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# **Closure Report**

Kemnitz South AFL State #1 Lea County, New Mexico API # 30-025-31636 Incident No. nAPP2224439131

# **Prepared For:**

EOG Resources Inc. 104 S. 4<sup>th</sup> Street Artesia, NM 88210

# **Prepared By:**

Talon/LPE 408 W. Texas Avenue Artesia, New Mexico 88210

# September 26, 2022



Mike Bratcher **NMOCD** 811 S. 1<sup>st</sup> Street Artesia, NM 88210

Subject: Closure Report Kemnitz South AFL State #1 Lea County, New Mexico API # 30-025-31636 Incident No. nAPP2224439131

Dear Mr. Bratcher,

EOG Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

# Site Information

The Kemnitz South AFL State #1 is located approximately forty-seven (47) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter O, Section 31, Township 16 South and Range 34 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.87302 and -103.59812. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Kimbrough gravelly loam with, 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology is in the Ogallala formation, lower Pliocene to Middle Miocene in age, and comprised of very gravelly loam, sandstone and gypsum. Drainage courses in this area are typically well drained.

# **Ground Water and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater that could by referenced by POD is 120 feet below ground surface (bgs). See Appendix II for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not situated within a potential Karst area.

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If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater 120 Feet/bgs □Yes ⊠No Within 300 feet of any continuously flowing watercourse or any other significant watercourse □Yes ⊠No Within 200 feet of any lakebed, sinkhole or a playa lake □Yes ⊠No Within 300 feet from an occupied permanent residence, school, hospital, institution or church □Yes ⊠No Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes □Yes ⊠No Within 1000 feet of any freshwater well or spring □Yes ⊠No Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 □Yes ⊠No Within 300 feet of a wetland □Yes ⊠No Within the area overlying a subsurface mine □Yes ⊠No Within an unstable area □Yes ⊠No Within a 100-year floodplain

Because the release occurred on a location where the well is plugged, location is to be reclaimed, the clean-up criteria for this site per NMAC 19.15.29.13.D is as follows:

Table I Closure Criteria for Soils Impacted by a Release									
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit						
<u>&lt;</u> 50 feet	Total Chlorides	EPA 300.0 or SM4500 CI B	600 mg/kg						
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg						
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg						
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg						

# **Incident Description**

During routine site clean-up activities and decommissioning of the facility, EOG personnel noted historical staining in the containment area, as can be seen in photo documentation (Appendix III). EOG contracted Talon LPE to assess the area of impact. Due to the size of the area and depth of impact around the facility, this was deemed to be a reportable incident, therefore a C-141 spill notification was submitted to the NMOCD. The NMOCD assigned this incident number **nAPP2224439131**. The site map is presented in Appendix I.

# Site Assessment

On August 09, 2022, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Geo XH 6000, photographed and sampled utilizing a hand auger. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories via chain of custody for analysis of Total Chlorides (SM4500CI-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 (Appendix I) and the results of our sampling event are presented on the following data table.

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO DRO mg/kg mg/kg		MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closur Criteria 19.15.29 NMA			50 mg/kg	10 mg/kg	DRO + GRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
<b>S1</b>	8/9/2022	0-1'	1.64	ND	83.8	1810	510	2403.8	48
S2	8/9/2022	0-1'	ND	ND	ND	458	556	1014	144
S3	8/9/2022	0-1'	8.78	ND	1370	17300	4550	23220	64
S4	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	32
S5	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	48
S6	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	32
S7	8/9/2022	0-1'	ND	ND	ND	ND	ND	ND	80

 Table I

 08/16/2022 Soil Sample Laboratory Results

See Appendix IV for the complete report of laboratory results.

On June 13, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence excavating of the impacted area. The areas between S1, S2, and S3 were excavated to depths of 1.5' feet. Field titration data was used to guide the depth and sidewalls. Solid refusal was encountered at this depth due to a caprock shelf. Sidewall samples were retrieved in order to confirm horizontal extent of the impact. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The confirmation results from the laboratory are tabulated below. Sample locations are illustrated on Figure 3 (Appendix I).

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
	Table 1 Closure		50 mg/kg	10 mg/kg	DRO + GRO	+ MRO com mg/kg	bined = 100	100 mg/kg	600 mg/kg
TT 1-2	8/31/2022	1.5'	ND	ND	ND	ND	ND	-	272
S-1A	10/6/2022	2.5 R	ND	ND	29.8	92.3	18.1	140	170
S-1A	10/31/2022	2.5R	ND	ND	30.7	60.1	ND	90.8	160
S-2A	10/6/2022	2.5R	0.00271	ND	29.5	92.6	17	139	199
S-3A	10/6/2022	2.5R	0.00118	ND	19.5	95	19.1	134	163
S-8A	10/6/2022	2.5R	0.00109	0.000452	23	77.9	ND	101	160
S-9A	10/6/2022	2.5R	0.00158	ND	22.4	103	21.2	147	170
S-10A	10/6/2022	2.5R	0.00125	ND	25.9	96	19.9	142	178
S-11A	10/6/2022	2.5R	0.0013	ND	16.4	54.6	ND	71	241
S-12A	10/6/2022	2.5R	0.00241	ND	15	66.2	ND	81.2	132
S-13A	10/6/2022	2.5R	0.00241	ND	15	78.7	15.1	109	141
S-14A	10/6/2022	2.5R	ND	ND	21	54.8	ND	75.8	119
SW-1	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-2	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-3	9/12/2022	2'	ND	ND	ND	ND	ND	ND	48
SW-4	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
		TT = Tes	Trench ND	) = Analyte No	t Detected S	W = Sidewall	Sample		

# Table IIConfirmation Laboratory Results

See Appendix IV for the complete report of laboratory results.

On October 17, 2022, Talon personnel and equipment had completed the excavation and soil rememediation activities at the Kemnitz AFL State #001 to the extent practicable. A rock shelf was encountered at 2.5' feet bgs., therefore MicroBlaze<sup>®</sup> was applied to the areas that remained above the NMAC Table 1 guidelines for TPH.

On October 24, 2022, Talon personnel revisited the site in order to composite sample the bottom of the excavation post the application of MicroBlaze<sup>®</sup>. Composite samples were taken in the areas of S-1A, S-2A, S-3A, S-8A, S-9A, S-10A, and S-13A respectively. All soil samples were properly obtained, preserved, and transported to Cardinal Laboratories for analysis of Total Chlorides, BTEX, and TPH.

On October 31, 2022, Talon personnl revisted the site to collect another sample on the area of S-1A by chipping at the bedrock to collect enough material for a composite sample. The confirmation results from the laboratorie are referenced below.

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
	Table 1 Closure 19.15.29 NMAC	Criteria	50 mg/kg	10 mg/kg	DRO + GRO	+ MRO com mg/kg	bined = 100	100 mg/kg	600 mg/kg
TT 1-2	8/31/2022	1.5'	ND	ND	ND	ND	ND	-	272
	10/6/2022	2.5 R	ND	ND	29.8	92.3	18.1	140	170
S-1A	10/24/2022	2.5'	ND	ND	ND	421	179	600	32
3-1A	10/27/2022	2.50	0.0145	0.0129	44	319	80	443	189
	10/31/2022	2.50	ND	ND	30.7	60.1	ND	90.8	160
S-2A	10/6/2022	2.5R	0.00271	ND	29.5	92.6	17	139	199
5-ZA	10/24/2022	2.5'	ND	ND	ND	ND	ND	-	32
	10/6/2022	2.5R	0.00118	ND	19.5	95	19.1	134	163
S-3A	10/24/2022	2.5'	ND	ND	ND	61	70.7	131.7	32
	10/27/2022	3'	0.00114	0.00114	18.7	33.8	ND	52.5	51.4
C 0 A	10/6/2022	2.5R	0.00109	0.000452	23	77.9	ND	101	160
S-8A	10/24/2022	2.50	ND	ND	ND	ND	ND	-	112
6.04	10/6/2022	2.5R	0.00158	ND	22.4	103	21.2	147	170
S-9A	10/24/2022	2.50	ND	ND	ND	19.2	23.7	42.9	48
S-10A	10/6/2022	2.5R	0.00125	ND	25.9	96	19.9	142	178
S-10A	10/24/2022	2.50	ND	ND	ND	18.7	11.5	30.2	368
C 11A	10/6/2022	2.5R	0.0013	ND	16.4	54.6	ND	71	241
S-11A	10/24/2022	2.5'	ND	ND	ND	33.1	59.5	92.6	32
S-12A	10/6/2022	2.5R	0.00241	ND	15	66.2	ND	81.2	132
S-13A	10/6/2022	2.5R	0.00241	ND	15	78.7	15.1	109	141
S-14A	10/6/2022	2.5R	ND	ND	21	54.8	ND	75.8	119
SW-1	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-2	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64
SW-3	9/12/2022	2'	ND	ND	ND	ND	ND	ND	48
SW-4	9/12/2022	2'	ND	ND	ND	ND	ND	ND	64

Table IIIConfirmation Laboratory Results

TT = Test Trench ND = Analyte Not Detected SW = Sidewall Sample

# **Remedial Actions**

- The sample position areas of S-4 through S-7 indicated no impact from production activity.
- The impacted areas under the former containment was excavated from depths of 2 feet to 2.5 feet where a rock shelf and shale material were encountered causing refusal. Confimration samples were transported to the lab from sample positions S-1A through S-3 A and S-8A through S-14A.
- The impacted area was excavated to 2' to 2.5' feet bgs, and confirmation sampled.
- Background and sidewall samples were obtained in order to confirm horizontal remediation had been accomplished in accordance with NMOCD clean-up criteria.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche, capped with 2" inches of topsoil, and reseeded in accordance with NMSLO guidelines.

# Closure

Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required and that closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S Pons

Rebecca S. Pons

Senior Environmental Project Manager

Chad Hensley

Chad Hensley

**Environmental Project Manager** 

Attachments:

Appendix ISite PlansAppendix IIGroundwater Data, Soil SurveyAppendix IIIPhotographic DocumentationAppendix IVLaboratory DataAppendix VC-141 Forms NMOCDAppendix VISeed Tag



# Appendix II Groundwater Data, & Soil Survey



(A CLW###### in the

L 03527 S2

# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(R=POD has POD suffix indicates the been replaced, POD has been replaced O=orphaned, & no longer serves a (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is water right file.) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet) closed) POD Sub-QQQ Water **POD Number** Y DistanceDepthWellDepthWater Column Code basin County 64 16 4 Sec Tws Rng Х 631676 L 06876 L LE 4 4 2 -06 17S 34E 3637166\* 🦲 1056 191 120 71 L 09169 LE 3639195\* 1313 180 60 120 L 3 1 1 32 16S 34E 631846 L 09831 L LE 4 2 01 17S 33E 630034 3637246\* 1394 200 L 09832 L LE 3 3 06 17S 34E 630449 3636447\* 🧉 1778 200 2 L 03527 L. LE 1 2 36 16S 33E 629907 3639359\* 1781 278 125 153 L 05298 L LE 3 30 16S 34E 630606 3639870\* 🧉 1868 145 94 51 L 05690 L LE 4 4 32 16S 34E 633170 3638112\* 🦲 2020 465 100 365 L 03750 L LE 4 1 01 17S 33E 629228 3637230\* 2101 180150 30 L 03529 S L LE 1 4 30 16S 34E 631030 3640184\* 🧧 2105 260 170 90 1 L 03529 LE 4 3 2 30 34E 631224 3640386\* 🧧 2305 260 140L 16S 120 L 03477 L LE 3 2 30 16S 34E 631024 3640386\* 2307 150 115 35 3 L 03527 S L LE 3 36 16S 33E 628715 3638131\* 2435 250 160 90 1 L 06821 34E L LE 2 1 1 04 17S 633680 3637800\* 2546 180 65 115 L 07638 L LE 2 2 4 07 17S 34E 631710 3635356\* 🧯 2782 206 140 66 630717 L 03476 L LE 2 1 30 16S 34E 3640882\* 🧯 2833 166 115 51 L 03306 L LE 2 2 30 16S 34E 631521 3640897\* 🦲 2839 190 125 65 L 14136 POD1 LE 3 3 2 12 17S 33E 629604 3635569 🧧 2949 245 141 104 L L 03427 29 L LE 1 1 16S 34E 631822 3641003\* 2997 170 118 52 L 03397 L LE 2 2 25 16S 33E 629987 3640869\* 🦲 3019 160 124 36 L 10289 LE 2 2 25 33E 3019 200 L 16S 629987 3640869\* 🧉 L 01880 S3 L LE 1 4 1 12 17S 33E 629148 3635720\* 🧉 3095 268 155 113 L 12701 POD1 L 630011 3640983 🦲 3117 235 L 03529 S2 LE 19 16S 34E 3641198\* 🧧 2.62 116 146 L 4 4 4 631614 3150 L 03782 L LE 4 4 4 02 17S 33E 628532 3636311\* 3160 183 151 32 L 10212 L LE 4 02 17S 33E 628433 3636412\* 🦲 3188 273 168 105 4 L 14592 POD1 120 LE 4 17S33E 300 180 L 3 1 12 629053 3635531 🦲 3301 L 06172 3 08 17S 34E 632019 3634860\* 🧉 3337 202 140 62 L LE 3 L 03909 L LE 3 1 25 16S 33E 628785 3640445\* 3342 180 120 60 L 03574 L LE 2 1 25 16S 33E 629182 3640855\* 🧧 3400 160 115 45 L 04049 3 2.8 34E 633537 3640532\* 🧉 3420 160 118 42 L LE 1 16S L 03490 L LE 4 3 20 16S 34E 632319 3641314\* 🦲 3437 167 110 57 L 04935 L LE 2 1 02 17S 33E 627614 3637606\* 🧧 3567 204 162 42

16S

33E

627508

3637911\* 🧧

275

3645

3 4 3 35

LE

L

137

138

<u>L 14337 POD1</u>	L	LE	3	34	35	16S	33E	627983	3636226 🌍	3670	237	156	81
<u>L 14139 POD1</u>	L	LE	3	1 2	18	17S	34E	631180	3634389 🌍	3693	230	138	92
<u>L 03571</u>	L	LE		2 3	20	16S	34E	632314	3641716* 🌍	3816	150	110	40
<u>L 03527 S3</u>	L	LE	2	3 3	35	16S	33E	627305	3638104* 🌍	3844	240	155	85
<u>L 03722</u>	L	LE	3	3 3	21	16S	34E	633424	3641235* 🌍	3887	150	100	50
<u>L 03712</u>	L	LE		2 2	26	16S	33E	628377	3640841* 🌍	3911	170	135	35
<u>L 03751</u>	L	LE		2 2	26	16S	33E	628377	3640841* 🌍	3911	175		
<u>L 06160</u>	L	LE	3	3 3	34	16S	34E	635079	3638046* 🌍	3929	170	120	50
<u>L 03789</u>	L	LE			26	16S	33E	627788	3640216* 😜	3981	223	145	78
<u>L 01880 S</u>	R L	LE	4	33	12	17S	33E	628955	3634708* 🌍	4024	259	115	144
L 01880 POD7	L	LE	4	33	12	17S	33E	629029	3634644 🌍	4039	280		
<u>L 06222</u>	L	LE		2 3	26	16S	33E	627582	3640022* 🌍	4060	205	154	51
<u>L 11044</u>	L	LE		4 2	18	17S	34E	631629	3634049* 🌍	4061	150		
<u>L 03544</u>	L	LE			20	16S	34E	632521	3641909* 🌍	4065	152	100	52
<u>L 09978</u>	L	LE	1	3 1	18	17S	34E	630476	3634015 🌍	4121	198	160	38
<u>L 04768</u>	L	LE		2 2	17	17S	34E	633233	3634478* 🌍	4162	190	90	100
<u>L 14591 POD1</u>	L	LE	1	1 1	13	13S	33E	629046	3634474 🌍	4175	300	180	120
<u>L 04333</u>	L	LE		1 1	13	17S	33E	628862	3634407* 🌍	4328	217	165	52
<u>L 03377</u>	L	LE		3 2	20	16S	34E	632710	3642125* 🌍	4333	200	125	75
<u>L 03576</u>	L	LE		24	34	16S	33E	626799	3638401* 🌍	4362	212	160	52
<u>L 07696</u>	L	LE	3	3 2	17	17S	34E	632735	3633968* 🌍	4408	200	160	40
<u>L 06072</u>	L	LE		3 4	23	16S	33E	627969	3641236* 🌍	4479	163	80	83
<u>L 06157</u>	L	LE	4	34	34	16S	34E	635725	3638159 🌍	4576	165	105	60
<u>L 05515</u>	L	LE		3 1	27	16S	34E	635146	3640560* 🌍	4702	117	97	20
<u>L 14593 POD1</u>	L	LE	4	14	13	17S	33E	629797	3633487 🌍	4789	300	120	180
<u>L_01880 POD10</u>	L	LE	1	4 3	13	17S	33E	629797	3633482 🌍	4794	280		
<u>L 01880 S2</u>	L	LE	2	1 3	13	17S	33E	628972	3633702* 🌍	4891	235	151	84
<u>L 06894</u>	L	LE	1	4 1	10	17S	34E	635524	3635825* 🌍	4922	175	103	72
<u>L 03144</u>	L	LE		44	13	16S	33E	629961	3642880* 🔵	4943	202	130	72
<u>L 10742</u>	L	LE		4 3	17	16S	34E	632296	3642922* 🌍	4974	210	105	105
<u>L 04226</u>	L	LE	4	4 4	18	17S	34E	631741	3633143* 🌍	4974	166		
<u>L 05297</u>	L	LE		1	27	16S	34E	635347	3640761* 🌍	4979	145	94	51
									Average	Depth to Wat	er:	128 fee	t
										Minimum De	-	60 fee	
									Ν	Aaximum De	pth:	180 fee	t
Record Count: 65													
UTMNAD83 Radius Se													
<b>Easting (X):</b> 63114	9.59	Nort	hing (	Y):	3638	3081.9			Radius: 5000				
*UTM location was derived fro The data is furnished by the NM		-	the reci	nient	with	the ever	ressed um	derstanding #	hat the OSE/ISC make	no warranties	expressed or in	unlied concer	ning the
accuracy, completeness, reliability								derstanding ti	hat the USE/ISC make	no warranties,	, expressed or in	ipneu, concerr	ing the



# New Mexico Office of the State Engineer **Point of Diversion Summary**

			(quarter	rs are 1=N	W 2=1	NE 3=S	W 4=SE)			
			(quarte	ers are sm	allest t	o larges	t)	(NAD83 U		
Well Tag	POD	Number	Q64 (	Q16 Q4	Sec	Tws	Rng	Χ	Y	
	L 06	5876	4	4 2	06	17S	34E	631676	3637166* 🍯	)
x Driller Lic	ense:	46	Driller	Compa	ny:	AB	ВОТТ В	BROTHERS	S COMPANY	
Driller Naı	me:									
Drill Start	Date:	11/22/1971	Drill Fi	nish Da	te:	1	1/23/197	'1 <b>PI</b>	ug Date:	
Log File Da	ate:	11/30/1971	PCW R	cv Date	e:			So	ource:	Shallow
Pump Type	e:		Pipe Di	scharge	e Size	:		Es	stimated Yield:	:
Casing Size	e:	7.00	Depth V	Well:		19	91 feet	D	epth Water:	120 feet
x	Wate	r Bearing Stratif	fications:	Т	op B	Bottom	Descr	iption		
				13	30	191	Sands	tone/Grave	l/Conglomerate	
X		Casing Per	forations:	Т	op B	Bottom	l			
				1′	20	190				

### \*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/5/22 2:54 PM

POINT OF DIVERSION SUMMARY

Received by OCD: 11/30/2022 3:23:40 PM



Released to Imaging: 1/4/2023 2:35:09 PM

# Lea County, New Mexico

# KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

# **Map Unit Setting**

National map unit symbol: 2tw43 Elevation: 2,500 to 4,800 feet Mean annual precipitation: 14 to 16 inches Mean annual air temperature: 57 to 63 degrees F Frost-free period: 180 to 220 days Farmland classification: Not prime farmland

# **Map Unit Composition**

*Kimbrough, dry, and similar soils:* 80 percent *Minor components:* 20 percent *Estimates are based on observations, descriptions, and transects of the mapunit.* 

# **Description of Kimbrough, Dry**

# Setting

Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Concave, linear Parent material: Loamy eolian deposits derived from sedimentary rock

# **Typical profile**

A - 0 to 3 inches: gravelly loam Bw - 3 to 10 inches: loam Bkkm1 - 10 to 16 inches: cemented material Bkkm2 - 16 to 80 inches: cemented material

# **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

# Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R077DY049TX - Very Shallow 12-17" PZ Hydric soil rating: No

### **Minor Components**

### Eunice

Percent of map unit: 10 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Convex Ecological site: R077DY049TX - Very Shallow 12-17" PZ Hydric soil rating: No

### Spraberry

Percent of map unit: 6 percent Landform: Playa rims, plains Down-slope shape: Convex, linear Across-slope shape: Linear Ecological site: R077DY049TX - Very Shallow 12-17" PZ Hydric soil rating: No

### Kenhill

Percent of map unit: 4 percent Landform: Plains Down-slope shape: Linear Across-slope shape: Linear Ecological site: R077DY038TX - Clay Loam 12-17" PZ Hydric soil rating: No

# SS—Stegall and slaughter soils

## Map Unit Setting

National map unit symbol: dmr4 Elevation: 3,600 to 4,400 feet Mean annual precipitation: 12 to 16 inches Mean annual air temperature: 58 to 60 degrees F Frost-free period: 190 to 205 days Farmland classification: Farmland of statewide importance

## **Map Unit Composition**

Stegall and similar soils: 40 percent Slaughter and similar soils: 35 percent Minor components: 25 percent Estimates are based on observations, descriptions, and transects of the mapunit.

### **Description of Stegall**

### Setting

Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Parent material: Alluvium derived from sedimentary rock

# Custom Soil Resource Report

# **Typical profile**

A - 0 to 9 inches: loam Bt - 9 to 28 inches: clay loam Bkm - 28 to 38 inches: cemented material BCk - 38 to 60 inches: variable

# **Properties and qualities**

Slope: 0 to 1 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 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: 90 percent
Gypsum, maximum content: 1 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: Low (about 4.8 inches)

# Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 4e Hydrologic Soil Group: C Ecological site: R077CY028TX - Limy Upland 16-21" PZ Hydric soil rating: No

# **Description of Slaughter**

## Setting

Landform: Plains Landform position (three-dimensional): Talf Down-slope shape: Linear Across-slope shape: Linear Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

# **Typical profile**

A - 0 to 2 inches: loam Bt - 2 to 15 inches: clay Bkm - 15 to 25 inches: cemented material BCk - 25 to 60 inches: variable

## **Properties and qualities**

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches; More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 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: 90 percent



# Appendix I

Site Maps





EOG Resources Kemnitz South AFL State #001 Lea County, NM Figure 1 - Site Assessment Map





Drafted: 10/24/2022 1 in = 2,000 ft Drafted By: JAI EOG Resources Kemnitz South AFL State #001 Lea County, NM Figure 2 - Vicinity Map







Drafted: 10/24/2022 1 in = 2,000 ft Drafted By: JAI EOG Resources Kemnitz South AFL State #001 Lea County, NM Figure 4 - Karst Map Received by OCD: 11/30/2022 3:23:40 PM EOG Resources

Kemnitz South AFL State #001 Lea County, NM Confirmation Sample Map

Kemnitz South AFL State 1

1.1.1



# Legend





Kemnitz South AFL State 1 Sample Position



# Page 23 of 146

# Appendix III

Photographic Documentation





Photograph No.1 Description:

Site marker on pad.





Filotograph No.3 Description.

Area of excavation, view to the south.





Closure Report EOG Resources, Kemnitz South AFL State 1



Photograph No.5 Description:

Micro-Blaze application North End



Photograph No.6 Description:

Micro-Blaze application South End



# Appendix IV

Laboratory Data



September 07, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/01/22 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/01/2022	Sampling Date:	08/31/2022
Reported:	09/07/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: TT 1-2 1'6" (H224025-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/03/2022	ND	2.07	103	2.00	10.8	
Toluene*	<0.050	0.050	09/03/2022	ND	2.05	102	2.00	9.39	
Ethylbenzene*	<0.050	0.050	09/03/2022	ND	2.00	100	2.00	11.3	
Total Xylenes*	<0.150	0.150	09/03/2022	ND	6.23	104	6.00	9.83	
Total BTEX	<0.300	0.300	09/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/02/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	09/02/2022	ND	192	96.2	200	1.21	
DRO >C10-C28*	<10.0	10.0	09/02/2022	ND	188	93.8	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	09/02/2022	ND					
Surrogate: 1-Chlorooctane	87.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.5	% 46.3-17	8						

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### \*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Received by OCD: 11/30/2022 3:23:40 PM

#### Company Name: Talon LPE city: Artesia Project Manager: Project #: 100438.300.0) Phone #: 575.746.8768 Address: 408 W. Sampler Name: Project Location: J.eA Project Name: Key AC S.Af HZJ-HZ FOR LAB USE ONLY Relinquished By: Relinquished By: ervice. In no event shall Cardinal be liable for incide affiliates or successors anying out of or related to the nalyses. All claims including those for Lab I.D Sampler - UPS - Bus - Other: LEASE NOTE: Liability and Delivered By: (Circle One) + Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Churt Texas Ave ges. Cardinal's liability and CI F negligence and any Sample I.D. to the 0.9 % 1.6" client's exclusive remedy for any claim Fax #: Project Owner: Time State: 0 Q1 Date: Time: ىن 'sa ages, including without limitation, business interr NM 8 00 nedy for any claim arising whether based in contract or fort, shae be initiated to the announ shall be deemed waived unless made in writing and received by Cardinal within 30 days 2 ider by Ca zip: 88210 # 0 (G)RAB OR (C)OMP. C Received By: Received By: 60 # CONTAINERS CU GROUNDWATER Cool Intact Ves Ves No No No WASTEWATER Sample Condition MATRIX SOIL OIL SLUDGE tions, loss of use, or loss of profits incurred by client, its subsidiaries, P.O. #: State: City: Attn: Company: Phone #: OTHER Fax #: Address: or lort, shall be limited to the amount ACID/BASE: PRESERV ICE / COOL CHECKED BY: BILL TO OTHER : (Initials) of the above state 9 Zip: 831 DATE SAMPLING after paid by the client for the 4:50 Phone Result: REMARKS: TIME on of the ap CL licable TPH Yes BTuy I No ANALYSIS Add'l Phone #: Add'l Fax #: REQUEST

Released to Imaging: 1/4/2023 2:35:09 PM

# Page 4 of 4

**CARDINAL** Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST





August 16, 2022

REBECCA PONS TALON LPE 408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 11:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 1 0-1' R (H223607-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	GC-NC
Ethylbenzene*	0.246	0.050	08/12/2022	ND	2.21	111	2.00	3.23	GC-NC
Total Xylenes*	1.40	0.150	08/12/2022	ND	6.83	114	6.00	4.13	GC-NC
Total BTEX	1.64	0.300	08/12/2022	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	202	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	48.0	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	83.8	50.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	1810	50.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	510	50.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	109	% 43-149	)						
Surrogate: 1-Chlorooctadecane	130	% 42.5-16	1						

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\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 2 0-1' R (H223607-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEX	<0.300	0.300	08/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	206	103	200	4.39	
DRO >C10-C28*	458	10.0	08/12/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	556	10.0	08/12/2022	ND					
Surrogate: 1-Chlorooctane	89.1	% 43-149	)						
Surrogate: 1-Chlorooctadecane	118 9	% 42.5-16	1						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 3 0-1' R (H223607-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.200	0.200	08/12/2022	ND	2.17	109	2.00	3.34	GC-NC
Ethylbenzene*	1.17	0.200	08/12/2022	ND	2.21	111	2.00	3.23	GC-NC1
Total Xylenes*	7.61	0.600	08/12/2022	ND	6.83	114	6.00	4.13	GC-NC1
Total BTEX	8.78	1.20	08/12/2022	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	208 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1370	100	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	17300	100	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	4550	100	08/11/2022	ND					
Surrogate: 1-Chlorooctane	580 9	% 43-149	)						
Surrogate: 1-Chlorooctadecane	626 9	42.5-16	1						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 4 0 (H223607-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEX	<0.300	0.300	08/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	89.8	% 43-149							
Surrogate: 1-Chlorooctadecane	92.5	% 42.5-16	1						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 5 0 (H223607-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	0.109	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEX	<0.300	0.300	08/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	80.3	% 43-149	1						
Surrogate: 1-Chlorooctadecane	84.1	% 42.5-16	1						

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### \*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


#### Analytical Results For:

TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

#### Sample ID: S - 6 0 (H223607-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEX	<0.300	0.300	08/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 43-149	1						
Surrogate: 1-Chlorooctadecane	87.4	% 42.5-16	1						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	08/10/2022	Sampling Date:	08/09/2022
Reported:	08/16/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

#### Sample ID: S - 7 0 (H223607-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.08	104	2.00	3.26	
Toluene*	<0.050	0.050	08/12/2022	ND	2.17	109	2.00	3.34	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.21	111	2.00	3.23	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.83	114	6.00	4.13	
Total BTEX	<0.300	0.300	08/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/12/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	206	103	200	4.39	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	217	109	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					
Surrogate: 1-Chlorooctane	87.2	% 43-149							
Surrogate: 1-Chlorooctadecane	91.4	% 42.5-16	1						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

### Received by OCD: 11/30/2022 3:23:40 PM



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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Received by OCD: 11/30/2022 3:23:40 PM

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# **Environment Testing**

# **ANALYTICAL REPORT**

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

### Laboratory Job ID: 890-3303-1

Laboratory Sample Delivery Group: 700438-300.01 Client Project/Site: EOG Kimnets

### For:

Talon/LPE 408 W. Texas St. Artesia, New Mexico 88210

Attn: Chad Hensley

VRAMER

Authorized for release by: 10/31/2022 4:43:02 PM

Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Laboratory Job ID: 890-3303-1 SDG: 700438-300.01

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2

### Inh ID: 800-3303-1 S

	lifiers
Quo	

J	υD	ID.	090	-33	03-	I
SD	G:	700	)438	8-30	0.01	١

GC VOA Qualifier	Qualifier Description	Λ
B	Compound was found in the blank and sample.	_
	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
S1-	Surrogate recovery exceeds control limits, low biased.	5
U	Indicates the analyte was analyzed for but not detected.	6
GC Semi VC	Α	•
Qualifier	Qualifier Description	7
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
В	Compound was found in the blank and sample.	8
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0
S1+	Surrogate recovery exceeds control limits, high biased.	0
U	Indicates the analyte was analyzed for but not detected.	3
HPLC/IC		10
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	11
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	<b>—</b> 12
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	4.0
%R	Percent Recovery	13
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	14
	Contains No Free Ligwid	

CFU	Colony Forming Unit
<u></u>	

Contains No Free Liquid CNF DER

Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor** DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) LOQ

Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry) MDA

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

```
ML
                 Minimum Level (Dioxin)
```

Most Probable Number MPN

MQL Method Quantitation Limit NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent

POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive

QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

### Job ID: 890-3303-1

### Laboratory: Eurofins Carlsbad

#### Narrative

Job Narrative 890-3303-1

#### Receipt

The samples were received on 10/27/2022 3:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 24.4°C

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1A (890-3303-1) and S-3A (890-3303-2).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-38261 and analytical batch 880-38217 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

4

Job ID: 890-3303-1 SDG: 700438-300.01

### **Client Sample ID: S-1A** Date Collected: 10/27/22 13:10 Date Received: 10/27/22 15:05

### Lab Sample ID: 890-3303-1

Matrix: Solid

5

Sample Depth: 3

Project/Site: EOG Kimnets

Client: Talon/LPE

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3enzene	0.0129		0.00202	0.000388	mg/Kg		10/31/22 09:15	10/31/22 14:28	
<b>Foluene</b>	0.00155	J	0.00202	0.000460	0 0		10/31/22 09:15	10/31/22 14:28	
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		10/31/22 09:15	10/31/22 14:28	
n-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		10/31/22 09:15	10/31/22 14:28	
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		10/31/22 09:15	10/31/22 14:28	
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		10/31/22 09:15	10/31/22 14:28	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130				10/31/22 09:15	10/31/22 14:28	
1,4-Difluorobenzene (Surr)	113		70 - 130				10/31/22 09:15	10/31/22 14:28	
Method: TAL SOP Total BTE	X - Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0145		0.00403	0.00102	mg/Kg			10/31/22 15:09	
Method: SW846 8015 NM - D			DRO) (GC)						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	443		49.8	14.9	mg/Kg			10/31/22 15:00	
Method: SW846 8015B NM -	Diesel Range	Organics	(DRO) (GC)	)					
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	44.0	ЈВ	49.8	14.9	mg/Kg		10/31/22 10:25	10/31/22 13:29	
Diesel Range Organics (Over C10-C28)	319	B *+	49.8	14.9	mg/Kg		10/31/22 10:25	10/31/22 13:29	
Oll Range Organics (Over C28-C36)	80.0	В	49.8	14.9	mg/Kg		10/31/22 10:25	10/31/22 13:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	84		70 - 130				10/31/22 10:25	10/31/22 13:29	
p-Terphenyl	91		70 - 130				10/31/22 10:25	10/31/22 13:29	
Method: MCAWW 300.0 - Ani									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fa
Chloride	189		4.95	0.391	mg/Kg			10/31/22 13:09	
lient Sample ID: S-3A							Lab Samp	le ID: 890-3	303-2
ate Collected: 10/27/22 13:21	1							Matrix	c: Soli
ate Received: 10/27/22 15:05 ample Depth: 3	5								
Method: SW846 8021B - Vola	atile Organic (	Compound	ds (GC)						
Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.00114		0.00200	0.000384			10/31/22 09:15	10/31/22 11:22	Dirta
Toluene	< 0.000455		0.00200	0.000455			10/31/22 09:15	10/31/22 11:22	
Ethylbenzene	< 0.000564		0.00200	0.000400	0 0		10/31/22 09:15		
	~0.000004	0	0.00200	0.000004	ing/itu				

10/31/22 09:15 10/31/22 11:22

10/31/22 09:15 10/31/22 11:22

10/31/22 09:15 10/31/22 11:22

m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

0.00399

0.00200

0.00399

0.00101 mg/Kg

0.000343 mg/Kg

0.00101 mg/Kg

<0.00101 U

<0.000343 U

<0.00101 U

1

1

Job ID: 890-3303-1 SDG: 700438-300.01

Matrix: Solid

Lab Sample ID: 890-3303-2

### **Client Sample ID: S-3A** Date Collected: 10/27/22 13:21 Date Received: 10/27/22 15:05 Sample Depth: 3

Project/Site: EOG Kimnets

Client: Talon/LPE

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	50		70 - 130				10/31/22 09:15	10/31/22 11:22	1
1,4-Difluorobenzene (Surr)	72		70 - 130				10/31/22 09:15	10/31/22 11:22	1
	- Total BTE	X Calculat	tion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00114	J	0.00399	0.00101	mg/Kg			10/31/22 15:09	1
	esel Range (	Organics (	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.5		49.9	15.0	mg/Kg			10/31/22 15:00	1
Mathadi SW946 9045B NM D	liccol Dong	Organia							
Method: SW846 8015B NM - D		a Organics							
	Decult	Qualifian	ы	MDI	11	<b>D</b>	Dranarad	A maily maid	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10	Result 18.7				Unit mg/Kg	D	Prepared 10/31/22 10:25	Analyzed 10/31/22 13:50	Dil Fac 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	18.7			15.0		<u>D</u>	10/31/22 10:25		Dil Fac 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	18.7 33.8	J B J B *+	49.9 49.9	15.0	mg/Kg	<u>D</u>	10/31/22 10:25 10/31/22 10:25	10/31/22 13:50 10/31/22 13:50	Dil Fac 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	18.7	J B J B *+	49.9	15.0	mg/Kg	<u>D</u>	10/31/22 10:25 10/31/22 10:25	10/31/22 13:50	Dil Fac 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	18.7 33.8	J B *+ U	49.9 49.9	15.0	mg/Kg	<u> </u>	10/31/22 10:25 10/31/22 10:25	10/31/22 13:50 10/31/22 13:50	Dil Fac 1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	18.7 33.8 <15.0	J B *+ U	49.9 49.9 49.9	15.0	mg/Kg	<u>D</u>	10/31/22       10:25         10/31/22       10:25         10/31/22       10:25	10/31/22       13:50         10/31/22       13:50         10/31/22       13:50	1 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	18.7 33.8 <15.0 %Recovery	J B *+ U	49.9 49.9 49.9 <b>Limits</b>	15.0	mg/Kg	<u> </u>	10/31/22 10:25 10/31/22 10:25 10/31/22 10:25 <b>Prepared</b> 10/31/22 10:25	10/31/22 13:50 10/31/22 13:50 10/31/22 13:50 <b>Analyzed</b>	1 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	18.7 33.8 <15.0 %Recovery 97 108	J B J B *+ U Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg	<u> </u>	10/31/22 10:25 10/31/22 10:25 10/31/22 10:25 <b>Prepared</b> 10/31/22 10:25	10/31/22 13:50         10/31/22 13:50         10/31/22 13:50 <b>Analyzed</b> 10/31/22 13:50	1 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	18.7 33.8 <15.0 %Recovery 97 108 ons, Ion Chr	J B J B *+ U Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130	15.0 15.0 15.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	10/31/22 10:25 10/31/22 10:25 10/31/22 10:25 <b>Prepared</b> 10/31/22 10:25	10/31/22 13:50         10/31/22 13:50         10/31/22 13:50 <b>Analyzed</b> 10/31/22 13:50	1 1 1

### **Surrogate Summary**

Client: Talon/LPE Project/Site: EOG Kimnets

### Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

			Perc	ent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
390-3303-1	S-1A	103	113		1
390-3303-2	S-3A	50 S1-	72		
890-3303-2 MS	S-3A	105	102		
890-3303-2 MSD	S-3A	95	95		
_CS 880-38223/1-A	Lab Control Sample	97	97		
LCSD 880-38223/2-A	Lab Control Sample Dup	95	98		
MB 880-38223/5-A	Method Blank	99	91		

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

			Pe	rcent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		13
890-3303-1	S-1A	84	91		
890-3303-2	S-3A	97	108		
LCS 880-38261/2-A	Lab Control Sample	131 S1+	146 S1+		
LCSD 880-38261/3-A	Lab Control Sample Dup	133 S1+	148 S1+		
MB 880-38261/1-A	Method Blank	87	99		

#### Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-3303-1 SDG: 700438-300.01

Page 47 of 146

Prep Type: Total/NA

### **QC Sample Results**

Client: Talon/LPE Project/Site: EOG Kimnets

### Method: 8021B - Volatile Organic Compounds (GC)

### Lab Sample ID: MB 880-38223/5-A **Matrix: Solid** Analysis Batch: 38211

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/31/22 09:15	10/31/22 11:00	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/31/22 09:15	10/31/22 11:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/31/22 09:15	10/31/22 11:00	1

#### Lab Sample ID: LCS 880-38223/1-A Matrix: Solid Analysis Batch: 38211

Analysis Batch: 38211							Prep B	atch: 38223
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08506		mg/Kg		85	70 - 130	
Toluene	0.100	0.09233		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09305		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1814		mg/Kg		91	70 - 130	
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

#### Lab Sample ID: LCSD 880-38223/2-A Matrix: Solid

### Analysis Batch: 38211

Analysis Batch: 38211							Prep E	-	
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09133		mg/Kg		91	70 - 130	7	35
Toluene	0.100	0.09725		mg/Kg		97	70 - 130	5	35
Ethylbenzene	0.100	0.09938		mg/Kg		99	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1886		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.1064		mg/Kg		106	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

### Lab Sample ID: 890-3303-2 MS **Matrix: Solid**

Analy	/SIS	<b>Batch:</b>	38211

Analysis Batch: 38211									Prep Ba	atch: 38223
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.00114	JB	0.0990	0.08354		mg/Kg	. —	83	70 - 130	
Toluene	<0.000455	U	0.0990	0.08996		mg/Kg		91	70 - 130	

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**Client Sample ID: S-3A** 

**Prep Type: Total/NA** 

5

7

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample Dup** 

Job ID: 890-3303-1

SDG: 700438-300.01

Prep Type: Total/NA

**Prep Type: Total/NA** 

**Prep Type: Total/NA** 

Prep Batch: 38223

ch: 38211				
	Sample	Sample	Spike	
	Result	Qualifier	Added	
	0.00114	JB	0.0990	

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Lab Sample ID: 890-3303-2 MS

### QC Sample Results

Spike

Added

0.0990

0.198

0.0990

Limits

70 - 130

70 - 130

MS MS

0.09006

0.1808

0.1013

**Result Qualifier** 

Unit

mg/Kg

mg/Kg

mg/Kg

D %Rec

91

91

102

Client: Talon/LPE Project/Site: EOG Kimnets

Analysis Batch: 38211

4-Bromofluorobenzene (Surr)

Analysis Batch: 38211

Lab Sample ID: 890-3303-2 MSD

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Matrix: Solid

Ethylbenzene

m-Xylene & p-Xylene

### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Sample Sample

MS MS

%Recovery Qualifier

105

102

<0.000564 U

<0.00101 U

<0.000343 U

**Result Qualifier** 

**Client Sample ID: S-3A** 

%Rec

Limits

70 - 130

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 38223

Sample ID: S-3A	
p Type: Total/NA	
rep Batch: 38223	
ec RPD	

Client Sample I	D: S-3A
Prep Type: T	otal/NA
Prep Batch	: 38223
%Rec	RPD

**Client Sample ID: Method Blank** 

Analyzed

Prep Type: Total/NA

10/31/22 10:25 10/31/22 09:53

10/31/22 10:25 10/31/22 09:53

**Client Sample ID: Lab Control Sample** 

Dil Fac

1

1

Prepared

Prep Type: Total/NA

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.00114	JB	0.100	0.07830		mg/Kg		77	70 - 130	6	35
Toluene	<0.000455	U	0.100	0.08671		mg/Kg		87	70 - 130	4	35
Ethylbenzene	<0.000564	U	0.100	0.07853		mg/Kg		78	70 - 130	14	35
m-Xylene & p-Xylene	<0.00101	U	0.200	0.1517		mg/Kg		76	70 - 130	18	35
o-Xylene	<0.000343	U	0.100	0.08529		mg/Kg		85	70 - 130	17	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

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

#### Lab Sample ID: MB 880-38261/1-A Matrix: Solid Analysis Batch: 38217

Analysis Batch: 38217								Prep Batch:	38261
-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.88	J	50.0	15.0	mg/Kg		10/31/22 10:25	10/31/22 09:53	1
Diesel Range Organics (Over C10-C28)	19.76	J	50.0	15.0	mg/Kg		10/31/22 10:25	10/31/22 09:53	1
Oll Range Organics (Over C28-C36)	15.72	J	50.0	15.0	mg/Kg		10/31/22 10:25	10/31/22 09:53	1
	MB	MB							

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	87	70 - 130
o-Terphenyl	99	70 - 130

#### Lab Sample ID: LCS 880-38261/2-A Matrix: Solid Analysia Potoby 20217

Analysis Batch: 38217							Prep B	atch: 38261
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	903.3		mg/Kg		90	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1384	*+	mg/Kg		138	70 - 130	
C10-C28)								

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### **QC Sample Results**

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

SDG: 700438-300.01 2 3 Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 38261 7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 38261 9 r Unit D %Rec RPD mg/Kg 144 70-130 4 20 11 12

### Lab Sample ID: LCS 880-38261/2-A Matrix: Solid Analysis Batch: 38217

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	146	S1+	70 - 130

### Lab Sample ID: LCSD 880-38261/3-A Matrix: Solid

Analysis Batch: 38217									Prep E	Batch: 3	38261
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	944.8		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	1439	*+	mg/Kg		144	70 - 130	4	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	133	S1+	70 - 130								
o-Terphenyl	148	S1+	70 - 130								

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38248/1-A Matrix: Solid									С	lie	nt Sam	ple ID: M Prep Ty		
Analysis Batch: 38295														
	MB	MB												
Analyte	Result	Qualifier		RL		MDL	Unit		<u>D</u>	Pr	repared	Analyz	ed	Dil Fac
Chloride	<0.395	U		5.00	0	.395	mg/Kg	9				10/31/22	12:54	1
Lab Sample ID: LCS 880-38248/2-A								Clie	ent S	an	nple ID	: Lab Cor	trol S	ample
Matrix: Solid												Prep Ty	/pe: S	oluble
Analysis Batch: 38295														
-			Spike		LCS	LCS	;					%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Chloride			250		256.6			mg/Kg			103	90 - 110		
Lab Sample ID: LCSD 880-38248/3-	A						С	lient S	amp	le	ID: Lab		Sampl	e Dup
Matrix: Solid												Prep Ty	/pe: S	oluble
Analysis Batch: 38295														
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
			250		252.1			mg/Kg		_	101	90 - 110	2	20
Chloride			200		232.1			ing/ng						20
			250		232.1			mgrig			с	lient Sam	ple ID:	
Chloride — Lab Sample ID: 890-3303-1 MS Matrix: Solid			200		232.1						С	lient Sam Prep Ty	-	: S-1A
Lab Sample ID: 890-3303-1 MS Matrix: Solid			230		232.1			ing/itg			С	lient Sam Prep Ty	-	: S-1A
Lab Sample ID: 890-3303-1 MS Matrix: Solid Analysis Batch: 38295	ole Sar	nple	Spike			MS		g,rtg			С		-	: S-1A
Lab Sample ID: 890-3303-1 MS Matrix: Solid Analysis Batch: 38295 Sam	ole Sar ult Qua	•					lifier	Unit		D	C %Rec	Prep Ty	-	: S-1A

Client: Talon/LPE

Project/Site: EOG Kimnets

### Job ID: 890-3303-1 SDG: 700438-300.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-3303- Matrix: Solid	1 MSD							C	lient Sam Prep Ty			
Analysis Batch: 38295												
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	E
Chloride	189		248	431.4		mg/Kg		98	90 - 110	0	20	

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### **QC** Association Summary

Client: Talon/LPE Project/Site: EOG Kimnets

### GC VOA

### Analysis Batch: 38211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8021B	38223
890-3303-2	S-3A	Total/NA	Solid	8021B	38223
MB 880-38223/5-A	Method Blank	Total/NA	Solid	8021B	38223
LCS 880-38223/1-A	Lab Control Sample	Total/NA	Solid	8021B	38223
LCSD 880-38223/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38223
890-3303-2 MS	S-3A	Total/NA	Solid	8021B	38223
890-3303-2 MSD	S-3A	Total/NA	Solid	8021B	38223

### Prep Batch: 38223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-3303-1	S-1A	Total/NA	Solid	5035		
890-3303-2	S-3A	Total/NA	Solid	5035		
MB 880-38223/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-38223/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-38223/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
890-3303-2 MS	S-3A	Total/NA	Solid	5035		
890-3303-2 MSD	S-3A	Total/NA	Solid	5035		

### Analysis Batch: 38304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	Total BTEX	
890-3303-2	S-3A	Total/NA	Solid	Total BTEX	

### GC Semi VOA

### Analysis Batch: 38217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8015B NM	38261
890-3303-2	S-3A	Total/NA	Solid	8015B NM	38261
MB 880-38261/1-A	Method Blank	Total/NA	Solid	8015B NM	38261
LCS 880-38261/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38261
LCSD 880-38261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38261

### Prep Batch: 38261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8015NM Prep	
890-3303-2	S-3A	Total/NA	Solid	8015NM Prep	
MB 880-38261/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38261/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38261/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

### Analysis Batch: 38303

Lab Sample ID	Client Sample ID	Prep Туре	Matrix	Method	Prep Batch
890-3303-1	S-1A	Total/NA	Solid	8015 NM	
890-3303-2	S-3A	Total/NA	Solid	8015 NM	

### HPLC/IC

### Leach Batch: 38248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3303-1	S-1A	Soluble	Solid	DI Leach	
890-3303-2	S-3A	Soluble	Solid	DI Leach	

### **Eurofins Carlsbad**

Job ID: 890-3303-1 SDG: 700438-300.01

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### **QC Association Summary**

Client: Talon/LPE Project/Site: EOG Kimnets

### HPLC/IC (Continued)

### Leach Batch: 38248 (Continued)

Lab Sample ID MB 880-38248/1-A	Client Sample ID Method Blank	Prep Type Soluble	Matrix Solid	DI Leach	Prep Batch
LCS 880-38248/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38248/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3303-1 MS	S-1A	Soluble	Solid	DI Leach	
890-3303-1 MSD	S-1A	Soluble	Solid	DI Leach	

### Analysis Batch: 38295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	8
890-3303-1	S-1A	Soluble	Solid	300.0	38248	
890-3303-2	S-3A	Soluble	Solid	300.0	38248	9
MB 880-38248/1-A	Method Blank	Soluble	Solid	300.0	38248	
_CS 880-38248/2-A	Lab Control Sample	Soluble	Solid	300.0	38248	
_CSD 880-38248/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38248	
390-3303-1 MS	S-1A	Soluble	Solid	300.0	38248	
390-3303-1 MSD	S-1A	Soluble	Solid	300.0	38248	
						13

Job ID: 890-3303-1

SDG: 700438-300.01

-300.01

5

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Initial

Amount

4.96 g

5 mL

10.04 g

1 uL

5.05 g

50 mL

Dil

1

1

1

1

1

Factor

Run

Client: Talon/LPE Project/Site: EOG Kimnets

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

### Client Sample ID: S-1A Date Collected: 10/27/22 13:10 Date Received: 10/27/22 15:05

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

5035

8021B

Total BTEX

8015NM Prep

8015 NM

8015B NM

DI Leach

300.0

Method

Job ID: 890-3303-1 SDG: 700438-300.01

## Lab Sample ID: 890-3303-1

Analyst

MNR

Prepared

or Analyzed

10/31/22 09:15

10/31/22 14:28 MNR

10/31/22 15:09 AJ

10/31/22 15:00 AJ

10/31/22 10:25 AM

10/31/22 13:29 AJ

10/31/22 10:08 CH

10/31/22 13:09 CH

Batch

38223

38211

38304

38303

38261

38217

38248

38295

Number

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

50 mL

Matrix: Solid

Lab

EET MID

### Lab Sample ID: 890-3303-2 Matrix: Solid

### Client Sample ID: S-3A Date Collected: 10/27/22 13:21 Date Received: 10/27/22 15:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	5035			5.01 g	5 mL	38223	10/31/22 09:15	MNR	EET MID	- 1
Total/NA	Analysis	8021B		1	5 mL	5 mL	38211	10/31/22 11:22	MNR	EET MID	
Total/NA	Analysis	Total BTEX		1			38304	10/31/22 15:09	AJ	EET MID	
Total/NA	Analysis	8015 NM		1			38303	10/31/22 15:00	AJ	EET MID	
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38261	10/31/22 10:25	AM	EET MID	
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38217	10/31/22 13:50	AJ	EET MID	
Soluble	Leach	DI Leach			5 g	50 mL	38248	10/31/22 10:08	СН	EET MID	
Soluble	Analysis	300.0		1	50 mL	50 mL	38295	10/31/22 13:24	СН	EET MID	

#### Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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**Accreditation/Certification Summary** 

Client: Talon/LPE Project/Site: EOG Kimnets Job ID: 890-3303-1 SDG: 700438-300.01

### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

exas	Program NELAP			outification Number	Expiration Date 06-30-23		
The following analyte:	s are included in this repo	ort, but the laboratory is r	not certified by th	e governing authority.	This list may include analytes for which		
the agency does not o	offer certification.						
the agency does not o Analysis Method	offer certification. Prep Method	Matrix	Analy	te			
8,		Matrix Solid	Analy				

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### **Method Summary**

Client: Talon/LPE Project/Site: EOG Kimnets Job ID: 890-3303-1 SDG: 700438-300.01

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

#### **Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

### Sample Summary

Client: Talon/LPE Project/Site: EOG Kimnets Job ID: 890-3303-1 SDG: 700438-300.01

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3303-1	S-1A	Solid	10/27/22 13:10	10/27/22 15:05	3
890-3303-2	S-3A	Solid	10/27/22 13:21	10/27/22 15:05	3

.

Singlet Reserved interaction       Interaction       Table (Interaction)	Program: UST/P: State of Project: Reporting: Level II Deliverables: EE UEST UEST UEST I I I I I I I I I I I I I I I I I I I	W Program: UST/PS State of Project: Reporting: Level II Deliverables: ED UEST UEST UEST UEST Shain of Custody Se Ag TI U Se Ag TI U Se Ag TI U Se ag TI U
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Namage:     Chron (Miss) Mission (Mission (Miss) Mission (Mission (Mi	Manager     Chycl     McGy S     Lew     Manager     Chycl     McGy S     Lew     Manager     Chycl     McGy S     Manager     Chycl     McGy S
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Manager:       Chrani Hens       Bill to: (if affiseren)       Tal (an)       L C       Program:       Program:<	EUTOTIS     Environment Testing     Housen TX (201) 2440 500-000 400 Million TX (2010 500-000 Million TX (20100
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Et Paulo TX (915) 385-343, Lubbock, TX (900) 794-126 Hobb, NM (925) 385-343, Lubbock, TX (900) 794-126 Hobb, NM (925) 385-350, Cutbad, NM (925)	Environment Testing       Hourson XC (2010)       Environ XC (2010) 509-330         Manager: $Ch2cL$ $MEDS$ Hourson XC (2010) 509-330         gr Name: $Ch2cL$ $MEDS$ $Company, Name:       Company, Name:       Received NC (2010) 509-330         server       Ch2cL MEDS Company, Name:       Company, Name:       Received NC (2010) 509-330         server       Ch2cL MEDS Company, Name:       Received NC (2010) 509-330       Received NC (2010) 509-330         server       Ch2cL MEDS Company, Name:       Received NC (2010) 509-300       Received NC (2010) 500       Received NC (2010) 500$
Manager:       Ch2cl       HC/S       Lew       Bill to: (if different)       T2/b/L       L $\leq$ Program: State of Proj Reporting:         ezzle:       Email:       Email:       Email:       Email:       Email:       State of Proj Reporting:       State of Proj Reporting:       State of Proj Reporting:         Number:       70/4/4/33 - $30.0$ Image:       Turn Around       Pres.       Address:       Deliverables         Location:       70/4/4/33 - $30.0$ Image:       Turn Around       Pres.       Anaryst REQUEST       Deliverables         Second Inst:       70/4/4/33 - $30.0$ Thermometer/D:       Turn Around the sign       Pres.       Anaryst REQUEST       Second address	Kenco     Et Paulo, TX (PIS 55 5-343, Lubbock, TX (B00 794-126 Hobbs, NM (575) 392-2550, Carlsbad NM (575) 392-2550	Environment Testing     Housen, TX (219) 20-5000       Manager:     Ch2cl     Message:       Opplane:     Ch2cl     Message:       Systeme     Company Name:     Company Name:       Systeme     Not
Manager:       Ch <sub>Ze</sub> (       Me(r) S       Jey       Bill to: (if different)       T2 (g/n)       L/L <       Program: state of Progr	Et Paus 17 (915) 585-3443, Lubbock, 17 (906) 794-1286         Manager: $ChZ_cl$ $Messages       Table       Table NN (575) 392-7550, Caribbad NN (575) 983-319         Manager:       ChZ_cl Messages       Table NN (575) 392-7550, Caribbad NN (575) 983-319       Forgam:         synthesis       ChZ_cl Messages       Table NN (575) 392-7550, Caribbad NN (575) 983-319       Forgam:       State of Page       Forgam:         synthesis       Table NN       Email:       Email:       Turn Around       Fits       Address:       Forgam:       State of Page       Forgam:$	Kance       Chycl       Weins       Heuron, 17 (243) 204-000, Date, 17 (243) 204-00, Date, 104, Date, 104
Manager:       Chr.// MCr5       Jes       Bill to: (if different)       T2/0/1       L C       Program: State of Proj.         syname:       py Name:       company Name:       company Name:       company Name:       state of Proj.	EL Paso, TX (915) 589: 3443, Lubloock, TX (800) 794-1395         Hanager: Chr2 / HC15 / w         Oy Name: Company Name:	Environment Testing       Environment Testing       Housen (TX (432) 744-540, Dalas, TX (219) 992-0390         Manager:       Ch2cl       MC015       Lew       Bill to: (if different)       TZ (b)       Current (K180) 744-128         sy Name:       Ch2cl       MC015       Lew       Bill to: (if different)       TZ (b)       Current (K1800) 744-128         sy Name:       Ch2cl       MC015       Lew       Bill to: (if different)       TZ (b)       L L C       Program: State of Proj Rate         sezie:       Environment Testing       Environment (L):       Company Name:       TZ (b)       L L C       Program: State of Proj Rate of Proj
Manager:       Chrace/Interent       Hense       Company Name:       Tagent       Program: State of Proj.         syname:       Image:       Ima	EL Paso: TX (915) 585-3443, Lubbock, TX (906) 794-1296         Manager: $Ch2cl       Meltors       Bill to: (If different)       T2/cg/n L C < Colspan=199         Name:       Ch2cl       Meltors       Company Name:       T2/cg/n L C < Colspan=199         Name:       Ch2cl       Meltors       Company Name:       T2/cg/n L C < Colspan=199         Name:       Colspan=1000000000000000000000000000000000000$	Environment Testing       Housen, TX (213) Vac-4300, Dalas, TX (213) Vac-4300, TX (213) Vac-4300, Dalas, TX (213) Vac-4300, Dalas, TX (213) Vac-4300, TX (213) Vac-4300, Dalas, TX (213) Vac-4300, TX (213) Vac-4300, TX (213) Vac-4300, TX (213) Vac-4300, Dalas, TX (213) Vac-4300, TX (213) Vac-4300, TX (213) Vac-4300, Dalas, TX (213) Vac-4300, Dal
Manager:       Charler       Hens       Company Name:       Tales       Company Name:       Tales       Program:       State of Proj Reporting:       Deliverables         Number:       704437-30.01       Routine       Turn Around       Prest       ANALYSIS REQUEST       Deliverables       Deliverables <td>Manager:     Ch2.cl     H2rs     Bill to:     If different)     T2/G/T     LC       ny Name:       Address:     Company Name:     Final Li     Final Li<!--</td--><td>Manager:     Ch2nl     Memory Neme:     Company Name:     Company Name:</td></td>	Manager:     Ch2.cl     H2rs     Bill to:     If different)     T2/G/T     LC       ny Name:       Address:     Company Name:     Final Li     Final Li </td <td>Manager:     Ch2nl     Memory Neme:     Company Name:     Company Name:</td>	Manager:     Ch2nl     Memory Neme:     Company Name:
Manager:       Ch2c/L       HCrS       Jergram:       Bill to: (if different)       T2/gran       Program:       State of Proj Reporting:         sr       Image:       Im	Manager:       Charler (Charler for form)       Bill to: (if different)       Tables, NM (575) 392, 7550, Caribbad, NM (575) 988-3199         Namager:       Charler (Charler for form)       Company Name:       Company Name:       Program:         sr       Company Name:       Company Name:       Company Name:       Program:         sr       Company Name:       Company Name:       Program:         state of Proj.       Email:       City, State ZIP:       Program:         Number:       ZOV4 (43) - 200 (1)       Provine       Reporting:         Number:       ZOV4 (43) - 200 (1)       Proceived by received by receiv	Kenco       Environment Testing       Housen, TX (281) 264-2000       Midland, TX (281) 264-200       Midland, TX (280) 264-200       Midland, TX
Manager:       Charler       Heins / regime       Bill to: (if different)       T2/01       LC        Program:         sr       company Name:       company Name:       company Name:       regenting:       state of Proj       Program:         ste ZIP:       city, State ZIP:       city, State ZIP:       city, State ZIP:       city, State ZIP:       program:         state of Proj       Email:       city, State ZIP:       city, State ZIP:       program:         Number:       ZOUGU 433 - 300, 01       Insourine       Akush       Program:         I.coation:       ZOUGU 433 - 300, 01       Insourine       Akush       Program:         rSName:       TAT starts the day received by 4:30pm       the lab. if received by 4:30pm       maneters       and received by 4:30pm       maneters         ERECEIPT       Temp Blank:       Greet No       Wet Ke:       Ves No       No       Thermometer ID:       NWA. 50-7         Custody Seals:       Yes No       Torrection Factor:       844. Greet       A44. Greet       Maneters	Manager:       Ch2n(       Mercy Net       Bill to:       (if different)       T2/00       Curror State       Forgram:         site ZIP:              Forgram:       State of Proj         site ZIP:              Forgram:       State of Proj         Name:               Forgram:       State of Proj         Name:               Reporting:       State of Proj       Reporting:           State of Proj       Reporting:              Reporting:       State of Proj       Reporting:       Deliverables           Net of Proj       Reporting:       State of Proj       Reporting:             Reporting:       State of Proj       Reporting:                Reporting:	Environment Testing       Housen, TX (213) 240-400, Dallas, TX (214) 902-9300         Manager: $D_{Z_n}$ $M(S_1) > 1/2$ Bill to: (if different) $T_2$ (21) 245-240, San Annonio, TX (210) 599-334         Manager: $D_{Z_n}$ $M(S_1) > 1/2$ Bill to: (if different) $T_2$ (20)
Manager:       ChZc/       HCris /e       Bill to: (if different)       TZ /g // L C       Program:         ny Name:       Company Name:       Company Name:       Address:       State of Proj.       State of Proj.         ste ZIP:       Email:       City, State ZIP:       Email:       Deporting:       State of Proj.         name:       Fourname:       Final:       Email:       Email:       Deliverables         Number:       ZOVA 438 - 300 01       Due Date:       I Dec.ut       Address:       Deliverables         /s Name:       ZOVA 438 - 300 01       Due Date:       I Dec.ut       AnALYSIS REQUEST       Deliverables         /s Name:       Tat starts the day received by 4:30pm       Tat starts the day received by 4:30pm       Manual Horizon       Manual Horizon         LE RECEIPT       Temp Blank:       Vec. No       Wet Ke:       Vec. No       Manual Horizon	Xenco       EL Paso, TX (915) 595-3443, Lubbock, TX (806) 794-1296         Manager: $ChZ_cl$ $Merson       Bill to: (if different)       TZ/gran       LC Company Name:         syname:       ChZ_cl Merson       Company Name:       TZ/gran       LC Company Name:       Frogram:         sezpe:       ChZ_cl Merson       Company Name:       TZ/gran       LC Company Name:       Frogram:       State of Proj         sezpe:       ChZ_cl Merson       Clip: State ZIP:       Company Name:       Address:       State of Proj         sezpe:       Email:       Email:       Email:       Email:       Address:       Encepering:       Colleverables         Number:       70^{\circ} Gruf 33 - 300 Ol       Decudine       Analysis ReQUEST       Analysis ReQUEST       Analysis ReQUEST         Nume:       Temp Blank:       Gave       Tart starts the day received by 4:30 pm       the lab; if received by 4:30 pm       the lab; fireceived by 4:30 pm       the lab; fireceived by 4:30 pm       the lab; fireceived by 4:30 pm   $	Current Testing     Environment Testing     Houson, TX (281) 240-4200, Dallas, TX (214) 920-23000       Manager:     ChZal     H2rs J*     Bill to: (If different)     TQ/GA     Company Name:     Flags, TX (214) 920-3300       Namager:     ChZal     H2rs J*     Bill to: (If different)     TQ/GA     Company Name:     Flags, TX (214) 920-3300       Name:     ChZal     H2rs J*     Bill to: (If different)     TQ/GA     LC C       ste ZIP:     Email:     Company Name:     Company Name:     Flags, TX (214) 920-3000       ste ZIP:     Email:     Company Name:     Company Name:     Flags, TX (214) 920-3000       ste ZIP:     Email:     Company Name:     Company Name:     Flags, TX (214) 920-3000       ste ZIP:     Email:     Company Name:     Company Name:     Flags, TX (214) 920-3000       state ZIP:     Email:     Email:     City, State ZIP:     State of Proj Reporting:       state of Proj /s Name:     ZOV (4:33 - 30.0)     Due Date:     I Dov (1)     Nume:       state of Proj /s Name:     No     Wet Ice:     Visit in received by 4:30pm     Due Date:     I Dov (1)       state of proj me     No     MALYSIS REQUEST     MALYSIS REQUEST     Due Date:     I Dov (1)
Manager:       Ch2c/       HCris /e       Bill to: (if different)       T2/G/N       LC       Program:         ny Name:       Company Name:       Address:       Address:       State of Proj.       Program:       State of Proj.       Reporting:       State of Proj.       Name:       Email:       State of Proj.       Name:       Name:       Turn Around       Name:       Name:       ANALYSIS REQUEST       Deliverables         r's Name:       704437-300,01       Due Date:       I Dc.v.4       Code:       ANALYSIS REQUEST       Deliverables         r's Name:       TAT starts the day received by 4:30pm       TAT starts the day received by 4:30pm       Mail       Mail       Mail       Mail	Kenco       EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1296         Manager: $ChZerl$ $HCrS Jerg$ Bill to: (if different) $TZ / GrA$ $LL C$ Name: $hZerl$ $HCrS Jerg$ Bill to: (if different) $TZ / GrA$ $LL C$ Program:         s: $Location:$ $Email:$ $Email:$ $Email:$ $Email:$ $Email:$ $Email:$ $Address:       Ender of ProjReporting:       Deliverables         1ocation:       7GV4433-300 OI Routine Rush Rest       Deliverables         1 TAT starts the day received by 4:30pm       TAT starts the day received by 4:30pm       Tatron       Tatr$	Function     Environment Testing     Houston, TX (281) 204-0200, Dallas, TX (214) 902-0300       Manager:     Ch2c/     Mch3 2
Manager: $Ch_{ZC}I$ $Mens J_{Z}$ Bill to: (if different) $T_{Z}/GA$ $L \leq$ Program:         ny Name: $Ompany Name:$ $Company Name:$ $Company Name:$ $T_{Z}/GA$ $L \leq$ Program:         s: $Adress:$ $Adress:$ $Adress:$ $Email:$ $City, State ZIP:$ $Email:$ $Email:$ $Deliverables$ Name: $Turn Around$ $Pres.$ $ANALYSIS REQUEST$ $ANALYSIS REQUEST$ Number: $7OU433-300$ $Due Date:$ $I De.J$ $Deliverables$ $I De.J$ Location: $Due Date:$ $I De.J$ $I TAT starts the day received by$ $I TAT starts the day received by       I TAT startsthe day received by       I TAT $	Kenco       EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Manager: $Ch_{Z,c}/$ $Mensy Name:$ $T_{Z/G/A}$ $L \leq C$ ny Name: $Company Name:$ $T_{Z/G/A}$ $L \leq C$ Program:         ste ZIP:       Email: $City, State ZIP:$ Email:       Email:       State of Proj         Number: $ZOG 4433 - 300$ Image:       Turn Around       Pres.       AnALYSIS REQUEST         Number: $ZOG 4433 - 300$ Due Date:       I Deveload       Indicate       Indicate       AnALYSIS REQUEST         rSName:       Turt starts the day received by       Turt starts the day received by       Indicate       Indicate       Indicate       Indicate	Environment Testing       Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300         Manager: $Ch2nl$ $Mlend, TX (432) 745 440, San Antonio, TX (214) 902-0300         Manager:       Ch2nl Mlend, TX (432) 745 440, San Antonio, TX (214) 902-0300         Manager:       Ch2nl Mlend, TX (432) 745 440, San Antonio, TX (214) 902-0300         Manager:       Ch2nl Mlend, TX (432) 745 440, San Antonio, TX (214) 902-0300         Manager:       Ch2nl Mlend, TX (432) 745 440, San Antonio, TX (214) 902-0300         Manager:       Ch2nl Mlend, TX (432) 745 440, San Antonio, TX (210) 509-3334         State       Company Name:       TZ (dyn) L L \subseteq C         Number:       Ch2nl Mlend, TX (432) 745 440, San Antonio, TX (210) 902-3300         Mame:       Email:       Email:       TZ (dyn) L \subseteq C         Number:       ZOU 4433 - 200, O1       Email:       Email:       Manager         Itoration:       ZOU 4433 - 200, O1       Deliverables       Deliverables         State       Doue Date:       I D Cxu1       Manager       ANALYSIS REQUEST         Number:       ZOU 4433 - 200, O1       Due Date:       I D Cxu1       Manager       Manager         Itoris third aly received by       Du1       Manage$
Manager: $Ch_{ZC}/$ $Mens J_{Z}$ Bill to: (if different) $T_{Z}/GA$ $L \leq$ Program:         ny Name: $Ompany Name:       Company Name:       Address:       Address:       State of Proj.       State of Proj.       State of Proj.       State of Proj.       Program:       State of Proj.       State of Proj.       Deliverables       Name:       Manager:       Turn Around       Program:       State of Proj.       Deliverables       Deliverables         Number:       704433-300.01 \square Routine       Akush       Pres.       ANALYSIS REQUEST       Deliverables         Location:       Due Date:       1 D C_{A}A       Due $	Xenco       EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Manager: $ChZ_c/L$ $Mens / Less$ TZ / GA       L C         ny Name: $ChZ_c/L$ $Mens / Less$ Num(575) 392-7550, Carlsbad, NM (575) 988-3199       Frogram:         s: $Company Name:$ $Company Name:$ $Company Name:$ Program:         ste ZIP:       Email:       City, State ZIP:       Deliverables         Name: $ZOU 438 - 300, O/I$ Email:       AnALYSIS REQUEST       Deliverables         Number: $ZOU 438 - 300, O/I$ IRoutine       Akush       Prost       Deliverables         Due Date: $I DCAA$ Due Date: $I DCAA$ Due Date:       Due Date:       Due Date:	Function       Environment Testing       Houston, TX (281) 240-4200, Dallas, TX (210) 509-3334         Honsder: $ChZ_cI$ $ACDS$
Manager: $Ch_{ZC}/I$ $ICP (Program: Program: Progra: Progra: Program: Program: Progra: Program: Program$	Manager: $Ch_{2c}I$ $Henso$ EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Manager: $Ch_{2c}I$ $Henso$ $Henso, IX (915) 585-3443, Lubbock, TX (806) 794-1296       Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Ny Name:       Company Name: Ta/Gn L \leq C       Program:         ste ZIP:       Email:       City, State ZIP:       Email:       State of Proj         Name:       Email:       Email:       ANALYSIS REQUEST       Deliverables         Number:       7004438-300 01       Inoutine       Ash       Pres.       ANALYSIS REQUEST   $	Further       Environment Testing       Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300         Manager: $ChZ_c/$ $AlchS_r$ Bill to: (if different) $TZ/g/A$ L Paso, TX (915) 585-3443, Lubbock, TX (806) 794-126         NAme: $ChZ_c/$ $AlchS_r$ Bill to: (if different) $TZ/g/A$ $L C_r$ Number: $Company$ Name: $Company$ Name: $TZ/g/A$ $L C_r$ Program:         State ZIP:       Email:       Email:       City, State ZIP:       Enail:       Deliverables         Number: $7004433-300$ $Oll$ Routine       Address:       Deliverables
Manager:       Ch2cl       Hens       Bill.to: (if different)       T2/gn       L C       Program:         ny Name:       Company Name:       Address:       Address:       State of Proj.       State of Proj.       State of Proj.       State of Proj.       Reporting:       Deliverables       Deliverables<	Xenco       EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Manager:       Ch2cl       Ale S       Bill to: (if different)       T2/g/n       L C       Program:         ny Name:       Company Name:       Address:       Address:       State of Proj       State of Proj       State of Proj       Reporting:       State of Proj       Deliverables	Curroutis       Environment Testing       Houston, TX (281) 240-4200, Dalas, TX (214) 902-0300         Manager:       Ch2cl       Mensor       El Paso, TX (915) 385-3443, Lubbock, TX (806) 794-1296         Manager:       Ch2cl       Mensor       T2/G/A       L C         my Name:       Bill to:       (if different)       T2/G/A       L C         s:       Address:       Address:       State of Proj       Program:         ste ZIP:       Email:       Email:       Turn Around       ANALYSIS REQUEST
Manager:       Ch2cl       Hens       Bill to: (if different)       T2/on       L C         ny Name:       Company Name:       Company Name:       Program:       State of Proji         ste ZIP:       City, State ZIP:       City, State ZIP:       Email:       Deliverables	Xenco       EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Manager:       Ch2cl       Menso       Tables, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Manager:       Ch2cl       Menso       Tables, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Ny Name:       Company Name:       Tables, Company Name:       Tables, NM (575) 988-3199         s:       Address:       Company Name:       Tables, City, State ZIP:       Program:         te ZIP:       Email:       City, State ZIP:       Deliverables	Fourior       Environment Testing       Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300         Manager:       Ch2cl       Mensor       Fill to:       (if different)       T2/G/1       L C       Program:         NN Name:       Company Name:       Company Name:       Company Name:       T2/G/1       L C       Program:         ste ZIP:       Email:       Email:       Email:       Email:       Email:       Deliverables
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anager: Ch2cl HCris Jey Bill to: (If different) T2/01 LLC Name: Company Name: Address: Address:	Xenco     EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1296       anager:     Ch2cl     HCDS     Paso, TX (915) 585-343, Lubbock, TX (806) 794-1296       Anager:     Ch2cl     HCDS     TQ/G/1     L C       Name:     Company Name:     TQ/G/1     L C       Address:     Address:     State of Proj	Environment Testing       Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300         Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334         EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Hobs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Name:       T2/b7       Bill to: (if different)       T2/b7       L C         Address:       Company Name:       Program:
Chack News Jay Bill to: (If different) Talon LLC Program:	Xenco         EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1296           Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199           ChZcl MC05 Jey           Bill to: (If different)           Company Name:	Chronic former         Testing         Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300           Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334         EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296           Houbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Bill to: (If different)         TG/g/g/g/g/g/g/g/g/g/g/g/g/g/g/g/g/g/g/g
Chack Hensley Bill to: (if different) Talon LLC	Xenco     EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1296       Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199     WV       Chick of the state of t	FOULIDS         Environment Testing         Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300         Worl           Xenco         EL Paso, TX (915) 240-4200, Dallas, TX (214) 902-0300         Worl           EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Worl           Chacl         Heys Jay         Bill to: (if different)         Ta/on         LL C         Worl
	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Kouston, TX (281) 240-4200, Dallas, TX (214) 902-0300           Kenco         EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296         Work           Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199         Work
		Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	<b>Environment Testing</b>	

### Login Sample Receipt Checklist

Client: Talon/LPE

### Login Number: 3303 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Job Number: 890-3303-1 SDG Number: 700438-300.01

List Source: Eurofins Carlsbad

### Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 3303 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

Job Number: 890-3303-1 SDG Number: 700438-300.01

List Source: Eurofins Midland

List Creation: 10/31/22 08:40 AM

Received by OCD: 11/30/2022 3:23:40 PM

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# Environment Testing America

# **ANALYTICAL REPORT**

Eurofins Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

### Laboratory Job ID: 890-3163-1

Laboratory Sample Delivery Group: Lea County NM Client Project/Site: Kemnitz South AFL State 1

### For:

Talon/LPE 408 W. Texas St. Artesia, New Mexico 88210

Attn: Rebecca Pons

VRAMER

Authorized for release by: 10/12/2022 1:00:27 PM

Jessica Kramer, Project Manager (432)704-5440 Jessica.Kramer@et.eurofinsus.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job I	D: 890-3163-1
SDG: L	ea County NM

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Qua	

Quaimers		<u> </u>
GC VOA		
Qualifier	Qualifier Description	4
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
F1	MS and/or MSD recovery exceeds control limits.	5
F2	MS/MSD RPD exceeds control limits	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
S1-	Surrogate recovery exceeds control limits, low biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	Α	
Qualifier	Qualifier Description	8
В	Compound was found in the blank and sample.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0
U	Indicates the analyte was analyzed for but not detected.	3
HPLC/IC		
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	11
U	Indicates the analyte was analyzed for but not detected.	
Glossary		<b>1</b> 2
Abbreviation	These commonly used abbreviations may or may not be present in this report.	4.2
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	<u> </u>
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	

DL	Detection Linit (DOD/DOL)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MCLEPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

- MDC Minimum Detectable Concentration (Radiochemistry)
- MDL Method Detection Limit
- ML Minimum Level (Dioxin)
- MPN Most Probable Number
- MQL Method Quantitation Limit
- NC
   Not Calculated

   ND
   Not Detected at the reporting limit (or MDL or EDL if shown)
- NEG Negative / Absent
- POS Positive / Present
- PQL Practical Quantitation Limit
- PRES Presumptive
- QC Quality Control
- RER Relative Error Ratio (Radiochemistry)
- RL Reporting Limit or Requested Limit (Radiochemistry)
- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEFToxicity Equivalent Factor (Dioxin)TEQToxicity Equivalent Quotient (Dioxin)
- TEQ Toxicity Equivalent Quotient (D TNTC Too Numerous To Count
- TNTC Too Numerous To Count

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### Job ID: 890-3163-1 SDG: Lea County NM

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### Job ID: 890-3163-1

#### Laboratory: Eurofins Carlsbad

#### Narrative

Job Narrative 890-3163-1

#### Receipt

The samples were received on 10/6/2022 10:03 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

#### **Receipt Exceptions**

The following samples analyzed for method <FRACTION\_METHOD> were received and analyzed from an unpreserved bulk soil jar: S-1A (890-3163-1), S-2A (890-3163-2), S-3A (890-3163-3), S-8A (890-3163-4), S-9A (890-3163-5), S-10A (890-3163-6), S-11A (890-3163-7), S-12A (890-3163-8), S-13A (890-3163-9) and S-14A (890-3163-10). THE FOLLOWING SAMPLES WERE RECEIVED AND SAMPLED FROM UNPRESERVED BULK SOILD

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36587 and analytical batch 880-36501 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: o-Xylene biased high in LCSD. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-36450/2-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

Method 8015MOD\_NM: The method blank for preparation batch 880-36322 and analytical batch 880-36315 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36394 and analytical batch 880-36739 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 890-3163-1 SDG: Lea County NM

### **Client Sample ID: S-1A**

Date Collected: 10/06/22 07:00 Date Received: 10/06/22 10:03

Sample Depth: 2

Client: Talon/LPE

### Lab Sample ID: 890-3163-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000387		0.00201	0.000387	mg/Kg		10/10/22 13:15	10/10/22 23:15	
Toluene	0.000793		0.00201	0.000458	mg/Kg		10/10/22 13:15	10/10/22 23:15	
Ethylbenzene	< 0.000567		0.00201	0.000567			10/10/22 13:15	10/10/22 23:15	
m-Xylene & p-Xylene	< 0.00101		0.00402	0.00101	mg/Kg		10/10/22 13:15	10/10/22 23:15	
o-Xylene	< 0.000345		0.00201	0.000345			10/10/22 13:15	10/10/22 23:15	
Xylenes, Total	<0.000343		0.00201	0.00101			10/10/22 13:15	10/10/22 23:15	
	-0.00101	01112	0.00402	0.00101	mg/rtg		10/10/22 10:10	10/10/22 20:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	111		70 - 130				10/10/22 13:15	10/10/22 23:15	
1,4-Difluorobenzene (Surr)	83		70 - 130				10/10/22 13:15	10/10/22 23:15	
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			10/11/22 09:03	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	140		49.9	15.0	mg/Kg			10/10/22 12:14	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	29.8		49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 15:50	
(GRO)-C6-C10					0 0				
Diesel Range Organics (Over C10-C28)	92.3	В	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 15:50	
Oll Range Organics (Over C28-C36)	18.1	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 15:50	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	88		70 - 130				10/07/22 07:42	10/07/22 15:50	
o-Terphenyl	91		70 - 130				10/07/22 07:42	10/07/22 15:50	
Method: MCAWW 300.0 - Anions	. Ion Chromato	ography - So	oluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	170		4.95	0.391	mg/Kg			10/11/22 21:43	
lient Sample ID: S-2A							Lab San	nple ID: 890-	3163-
ate Collected: 10/06/22 07:05								-	ix: Soli
ate Received: 10/06/22 10:03									
ample Depth: 2									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		10/10/22 13:15	10/10/22 23:36	
Toluene	0.00271		0.00198	0.000451			10/10/22 13:15	10/10/22 23:36	
Ethylbenzene	<0.000559	U	0.00198	0.000559			10/10/22 13:15	10/10/22 23:36	
n-Xylene & p-Xylene	< 0.00100		0.00396	0.00100			10/10/22 13:15	10/10/22 23:36	
p-Xylene	<0.000341		0.00198	0.000341			10/10/22 13:15	10/10/22 23:36	
Xylenes, Total	<0.000341		0.00198	0.000341	0 0		10/10/22 13:15	10/10/22 23:36	
	-0.00100	5	0.00000	0.00100				.0, 10,22 20.00	

%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
110		70 - 130	10/10/22 13:15	10/10/22 23:36	1

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5

Surrogate

4-Bromofluorobenzene (Surr)

### **Client Sample Results**

Job ID: 890-3163-1 SDG: Lea County NM

Matrix: Solid

5

Lab Sample ID: 890-3163-2

Lab Sample ID: 890-3163-3

Matrix: Solid

### Client Sample ID: S-2A

Date Collected: 10/06/22 07:05 Date Received: 10/06/22 10:03

Sample Depth: 2

Client: Talon/LPE

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130				10/10/22 13:15	10/10/22 23:36	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00271	J	0.00396	0.00100	mg/Kg			10/11/22 09:03	1
- Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	139		50.0	15.0	mg/Kg			10/10/22 12:14	1
-									
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	29.5	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:12	1
(GRO)-C6-C10									
Diesel Range Organics (Over	92.6	В	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:12	1
C10-C28)									
Oll Range Organics (Over C28-C36)	17.0	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				10/07/22 07:42	10/07/22 16:12	1
o-Terphenyl	90		70 - 130				10/07/22 07:42	10/07/22 16:12	1
Method: MCAWW 300.0 - Anions	Ion Chromato	graphy . S	olublo						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride			4.96	0 302	mg/Kg		· · ·	10/11/22 21:59	1

### Client Sample ID: S-3A

Date Collected: 10/06/22 07:10 Date Received: 10/06/22 10:03 Sample Depth: 2

#### Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000383 U 0.00199 0.000383 mg/Kg 10/10/22 13:15 10/10/22 23:57 Toluene 0.00199 0.000454 10/10/22 13:15 10/10/22 23:57 mg/Kg 0.00118 J 1 Ethylbenzene <0.000563 U 0.00199 0.000563 mg/Kg 10/10/22 13:15 10/10/22 23:57 10/10/22 23:57 0.00398 m-Xylene & p-Xylene <0.00101 U 0.00101 mg/Kg 10/10/22 13:15 1 o-Xylene <0.000343 U 0.00199 0.000343 mg/Kg 10/10/22 13:15 10/10/22 23:57 1 Xylenes, Total <0.00101 U 0.00398 0.00101 mg/Kg 10/10/22 13:15 10/10/22 23:57 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 10/10/22 13:15 10/10/22 23:57 4-Bromofluorobenzene (Surr) 124 1 1,4-Difluorobenzene (Surr) 103 70 - 130 10/10/22 13:15 10/10/22 23:57 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte **Result Qualifier** RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX 0.00118 0.00398 0.00101 10/11/22 09:03 J mg/Kg 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	134		50.0	15.0	mg/Kg			10/10/22 12:14	1

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Matrix: Solid

### **Client Sample Results**

Job ID: 890-3163-1 SDG: Lea County NM

### Client Sample ID: S-3A

Date Collected: 10/06/22 07:10 Date Received: 10/06/22 10:03

Sam	ole [	Dept	h:	2

Client: Talon/LPE

_	
Method:	SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	19.5	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	95.0	В	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:33	1
C10-C28)									
Oll Range Organics (Over C28-C36)	19.1	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 16:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				10/07/22 07:42	10/07/22 16:33	1
o-Terphenyl	93		70 - 130				10/07/22 07:42	10/07/22 16:33	1

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.01	0.396	mg/Kg			10/11/22 22:04	1

### Client Sample ID: S-8A

#### Date Collected: 10/06/22 07:15 Date Received: 10/06/22 10:03

### Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000452	J	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Toluene	0.000636	J	0.00199	0.000453	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 _ 130				10/10/22 13:15	10/11/22 00:17	1
1,4-Difluorobenzene (Surr)	105		70 - 130				10/10/22 13:15	10/11/22 00:17	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00109	1	0.00398	0.00100	mg/Kg			10/11/22 09:03	1

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101	49.8	14.9	mg/Kg			10/10/22 12:14	1
Method: SW846 8015B NM - Diese	l Range Orga	nics (DRO) (GC)						

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	23.0	J	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 16:55	1
(GRO)-C6-C10									
Diesel Range Organics (Over	77.9	В	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 16:55	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analvzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/07/22 07:42	10/07/22 16:55	1
									'
o-Terphenyl	94		70 - 130				10/07/22 07:42	10/07/22 16:55	1

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Lab Sample ID: 890-3163-3

		Clien	nt Sample	Results	5				
Client: Talon/LPE Project/Site: Kemnitz South AFL Sta	ate 1							Job ID: 890 SDG: Lea Co	
Client Sample ID: S-8A							Lab Sar	nple ID: 890-	3163-4
Date Collected: 10/06/22 07:15								Matri	ix: Solid
Date Received: 10/06/22 10:03									
Sample Depth: 2									
Method: MCAWW 300.0 - Anions Analyte		Qualifier	OIUDIE RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.99	0.394				10/11/22 22:10	1
									0400 5
Client Sample ID: S-9A							Lab San	nple ID: 890-	
Date Collected: 10/06/22 07:20 Date Received: 10/06/22 10:03								watr	ix: Solid
Sample Depth: 2									
Method: SW846 8021B - Volatile									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384			10/10/22 13:15	10/11/22 00:38	1
Toluene	0.00158	J	0.00200	0.000455	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/10/22 13:15	10/11/22 00:38	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/10/22 13:15	10/11/22 00:38	1
_ Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00158	-	0.00399	0.00101				10/11/22 09:03	1
=									
Method: SW846 8015 NM - Diese				МП	Unit	-	Prepared	Analyzad	Dil Fac
Analyte Total TPH		Qualifier	RL 49.9		mg/Kg	D	Frepareu	Analyzed	1
	147		49.9	15.0	iiig/itg			10/10/22 12.14	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	22.4	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:16	1
(GRO)-C6-C10 Diesel Range Organics (Over	103	•	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:16	1
C10-C28)	105		40.0	10.0	mg/itg		10/07/22 01.42	10/07/22 17:10	
Oll Range Organics (Over C28-C36)	21.2	J	49.9	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
-			70 - 130				10/07/22 07:42	10/07/22 17:16	1
1-Chlorooctane	92								
1-Chlorooctane o-Terphenyl	92 96		70 - 130				10/07/22 07:42	10/07/22 17:16	1
o-Terphenyl	96						10/07/22 07:42	10/07/22 17:16	1
	<sub>96</sub> , Ion Chromato	o <mark>graphy - S</mark> Qualifier		MD	Unit	D	10/07/22 07:42 Prepared	10/07/22 17:16 Analyzed	1 Dil Fac

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Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

### Client Sample ID: S-10A

Date Collected: 10/06/22 07:25 Date Received: 10/06/22 10:03

Sample Depth: 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/11/22 00:59	
Toluene	0.00125	J	0.00199	0.000454	mg/Kg		10/10/22 13:15	10/11/22 00:59	
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		10/10/22 13:15	10/11/22 00:59	
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:59	
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		10/10/22 13:15	10/11/22 00:59	
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		10/10/22 13:15	10/11/22 00:59	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	121		70 _ 130				10/10/22 13:15	10/11/22 00:59	
1,4-Difluorobenzene (Surr)	99		70 - 130				10/10/22 13:15	10/11/22 00:59	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.00125	J	0.00398	0.00101	mg/Kg			10/11/22 09:03	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	142		50.0	15.0	mg/Kg			10/10/22 12:14	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	25.9	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:38	
Diesel Range Organics (Over	96.0	в	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:38	
C10-C28)		-			5 5				
Oll Range Organics (Over C28-C36)	19.9	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:38	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	91		70 - 130				10/07/22 07:42	10/07/22 17:38	
o-Terphenyl	94		70 - 130				10/07/22 07:42	10/07/22 17:38	
Method: MCAWW 300.0 - Anions	, Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	178		5.00	0.395	mg/Kg			10/11/22 22:21	
lient Sample ID: S-11A							Lab San	nple ID: 890-	3163-
ate Collected: 10/06/22 07:30								Matri	x: Soli
ate Received: 10/06/22 10:03									
ample Depth: 2									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)						
	Beault	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	Result	Quanner			onne		Tioparoa	Analyzea	
Analyte Benzene	- <	U	0.00200	0.000384	mg/Kg		10/10/22 13:15	10/11/22 01:19	

welliou: Swo40 ouzib - volatile v	organic comp	ounus (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Toluene	0.00130	J	0.00200	0.000455	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

4-Bromofluorobenzene (Surr)

1

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10/11/22 01:19

10/10/22 13:15

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Job ID: 890-3163-1 SDG: Lea County NM

## Lab Sample ID: 890-3163-6

Matrix: Solid

5

70 - 130

### **Client Sample Results**

Job ID: 890-3163-1 SDG: Lea County NM

Lab Sample ID: 890-3163-7

### **Client Sample ID: S-11A**

Date Collected: 10/06/22 07:30 Date Received: 10/06/22 10:03

Sample Depth:

Client: Talon/LPE

Sample Depth: 2									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	(Continued)						
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93		70 - 130				10/10/22 13:15	10/11/22 01:19	1
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00130	J	0.00399	0.00101	mg/Kg			10/11/22 09:03	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.0		50.0	15.0	mg/Kg			10/10/22 12:14	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	16.4	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 17:59	1

Gasoline Range Organics	16.4	J	50.0	15.0 mg/Kg	10/07/22 07:42	10/07/22 17:59	1
(GRO)-C6-C10							
Diesel Range Organics (Over	54.6	В	50.0	15.0 mg/Kg	10/07/22 07:42	10/07/22 17:59	1
C10-C28)							
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg	10/07/22 07:42	10/07/22 17:59	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130		10/07/22 07:42	10/07/22 17:59	1
o-Terphenyl	88		70 - 130		10/07/22 07:42	10/07/22 17:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241	F1	4.98	0.393	mg/Kg	 		10/11/22 22:26	1

### **Client Sample ID: S-12A**

Date Collected: 10/06/22 07:35 Date Received: 10/06/22 10:03 Sample Depth: 2

Lab Sample ID: 890-3163-8 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Toluene	0.00202		0.00199	0.000453	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		10/10/22 13:15	10/11/22 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/10/22 13:15	10/11/22 01:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/10/22 13:15	10/11/22 01:40	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00202	J	0.00398	0.00100	mg/Kg			10/11/22 09:03	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.2		50.0	15.0	mg/Kg			10/10/22 12:14	

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Matrix: Solid

# Project/Site: Kemnitz South AFL State 1

Released to Imaging: 1/4/2023 2:35:09 PM

Job ID: 890-3163-1 SDG: Lea County NM

### Client Sample ID: S-12A

Date Collected: 10/06/22 07:35 Date Received: 10/06/22 10:03

Sample Depth: 2

Client: Talon/LPE

# Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	15.0	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 18:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	66.2	В	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 18:21	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				10/07/22 07:42	10/07/22 18:21	1
o-Terphenyl	87		70 - 130				10/07/22 07:42	10/07/22 18:21	1

### Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		4.96	0.392	mg/Kg			10/11/22 22:43	1

### Client Sample ID: S-13A

#### Date Collected: 10/06/22 07:40 Date Received: 10/06/22 10:03

Duto			· · · ·		
Sam	ple	Dep	oth:	2	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
Toluene	0.00241		0.00200	0.000455	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		10/10/22 13:15	10/11/22 03:45	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 03:45	
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		10/10/22 13:15	10/11/22 03:45	
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/10/22 13:15	10/11/22 03:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/10/22 13:15	10/11/22 03:45	
1,4-Difluorobenzene (Surr)	86		70 - 130				10/10/22 13:15	10/11/22 03:45	1
Method: TAL SOP Total BTEX - 1 Analyte Total BTEX		Qualifier	RL 0.00399	<b>MDL</b> 0.00101	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result 0.00241 el Range Organ	Qualifier J ics (DRO) (	0.00399	0.00101	mg/Kg			10/11/22 09:03	
Analyte Total BTEX	Result 0.00241 el Range Organ	Qualifier J	0.00399	0.00101 MDL		<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ Result Range Organ Result 109 sel Range Orga	Qualifier J ics (DRO) ( Qualifier	0.00399 GC) RL 49.8	0.00101 MDL 14.9	mg/Kg Unit			10/11/22 09:03	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result Range Organ Result 109 sel Range Orga	Qualifier J ics (DRO) (1 Qualifier nics (DRO) Qualifier	GC) <u>RL</u> <u>49.8</u> (GC)	0.00101 MDL 14.9 MDL	mg/Kg Unit mg/Kg	D	Prepared	10/11/22 09:03 Analyzed 10/10/22 12:14	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result Result 109 Sel Range Orga Result	Qualifier J ics (DRO) ( Qualifier nics (DRO) Qualifier J	0.00399 GC) 49.8 (GC) RL	0.00101 MDL 14.9 MDL	mg/Kg Unit mg/Kg Unit	D	Prepared	10/11/22 09:03 Analyzed 10/10/22 12:14 Analyzed	

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 Lab Sample ID: 890-3163-8 Matrix: Solid
 3

 4
 4

 7/22 07:42
 10/07/22 18:21
 1

 7/22 07:42
 10/07/22 18:21
 1

 7/22 07:42
 10/07/22 18:21
 1

 7/22 07:42
 10/07/22 18:21
 1

 7/22 07:42
 10/07/22 18:21
 1

 7/22 07:42
 10/07/22 18:21
 1

 8
 9
 10/07/22 18:21
 1

 9
 10/07/22 18:21
 1
 1

 17/22 07:42
 10/07/22 18:21
 1

 Image: Analyzed Dil Fac
 Dil Fac

 10/07/22 18:21
 1

 10/07/22 18:21
 1

 10/07/22 18:21
 1

 10/07/22 18:21
 1

 10/07/22 18:21
 1

 10/07/22 18:21
 1

 11
 10/07/22 18:21

 12
 1

 Image: Analyzed 10/11/22 22:43
 1

 11
 1

 12
 1

 13
 1

 14
 1

 15
 1

 16
 1

 17
 1

 18
 1

 19
 1

 10/11/22 22:43
 1

 11
 1

 12
 1

 13
 1

 14
 1

 15
 1

 16
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 17
 1

 18
 1

 19
 1

 10/11/22 22:43
 1

 11
 1

 12
 1

 13
 1
 <

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### 10/12/2022

		Client	Sample	Results	5				
Client: Talon/LPE			-					Job ID: 890	
Project/Site: Kemnitz South AFL Sta	ate 1							SDG: Lea Co	unty NM
Client Sample ID: S-13A							Lab Sar	nple ID: 890-	3163-9
Date Collected: 10/06/22 07:40									ix: Solid
Date Received: 10/06/22 10:03									
Sample Depth: 2									
			L. L. L.						
Method: MCAWW 300.0 - Anions Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.95	0.391	mg/Kg			10/11/22 22:48	1
Client Sample ID: S 14A							Lah Sam	plo ID: 800 3	162 10
Client Sample ID: S-14A Date Collected: 10/06/22 07:45							Lap Sam	ple ID: 890-3	
Date Received: 10/06/22 10:03								Wath	ix: Solid
Sample Depth: 2									
Method: SW846 8021B - Volatile									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384		0.00200	0.000384	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Toluene	0.000649		0.00200	0.000455	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Ethylbenzene	<0.000564		0.00200	0.000564	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
m-Xylene & p-Xylene	<0.00101		0.00399	0.00101	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
o-Xylene	<0.000343		0.00200	0.000343	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		10/08/22 13:26	10/11/22 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/08/22 13:26	10/11/22 11:05	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/08/22 13:26	10/11/22 11:05	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg		·	10/11/22 09:03	1
Method: SW846 8015 NM - Diese Analyte		Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH		Quaimer	49.8		mg/Kg			10/10/22 12:14	1
	75.0		45.0	14.5	ilig/itg			10/10/22 12.14	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) (	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	21.0	J	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 19:04	1
(GRO)-C6-C10 Diesel Range Organics (Over	E4.0	P	49.8	1/ 0	mg/Kg		10/07/22 07:42	10/07/22 19:04	1
C10-C28)	54.8	U I	43.0	14.9	ingity		10/01/22 01.42	10/01/22 13.04	I
Oll Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		10/07/22 07:42	10/07/22 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				10/07/22 07:42	10/07/22 19:04	1
o-Terphenyl	92		70 - 130				10/07/22 07:42	10/07/22 19:04	1
	lan Okaan t		lub la						
Method: MCAWW 300.0 - Anions Analyte	·	ography - So Qualifier	luble RL	мп	Unit	D	Prepared	Analyzed	Dil Fac
		quanner				Ľ	- i opaieu		ac

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 119
 5.01
 0.396
 mg/Kg
 0
 10/11/22 23:04
 1

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Job ID: 890-3163-1 SDG: Lea County NM

Prep Type: Total/NA

# Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Client: Talon/LPE

_				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-3163-1	S-1A	111	83		
890-3163-1 MS	S-1A	72	59 S1-		6
890-3163-1 MSD	S-1A	117	95		
890-3163-2	S-2A	110	98		
890-3163-3	S-3A	124	103		
890-3163-4	S-8A	123	105		8
890-3163-5	S-9A	112	96		
890-3163-6	S-10A	121	99		0
890-3163-7	S-11A	115	93		
890-3163-8	S-12A	116	97		
890-3163-9	S-13A	114	86		
890-3163-10	S-14A	99	94		
LCS 880-36450/1-A	Lab Control Sample	111	99		
LCS 880-36587/1-A	Lab Control Sample	93	94		
LCSD 880-36450/2-A	Lab Control Sample Dup	122	106		
LCSD 880-36587/2-A	Lab Control Sample Dup	93	93		
MB 880-36450/5-A	Method Blank	88	91		
MB 880-36503/5-A	Method Blank	98	86		
MB 880-36587/5-A	Method Blank	105	84		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3163-1	S-1A	88	91	
890-3163-2	S-2A	88	90	
890-3163-3	S-3A	93	93	
890-3163-4	S-8A	96	94	
890-3163-5	S-9A	92	96	
890-3163-6	S-10A	91	94	
890-3163-7	S-11A	83	88	
890-3163-8	S-12A	87	87	
890-3163-9	S-13A	88	90	
890-3163-10	S-14A	93	92	
LCS 880-36322/2-A	Lab Control Sample	97	110	
LCSD 880-36322/3-A	Lab Control Sample Dup	98	110	
MB 880-36322/1-A	Method Blank	85	97	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

# Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid								Prep Type: 1	otal/NA
Analysis Batch: 36624								Prep Batch	
-	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		10/08/22 13:26	10/11/22 10:43	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/08/22 13:26	10/11/22 10:43	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/08/22 13:26	10/11/22 10:43	1

### Lab Sample ID: LCS 880-36450/1-A Matrix: Solid

# Analysis Batch: 36624

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08634		mg/Kg		86	70 - 130	
Toluene	0.100	0.08646		mg/Kg		86	70 - 130	
Ethylbenzene	0.100	0.08708		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1903		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.1090		mg/Kg		109	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

# Lab Sample ID: LCSD 880-36450/2-A

# Matrix: Solid

Analysis Batch: 36624							Prep	Batch:	36450
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09637		mg/Kg		96	70 - 130	11	35
Toluene	0.100	0.09772		mg/Kg		98	70 - 130	12	35
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.2381		mg/Kg		119	70 - 130	22	35
o-Xylene	0.100	0.1334	*+	mg/Kg		133	70 - 130	20	35
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	0.100 0.100 0.100 0.200	0.09637 0.09772 0.1077 0.2381		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	96 98 108 119	70 - 130 70 - 130 70 - 130 70 - 130	11 12 21 22	3 3 3 3

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

## Lab Sample ID: MB 880-36503/5-A Matrix: Solid

# Analysis Batch: 36501

Analysis Batch: 36501								Prep Batch	n: 36503
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		10/10/22 08:35	10/10/22 10:55	1
Toluene	0.001054	J	0.00200	0.000456	mg/Kg		10/10/22 08:35	10/10/22 10:55	1

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Prep Type: Total/NA

**Client Sample ID: Method Blank** 

5 6

7

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 36450

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1 Job ID: 890-3163-1

SDG: Lea County NM

### Method: 8021B - Volatile Organic Compounds (GC) (Continued) Lab Sample ID: MB 880-36503/5-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 36501 Prep Batch: 36503 MB MB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte < 0.000565 U 0.00200 0.000565 10/10/22 08:35 10/10/22 10:55 Ethylbenzene mg/Kg 1 m-Xylene & p-Xylene <0.00101 U 0.00400 0.00101 mg/Kg 10/10/22 08:35 10/10/22 10:55 1 0.00200 10/10/22 10:55 o-Xylene <0.000344 U 0.000344 mg/Kg 10/10/22 08:35 Xylenes, Total <0.00101 U 0.00400 0.00101 mg/Kg 10/10/22 08:35 10/10/22 10:55 MВ MB %Recovery Qualifier Limits Dil Fac Prepared Analvzed Surrogate 10/10/22 10:55 4-Bromofluorobenzene (Surr) 70 - 13010/10/22 08:35 98 1 1,4-Difluorobenzene (Surr) 86 70 - 130 10/10/22 08:35 10/10/22 10:55 1 Lab Sample ID: MB 880-36587/5-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA Analysis Batch: 36501 Prep Batch: 36587 МВ МВ Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 0.00200 0.000385 10/10/22 13:15 10/10/22 22:54 Benzene < 0.000385 U mg/Kg 1 Toluene <0.000456 U 0.00200 0.000456 10/10/22 13:15 10/10/22 22:54 mg/Kg 1 Ethylbenzene <0.000565 U 0.00200 0.000565 mg/Kg 10/10/22 13:15 10/10/22 22:54 10/10/22 13:15 10/10/22 22:54 m-Xylene & p-Xylene <0.00101 U 0.00400 0.00101 mg/Kg 1 o-Xylene <0.000344 U 0.00200 0.000344 mg/Kg 10/10/22 13:15 10/10/22 22:54 1 <0.00101 U 0.00400 10/10/22 22:54 Xylenes, Total 0.00101 mg/Kg 10/10/22 13:15 1 MB MB Qualifier Limits Prepared Analyzed Dil Fac Surrogate %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 105 10/10/22 13:15 10/10/22 22:54 70 - 13010/10/22 13:15 10/10/22 22:54 1,4-Difluorobenzene (Surr) 84 1 Lab Sample ID: LCS 880-36587/1-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 36501 Prep Batch: 36587 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.09350 mg/Kg 93 70 - 130 Toluene 0.100 0.1003 mg/Kg 100 70 - 130 Ethylbenzene 0.100 0.09771 98 70 - 130 mg/Kg m-Xylene & p-Xylene 0.200 0.2053 mg/Kg 103 70 - 130 0.100 70 - 130 o-Xylene 0.1046 mg/Kg 105 LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 93 1,4-Difluorobenzene (Surr) 94 70 - 130 Lab Sample ID: LCSD 880-36587/2-A Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA Analysis Batch: 36501 Prep Batch: 36587 LCSD LCSD RPD Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.100 0.09306 mg/Kg 93 70 - 130 0 35 mg/Kg Toluene 0.100 0.09756 98 70 - 130 3 35 Ethylbenzene 0.100 0.09462 mg/Kg 95 70 - 130 3 35

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Client: Talon/LPE Project/Site: Kemnitz South AFL State 1 Job ID: 890-3163-1 SDG: Lea County NM

# Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-3658	// <b>Z-A</b>					Clier	nt San	ipie iD:	Lab Contro		
Matrix: Solid										ype: To	
Analysis Batch: 36501			0.11							Batch:	
Analyta			Spike Added		LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte m-Xylene & p-Xylene			0.200	0.1987	Quaimer	mg/Kg		99	70 - 130	3	35
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130	3	35
,						5 5					
- · · ·		LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								
Lab Sample ID: 890-3163-1 MS									Client Sa	mple ID	: S-1A
Matrix: Solid									Prep T	· ype: To	tal/NA
Analysis Batch: 36501										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.000387	U F1 F2	0.0998	0.01619	F1	mg/Kg		16	70 - 130		
Toluene	0.000793	J F1 F2	0.0998	0.02961	F1	mg/Kg		29	70 - 130		
Ethylbenzene	<0.000567	U F1 F2	0.0998	0.03554	F1	mg/Kg		36	70 - 130		
m-Xylene & p-Xylene	<0.00101	U F1 F2	0.200	0.04898	F1	mg/Kg		25	70 - 130		
o-Xylene	<0.000345	U F1 F2	0.0998	0.02925	F1	mg/Kg		29	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	72		70 - 130								
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130								
Lab Sample ID: 890-3163-1 MSE	<b>`</b>								Client Sa	molo ID	S-1A
Matrix: Solid	, ,									ype: To	
Analysis Batch: 36501										Batch:	
Analysis Daton. 50001	Sample	Sample	Spike	MSD	MSD				%Rec	Daten.	RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.000387	U F1 F2	0.0996	0.03750	F1 F2	mg/Kg		38	70 - 130	79	35

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000387	U F1 F2	0.0996	0.03750	F1 F2	mg/Kg		38	70 - 130	79	35
Toluene	0.000793	J F1 F2	0.0996	0.05387	F1 F2	mg/Kg		53	70 - 130	58	35
Ethylbenzene	<0.000567	U F1 F2	0.0996	0.05853	F1 F2	mg/Kg		59	70 - 130	49	35
m-Xylene & p-Xylene	<0.00101	U F1 F2	0.199	0.1308	F1 F2	mg/Kg		66	70 - 130	91	35
o-Xylene	<0.000345	U F1 F2	0.0996	0.06767	F1 F2	mg/Kg		68	70 - 130	79	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

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

Lab Sample ID: MB 880-36322/1-A Matrix: Solid Analysis Batch: 36315							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	otal/NA
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 09:54	1
Diesel Range Organics (Over C10-C28)	17.24	J	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 09:54	1
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		10/07/22 07:42	10/07/22 09:54	1

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Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

Lab Sample ID: LCS 880-36322/2-A

Lab Sample ID: LCSD 880-36322/3-A

Surrogate

o-Terphenyl

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

1-Chlorooctane

Matrix: Solid

Analysis Batch: 36315

Gasoline Range Organics (GRO)-C6-C10

**Diesel Range Organics (Over** 

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

	MB	MB									
%Rec	overy	Qualifier	Limits				P	repared	Analyzed	Dil Fac	
	85		70 - 130	-			10/0	7/22 07:42	10/07/22 09:54	1	
	97		70 - 130				10/0	7/22 07:42	10/07/22 09:54	1	5
2-A							Client	Sample	ID: Lab Control Prep Type: <sup>-</sup>		
									Prep Batcl		7
			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		8
			1000	920.4		mg/Kg		92	70 - 130		
			1000	985.5		mg/Kg		99	70 - 130		9
LCS	LCS										
%Recovery	v Qua	lifier	Limits								
97			70 - 130								
110	)		70 - 130								
2/3-A						Clie	ent Sam	ple ID: L	ab Control Sam		
									Prep Type:		13
									Prep Batc	h: <b>36322</b>	
			Spike	LCSD	LCSD				%Rec	RPD	

Analysis Batch: 36315								Prep	Batch:	36322
		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics		1000	992.9		mg/Kg		99	70 - 130	8	20
(GRO)-C6-C10										
Diesel Range Organics (Over		1000	982.2		mg/Kg		98	70 - 130	0	20
C10-C28)										
	LCSD LCSD									

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	110		70 - 130

# Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36394/1-A Matrix: Solid											Client S	ample ID: Prep	Method Type: S	
Analysis Batch: 36739	МВ	мв												
Analyte		Qualifier		RL		MDL	Unit		D	Pr	epared	Analyz	zed	Dil Fac
Chloride	<0.395	U		5.00	(	).395	mg/Kg					10/11/22	20:54	1
Lab Sample ID: LCS 880-36394/2-A									Clie	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid													Type: S	
Analysis Batch: 36739														
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	lifier	Unit		D	%Rec	Limits		
Chloride			250		258.9			mg/Kg			104	90 - 110		
Lab Sample ID: LCSD 880-36394/3-A								CI	ient S	am	ple ID:	Lab Contro	ol Samp	le Dup
Matrix: Solid												Prep	Type: S	oluble
Analysis Batch: 36739														
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	lifier	Unit		D	%Rec	Limits	RPD	Limit
Chloride			250		269.0			mg/Kg			108	90 - 110	4	20

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Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1 SDG: Lea County NM

# Method: 300.0 - Anions, Ion Chromatography

Sample	Sample	Spike	MS	MS				%Rec			
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
241	F1	249	489.4		mg/Kg		100	90 - 110			
								Client San	nple ID:	S-11A	
								Prep	Type: So	oluble	
Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
241	F1	249	520.0	F1	mg/Kg		112	90 _ 110	6	20	
											ļ
	Result 241 Sample Result	SampleSampleResultQualifier241F1SampleSampleResultQualifier241F1	ResultQualifierAdded241F1249SampleSampleSpikeResultQualifierAdded	ResultQualifierAddedResult241F1249489.4SampleSampleSpikeMSDResultQualifierAddedResult	ResultQualifierAddedResultQualifier241F1249489.4489.4SampleSampleSpikeMSDResultQualifierAddedResultQualifier	ResultQualifierAddedResultQualifierUnit241F1249489.4QualifierImage: Microsoft of the second of the sec	Result 241Qualifier F1Added 249Result 489.4Qualifier mg/KgUnit mg/KgDSample Result QualifierSpike AddedMSD 	Result 241QualifierAdded F1Result 249QualifierUnit mg/KgD%Rec 100Sample Result QualifierSpike AddedMSD Result QualifierMSD QualifierD%Rec UnitDSample ResultSpike QualifierMSD ResultMSD QualifierD%Rec UnitD	Sample   Sample   Spike   MS   MS   MS   MS   MRec   MRec   MRec   Limits   MRec   MR	Sample   Spike   MS   MS   MS   D   %Rec   Limits   D     Result   Qualifier   Added   Result   Qualifier   Unit   D   %Rec   Limits	Result   Qualifier   Added   Result   Qualifier   Unit   D   %Rec   Limits     241   F1   249   489.4   mg/Kg   D   %Rec   Limits   90 - 110     Client Sample ID: S-11A Prep Type: Soluble     Sample   Sample   Spike   MSD   MSD   %Rec   RPD     Result   Qualifier   Unit   D   %Rec   RPD   Limits

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# **QC Association Summary**

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

GC VOA

# Prep Batch: 36450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-10	S-14A	Total/NA	Solid	5035	
MB 880-36450/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36450/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36450/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

### Analysis Batch: 36501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8021B	36587
890-3163-2	S-2A	Total/NA	Solid	8021B	36587
890-3163-3	S-3A	Total/NA	Solid	8021B	36587
890-3163-4	S-8A	Total/NA	Solid	8021B	36587
890-3163-5	S-9A	Total/NA	Solid	8021B	36587
890-3163-6	S-10A	Total/NA	Solid	8021B	36587
890-3163-7	S-11A	Total/NA	Solid	8021B	36587
890-3163-8	S-12A	Total/NA	Solid	8021B	36587
890-3163-9	S-13A	Total/NA	Solid	8021B	36587
MB 880-36503/5-A	Method Blank	Total/NA	Solid	8021B	36503
MB 880-36587/5-A	Method Blank	Total/NA	Solid	8021B	36587
LCS 880-36587/1-A	Lab Control Sample	Total/NA	Solid	8021B	36587
LCSD 880-36587/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36587
890-3163-1 MS	S-1A	Total/NA	Solid	8021B	36587
890-3163-1 MSD	S-1A	Total/NA	Solid	8021B	36587

# Prep Batch: 36503

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-36503/5-A	Method Blank	Total/NA	Solid	5035	

# Prep Batch: 36587

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	5035	
890-3163-2	S-2A	Total/NA	Solid	5035	
890-3163-3	S-3A	Total/NA	Solid	5035	
890-3163-4	S-8A	Total/NA	Solid	5035	
890-3163-5	S-9A	Total/NA	Solid	5035	
890-3163-6	S-10A	Total/NA	Solid	5035	
890-3163-7	S-11A	Total/NA	Solid	5035	
890-3163-8	S-12A	Total/NA	Solid	5035	
890-3163-9	S-13A	Total/NA	Solid	5035	
MB 880-36587/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36587/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36587/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3163-1 MS	S-1A	Total/NA	Solid	5035	
890-3163-1 MSD	S-1A	Total/NA	Solid	5035	

# Analysis Batch: 36624

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3163-10	S-14A	Total/NA	Solid	8021B	36450
MB 880-36450/5-A	Method Blank	Total/NA	Solid	8021B	36450
LCS 880-36450/1-/	A Lab Control Sample	Total/NA	Solid	8021B	36450
LCSD 880-36450/2	2-A Lab Control Sample Dup	Total/NA	Solid	8021B	36450

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Job ID: 890-3163-1

SDG: Lea County NM

# **QC Association Summary**

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163-1 SDG: Lea County NM

# **GC VOA**

# Analysis Batch: 36642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	Total BTEX	
890-3163-2	S-2A	Total/NA	Solid	Total BTEX	
890-3163-3	S-3A	Total/NA	Solid	Total BTEX	
890-3163-4	S-8A	Total/NA	Solid	Total BTEX	
890-3163-5	S-9A	Total/NA	Solid	Total BTEX	
890-3163-6	S-10A	Total/NA	Solid	Total BTEX	
890-3163-7	S-11A	Total/NA	Solid	Total BTEX	
890-3163-8	S-12A	Total/NA	Solid	Total BTEX	
890-3163-9	S-13A	Total/NA	Solid	Total BTEX	
890-3163-10	S-14A	Total/NA	Solid	Total BTEX	

# GC Semi VOA

# Analysis Batch: 36315

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8015B NM	36322
890-3163-2	S-2A	Total/NA	Solid	8015B NM	36322
890-3163-3	S-3A	Total/NA	Solid	8015B NM	36322
890-3163-4	S-8A	Total/NA	Solid	8015B NM	36322
890-3163-5	S-9A	Total/NA	Solid	8015B NM	36322
890-3163-6	S-10A	Total/NA	Solid	8015B NM	36322
890-3163-7	S-11A	Total/NA	Solid	8015B NM	36322
890-3163-8	S-12A	Total/NA	Solid	8015B NM	36322
890-3163-9	S-13A	Total/NA	Solid	8015B NM	36322
890-3163-10	S-14A	Total/NA	Solid	8015B NM	36322
MB 880-36322/1-A	Method Blank	Total/NA	Solid	8015B NM	36322
LCS 880-36322/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36322
LCSD 880-36322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36322

# Prep Batch: 36322

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8015NM Prep	
890-3163-2	S-2A	Total/NA	Solid	8015NM Prep	
890-3163-3	S-3A	Total/NA	Solid	8015NM Prep	
890-3163-4	S-8A	Total/NA	Solid	8015NM Prep	
890-3163-5	S-9A	Total/NA	Solid	8015NM Prep	
890-3163-6	S-10A	Total/NA	Solid	8015NM Prep	
890-3163-7	S-11A	Total/NA	Solid	8015NM Prep	
890-3163-8	S-12A	Total/NA	Solid	8015NM Prep	
890-3163-9	S-13A	Total/NA	Solid	8015NM Prep	
890-3163-10	S-14A	Total/NA	Solid	8015NM Prep	
MB 880-36322/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36322/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36322/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

# Analysis Batch: 36583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Total/NA	Solid	8015 NM	
890-3163-2	S-2A	Total/NA	Solid	8015 NM	
890-3163-3	S-3A	Total/NA	Solid	8015 NM	
890-3163-4	S-8A	Total/NA	Solid	8015 NM	

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# **QC Association Summary**

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

# GC Semi VOA (Continued)

# Analysis Batch: 36583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-5	S-9A	Total/NA	Solid	8015 NM	
890-3163-6	S-10A	Total/NA	Solid	8015 NM	
890-3163-7	S-11A	Total/NA	Solid	8015 NM	
890-3163-8	S-12A	Total/NA	Solid	8015 NM	
890-3163-9	S-13A	Total/NA	Solid	8015 NM	
890-3163-10	S-14A	Total/NA	Solid	8015 NM	

# HPLC/IC

# Leach Batch: 36394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Soluble	Solid	DI Leach	
890-3163-2	S-2A	Soluble	Solid	DI Leach	
890-3163-3	S-3A	Soluble	Solid	DI Leach	
890-3163-4	S-8A	Soluble	Solid	DI Leach	
890-3163-5	S-9A	Soluble	Solid	DI Leach	
890-3163-6	S-10A	Soluble	Solid	DI Leach	
890-3163-7	S-11A	Soluble	Solid	DI Leach	
890-3163-8	S-12A	Soluble	Solid	DI Leach	
890-3163-9	S-13A	Soluble	Solid	DI Leach	
890-3163-10	S-14A	Soluble	Solid	DI Leach	
MB 880-36394/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36394/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36394/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3163-7 MS	S-11A	Soluble	Solid	DI Leach	
890-3163-7 MSD	S-11A	Soluble	Solid	DI Leach	

# Analysis Batch: 36739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3163-1	S-1A	Soluble	Solid	300.0	36394
890-3163-2	S-2A	Soluble	Solid	300.0	36394
890-3163-3	S-3A	Soluble	Solid	300.0	36394
890-3163-4	S-8A	Soluble	Solid	300.0	36394
890-3163-5	S-9A	Soluble	Solid	300.0	36394
890-3163-6	S-10A	Soluble	Solid	300.0	36394
890-3163-7	S-11A	Soluble	Solid	300.0	36394
890-3163-8	S-12A	Soluble	Solid	300.0	36394
890-3163-9	S-13A	Soluble	Solid	300.0	36394
890-3163-10	S-14A	Soluble	Solid	300.0	36394
MB 880-36394/1-A	Method Blank	Soluble	Solid	300.0	36394
LCS 880-36394/2-A	Lab Control Sample	Soluble	Solid	300.0	36394
LCSD 880-36394/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36394
890-3163-7 MS	S-11A	Soluble	Solid	300.0	36394
890-3163-7 MSD	S-11A	Soluble	Solid	300.0	36394

Job ID: 890-3163-1

SDG: Lea County NM

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Job ID: 890-3163-1 SDG: Lea County NM

# Lab Sample ID: 890-3163-1 Matrix: Solid

Date Collected: 10/06/22 07:00 Date Received: 10/06/22 10:03

**Client Sample ID: S-1A** 

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/10/22 23:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 15:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 21:43	СН	EET MID

# **Client Sample ID: S-2A**

# Date Collected: 10/06/22 07:05

Date Received: 10/06/22 10:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/10/22 23:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 21:59	СН	EET MID

# **Client Sample ID: S-3A**

# Date Collected: 10/06/22 07:10

Date Received: 10/06/22 10:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/10/22 23:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 16:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:04	СН	EET MID

# **Client Sample ID: S-8A** Date Collected: 10/06/22 07:15 Date Received: 10/06/22 10:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 00:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID

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Lab Sample ID: 890-3163-2

Matrix: Solid

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# Lab Sample ID: 890-3163-3

Lab Sample ID: 890-3163-4

# Matrix: Solid

Released to Imaging: 1/4/2023 2:35:09 PM

Matrix: Solid

Job ID: 890-3163-1 SDG: Lea County NM

# Lab Sample ID: 890-3163-4 Matrix: Solid

Lab Sample ID: 890-3163-5

Date Collected: 10/06/22 07:15 Date Received: 10/06/22 10:03

**Client Sample ID: S-8A** 

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 16:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:10	СН	EET MID

# Client Sample ID: S-9A Date Collected: 10/06/22 07:20 Date Received: 10/06/22 10:03

### Batch Batch Dil Initial Final Batch Prepared Method Amount Amount Number Prep Type Туре Run Factor or Analyzed Analyst Lab Prep Total/NA 5035 5.01 g 5 mL 36587 10/10/22 13:15 MNR EET MID Total/NA Analysis 8021B 5 mL 5 mL 36501 10/11/22 00:38 EET MID AJ 1 Total/NA Analysis Total BTEX 1 36642 10/11/22 09:03 AJ EET MID Total/NA 8015 NM 36583 10/10/22 12:14 SM EET MID Analysis 1 Total/NA Prep 8015NM Prep 10.03 g 10 mL 36322 10/07/22 07:42 DM EET MID Total/NA 8015B NM 1 uL 36315 10/07/22 17:16 SM EET MID Analysis 1 uL 1 Soluble Leach **DI Leach** 5 g 50 mL 36394 10/07/22 15:14 СН EET MID Soluble Analysis 300.0 36739 10/11/22 22:15 СН EET MID 1

# **Client Sample ID: S-10A**

Date Collected: 10/06/22 07:25 Date Received: 10/06/22 10:03

Batch Batch Dil Initial Final Batch Prepared Ргер Туре Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 36587 10/10/22 13:15 MNR EET MID Total/NA 8021B 5 mL 5 mL 36501 10/11/22 00:59 Analysis AJ EET MID 1 10/11/22 09:03 Total/NA Analysis Total BTEX 1 36642 AJ EET MID Total/NA Analysis 8015 NM 36583 10/10/22 12:14 SM EET MID 1 Total/NA Prep 8015NM Prep 10.01 g 10 mL 36322 10/07/22 07:42 DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 36315 10/07/22 17:38 SM EET MID 1 Soluble Leach DI Leach 5 g 50 mL 36394 10/07/22 15:14 СН EET MID Soluble Analysis 300.0 36739 10/11/22 22:21 СН EET MID 1

# Client Sample ID: S-11A Date Collected: 10/06/22 07:30

# Date Received: 10/06/22 10:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 01:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 17:59	SM	EET MID

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Lab Sample ID: 890-3163-6

Lab Sample ID: 890-3163-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

# Lab Chronicle

Job ID: 890-3163-1 SDG: Lea County NM

Lab Sample ID: 890-3163-7

Lab Sample ID: 890-3163-8

Lab Sample ID: 890-3163-9

# **Client Sample ID: S-11A** Date Collected: 10/06/22 07:30

Date Received: 10/06/22 10:03

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:26	СН	EET MID

# **Client Sample ID: S-12A**

Date Collected: 10/06/22 07:35 Date Received: 10/06/22 10:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 01:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:43	CH	EET MID

# **Client Sample ID: S-13A** Date Collected: 10/06/22 07:40

Date Received: 10/06/22 10:03

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36587	10/10/22 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36501	10/11/22 03:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 18:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 22:48	СН	EET MID

# **Client Sample ID: S-14A** Date Collected: 10/06/22 07:45 Date Received: 10/06/22 10:03

# Lab Sample ID: 890-3163-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36450	10/08/22 13:26	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36624	10/11/22 11:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36642	10/11/22 09:03	AJ	EET MID
Total/NA	Analysis	8015 NM		1			36583	10/10/22 12:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36322	10/07/22 07:42	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36315	10/07/22 19:04	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36394	10/07/22 15:14	СН	EET MID
Soluble	Analysis	300.0		1			36739	10/11/22 23:04	СН	EET MID

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Matrix: Solid

Matrix: Solid

Matrix: Solid

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# Lab Chronicle

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Job ID: 890-3163-1 SDG: Lea County NM

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Accreditation/Certification Summary

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		Accreditation/C	ertification Summary		
Client: Talon/LPE Project/Site: Kemnitz S	outh AFL State 1			Job ID: 890-3163-1 SDG: Lea County NM	2
Laboratory: Eurofi					
Unless otherwise noted, all a	analytes for this laboratory w	ere covered under each acc	reditation/certification below.		
Authority		rogram	Identification Number	Expiration Date	
Texas	Ν	ELAP	T104704400-22-24	06-30-23	5
		ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					11
					13
					14

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Job ID: 890-3163-1 SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

### Protocol References:

Client: Talon/LPE

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Released to Imaging: 1/4/2023 2:35:09 PM

# Sample Summary

Client: Talon/LPE Project/Site: Kemnitz South AFL State 1

Job ID: 890-3163	-1
SDG: Lea County N	IM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3163-1	S-1A	Solid	10/06/22 07:00	10/06/22 10:03	2
890-3163-2	S-2A	Solid	10/06/22 07:05	10/06/22 10:03	2
890-3163-3	S-3A	Solid	10/06/22 07:10	10/06/22 10:03	2
890-3163-4	S-8A	Solid	10/06/22 07:15	10/06/22 10:03	2
390-3163-5	S-9A	Solid	10/06/22 07:20	10/06/22 10:03	2
390-3163-6	S-10A	Solid	10/06/22 07:25	10/06/22 10:03	2
390-3163-7	S-11A	Solid	10/06/22 07:30	10/06/22 10:03	2
890-3163-8	S-12A	Solid	10/06/22 07:35	10/06/22 10:03	2
390-3163-9	S-13A	Solid	10/06/22 07:40	10/06/22 10:03	2
90-3163-10	S-14A	Solid	10/06/22 07:45	10/06/22 10:03	2

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Environment Testing     Water values provide provi				5. (j. 22 1003	is a	0.6		ρ	le l'up	Cia	P	Jung les	
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Page   omments fileIds   RRC   Preservativ Preservativ Preservativ Cool: Cool Cool: Cool HCL: HC H2S04: H2 H3PO4: HP H3PO4: HBIS NaHSO4: NABIS NaHSO4: NABIS NaACHARCO5 NaOH+Ascorbic A Sample Cc Email Re Rpons@talc Mgomez@tal	egotiated.	due to circumstances beyond the c ill be enforced unless previously n	curred by the client if such losses are enco, but not analyzed. These terms w	Eurofins Xe	losses or e ubmitted to	for any l sample su	any responsibilit ge of \$5 for each	hall not assume oject and a chan	of samples and s pplied to each pr	for the cost of .00 will be ap	o will be liable only t mum charge of \$85.	f service. Eurofins Xenc f Eurofins Xenco. A min	
ant Testing   Maiar, TX (42): 70-5440, San Avlooin, TX (210): 508-3354   Work Order NC:     Interview	1031/243.1/747077471 tions	assigns standard terms and condi	1 Cr Co Cu Pb Mn Mo Ni o, its affiliates and subcontractors. It	a Be Co Irofins Xenc	b As B	RA S	P 6010: 8RC	TCLP / SPL	ed samples constit	be analyze	nd Metal(s) to b	otice: Signature of this c	
Image: Instance Inviting Instance Inviting Instance Inviting Instance Inviting Instance Inviting Instance Inviting	SiO2 Na Sr TI Sn U V ZI	K Se	r Co Cu Fe	BeBO	As Ba	(0)	1 Texas 11	RA 13PPN	8RC	3020:	10 200.8 / 6	Total 200.7 / 60	
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Manager:     R Pons     Work Order No:       Environment Testing     Manager:     R Pons     Work Order No:       Simple T     Tage Bank     Company Name     Work Order Comments       Nume     Company Name     mux vence com     Page       Nume     Company Name     mux vence com     Page       Non     Trans the failer of run Around     Antesia     Non     Trans the failer of run Around     More Comments       Non     Company Name     Non     Trans the failer of run Around     More Comments       Non     Company Name     Non     Trans the failer of run Around     Non     Trans the failer of run Around     More Colspan= Colspan= Colspan="2"     Non     Non     Non     Non     Non     Non     Non     Non      Non <th col<="" td=""><td></td><td></td><td></td><td>×</td><td>-</td><td></td><td>COMP</td><td></td><td>10/6/2022</td><td></td><td>A</td><td>S-11</td></th>	<td></td> <td></td> <td></td> <td>×</td> <td>-</td> <td></td> <td>COMP</td> <td></td> <td>10/6/2022</td> <td></td> <td>A</td> <td>S-11</td>				×	-		COMP		10/6/2022		A	S-11
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Environment Testing     Maaaa, 17 (432) 70-5440, San Avtenio, 17 (210) 509-3334     Work Order No: Environments       Manager: my Name     R. Pons     Environment Talon LPE     Environment Bitto: (f efferent)     Environments     Monty (570) 382-7350, carbiad, MN (575) 982-7950, carbiad, MN (575) 982-7350, carbiad, MN (575) 982-7950, carbiad, MN (575) 982-7950, state 200     Work Order Comments       sazzi- my Name     Arlesis, MN 882-10     City, State 21P: 700438, 300.01     City, State 21P: 10 carbie     Monty (575) 982-7350, carbiad, MN (575) 982-7950, carbiad, MN (575) 982-7350, carbiad, MN (575) 982-7950, state of Project: State of Project:				×	-		COMF		10/6/2022	-		/6-S	
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Environment Testing     Manage: R. Pons     Work Order No:       Manage:     R. Pons     Bill to: (f different)     Company Name:     Company Name:     Work Order No:     Work Order Comments       ny Name     Talon LPE     Company Name:     Company Name:     Company Name:     Work Order No:     Work Order No:     Work Order No:     Work Order No:     Page     Work Order No:     No:     Work Order No:     No:     Work Order No:     No:     No:     No:     No:     No:     No:     No:     No:     N	Mgomez@talonlp			×	+		COMP		10/6/2022	-		S-3/	
Manager:     R. Pons     Work Order No:       Manager:     R. Pons     Bill b: (If different)     Work Order No:     Work Order No:       ss.     400 W. Tozds Are.     Company Name:     Company Name:     Mandet, TX (437) 985-343, Lubed, TX (698) 784-356     Work Order No:     Page     Manager:     No     Work Order No:     Work Order No: <td>Rpons@talonlpe</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>COMP</td> <td></td> <td>10/6/2022</td> <td>-</td> <td></td> <td>S-2/</td>	Rpons@talonlpe			×			COMP		10/6/2022	-		S-2/	
Marager Nanger Inv Name   R. Pons   Work Order No: EL Paso, TX (915) 595-343, Liboock, TX (906) 794-126 Hobbs, NM (575) 392-759, Cantoback, TX (906) 794-126   Work Order No: Inv Name   Work Order Comments   Page     ss   408 W. Texas Ave.   Adress: 575.746.8768   Ball to: (f different)   Inv Around   Adress: Adress   Mark (579) 392-759, Cantoback, TX (906) 794-126   Frogram: USTPST    PRP   Brownfield=    RRC    State of Project:   Recording: Level III    Level III    Level III    Level III    Level III    Level III    PSTUST    TRRP    Able:   State of Project:   Recording: Level III    Level III    Level III    Level III    PSTUST    TRRP    Able: Ves No   Nork Order Comments     Ves No   UL Bate:   1010/022   Inv Around   Project:   None NO     Ves No   Interperature Redor:   1-0   Parameters   None NO   Noles, Color Co	Email Results to:			×	-		COMP		10/6/2022	-		S-1/	
Environment Testing     Midaud. TX (423 704-5440, San Antonio, TX (210) 599-3334     Work Order No:       Manager:     R. Pons     Bill to: (n differen)     Bill to: (n differen)     Work Order State     Work Order Comments       sy Name     Talon LPE     Company Name:     Bill to: (n differen)     Company Name:     State of Project:     North Order Comments       sy Name     Talon LPE     Company Name:     Company Name:     Company Name:     State of Project:     State of Project:     North Order Comments       se callon     Level II     Due Date:     10/10/2022     Antry sis Recuest     Analy sis     None: NO     None: NO       Visit Name:     J. Games     Lat state the day received by a stop     Mone: NO     None: NO     None: NO       Visit Name     J. Games     In a suff mecived by 4.30m     Mameter     State of Custody     Preservath       State of Project:     Ves No     Ourseton Factor:     Octo Col     Col Col     Col Col       Visit Name     J. Games     It is and the day received by 4.30m     Mone: NO     None: NO     None: NO       State of Project:     Ves No <td>Sample Comme</td> <td></td> <td></td> <td>BTEX</td> <td></td> <td># of Cont</td> <td>Grab/ Comp</td> <td></td> <td></td> <td></td> <td>tification</td> <td>Sample Iden</td>	Sample Comme			BTEX		# of Cont	Grab/ Comp				tification	Sample Iden	
Environment Testing   Midand, TX (32) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     Manager:   R. Pons   Billito: (if different)   Hobbs, NM (575) 585-343, Lubbock, TX (806) 794-1286   Work Order Comments     my Name:   Talon LPE   Company Name:   Company Name:   Work Order Comments     s:   408 W. Texas Ave.   Address:   Address:   Address:   Program: UST/PST    PRP    Brownfields    RRC        s:   575.746.8768   Email:   Company Name:   State of Project:   Reporting: Level II    Level II    PSTUST    TRRP      None III    PSTUST    TRRP      None: NO     Number:   700438.300.01   Reoutine   Pres.   Address   Pres.   AnALYSIS REQUEST   Pres.   None: NO     Is Received Intact:   U. Carnes   In received by 4:30pt   Pres.   None: NO   Cool Cool Cool     Is Received Intact:   Ves. No   Ves. No   Wester   -0.5   No   B00.3163 Chain of Custody   NaIsO, MBIS     State of Project:   No   None: NO   Cool Cool   HSO, H2   HSO, H2   <					des		2	iperature:	Corrected Ten			otal Containers:	
Environment Testing Midland, TX (422) 704-5440, San Antonio, TX (210) 598-334 Work Order No: EL Paso, TX (915) 595-344. Lubbock, TX (909) 794-126   Manager: R. Pons Bill to: (if different) Hobbs, NM (573) 392-7550, Carlsbad, NM (575) 392-7550, Carlsbad, NM	Zn Acetate+NaUH: Zn	-					1.	leading:	Femperature F	NIA	Yes	Sample Custody Sea	
Environment Testing   Maland, TX (22) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     Manager:   R. Pons   EL Paso, TX (915) 595-3433, Luboock, TX (806) 794-1295   hubbs, NM (575) 985-3493, Luboock, TX (806) 794-1295   humbs, NM (575) 985-3493, Luboock, TX (806) 794-1295   hum xenco.com   Page     my Name:   Talon LPE   Company Name:   Company Name:   Company Name:   Nork Order Comments     s.   408 W. Texas Ave.   Address:   Address:   State of Project:   State of Project:   Reporting: Level III Devil II Devil II Devivel III Devil II Devivel III Devivel	Na <sub>2</sub> S <sub>2</sub> U <sub>3</sub> : NaSU <sub>3</sub>	Custody	890-3163 Chain of (			P	0.0		Correction Fac	NA	Yes	Cooler Custody Seal	
Manager:   R. Pons   Work Order No:     Manager:   R. Pons   www.xenco.com   Page     Manager:   R. Pons   Work Order No:     Manager:   R. Pons   www.xenco.com   Page     Manager:   R. Pons   Bill to: (ft different)   www.xenco.com   Page     S.   408 W. Texas Ave:   Company Name:   Company Name:   Mork Order Comments     sate of Project:   Properan: UST/PST   PRP   Brownfields    RRC        and city, state 1   Tum Around   Per   AnALYSIS REOUEST   Reporting: Level III    PST/UST    Dher.     Name:   Kemnitz South AFL State 1   Tum Around   Preservativ     Number:   700438.300.01   Date:   10/10/2022     TA tatas the day received by   High by fireewed by 4.30pm     UE RECEIPT   Totage Blank:   Vertintint day received by <th< td=""><td>NaHSO4: NABIS</td><td></td><td></td><td></td><td>_</td><td>Para</td><td>MUQX4</td><td>11</td><td>Thermometer</td><td>)<sup>N</sup></td><td>(Ye</td><td>samples Received In</td></th<>	NaHSO4: NABIS				_	Para	MUQX4	11	Thermometer	) <sup>N</sup>	(Ye	samples Received In	
Environment Testing   Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     EL Paso, TX (915) 595-3443, Lubbock, TX (806) 794-1295   EL Paso, TX (915) 595-3443, Lubbock, TX (806) 794-1295   www.xenco.com   Page     my Name:   Talon LPE   Company Name:   Company Name:   www.xenco.com   Page     s:   408 W. Texas Ave.   Address   Address   Program: UST/PST   PRP  Brownfields   RRC       state of Project:   Artesia, NM 88210   City, State ZIP:   State of Project:   Reporting: Level III   PST/UST   TRRP       Name:   Kemnitz South AFL State 1   Tum Around   Pres   Pres   Preservativ     Number:   700438.300.01   Ikoutine   Ikoutine   Ikoutine   Preservativ     Location:   Lea County, NM   Due Date:   10/10/2022   Mone: NO     Location:   Lea County, IM   Due Date:   10/10/2022   Mone: NO     He lab, if received by 4:30pm	H <sub>3</sub> PO <sub>4</sub> : HP				-	mete	$\sim$	Wet Ice:	No	Blank:	-	SAMPLE RECEI	
Environment Testing     Maland. TX (32) 704-5440, San Antonio, TX (210) 509-3334     Work Order No: EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1296       Manager:     R. Pons     Bill to: (If different)     Work Order Comments       my Name:     Talon LPE     Company Name:     Company Name:     Company Name:     Work Order Comments       s:     408 W. Texas Ave.     Address:     Company Name:     Address:     Program: UST/PST PRP Brownfields RRC []       ste ziP:     Artesia, NM 88210     City, State ZiP:     Address:     State of Project:       ste ziP:     Artesia, NM 88210     Email:     City, State ZiP:     State of Project:       vame:     Youth AFL State 1     Turn Around     Pres.     AnaLYSIS REQUEST       Voorda 3000.01     Exasts the day received by     Vone: NO     None: NO       J. Carnes     TAT starts the day received by     HUILIMUMUMUMUMUMUMUMUMUMUMUMUMUMUMUMUMUMU					+	ers	eu by 4. supin	ne lab, it receiv				90 #	
Environment Testing Xenco   Midland. TX (432) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     EL Paso. TX (915) 595-3443, Lubbook, TX (806) 794-1296   EL Paso. TX (915) 595-3443, Lubbook, TX (806) 794-1296   www.xenco.com   Page     Manager:   R. Pons   Bill to: (If different)   Work Order Science   Work Order Comments     s:   408 W. Texas Ave.   Bill to: (If different)   Work Order Science   Work Order Comments     s:   408 W. Texas Ave.   Address:   Madder Science   More of Project:   Nore Of Project:     s:   575.746.8768   Email:   City, State ZIP:   Address:   Reporting: Level III Clevel III Clevel III PST/UST Clevel III Clev							ay received by	AT starts the d	T	Carnes	J. (	Sampler's Name:	
Environment Testing   Miland, TX (422) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1286   EL Paso, TX (915) 585-343, Lubbock, TX (806) 794-1286   mww.xenco.com   Page     Manager:   R. Pons   Bill to: (If different)   Miland, TX (923) 704-5440, San Antonio, TX (806) 794-1286   Mww.xenco.com   Page     s:   Talon LPE   Company Name:   Company Name:   Work Order Comments     s:   408 W. Texas Ave.   Address:   Address:   Frogram: UST/PST PRP Brownfields RRC antonio:   Reporting: Level III PST/UST TRRP     ate ZIP:   Artesia, NM 88210   City, State ZIP:   Address:   Reporting: Level III PST/UST TRRP     state STA6. 8768   Email:   City, State ZIP:   AnALYSIS REQUEST   ADaPT Cother:     Number:   700438.300.01   Routine   Preservativ   None: NO	õ				-		10/10/2022	-		ounty, N	Lea C	Project Location:	
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Environment Testing   Midand, TX (432) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296   EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296   www.xenco.com   Page		Reporting: Level II Level III					ty, State ZIP:	0		8210	Artesia, NM 88	City, State ZIP:	
Environment Testing   Midand, TX (432) 704-5440, San Antonio, TX (210) 509-3334   Work Order No:     EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296   EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296   www.xenco.com   Page     R, Pons   Bill to: (If different)   Bill to: (If different)   Work Order Comments     Talon LPE   Company Name:   Company Name:   Program: UST/PST PRP Brownfields RRC		state of Project:					Idress:	Ac		Ave.	408 W. Texas	Address:	
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Environment Testing     Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334     Work Order No:       Xenco     EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296     Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199     www.xenco.com     Page	rder Comments	Work (					Il to: (if different)	Bi			R. Pons		
Environment Testing     Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334       Xenco     EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296       Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Page	www.xend											
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	er No:	Work Ord	nio, TX (210) 509-3334	D, San Anto	) 704-5440	TX (432)	Midland,	ing	ment Test	nvironr			

5

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14

# Login Sample Receipt Checklist

Client: Talon/LPE

# Login Number: 3163 List Number: 1

Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

14

Job Number: 890-3163-1 SDG Number: Lea County NM

List Source: Eurofins Midland

List Creation: 10/07/22 10:56 AM

# Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 3163 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



November 02, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 11/01/22 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	11/01/2022	Sampling Date:	10/31/2022
Reported:	11/02/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S 1 A 3.5' (H225129-01)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2022	ND	1.85	92.5	2.00	3.86	
Toluene*	<0.050	0.050	11/01/2022	ND	2.05	102	2.00	3.67	
Ethylbenzene*	<0.050	0.050	11/01/2022	ND	2.04	102	2.00	6.08	
Total Xylenes*	<0.150	0.150	11/01/2022	ND	6.19	103	6.00	6.62	
Total BTEX	<0.300	0.300	11/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/01/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	196	98.2	200	2.98	
DRO >C10-C28*	60.1	10.0	11/02/2022	ND	192	96.2	200	4.92	
EXT DRO >C28-C36	30.7	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	83.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.0	% 46.3-17	0						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Received by OCD: 11/30/2022 3:23:40 PM



Page 4 of 4

Page 95 of 146

aboratories



October 26, 2022

REBECCA PONS TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 10/24/22 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 1A 2.5' (H224986-01)

BTEX 8260B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					
Surrogate: Dibromofluoromethane	104	83.7-11	4						
Surrogate: Toluene-d8	100 9	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	105	% 50.9-15	0						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	421	50.0	10/25/2022	ND	207	104	200	0.483	QM-07, QR-03
EXT DRO >C28-C36	179	50.0	10/25/2022	ND					
Surrogate: 1-Chlorooctane	79.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 2A 2.5' (H224986-02)

BTEX 8260B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					
Surrogate: Dibromofluoromethane	99.4	% 83.7-11	4						
Surrogate: Toluene-d8	98.4	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	103	50.9-15	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	207	104	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					
Surrogate: 1-Chlorooctane	95.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

### **Cardinal Laboratories**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 3A 2.5' (H224986-03)

BTEX 8260B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					
Surrogate: Dibromofluoromethane	97.6	% 83.7-11	4						
Surrogate: Toluene-d8	99.0	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	102	% 50.9-15	0						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	ND	416	104	400	0.00	
TPH 8015M	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	61.0	10.0	10/25/2022	ND	207	104	200	0.483	
EXT DRO >C28-C36	70.7	10.0	10/25/2022	ND					
Surrogate: 1-Chlorooctane	90.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.9	% 46.3-17	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 8A 2.5' (H224986-04)

BTEX 8260B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					
Surrogate: Dibromofluoromethane	97.0	% 83.7-11	4						
Surrogate: Toluene-d8	98.1	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	101	% 50.9-15	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	204	102	200	1.22	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	207	104	200	0.483	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					
Surrogate: 1-Chlorooctane	83.3	% 45.3-16	1						

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### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 9A 2.5' (H224986-05)

BTEX 8260B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					
Surrogate: Dibromofluoromethane	97.5	% 83.7-11	4						
Surrogate: Toluene-d8	97.9	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	101	% 50.9-15	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/25/2022	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	206	103	200	0.241	
DRO >C10-C28*	19.2	10.0	10/25/2022	ND	216	108	200	4.44	
EXT DRO >C28-C36	23.7	10.0	10/25/2022	ND					
Surrogate: 1-Chlorooctane	92.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.9	% 46.3-17	8						

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 10A 2.5' (H224986-06)

mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
<0.150	0.150	10/26/2022	ND					
103 9	83.7-11	4						
102 9	% 95.3-10	7						
102 9	50.9-15	0						
mg/	′kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
368	16.0	10/25/2022	ND	432	108	400	3.64	
mg/	′kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/25/2022	ND	206	103	200	0.241	
18.7	10.0	10/25/2022	ND	216	108	200	4.44	
11.5	10.0	10/25/2022	ND					
97.2	% 45.3-16	1						
102 9	46.3-17	8						
	Result <0.025 <0.025 <0.025 <0.075 <0.150 102 9 102 9 102 9 102 9 Result <b>368</b> mg/ Result <10.0 <b>18.7</b> <b>11.5</b> <i>97.2</i>	Result     Reporting Limit       <0.025	Result   Reporting Limit   Analyzed     <0.025	Result     Reporting Limit     Analyzed     Method Blank       <0.025	Result     Reporting Limit     Analyzed     Method Blank     BS       <0.025	Result     Reporting Limit     Analyzed     Method Blank     BS     % Recovery       <0.025	Result     Reporting Limit     Analyzed     Method Blank     BS     % Recovery     True Value QC       <0.025	Result     Reporting Limit     Analyzed     Method Blank     BS     % Recovery     True Value QC     RPD       <0.025

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	10/24/2022	Sampling Date:	10/24/2022
Reported:	10/26/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 11A 2.5' (H224986-07)

BTEX 8260B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	10/26/2022	ND	0.489	97.7	0.500	1.14	
Toluene*	<0.025	0.025	10/26/2022	ND	0.490	98.1	0.500	1.99	
Ethylbenzene*	<0.025	0.025	10/26/2022	ND	0.501	100	0.500	4.18	
Total Xylenes*	<0.075	0.075	10/26/2022	ND	1.53	102	1.50	2.31	
Total BTEX	<0.150	0.150	10/26/2022	ND					
Surrogate: Dibromofluoromethane	103	83.7-11	4						
Surrogate: Toluene-d8	103	% 95.3-10	7						
Surrogate: 4-Bromofluorobenzene	102	50.9-15	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/25/2022	ND	432	108	400	3.64	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	206	103	200	0.241	
DRO >C10-C28*	33.1	10.0	10/25/2022	ND	216	108	200	4.44	
EXT DRO >C28-C36	59.5	10.0	10/25/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100 \$	% 46.3-17	0						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

erbal c	Time:   Time:   Time:   Time:   Tumaround Time:   Standard   Bacteria     Delivered By:   (Circle One)   Observed Temp. °C   3.3   Sample Condition   CHECKED BY:   Tumaround Time:   Standard   Bacteria     Sampler - UPS - Bus - Other:   Corrected Temp. °C   12.7   Ves   Yes   Correction Factor -0.9°C   12.0   Inter     Sampler - UPS - Bus - Other:   Corrected Temp. °C   12.7   INO   No   No   To   Correction Factor -0.9°C   12.0   INC	Time: LO Received By:	y claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the eemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable eemed walved unless interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of profils incurred by client, its subsidiarities, without limitston, business interruptions, loss of use, or loss of use, or loss of use and the subsidiarities interruptions in the subsidiarities interruptions interruptions in the subsidiarities interruptions in the sub	122220	CCC CCC CCC CCC CCC CCC CCC CCC	t Pont	Phone #: STS - UUI - DG 70 Fax #:     Project #:   70 0 4 3 g • 30 6 10 Project Owner:   R Power:   R Power:   City:     Project Name:   /( Em 11 H - Z Sulute AFL STA+ / State:   State:   Zip:     Project Location:   Project Location:   Phone #:	State: Zip: Attn	John BILL TO PICK	ANAI YSIS	Laboratories
dinallabSnm.com	andard □ Bacteria (only) Sample Condition Sh □ Cool Intact Observed Temp. °C □ Yes □ Yes □ No □ No Corrected Temp. °C	□ No AddTi Pinone #: ase provide Email address:								ANALYSIS REQUEST	



October 03, 2022

REBECCA PONS TALON LPE 408 W. TEXAS AVE. ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/28/22 16:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

## Sample ID: S - 1 A 2' (H224523-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/30/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	216	108	200	3.32	
DRO >C10-C28*	195	10.0	09/30/2022	ND	207	104	200	5.24	
EXT DRO >C28-C36	82.3	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	133	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 2 A 2' (H224523-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/30/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	216	108	200	3.32	
DRO >C10-C28*	275	10.0	09/30/2022	ND	207	104	200	5.24	
EXT DRO >C28-C36	158	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	88.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	120	% 46.3-17	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 3 A 2' (H224523-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/30/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	445	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	176	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	96.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 8 A 2' (H224523-04)

BTEX 8021B	mg	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/30/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	667	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	327	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	92.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	122	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 9 A 2' (H224523-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	56.8	10.0	10/01/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	12.8	10.0	10/01/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 10 A 2' (H224523-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	2.15	
Toluene*	<0.050	0.050	10/01/2022	ND	1.97	98.3	2.00	3.14	
Ethylbenzene*	<0.050	0.050	10/01/2022	ND	1.95	97.6	2.00	2.66	
Total Xylenes*	<0.150	0.150	10/01/2022	ND	5.92	98.7	6.00	3.03	
Total BTEX	<0.300	0.300	10/01/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	14.7	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	86.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 11 A 2' (H224523-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	40.0	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	89.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 12 A 2' (H224523-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	25.9	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	82.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 13 A 2' (H224523-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	163	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	64.5	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	74.1	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	87.0	% 46.3-17	'8						

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Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 14 A 2' (H224523-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	137	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	76.3	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	72.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.2	% 46.3-17	0						

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Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 15 A 2' (H224523-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	49.5	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	18.3	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	76.5	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	88.2	% 46.3-17	8						

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Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 16 A 2' (H224523-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	12.5	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	71.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.3	% 46.3-17	8						

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TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 17 A 2' (H224523-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	47.0	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	14.5	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	76.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.3	% 46.3-17	0						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 18 A 2' (H224523-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	15.0	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	80.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.0	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 19 A 2' (H224523-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	39.9	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	71.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.7	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 20 A 2' (H224523-16)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	14.4	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	75.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.4	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 21 A 2' (H224523-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	36.3	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	73.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.1	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/28/2022	Sampling Date:	09/28/2022
Reported:	10/03/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	** (See Notes)
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: S - 22 A 2' (H224523-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2022	ND	1.85	92.7	2.00	9.15	
Toluene*	<0.050	0.050	10/02/2022	ND	1.86	93.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	10/02/2022	ND	1.84	91.8	2.00	9.62	
Total Xylenes*	<0.150	0.150	10/02/2022	ND	5.58	93.1	6.00	9.89	
Total BTEX	<0.300	0.300	10/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2022	ND	178	89.1	200	1.43	
DRO >C10-C28*	38.3	10.0	09/30/2022	ND	160	80.1	200	0.979	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					
Surrogate: 1-Chlorooctane	75.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.1	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	t Cardinal cannot accept verbal changes. Please email comment	PORM-000
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

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Sampler - Ur C	PLEASE NOTE: Liability and Damages. Cardinat's liability and clerint's analyses. All claims including those for negligence and any other cause serviceIn no event shall Cardinal be liable for incidental or consequence antiliates or successors arising out of or related to the performance of the antiliates or successors arising out of or related to the performance of the Refinquished By: Delivered By: (Circle One) Delivered By: (Circle One)	101     East Marland, Hobbs, NM 88240       101     East Marland, Hobbs, NM 88240       10575)     393-2326       Project Manager:     101       Project Manager:     108       W     108       Project Manager:     108       Project Manager:     108       Project Manager:     108       W     101       Project Manager:     108       Project Manager:     108       W     108       Project Manager:     108       W     108       W     108       Sampler Name:     108       W     109       Project Location:     104       Sampler Name:     104	CARDINAL
+ Cardinal cannot accept verbal changes. Please email changes	PEASE NOTE: Lability and Damages. Cardinal's lability and diverse strail to deemed valued unless made in writing and vectors of use, or loss of pradis incurred by clieft. Its survey and unless of use, or loss of pradis incurred by clieft. Its survey and unless of use, or loss of pradis incurred by clieft. Its survey and unless of use, or loss of pradis incurred by clieft. Its survey and unless of use, or loss of pradis incurred by clieft. Its survey and readers and any other cause whatever shall be deemed valued invitation, business interruptions, loss of use, or loss of pradis incurred by clieft. Its survey and readers are including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those tor negligence and any other cause whatever including those of use, or loss of pradis incurred by clieft. Its survey are including those tor negligence and any other cause whatever including thread uses and upon any of the above stated reasons.       Verbal Result:       Verbal Result:       Verbal Result:       Verbal Result:       Ne       Add'l Phone #:         anises or successors area of any other cause whatever of services in the anore state and any other cause whatever of service BY:       Integration of the above stated reasons of use, or loss of pradis incurred by clieft. Its survey is a real whatever of service BY:       Integration of the above stated reasons of use, or loss of the above stated reasonse of use anoreal by clieft. Its survey is a real whatev	ANALYSIS	IES
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September 23, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEMNITZ SOUTH AFL STATE 1

Enclosed are the results of analyses for samples received by the laboratory on 09/21/22 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: SW - 1 (H224384-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.0	2.00	1.40	
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548	
Total BTEX	<0.300	0.300	09/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	64.0	16.0	09/22/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					
Surrogate: 1-Chlorooctane	99.0	45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	6 46.3-17	0						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: SW - 2 (H224384-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.0	2.00	1.40	
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548	
Total BTEX	<0.300	0.300	09/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/22/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					
Surrogate: 1-Chlorooctane	98.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: SW - 3 (H224384-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.0	2.00	1.40	
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548	
Total BTEX	<0.300	0.300	09/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					
Surrogate: 1-Chlorooctane	99.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE REBECCA PONS 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	09/21/2022	Sampling Date:	09/12/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	KEMNITZ SOUTH AFL STATE 1	Sampling Condition:	Cool & Intact
Project Number:	700438.300.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA CO NM		

### Sample ID: SW - 4 (H224384-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/22/2022	ND	1.98	99.0	2.00	1.40	
Toluene*	<0.050	0.050	09/22/2022	ND	1.92	95.9	2.00	0.382	
Ethylbenzene*	<0.050	0.050	09/22/2022	ND	1.88	93.8	2.00	0.783	
Total Xylenes*	<0.150	0.150	09/22/2022	ND	5.81	96.8	6.00	0.548	
Total BTEX	<0.300	0.300	09/22/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/22/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2022	ND	192	95.9	200	8.33	
DRO >C10-C28*	<10.0	10.0	09/22/2022	ND	206	103	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	09/22/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	% 46.3-17	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Received by OCD: 11/30/2022 3:23:40 PM



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**CARDINAL** Laboratories

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# Appendix V NMOCD C-141

Released to Imaging: 1/4/2023 2:35:09 PM

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	nAPP2224439131
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party EOG Resources, Inc.	OGRID 7377	
Contact Name Jeremy Haass	Contact Telephone 575-748-1471	
Contact email Jeremy_Haass@eogresources.com	Incident # <i>nAPP2224439131</i>	
Contact mailing address 104 S. 4th Street, Artesia, NM 88210		

# **Location of Release Source**

Latitude 32.87302

Site Name Kemnitz South AFL State #1	Site Type Well Pad
Date Release Discovered 9/1/2022	API# 30-025-31636

Unit Letter	Section	Township	Range	County
0	31	16S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: \_

# Nature and Volume of Release

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

Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls)				
Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls)				
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No				
Condensate	Volume Released (bbls)	Volume Recovered (bbls)				
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)				
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)				
Cause of Release Historical impacts were discovered during the decommissioning of the location. The environmental consultant contracted to investigate the area determined on 9/1/2022 based on impacted area footprint, that the release more than likely breached the reportable volume threshold.						

Page 2

Incident ID	
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🔽 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

# **Initial Response**

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

 $\checkmark$  The source of the release has been stopped.

 $\checkmark$  The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

 $\checkmark$  All free liquids and recoverable materials have been removed and managed appropriately.

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Jeremy Haass	Title: Sr. Safety & Environmental Specialist
Signature:Y H	Date: 9/1/2022
email: jeremy_haass@eogresources.com	Telephone: 575-748-1471
OCD Only	
Received by:	Date:

Incident IDnAPP2224439131District RPFacility IDApplication ID

# Site Assessment/Characterization

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

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

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

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

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

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

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Received by OCD: 11/30/2022 3:23:40 PM Form C-141 State of New Mexico			Page 139 of 146		
			Incident ID	nAPP2224439131	
Page 4	Oil Conservation Division		District RP		
			Facility ID		
			Application ID		
regulations all op public health or t failed to adequate addition, OCD ac and/or regulation Printed Name:	hat the information given above is true and complete to the berators are required to report and/or file certain release not he environment. The acceptance of a C-141 report by the C ely investigate and remediate contamination that pose a thro cceptance of a C-141 report does not relieve the operator of is. Jeremy Haass	ifications and perform co OCD does not relieve the eat to groundwater, surfa responsibility for compl	prrective actions for rele operator of liability sho ce water, human health iance with any other fec	ases which may endanger ould their operations have or the environment. In deral, state, or local laws	
OCD Only Received by:	Jocelyn Harimon	Date:1	1/30/2022		

Received by OCD: 11/30/2022 3:23:40 PM Form C-141 State of New Mexico

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	
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# **Remediation Plan**

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Title: Signature: Date: Telephone: \_\_\_\_\_ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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**Oil Conservation Division** 

	Page 141 0J 1	40
Incident ID	NAPP2224439131	
District RP		

Facility ID Application ID

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Jeremy Haass \_\_\_\_\_ Title: Sr. Safety & Enviromental Specialist Signature: \_\_\_\_\_Y H...... Date: 11/30/22 email: jeremy\_Haass@eogresources.com Telephone: 575-748-1471 **OCD Only** 11/30/2022 Jocelyn Harimon Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Title: Environmental Specialist A

## **Rebecca Pons**

From:	Jeremy Haass <jeremy_haass@eogresources.com></jeremy_haass@eogresources.com>
Sent:	Tuesday, September 6, 2022 10:21 AM
То:	Rebecca Pons
Subject:	FW: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

FYI

Jeremy Haass Safety & Environmental Specialist EOG Resources – Artesia Division 104 S. 4<sup>th</sup> Street Artesia, NM 88210 Office: (575) 748-4311 Fax: (575) 748-4131 Cell: (575) 513-9235 jeremy\_haass@eogresources.com



From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Tuesday, September 6, 2022 10:21 AM
To: Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>
Cc: Artesia Regulatory <Artesia\_Regulatory@eogresources.com>
Subject: FW: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

FYI

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, September 6, 2022 10:20 AM
To: Tina Huerta <<u>Tina\_Huerta@eogresources.com</u>>
Cc: Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@state.nm.us</u>>;
Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>
Subject: RE: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks, Jennifer Nobui From: Tina Huerta <<u>Tina\_Huerta@eogresources.com</u>>
Sent: Tuesday, September 6, 2022 10:18 AM
To: <u>mnaranjo@slo.state.nm.us</u>; <u>rmann@slo.state.nm.us</u>; Nobui, Jennifer, EMNRD <<u>Jennifer.Nobui@state.nm.us</u>>;
Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@state.nm.us</u>>; Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>;
Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>
Cc: Artesia S&E Spill Remediation <<u>Artesia\_S&E\_Spill\_Remediation@eogresources.com</u>>; Artesia Regulatory
<<u>Artesia\_Regulatory@eogresources.com</u>>
Subject: [EXTERNAL] Kemnitz South AFL State 1 (nAPP2224439131) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Kemnitz South AFL State 1 O-31-16S-34E Lea County, NM nAPP2224439131

Sampling will begin at 1:00 p.m. on Thursday, September 8, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina huerta@eogresources.com</u>





# Appendix VI

Seed Tag

egrass, Varie Seed, Variety N Trass, Bend Sed Mix	ty Not Stated lot Stated	% Mix 50.95% 24.39% 24.01% 0.00% 99.35% 0.63% 0.01%	Purity a 99.47% 98.63% 99.85% 99.35%	Lot #:	Mixtur 2599 Wt: 20.37 Dormant 0.00% 77.00% 21.00% 44.58%	Total Germ: 88.00% 98.00% 98.00% 77.00%	Test Da 7/2022 5/2022 5/2022 7/2022
<u>⊀op:</u>		0.01%			-		
Weed: None DM		ermit: 277 th Princ	Ba @ is, NM	agged into 20.367 bi Winds per 38101	1) 2.25 ac ulk pounds acre amd 2	re broadcaste Plant at 9.05 263 pounds (575) 762	ed bag 52 Per -4759

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:	
EOG RESOURCES INC	7377	
P.O. Box 2267	Action Number:	
Midland, TX 79702	162760	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	
CONDITIONS		

### Created Condition By

Closure Report Approved. jnobui

CONDITIONS

Action 162760

Condition

1/4/2023

Date