-0615 (500) 362- (96 U.S. Hwy 44, Farmington,	4.070	C.O.C. No:	ntal Specialist:	
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Location: Project #

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ADDITIONAL CLOSUF SAMPLE NAME 200/500/1250 Standards SBIQI' SBIQ2' SBIQ4' SB2Q1' SB2Q2'	TIME COLLECTED / 10:15 10:22 10:30 10:40 10:44	DESCRIPTION (lat/long or location) / Dark, Odor Dark odor Light Light	10:20 10:25 10:35 10:54 11:38 11:42	READING / / 15 766 249 39	CAL ppm 1686 3564 60 3064 996 156	V	VOC PID/OV ppm	Chloride mg/kg 181 1350 426 472	
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Page 1 Of

Revised 9/15/2022

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SB6@2'	13:30	Dark	13:43	104	916			1458	
SB6@4'								> 0102	110 3770
SB7@1	13:40	Dark, Montor	13:58	1677	6708		0.6	7(148	HR 3883
SB702	13:42	Dark	14:02	1695	4380			26148	HR 3883
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SB8@1' SB8@2'	14:02	Dark V	14:23	44	176				
Notes:									

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. Extenses 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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Rite in the Rain



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

Location: Project # Date:

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DATE:		2023 505-632				LAT:		Tables 1	
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Land Use/Well Status		<u>.</u>	e.			Land Own	er:		-
REGULATORY AGEN	CY:				CLOSU	RE STDs:		a de parter _{en} a	
ADDITIONAL CLOSUF		ENTS:		•					
				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	
531401	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	
SBIJOI	12:33 -	Dark Brown	14:27	425	1700			636	
5131502	12:30	Medium Brown	14:30	64	256			1068	
5315 @ 4	12:39	Light Brown	14:38	23	92			1575	
531601	12:42	Park Brown	14:41	1306	5224		1993 (m. 1993)	294	
SBILOZ	12:45	medium Brown	14:45		6232			\$31	
5316 - 4'	12:48	Light Brown	14:48		64			1575	
Notes:		· M				•			

Page 1 Of 2

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

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CLIENT: CLIENT/JOB #: DATE:	<u>23002-0062</u> <u>1-31-2023</u> <u>505-632</u> 505-632			32-0615	rote 1-800-3 Highway 6	62-1879	Site Nam		<u> T. Gipreiní</u> <u>D. Arngon</u>	
Page #	of	2			n, NM 874					
			Field	Screer	ning Re	port	and the second		(1,1) = (1,1) + (1,1	
and a start of the second			Mark Late	and the second second	TPH		V	00	Chloride	Lab
SAMPLE NAME	TIME COLLECTED		RIPTION or location)	TIME	READING	CALC. ppm	TIME	PID/OV ppm	mg/kg	Y/N
SBIZOI	12:51	Darle Br		15:16	18	72		ppm	<32	
5131702'	12:54	-	Brown						64	
SBIJ04'	12:59		Brown						1199	
513 18 0 1	13:01	Dark B	town	15:24	136	544			61	
531802	13:03	Lights	hown	15:27	59	236			1575	
531804	13:06	Light B	nun	15:40	2	8			1836	
131901	13:11	Dark 13	rown	15:56	620	2480			1458	
5131902	13:13	Dark B	rown	15:59	834	3336			1575	
513 19 0 4	13:14	Lightim	edium 131.	16:03	894	3584			1154	
5132001	13:20	Dark Bto		16:08	1293	5172			< 32	
5132002	13:23	Medium	Brown	16:11	98	392			45	
532004	13:25		Brown		167	668			474	
	13:30		Brown	16:21	22	88			160	Acres -
51321 @ 2 51321 @ 4'	13:33		Brown						1068	
310 21 69 4	12.30	Medium	usionn						894	
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Location: Project #

CLIENT:	NMOC						Envert	Suclet-O	Aragont	Concert
CLIENT/JOB #:	23002-	-	3	envi	roted	:n		58:00		Carriet
DATE:		023	505-63	2-0615	1-800-3	62-1879	LAT:	0.00	VII JILG.	in the second to be
WEATHER: (TEMP, C		025			Highway (LAT:			
JSA TIME:		ŀ			n, NM 874		LONG			
Purpose/Objective:	(include proje	ct narrative					itions at e	nd of dav)	and the second	
Horizon	ital live	r): cal	۵.III ط ال	neatic	n for	TPI	h And	Chie	orides	
LOCATION:	Name:	Double	1 0	11000	Well #			API:		
	County:					NM	'ì	HWY-MM:		
Cause of Release:	Oil tan	-				- Oil		- Amt. Relea	sed:	
QUAD/UNIT			1010	TWP:		RNG:		- PM:		
Spill Located Approxin		F	т.			- X				1.7
							Volume (c	y/tons):		Re Marine Hall
Disposal Facility:				_		-				
Land Use/Well Status		1					Land Own	er:		
REGULATORY AGEN	ICY:					CLOSUF	RE STDs:			
ADDITIONAL CLOSU	RE REQUIREM	IENTS:								The other states and the
			DTION		ТРН		V		Chloride	Lab
SAMPLE NAME	TIME COLLECTED	DESCRI (lat/long or		TIME	READING	CAL ppm	TIME	PID/OV ppm	mg/kg	Y/N
200/500/1250 Standards	9:20 /	200500/1	81		1 1		tes:			
5B22 @ 1	9:30	Dark Brow	J _n	10:36	04	16			590	
SB22 @ 2	9:32	Dark BA		10:39	05	20	.1		928	
5B22 @ 4'	9:37	nedium						Sand Sand Sand	220	
5823 @ 1'	10:03	DATK B	stown	11:00	67	28			432	
SB23 @ 2'	10:06			11:05	02	8			38	
SB23 @ 4'	10:12	medium							274	
SB24 Q I'	10:20	Park B		11:31	02	B			432	
5824 6 2	10:23	DOTIL B		11:34	01	4			32	
	10:28	Daik rie							32	
5825 @ 1'	10:39	Dark Br		12:01	01	4		4	79	
	10:42	medium		12:04	04	16			64	
	10:47	Redish							53	
Notes:										

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	2 _of_		Farmingto	irotech 5 1-800-362-1879 5 Highway 64 ton, NM 87401					
				.,	1°01			and the second second	tor- to the total
		LIE LIE	eld Screer	ing Rep	oort	4000 A.P.P.		2 48 11 11	
				TPH	and the second	V) C	Chloride	Lab
	TIME	DESCRIPTION (lat/long or locati		READING	CALC. ppm	TIME	PID/OV ppm	mg/kg	Y/N
SB26 @ 1' 11	0:56	Light Brown		209	836			45	
	1:02	Met um Broi		238	952			432	-
	1:12	Dark BIDLY		86	344			432	
	1.24	LIGHT Brown	13:00	17	68			433	
	1:26	mp dinn Brok		04	16			432	
	11:31	RUZISH Brow	in l					69	-
	12:08	medium group		01	4			45	
5828 @ 2	17:11	medium Brow	14					160	
	12:13	reash Brown						432	
SB2G Q 1'	12:35	Medium Brow		01	4			432	
SB29 02		Light Bra	'n					432	
5329 @ 41	12:41	LIGHt Brow			14			430	
5B30 @1	12:54	Dart Brown		11	40				
5830 @ 21	12:56	Light Brown						255	
JB 30 @ 4'	13:01	Light Orow		06	24		1000 C	432	
5331 (01)	13:07	Dark Brown		00	¢1			432	
5131 6 2'	13:09	Light Brow						331	
563 04"	13:12	Light Brown			10.01				
1.000									
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		NOTES: Inclu	udo laborato	ny analys	is inform	ation		<u> </u>	
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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

		NVLA	P#101926-0	1				
Client:	ENVIROTEC	Н	Job#	/ P.O. #:	23002-0002	146555		
Address:	5796 HIGHW	/AY 64-3014	Date	Received:	01/31/2023			
	FARMINGTO	N NM 87401	Date	Analyzed:	02/07/2023			
Collected:	01/27/2023		Date	Reported:	02/07/2023			
Project Nam	e: NM OCD/CA	NYON E & P DOUBLE L	EPA	Method:	EPA 600/R-93/116			
Address:	QUEEN		Subr	nitted By:	JOHN ALFONSO	DE ANDA		
			Colle	ected By:				
Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbesto Detecter	s Asbestos T d (%)		sbestos tituents		
0286253-001 0-15601		LAYER 1 Floor Tile, Tan	No	None Detected	Carbonates			
					Quartz Binder/Filler	100%		
		LAYER 2	No	None Detected	Cellulose Fib	er 1%		
		Mastic, Yellow			Carbonates Quartz Binder/Filler	99%		
		LAYER 3	No	None Detected	Cellulose Fib	er <1%		
		Thin Set, Gray			Quartz Gypsum Carbonates Mica Binder/Filler	99%		
0286253-002		LAYER 1	No	None Detected	Cellulose Fib	er 12%		
0-15602		Drywall Ceiling Tile, White/ Brown/ Off White			Gypsum Carbonates Quartz Mica	88%		
		LAYER 2	No	None Detected				
		Popcorn, White			Carbonates Gypsum Mica Quartz Binder/Filler	100%		
0286253-003		Blocking, White	No	None Detected	Synthetic Fib	er 15%		
0-15603					Gypsum 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

		NVLA	P#101926	-0			
Client:	ENVIROTE	СН	Job	# / P.O. #:	23002-000)2 14	6555
Address:	5796 HIGH	WAY 64-3014	Dat	e Received:	01/31/2023	3	
	FARMINGT	ON NM 87401	Dat	e Analyzed:	02/07/2023	3	
Collected:	01/27/2023		Dat	e Reported:	02/07/2023	3	
Project Name	e: NM OCD/C	ANYON E & P DOUBLE L	EPA	A Method:	EPA 600/F	₹-93/116	
Address:	QUEEN		Sub	mitted By:	JOHN ALF	ONSO DE	ANDA
			Col	lected By:			
Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbest Detecte	os Asbestos T ed (%)	уре	Non-Asbe Constitue	
0286253-005 0-15605		Manway Gasket, Black/ Tan	No	None Detected	Qua	oonates rtz ler/Filler	100%
0286253-006 0-15606		Insulation, White/ Tan	No	None Detected	Carl Qua	ous Glass ponates rtz ler/Filler	98% 2%
0286253-007 0-15607		Window Caulking, Tan	No	None Detected	Silic	one	100%
0286253-008 0-15608		Pipe/ Valve Insulation, Brown/ White	No	None Detected	Cell Gyp Qua Cart		33% 2% 65%
0286253-009 0-15609		Separatory Gasket, Black/ Tan	No	None Detected	Qua	oonates rtz ler/Filler	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</u> 68	of	9)
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age _1_ of	_1_		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.	
/IPANY NAME:	ENVIROTECH		BILL TO:	-	(If Different Location)	
	5796 Highway 6	4-3014			· · ·	
	Farmington, NM		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
ACT:	Donald Ortiz		Scan COC	;		
e/Fax:	(505) 632-0615	/ 505-632-1865	j			
:	enviroadmin@envir	otech-inc.com; da	ortiz@envirotech-inc.com jdeanda	@envirotech	-inc.com	
v Accepting:	VISA – MASTER	CARD	Price Quoted: \$	/ Samı	ole \$/ Laye	
TYPE OF ANA DISPOSAL IN	STRUCTIONS:	IKPM [Air Dispose of indicate preference	<u>-PCM] [Lead] [Point Count]</u> of samples at EMC] [Return sam ence, EMC will dispose of samples <u>30 c</u>	ples to me a	t <u>my expense</u>]	
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		
7	0-15607	1/27/2023	7- Window Caulking	YN		
8	0-15608	1/27/2023	8- Pipe/ Valve Insulation	YN		
9	0-15609	1/27/2023	9- Sep Gasket South	10 N		
- <u>'</u>	0 10000			Y N		
				Y N		
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ECIAL INSTRUC nple Collector: inquished by:_	(Print) John D	<u>e Anda</u> nda_ Date/Tim	e:01/30/2023 08:08 Received by 1) in Pate/Time: 1^31-2-2 (Received by	(Signature)	John Je And Date/Time: 31-	
			Date/Time:		20	

** 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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Page	1	of	1

CHAIN OF CUSTODY

LAB#:

TAT:

L95774

3-5 Day

EMC Laboratories 9830 S. 51st St., Ste B-109 Phoenix, AZ 85044 (800) 362-3373 Fax (480) 893-1726

		(800)	Phoenix, AZ 85044 362-3373 Fax (480) 8	93-1726	Rec'd:	JAN é	5 1 2023	
IMPANY NAM	ENVIROTECH			BILL TO:		(If Different	Location)	4
	5796 Highway 6	4-3014				•		
	Farmington, NM	87401	•		· · · · · · · · · · · · · · · · · · ·			
ITACT:	Donald Ortiz			Scan COC	;			
ne/Fax:	(505) 632-0615	/ 505-632-1865						
il;	<u>enviroadmin@envir</u>	otech-inc.com; do	rtiz@envirotech-inc.com	jdeanda	@envirotech	-inc.com		
w Accep	ting: VISA – MASTER	RCARD	Price Qu	oted: \$	/ Sam	ple \$		/ Layers
MPLET	TE ITEMS 1-4: (Failur	e to complete	any items may cause a	delay in pro	ocessing or a	analyzing	vour sam	ples)
* <u>Prior</u> confi *Additiona *Laborator TYPE O	irmation of turnaround time is I charges for rush analysis (plo y analysis may be subject to c F ANALYSIS: [Bu SAL INSTRUCTIONS:	ease call marketing delay if credit term lk-PLM] [Air- [Dispose o	g department for pricing deta s are not met	ails) nt Count] [Return sam		, W-C, Bu t <u>my exp</u>	lk, Swab,	Tape]
. Proiec	tName:NMOCD/C	anvon F&P Do	uble L Oueen					
EMC SAMPLE #	umber:146555 CLIENT SAMPLE #	DATE & TIME SAMPLED	Project Number:23002-0 LOCATION/MATERIAL TYPE		Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON OFF FLOW RATE		
1	0-15610	1/27/2023	1- Hall Paint/ T	an	(V)N			
2	0-15611	1/27/2023	2- Office Paint / V	lhita				
	0-13011	1/21/2023		VIIIC	Y N			
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	STRUCTIONS: lector: (Print)John De	e Anda	(s	ignature)	Jahn	De Ar	rden	
linguishe	ed by: John De Ar	<u>nda</u> Date/Time	:01/30/2023 08:28 Rece	ived by:	WB.		_Date/Tim	1e: <u>1/31/23</u>
	ed by: 46	Da	ate/Time: <u>1/31/23</u> 12:430	Received by	11		_Date/Tim	· ()
linquishe	ed by:	Da	ate/Time I	Received by	: <u> </u>		_ Date/Tin	ne:

** 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 RECEIVI		E D:	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.:	146	555	
PROJECT NAME:		NM OCD / Canyon E&P Double L Queen		PROJECT NO.:	23002	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:

Page 1 of 1



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 Queer	L	Collection Date: 1/24/2023 10:22:00 AM Matrix: SOIL Received Date: 1/27/2023 7:25:00 PM						
Lab ID: 2301A30-001	Matrix: SOIL							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANI	ONS					Analysi	: CAS	
Chloride	200	59		mg/Kg	20	2/1/2023 1:24:30 PM	72929	
EPA METHOD 8015D MO	D: GASOLINE RANGE					Analyst	: RAA	
Gasoline Range Organics (0	GRO) ND	4.8		mg/Kg	1	1/31/2023 3:24:47 PM	72876	
Surr: BFB	115	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876	
EPA METHOD 8015M/D: I	DIESEL RANGE ORGANICS					Analyst	: DGH	
Diesel Range Organics (DR	O) 1900	470		mg/Kg	50	1/31/2023 4:18:35 PM	72892	
Motor Oil Range Organics (I	MRO) 3100	2400		mg/Kg	50	1/31/2023 4:18:35 PM	72892	
Surr: DNOP	0	69-147	S	%Rec	50	1/31/2023 4:18:35 PM	72892	
EPA METHOD 8260B: VO	LATILES 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	
Ethylbenzene	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-Bromofluorobenze	ene 115	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876	
Surr: Dibromofluorometha	ane 109	70-130		%Rec	1	1/31/2023 3:24:47 PM	72876	
Surr: Toluene-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		Cl	ient S	ample II	D: SB	2@1'		
Project:	Double L Queen		(Collec	tion Dat	e: 1/2	24/2023 10:40:00 AM		
Lab ID:	2301A30-002	Matrix: SOIL	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		ND	60		mg/Kg	20	2/1/2023 1:36:54 PM	72929	
EPA MET	HOD 8015D MOD: GASOL	INE 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 RA	ANGE ORGANICS					Analyst	DGH	
Diesel Ra	ange Organics (DRO)	820	99		mg/Kg	10	2/1/2023 1:02:42 PM	72892	
Motor Oil	I Range Organics (MRO)	580	500		mg/Kg	10	2/1/2023 1:02:42 PM	72892	
Surr: E	DNOP	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	1,2-Dichloroethane-d4	124	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
Surr: 4	1-Bromofluorobenzene	125	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
Surr: E	Dibromofluoromethane	111	70-130		%Rec	1	1/31/2023 3:52:04 PM	72876	
Surr: 1	Foluene-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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2301A30

Date Reported: 2/10/2023

CLIENT	: Envirotech		Client Sample ID: SB7@1'							
Project:	Double L Queen		(Collect	tion Dat	e: 1/2	24/2023 1:40:00 PM			
Lab ID:	2301A30-003	Matrix: SOIL	Received Date: 1/27/2023 7:25:00 PM							
Analyses		Result	RL	Qual	Units	DF Date Analyzed		Batch		
EPA ME	THOD 300.0: ANIONS						Analyst	: NAI		
Chloride	9	3900	150		mg/Kg	50	2/2/2023 8:48:31 AM	72929		
EPA ME	THOD 8015D MOD: GASOLI	NE RANGE					Analyst	RAA		
Gasolin	e Range Organics (GRO)	ND	4.8		mg/Kg	1	1/31/2023 4:19:19 PM	72876		
Surr: 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 F	Range Organics (DRO)	3000	490		mg/Kg	50	1/31/2023 5:21:55 PM	72892		
Motor O	il Range Organics (MRO)	3400	2400		mg/Kg	50	1/31/2023 5:21:55 PM	72892		
Surr:	DNOP	0	69-147	S	%Rec	50	1/31/2023 5:21:55 PM	72892		
EPA ME	THOD 8260B: VOLATILES S	HORT LIST					Analyst	RAA		
Benzen	e	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		
Ethylber	nzene	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-Bromofluorobenzene	119	70-130		%Rec	1	1/31/2023 4:19:19 PM	72876		
Surr:	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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2301A30

Date Reported: 2/10/2023

CLIENT: Envirotech		Cl	ient S	ample Il	D: SB	312@1'	
Project: Double L Queen		(Collec	tion Dat	e: 1/2	25/2023 10:10:00 AM	
Lab ID: 2301A30-004	Matrix: SOIL Received Date: 1/27/2023 7:25:00 PM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: NAI
Chloride	6400	600		mg/Kg	200) 2/2/2023 9:00:56 AM	72929
EPA METHOD 8015D MOD: GASOLIN	E RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	46	9.8		mg/Kg	2	1/31/2023 4:46:32 PM	72876
Surr: BFB	137	70-130	S	%Rec	2	1/31/2023 4:46:32 PM	72876
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	DGH
Diesel Range 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: DNOP	0	69-147	S	%Rec	50	1/31/2023 6:03:56 PM	72892
EPA METHOD 8260B: VOLATILES SH	ORT 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
Ethylbenzene	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: 1,2-Dichloroethane-d4	123	70-130		%Rec	2	1/31/2023 4:46:32 PM	72876
Surr: 4-Bromofluorobenzene	137	70-130	S	%Rec	2	1/31/2023 4:46:32 PM	72876
Surr: Dibromofluoromethane	110	70-130		%Rec	2	1/31/2023 4:46:32 PM	72876
Surr: Toluene-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

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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 QueenCollection Date: 1/25/2023 3:30:00 PM										
Lab ID:	2301A30-005	Matrix: SOIL		Received Dat	t e: 1/2	27/2023 7:25:00 PM				
Analyses	5	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: GASOL	INE RANGE				Analyst	RAA			
Gasolin	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 F	Range 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			
Benzen	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

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Client: Project:	Envirotech Double L	•									
Sample ID: MB-	e ID: MB-72929 SampType: mblk					TestCode: EPA Method 300.0: Anions					
Client ID: PBS	;	Batch	ID: 72	929	F	RunNo: 9 4	1346				
Prep Date: 2/1	/2023	Analysis D	ate: 2/	1/2023	5	SeqNo: 34	408160	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS	-72929	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCS	S	Batch	ID: 72	929	F	RunNo: 9 4	1346				
Prep Date: 2/1	/2023	Analysis D	ate: 2/	1/2023	5	SeqNo: 34	408161	Units: mg/K	g		
Analyte		Result	PQL	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 ____

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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 Qu	al			
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 Qu	al			
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 Qu	al			
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 Qu	al			
Surr: DNOP	9.9 10.00	98.8 69	147				

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:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Double	e L Queen										
Sample ID: LCS-72876	SampT	ype: LC	S4	Tes	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batcl	Batch ID: 72876			RunNo: 94292						
Prep Date: 1/27/2023	1/27/2023 Analysis Date: 1/30/2023				SeqNo: 3405799 Units: mg/Kg						
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				
Sample ID: mb-72876	Samp	vpe: ME	BLK	Tes	Code: El	PA Method	8260B: Volat	iles Short	List		

Sample ID: mb-72876	S SampType: MBLK TestCode: EPA N					PA Method	thod 8260B: Volatiles Short List						
Client ID: PBS Batch ID: 72876			F	RunNo: 94	4292								
Prep Date: 1/27/2023	ate: 1/27/2023 Analysis Date: 1/30/2023		S	SeqNo: 3405800 U			Units: mg/Kg						
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

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L	Hall Environmental Analysis Laboratory, Inc.						
Client: Project:	Envirote Double	ech L Queen					
Sample ID: LCS-72876 SampType: LCS		SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID: LC	SS	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: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batcl	n ID: 72	876	F	RunNo: 9	4292				
Prep Date: 1/27/2023	Analysis D	0ate: 1/	30/2023	5	SeqNo: 3	405776	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								

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

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	ANAL	ONMENT YSIS RATORY	AL	TE	A L: 505-345-39	al Analysis Lab 4901 Haw Ibuquerque, NA 75 FAX: 505-34 hallenvironmer	kins NE M 87109 45-4107	Sar	nple Log-In Cheo	sk List
c	lient Name:	Envirotech		Work	Order Numb	er: 2301A30			RcptNo: 1	
Co	eceived By: ompleted By: eviewed By:	Juan Roja Tracy Cas		1/27/20	23 7:25:00 P 23 7:52:51 A		Gu	an En G		
	aain of Cus Is Chain of Co		lete?			Yes 🗌	Ν	10 🗹	Not Present	
2.	How was the	sample deliv	ered?			<u>Courier</u>				
	o <u>g In</u> Was an atterr	npt made to c	cool the samp	es?		Yes 🗹	N	lo 🗌		
4.	Were all samp	oles received	at a tempera	ture of >0° C	to 6.0°C	Yes 🗹	N	io 🗌	NA 🗆	
5.	Sample(s) in _l	proper conta	iner(s)?			Yes 🗹	N	lo 🗌		
6.	Sufficient sam	iple volume f	or indicated te	est(s)?		Yes 🗹	N	o 🗌		
7.	Are samples (except VOA	and ONG) pro	perly preserve	ed?	Yes 🗹	N	•		
8.	Was preserva	tive added to	bottles?			Yes 🗌	N	• 🔽	NA 🗌	
9.	Received at le	ast 1 vial wit	h headspace	<1/4" for AQ V	/OA?	Yes 🗌	N	•	NA 🗹	
10.	Were any san	nple containe	ers received b	roken?		Yes	Ν	lo 🗹	# of preserved	
	Does paperwo (Note discrepa)		Yes 🗹	N	•	bottles checked for pH: (<2 or >12 u	nless noted)
12.	Are matrices o	correctly iden	tified on Chair	n of Custody?		Yes 🗹	N	•	Adjusted?	
13.	Is it clear what	t analyses we	ere requested	?		Yes 🗹	N	•		
	Were all holdin (If no, notify cu	-				Yes 🗹	N	• 🗆	Checked by: M	127123
Spe	ecial Handl	ing (if app	olicable)							
	Was client no	67		vith this order?	>	Yes 🗌	N	lo 🗌	NA 🗹	
	By Who Regardi				Date: Via:	🗌 eMail 🗌] Phone [] Fax	In Person	
16	Additional rer	marks:								
17.	Cooler Infor Cooler No	1	Condition	Seal Intact	Seal No	Seal Date	Signer	d Bv		
	1	0.1	Good	Yes	Yogi	Jour Dalo	Cigite	5.55		
	2	0.5	Good	Yes	Yogi					

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Turn-Around Time:	Standard Rush 5 Dr.1 A	Do	,	Project #: 23002 - 0002		Project Manager: Cros by Por		(L	r: Aus		# of Coolers:	Ĕ	Container Preservative HEAL No. Type and # Type 3301 A 35		402 2 m2	N	4	5						(a) The state of the state o		Received by: Via: Date Time	subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical renort	
Chain-of-Custody Record	Client: NMOCD - Envirotech.		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Standard Level 4 (Full Validation)	Accreditation:	(007			Date Time Matrix Sample Name	1(24/23 10:22 SBI @2'	112418 10:40 5 582@1	1124/28 13:40 5 58701	1/25/28 10:10 5 5812@1	125/28 15:30 S Surface @ Fenceline								Date: Time: Relinquished by: 1-26-23 8:39 Contraction Forch	NOV MARKAN AND I WANNAM AND 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

OrderNo.: 2302212

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 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			ient Sample ID			
Project: Double L Queen		(Collection Date	:2/	1/2023 2:00:00 PM	
Lab ID: 2302212-001	Matrix: AQUEOU	JS	Received Date	: 2/4	4/2023 7:50:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE					Analyst	SB
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	2/8/2023 6:32:56 PM	73073
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	2/8/2023 6:32:56 PM	73073
Surr: DNOP	101	54.5-177	%Rec	1	2/8/2023 6:32:56 PM	73073
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst	CCM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	2/6/2023 3:48:00 PM	GW9442
Surr: BFB	98.2	70-130	%Rec	1	2/6/2023 3:48:00 PM	GW9442
EPA METHOD 8260: VOLATILES SHORT	LIST				Analyst	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
Ethylbenzene	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: 1,2-Dichloroethane-d4	123	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478
Surr: Dibromofluoromethane	125	70-130	%Rec	1	2/8/2023 8:44:00 PM	SL94478
Surr: 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:EnviroteProject:Double	ech L Queen									
Sample ID: MB-73073	SampT	уре: МЕ	BLK	Tes	tCode: EF	A Method	8015M/D: Dies	sel Range		
Client ID: PBW	Batch	n ID: 730	073	F	RunNo: 9 4	473				
Prep Date: 2/8/2023	Analysis D	Date: 2/8	8/2023	S	SeqNo: 34	14131	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 (MRO)	ND	5.0								
Surr: DNOP	0.51		0.5000		101	54.5	177			
Sample ID: LCS-73073	SampT	ype: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	sel Range		
Client ID: LCSW	Batch	n ID: 730	073	F	RunNo: 9 4	473				
Prep Date: 2/8/2023	Analysis E	Date: 2/8	8/2023	S	SeqNo: 34	14140	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:	Envirotech									
Project:	Double L Queen									
Sample ID: 2.5ng	grolcs Sar	npType: LC	S	Tes	tCode: EF	A Method	8015D: Gasoli	ine Range		
Client ID: LCSW	В	atch ID: GV	V94426	F	RunNo: 9 4	426				
Prep Date:	Analys	is Date: 2/	6/2023	S	SeqNo: 3 4	12584	Units: mg/L			
Analyte	Resul	t PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	cs (GRO) 0.59	0.050	0.5000	0	118	70	130			
Surr: BFB	25	5	20.00		124	70	130			
Sample ID: mb	Sar	npType: ME	BLK	Tes	tCode: EF	A Method	8015D: Gasoli	ine Range		
Client ID: PBW	В	atch ID: GV	V94426	F	RunNo: 9 4	426				
Prep Date:	Analys	is Date: 2/	6/2023	S	SeqNo: 3 4	12585	Units: mg/L			
Analyte	Resul	t PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	cs (GRO) NE	0.050								
Surr: BFB	21	1	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

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Client ID: LCSW	Batch	n ID: SL	94478	F	RunNo: 9 4	478				
Prep Date:	Analysis D	ate: 2/3	8/2023	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			
	0.0		10.00		97.9	70	130			
Surr: Toluene-d8	9.8		10.00							
Surr: Toluene-d8		ype: ME		Tes	tCode: EF	A Method	8260: Volatile	s Short Li	st	
	SampT	ype: ME	BLK		tCode: EF RunNo: 94		8260: Volatile	s Short Li	st	
Sample ID: mb	SampT	n ID: SL	BLK 94478	F		478	8260: Volatile Units: μg/L	s Short Li	st	
Sample ID: mb Client ID: PBW	SampT Batch	n ID: SL	BLK 94478 B/2023	F	RunNo: 9 4 SeqNo: 3 4	478		s Short Li %RPD	st RPDLimit	Qual
Sample ID: mb Client ID: PBW Prep Date:	SampT Batch Analysis D	n ID: SL Date: 2/	BLK 94478 B/2023	F	RunNo: 9 4 SeqNo: 3 4	478 14249	Units: µg/L			Qual
Sample ID: mb Client ID: PBW Prep Date: Analyte	SampT Batch Analysis D Result	n ID: SL Date: 2/ PQL	BLK 94478 B/2023	F	RunNo: 9 4 SeqNo: 3 4	478 14249	Units: µg/L			Qual
Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene	SampT Batch Analysis D Result ND	n ID: SL Date: 2/ PQL 1.0	BLK 94478 B/2023	F	RunNo: 9 4 SeqNo: 3 4	478 14249	Units: µg/L			Qual
Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Foluene	SampT Batch Analysis D Result ND ND	n ID: SL pate: 2/ PQL 1.0 1.0	BLK 94478 B/2023	F	RunNo: 9 4 SeqNo: 3 4	478 14249	Units: µg/L			Qual
Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Foluene Ethylbenzene	SampT Batch Analysis D Result ND ND ND	Date: 2/4 PQL 1.0 1.0 1.0	BLK 94478 B/2023	F	RunNo: 9 4 SeqNo: 3 4	478 14249	Units: µg/L			Qual
Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Foluene Ethylbenzene Kylenes, Total	SampT Batch Analysis D Result ND ND ND ND	Date: 2/4 PQL 1.0 1.0 1.0	BLK 94478 8/2023 SPK value	F	RunNo: 9 4 SeqNo: 3 4 %REC	1478 114249 LowLimit	Units: µg/L HighLimit			Qual
Sample ID: mb Client ID: PBW Prep Date: Analyte Benzene Foluene Ethylbenzene Kylenes, Total Surr: 1,2-Dichloroethane-d4	SampT Batch Analysis D Result ND ND ND ND 12	Date: 2/4 PQL 1.0 1.0 1.0	BLK 94478 B/2023 SPK value 10.00	F	RunNo: 94 SeqNo: 34 %REC 117	1478 114249 LowLimit	Units: µg/L HighLimit 130			Qual

TestCode: EPA Method 8260: Volatiles Short List

ANAL	CONMENTAL YSIS RATORY	Hall Environmental Alba TEL: 505-345-3975 Website: www.ha	4901 uquerqi FAX: 5	l Hawkins N ve, NM 8710 505-345-410	⁷ 99 Sam 97	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 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 bottles checked	
	ork match bottle labels? ancies on chain of custody)		Yes		No 🗆	for pH:	>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
	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 🗹	
By Wh Regard	ling:	Date: Via: [_] eMa	ail 📋 Pho	one 🗌 Fax	In Person	
	information incomplete CMC	2/4/23					
17. <u>Cooler Info</u> Cooler No 1	Temp °C Condition	Seal Intact Seal No Seas Morty	Seal D	ate S	igned By		

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

Chain of Custody



Client: NN	NMOCD					Bill To			Sec. Com	7	Lab Use Only	Only				TAT	AT	EP	EPA Program	ram
Project: D	еГО	<u>ueen</u>				Attention:			Lab WO#			Job Number	mber		1D 2D	B	Standard	Ĥ	\vdash	SDWA
Project Manager: Address:		Greg Craptree	aptree			Address: Citv, State, Zip					_∢	nalysis	Analysis and Method	thod	-		×			RCRA
City, State, Zip	<u>.a</u>					Phone:							0						H	×
Phone: Email: 1. Garcia B. Hall G. Crabtree T. Knight Report due bv:	cia B. Hal V:	l G. Crat	otree T.	Knight		Email:			о,080 by		09	ה אלס א&ו 1920 1920	VS8 cəlitile				N N N N N N N	CO UT A	AZ TX	
Time Date Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Die	2	2302 212 Number		S108	BTEX by	8TEX 82	9 sleteM Full TCL		BCI	PCB's			Remarks	arks	
12 00:(1)	211163	Ą	n			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	x date or time of collection is considered fraud and may be grounds for legal action.	Sampled by: Isaac Garcia	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	Semples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.	ay they are s t days.	ampled or	received
Relinquished by: (Signature)	/: (Signature		ă N ,	Date 2/3/23	Time 1323	Received by; (Signature)		2/3/2	<u>لة</u>	Time /32	0	teceive	Received on ice:		Lab Use Only	lse On I	Ŋ			
Relinquished by: (Signature)	/: (Signature	<u> </u>	ŏ	Date Date 2/3/27	Time 1705	Received that Sich at ural	CONT	Date / 23		Time 0750		1 1.8	T1 1.8-0=1.8		0		Ę			
Relinquighed by: (Signature)	/: (Signatur	(a	ŏ	Date	Time	Received by: (Signature)	Ő	Date	Tin	Time	٩	VG Te	AVG Temp °C				Marty			
1 Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	- Soil, Sd - So	ilid, Sg - Slui	dge, A - Ac	queous, O - O)ther			Container Type: glass, p - poly/plastic, ag - amber glass, v - VOA	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	Note: Samples are discarded 30 days after results are reported unless other arrangements are samples is applicable only to those samples received by the laboratory with this COC. The liabil	Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.	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	made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above ity of the laboratory is limited to the amount paid for on the report.	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

CONDITIONS

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Action 207904