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April 1, 2025

Michael Buchanan

New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

RE: 2024 Annual Report

Rice Operating Company – EME SWD System EME H-20 SWD (1R427-87): UL H, Sec 20, T20S, R37E Application ID: pLWP0432754646, Incident ID: nAPP2109547013

Sent by E-mail

Mr. Buchanan:

This letter summarizes progress made over the past year pursuant to the NMOCD approved Corrective Action Plan for this site and the 2023 Annual Report approval from NMOCD received on February 28th, 2025 (Appendix, Exhibit 1). An active produced water disposal facility is operated at this location by Rice Operating Company (ROC). This project is located in the EME field approximately 4 miles south of Monument, New Mexico (Appendix, Figure 1). Over the course of 2024 we continued to monitor up and down-gradient monitor wells (Appendix, Figure 2) for chlorides and petroleum hydrocarbons (BTEX). A groundwater elevation and gradient map is given in Appendix, Figure 3, and the location of the site relative to a large, regional, up-gradient chloride plume is given in Appendix, Figure 4.

In brief:

Groundwater chlorides. Average annual groundwater chloride concentrations are given in the Appendix, Figure 5 and Table 1. The complete groundwater dataset is given in Table 3. Year average groundwater chloride concentrations in the near-source monitor well (MW-1) dropped slightly from 1,187 mg/l in 2023 to 1,123 mg/l in 2024. Year average groundwater chloride concentrations in the up-gradient monitor well (MW-2) was little changed at 783 mg/l in 2023 versus 795 mg/l in 2024. Year average groundwater chloride from 1,005 mg/l in 2023 to 944 mg/l in 2024. Year average groundwater chloride concentrations in the far down-gradient monitor well (MW-4) dropped from 1,105 mg/l in 2023 to 1,050 mg/l in 2024. The year average groundwater chloride concentration in the east side-gradient monitor well (MW-5) dropped slightly from 1,038 mg/l in 2023 to 1,015 mg/l in 2024. Groundwater chloride concentrations in the down and side-gradient wells thus

Rice Operating Company EME H-20 SWD Annual Report

continue to slowly, if unevenly, converge toward the prevailing upgradient values (roughly 900 to 1,000 mg/l).

Groundwater benzene. Average annual groundwater benzene concentrations are given in the Appendix, Figure 6 and Table 2. The complete groundwater dataset is given in Table 3. Year average groundwater benzene concentrations in the near-source monitor well (MW-1) increased from 0.0100 mg/l in 2023 to 0.0106 mg/l in 2024 but are still substantially less than their high values of over a decade. Year average benzene concentrations in the up-gradient monitor well (MW-2) have remained below the laboratory limit of detection of 0.001 mg/l from 2018 through 2024. The year average benzene concentration in the downgradient monitor well (MW-3) rose slightly from 0.0033 mg/l in 2023 to 0.0170 mg/l in 2024. The year average benzene concentration in the far down-gradient monitor well (MW-4) measured 0.0010 mg/l in 2024, up from below detection in 2023. Year average benzene concentrations in the east side gradient monitor well (MW-5) have remained below the laboratory limit of detection since 2011. Taken together, these data indicate that dissolved hydrocarbons are no longer a concern at this location.

The direction of groundwater flow across the H-20 SWD site is toward the southeast (Figure 3 & 4). A (strikingly) large plume of high chloride impacted groundwater exists upgradient of the subject site, not caused by ROC, and will essentially replace the groundwater beneath the site in the coming years (Figure 4). The general, if uneven, overall decline in groundwater chlorides will suddenly reverse when this upgradient "wall" of chlorides sweeps beneath the site. Any further effort to abate groundwater quality at this location will be for naught when this high salinity plume replaces the groundwater beneath it.

ROC will continue to sample and monitor groundwater quality in 2025. ROC will review all the sampling data and submit an updated report to NMOCD and will set up a meeting with NMOCD to discuss a path forward for the site.

ROC is the service provider (agent) for the EME Salt Water Disposal System and has no ownership of any portion of pipeline, well or facility. The EME SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Please contact either Katie Davis of Rice Operating Company or me if you have any questions or need additional information.

Received by OCD: 3/31/2025 9:57:50 AM



L. Peter Galusky, Jr. P.E. NM Prof. Engineer No. 22561



Copy: Rice Operating Company; Attachments: ... as noted, above.

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From:	OCDOnline@state.nm.us
То:	Katie Jones
Subject:	The Oil Conservation Division (OCD) has approved the application, Application ID: 327841
Date:	Friday, February 28, 2025 1:31:53 PM

To whom it may concern (c/o Katie Davis for RICE OPERATING COMPANY),

The OCD has approved the submitted *Ground Water Abatement* (GROUND WATER ABATEMENT), for incident ID (n#) nAPP2109547013, with the following conditions:

• Review of the 2023 Annual Report fothe EME-H20 SWD (1R427-87): content satisfactory 1. Propose abatement options or set up meeting with OCD to discuss options for abatement, as previously suggested. 2. ROC must provide data from any up-gradient source that has the potential to contaminate underneath EME H-20 SWD. 3. Continue to conduct groundwater monitoring for all constituents (BTEX, TDS, sulfate and chloride) until such meeting is set with the OCD and provide annual report to OCD by April 1, 2025.

The signed GROUND WATER ABATEMENT can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you, Michael Buchanan Environmental Specialist 505-490-0798 Michael.Buchanan@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

Received by OCD: 3/31/2025 9:57:50 AM Geographic Location

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Site Map



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Groundwater Elevation Q4 2024



Received by OCD: 3/31/20 NOT ROC Regional Impact area

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EME H-20 SWD Groundwater Chloride Concentrations

Average Annual Values (mg/l)

	MW-1	MW-2	MW-3	MW-4	MW-5	
Year	(near-source)	(up-gradient)	(down-gradient)	(far down- gradient)	(east side gradient)	OCD Std
2007	1,476					250
2008	1,385	958	1,680	1,120	1,220	250
2009	1,260	1,135	1,985	1,245	1,250	250
2010	1,350	1,180	1,840	1,345	1,390	250
2011	1,160	1,305	1,675	1,455	1,620	250
2012	1,163	1,045	1,660	1,405	1,400	250
2013	1,223	908	1,288	1,285	1,103	250
2014	1,135	780	1,230	1,145	1,050	250
2015	1,090	932	1,490	1,095	1,205	250
2016	1,195	1,110	1,215	1,200	1,185	250
2017	1,118	893	1,085	1,265	1,145	250
2018	1,070	1,093	1,128	1,343	1,143	250
2019	1,015	913	1,093	1,298	1,175	250
2020	980	800	1,020	1,220	1,035	250
2021	1,028	963	1,013	1,178	910	250
2022	1,053	910	1,043	1,198	1,040	250
2023	1,187	783	1,005	1,105	1,038	250
2024	1,123	795	944	1,050	1,015	250

Note: We disregarded one of the four 2023 chloride measurements for 2023, as it was spuriously high (several times the other quarterly measurements). The value shown (in red font) is thus based on three quarterly measurements for that year.



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EME H-20 SWD Groundwater Benzene Concentrations (mg/l) Average Annual Values (mg/l)

rage Ani	nual values (mg/	1)			
	MW-1	MW-2	MW-3	MW-4	MW-5
	(near-source)	(up- gradient)	(down- gradient)	(far down- gradient)	•
2008	0.0468	BD	0.0017	BD	BD
2009	0.0258	BD	0.0030	0.0010	BD
2010	0.0310	BD	0.0038	0.0010	0.0820
2011	0.0368	BD	0.0017	0.0030	BD
2012	0.0303	BD	0.0020	0.0015	BD
2013	0.0653	BD	BD	BD	BD
2014	0.0293	BD	BD	BD	BD
2015	0.0290	BD	BD	BD	BD
2016	0.0190	BD	0.0160	0.0010	BD
2017	0.0203	0.0020	0.0200	0.0030	BD
2018	0.0287	BD	0.0290	BD	BD
2019	0.0215	BD	0.0245	BD	BD
2020	0.0155	BD	0.0300	0.0010	BD
2021	0.0120	BD	0.0053	0.0017	BD
2022	0.0105	BD	0.0070	BD	BD
2023	0.0100	BD	0.0033	BD	BD
2024	0.0160	BD	0.0170	0.0010	BD

Note: BD indicates below the limits of laboratory detection.

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ROC - EME H-20 SWD (1R427-87) Unit Letter H, Section 20, T20S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
1	22.89	34.95	7.8	25	4/23/2007	1,939	4,343	0.06	<0.002	<0.002	<0.006	544	Clear
1	23.45	34.95	7.5	25	7/12/2007	1,230	3,660	0.0684	<0.005	0.0157	<0.002	644	Clear
1	23.54	34.95	7.4	25	11/1/2007	1,260	3,824	0.059	<0.002	0.006	<0.006	612	Gray to clear Strong odor 0.16 inches of product in well
1	23.37	34.95	7.5	25	1/18/2008	1,420	3,896	0.052	<0.005	<0.005	<0.015	653	Hydrocarbon present Gray to clear with strong odor
1	23.25	34.95	7.6	25	4/9/2008	1,380	3,890	0.032	0.001	0.004	<0.003	862	Gray to clear Strong odor Hydrocarbon present
1	24	34.95	7.1	25	7/21/2008	1,440	4,070	0.048	<0.02	<0.02	<0.06	794	Hydrocarbon present Gray to clear Strong odor
1	23.54	34.95	7.4	25	10/20/2008	1,300	3,920	0.055	0.002	0.004	<0.003	744	Hydrocarbon present Gray to clear Strong odor
1	23.22	34.96	7.6	25	2/5/2009	1,360	3,900	0.031	0.001	0.004	<0.003	753	Hydrocarbon present Gray to clear Strong odor
1	23.13	34.96	7.7	25	5/8/2009	1,220	3,850	0.031	<0.001	<0.001	<0.003	746	Hydrocarbon present Gray to clear Strong odor
1	24.13	34.96	7	25	8/14/2009	1,180	3,690	0.024	<0.001	0.007	<0.003	694	Hydrocarbon present Gray to clear Strong odor
1	24.32	34.96	6.9	25	11/4/2009	1,280	3,840	0.017	<0.001	0.002	<0.003	631	Hydrocarbon present Gray to clear Strong odor
1	23.83	34.96	7.2	25	2/17/2010	1,360	3,800	0.03	<0.001	0.004	<0.003	946	Gray to Clear with Strong Odor
1	23.37	34.96	7.5	25	5/19/2010	1,280	3,950	0.006	<0.001	<0.001	<0.003	760	Hydrocarbon sheen Gray to clear Strong odor



1	23.11	34.96	7.7	25	8/11/2010	1,460	4,050	0.014	<0.001	0.003	<0.003	740	Hydrocarbon sheen Gray to clear Strong odor
1	23.58	34.96	7.4	25	11/4/2010	1,300	3,910	0.074	<0.002	0.004	<0.006	645	Hydrocarbon sheen Gray to clear Strong odor
1	23.26	34.96	7.6	25	2/25/2011	1,160	3,800	0.033	0.002	0.004	0.003	756	Hydrocarbon sheen Gray to clear Strong odor
1	23.51	34.96	7.4	25	5/20/2011	1,220	3,700	0.056	0.003	0.006	0.007	761	Hydrocarbon sheen Gray to clear Strong odor
1	24.43	34.96	6.8	25	8/11/2011	1,080	3,640	0.034	<0.001	0.002	<0.003	779	Hydrocarbon sheen Gray to clear Strong odor
1	24.22	34.96	7	25	11/9/2011	1,180	3,580	0.024	<0.001	0.002	<0.003	827	Hydrocarbon sheen Gray to clear Strong odor
1	23.82	34.96	7.2	25	2/8/2012	1,170	3,650	0.028	<0.001	0.003	<0.003	807	Hydrocarbon sheen Gray to clear Strong odor
1	23.67	34.96	7.3	25	5/20/2012	1,100	3,500	0.027	<0.001	0.004	<0.003	639	Hydrocarbon sheen Gray to clear Strong odor
1	24.28	34.96	6.9	25	8/7/2012	1,160	3,660	0.04	0.002	0.008	<0.003	727	Hydrocarbon sheen Gray to clear Strong odor
1	24.09	34.96	7.1	25	10/31/2012	1,220	3,720	0.026	<0.001	<0.001	<0.003	686	Hydrocarbon sheen Gray to clear Strong odor
1	23.85	34.96	7.2	25	1/30/2013	1,180	3,750	0.044	<0.001	0.004	<0.003	547	Hydrocarbon sheen Gray to clear Strong odor
1	23.78	34.96	7.3	25	5/14/2013	1,230	3,860	0.082	0.002	0.008	<0.003	842	Hydrocarbon sheen Gray to clear Strong odor
1	24.16	34.96	7	25	8/14/2013	1,360	3,820	0.074	0.003	0.013	<0.003	788	Hydrocarbon sheen Gray to clear Strong odor



1	24.29	34.96	6.9	25	10/31/2013	1,120	3,830	0.061	<0.001	<0.001	<0.003	832	Hydrocarbon sheen Gray to clear Strong odor
1	23.87	34.96	7.2	25	2/18/2014	1,100	3,720	0.038	<0.001	0.003	<0.003	815	Hydrocarbon sheen Gray to clear Strong odor
1	23.77	34.96	7.3	25	4/24/2014	1,080	3,760	0.037	<0.001	0.003	<0.003	785	Hydrocarbon sheen Gray to clear Strong odor
1	24.74	34.96	6.6	25	7/31/2014	1,060	3,510	0.013	<0.001	0.002	<0.003	626	Hydrocarbon sheen Gray to clear Strong odor
1	24.72	34.96	6.7	25	11/6/2014	1,300	4,340	<0.001	<0.001	<0.001	<0.003	983	Hydrocarbon sheen Gray to Clear Strong odor PSH Sock Changed
1	23.52	34.96	7.4	25	2/12/2015	1,030	3,500	0.029	<0.001	0.001	<0.003	789	Hydrocarbon sheen Gray to clear Strong odor PSH Sock Changed
1	23.22	34.96	7.6	25	5/6/2015	1,120	3,790	<0.001	<0.001	<0.001	<0.003	812	Hydrocarbon sheen Gray to clear Strong odor
1	23.83	34.96	7.2	25	8/11/2015	1,090	4,120	<0.001	<0.001	<0.001	<0.003	759	Hydrocarbon sheen Gray to clear Strong odor
1	23.64	34.96	7.4	25	11/5/2015	1,120	3,790	<0.001	<0.001	<0.001	<0.003	728	Hydrocarbon sheen
1	23.24	34.96	7.6	25	2/10/2016	1,040	3,690	0.024	<0.001	<0.001	<0.003	746	Hydrocarbon sheen Gray to clear Strong odor
1	23.01	34.96	7.8	25	5/9/2016	1,300	3,880	<0.001	<0.001	<0.001	<0.003	768	Hydrocarbon sheen Gray to clear Strong odor
1	23.66	34.96	7.3	25	9/8/2016	1,200	3,560	0.010	<0.001	0.001	0.012	830	Hydrocarbon sheen Gray to clear Strong odor
1	23.21	34.96	7.6	25	11/8/2016	1,240	3,620	0.023	0.004	0.003	0.030	819	Hydrocarbon sheen Gray to clear Strong odor



1	23.01	38.96	7.8	25	2/16/2017	1,240	3,690	0.001	<0.001	<0.001	<0.003	888	Hydrocarbon sheen Gray to clear Strong odor
1	22.74	38.96	7.9	25	4/28/2017	1,040	3,520	0.014	<0.001	0.002	<0.003	884	Hydrocarbon sheen Gray to clear Strong odor
1	23.41	38.96	7.9	25	9/5/2017	1,200	3,890	0.037	<0.001	0.007	<0.003	865	Hydrocarbon sheen Gray to clear Strong odor
1	23.38	38.96	7.9	25	11/8/2017	990	3,560	0.029	<0.001	0.005	<0.003	840	Hydrocarbon sheen Gray to clear Strong odor
1	22.84	34.96	7.9	25	2/23/2018	1,040	3,220	0.018	<0.001	0.003	<0.003	847	Hydrocarbon sheen Gray to clear Strong odor
1	23.02	34.96	7.8	25	5/8/2018	1,240	3,780	<0.001	<0.001	<0.001	<0.003	945	Hydrocarbon sheen Gray to clear Strong odor
1	24.18	34.96	7	25	8/30/2018	1,020	3,400	0.036	<0.001	0.006	<0.003	804	Hydrocarbon sheen Gray to clear Strong odor
1	23.57	34.96	7.4	25	11/8/2018	980	3,060	0.032	0.001	0.005	<0.003	980	Hydrocarbon sheen Gray to clear Strong odor
1	23.09	38.96	7.7	25	2/27/2019	1,080	3,100	0.002	<0.001	<0.001	<0.003	1,000	Hydrocarbon sheen Gray to clear Strong odor
1	23.12	38.96	7.7	25	5/22/2019	990	3,430	0.019	<0.001	<0.001	<0.003	836	Hydrocarbon sheen Gray to clear Strong odor
1	24.02	38.96	7.1	25	8/26/2019	930	3,360	0.043	<0.001	0.006	<0.003	1,090	Hydrocarbon sheen Gray to clear Strong odor
1	23.32	38.96	7.6	25	11/13/2019	1,060	3,490	0.022	<0.001	0.004	<0.003	681	Hydrocarbon sheen Gray to clear Strong odor
1	23.21	34.96	7.6	25	3/2/2020	1,000	3,420	0.001	<0.001	<0.001	<0.003	1,500	Hydrocarbon sheen Gray to clear Strong odor



1	24.45	34.96	6.8	25	9/8/2020	960	3,330	0.030	<0.001	0.005	<0.003	489	Hydrocarbon sheen Gray to clear Strong odor
1	23.89	38.96	7.2	25	3/4/2021	1,040	3,400	0.001	<0.001	<0.001	<0.003	744	Hydrocarbon sheen Gray to clear Strong odor
1	23.93	38.96	7.2	25	6/8/2021	920	3,300	0.030	0.002	0.006	<0.003	612	Hydrocarbon sheen Gray to clear Strong odor
1	24.35	38.96	6.9	25	9/7/2021	1,100	3,460	<0.001	0.003	<0.001	<0.003	939	Hydrocarbon sheen Gray to clear Strong odor
1	23.91	38.96	7.2	25	11/4/2021	1,050	3,410	0.005	<0.001	<0.001	<0.003	920	Hydrocarbon sheen Gray to clear Strong odor
1	24.12	38.96	7	25	2/24/2022	1,100	3,300	0.001	<0.001	<0.001	<0.003	770	Hydrocarbon sheen Gray to clear Strong odor
1	24.56	38.96	6.8	25	6/3/2022	1,160	3,360	0.020	<0.001	0.002	<0.003	738	Hydrocarbon sheen Gray to clear Strong odor
1	24.9	38.96	6.5	25	8/30/2022	1,000	3,470	<0.001	<0.001	<0.001	<0.003	800	Hydrocarbon sheen Gray to clear Strong odor
1	24.55	38.96	6.8	25	11/10/2022	950	3,460	<0.001	<0.001	<0.001	<0.003	843	Hydrocarbon sheen Gray to clear Strong odor
1	24.01	34.96	7.1	25	3/13/2023	1,040	3,450	<0.001	<0.001	<0.001	<0.003	788	Hydrocarbon sheen Gray to clear Strong odor
1	23.93	34.96	7.2	25	6/1/2023	1,080	3,440	0.005	<0.001	<0.001	<0.003	939	Hydrocarbon sheen Gray to clear Strong odor

1	23.9	34.96	7.2	25	8/15/2023	1,440	3,720	<0.001	<0.001	<0.001	<0.003	742	Hydrocarbon sheen Gray to clear Strong odor
1	24.41	34.96	6.9	25	12/1/2023	4,050	6,830	0.015	<0.001	0.001	<0.003	159	Hydrocarbon sheen Gray to clear Strong odor
1	24.05	34.96	7.1	25	3/7/2024	1,160	3,480	0.014	<0.001	0.001	<0.003	801	Hydrocarbon sheen Gray to clear Strong odor
1	24.26	34.96	7	25	5/24/2024	1,070	3,470	0.018	<0.001	0.002	<0.003	834	Hydrocarbon sheen Gray to clear Strong odor
1	25.35	34.96	6.2	25	8/5/2024	1,100	3,480	<0.001	<0.001	<0.001	<0.003	912	Hydrocarbon sheen Gray to clear Strong odor
1	25.48	34.96	6.2	25	10/23/2024	1,160	3,590	<0.001	<0.001	0.009	<0.003	847	Hydrocarbon sheen Gray to clear Strong odor

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	23.94	33.4	1.5	5	1/18/2008	980	3,205	<0.001	<0.001	<0.001	, <0.003	746	Clear Slight odor
2	23.8	33.4	1.5	5	4/9/2008	840	2,990	<0.001	<0.001	<0.001	<0.003	988	Clear Slight odor
2	24.6	33.4	1.4	5	7/21/2008	1,000	3,210	<0.002	<0.002	<0.002	<0.006	796	Clear Slight odor
2	24.29	33.4	1.5	5	10/20/2008	1,010	3,270	<0.001	<0.001	<0.001	<0.003	762	Clear Slight odor
2	23.99	33.48	1.5	5	2/5/2009	1,080	3,510	< 0.001	<0.001	<0.001	<0.003	815	Clear Slight odor
2	23.87	33.48	1.5	5	5/8/2009	1,120	3,480	<0.001	<0.001	<0.001	<0.003	772	Clear Slight odor
2	24.83	33.48	1.4	5	8/14/2009	1,140	3,550	<0.001	< 0.001	<0.001	<0.003	750	Clear Slight odor
2	24.97	33.48	1.4	5	11/4/2009	1,200	3,570	<0.001	<0.001	<0.001	<0.003	564	Clear Slight odor
2	24.49	33.48	1.4	5	2/17/2010	1,080	3,480	<0.001	<0.001	<0.001	<0.003	929	Clear Slight odor
2	24.09	33.48	1.5	5	5/19/2010	1,180	3,670	<0.001	<0.001	<0.001	<0.003	841	Clear Slight odor
2	23.85	33.48	1.5	5	8/11/2010	1,120	3,520	<0.001	<0.001	<0.001	<0.003	783	Clear Slight odor
2	24.15	33.48	1.5	5	11/4/2010	1,340	4,210	<0.001	<0.001	<0.001	<0.003	1020	Clear Slight odor
2	23.92	33.49	1.5	6	2/25/2011	1,680	3,390	<0.001	<0.001	<0.001	<0.003	761	Clear Slight odor
2	24.06	33.49	1.5	6	5/20/2011	1,120	3,360	<0.001	<0.001	<0.001	<0.003	724	Clear Slight odor
2	24.88	33.49	1.4	6	8/11/2011	1,140	3,470	<0.001	< 0.001	<0.001	<0.003	845	Clear Slight odor
2	24.44	33.49	1.4	6	11/9/2011	1,280	3,680	<0.001	<0.001	<0.001	<0.003	788	Clear Slight odor
2	24.49	33.49	1.4	6	2/8/2012	1,060	3,290	<0.001	<0.001	<0.001	<0.003	702	Clear Slight odor
2	24.31	33.49	1.5	6	5/20/2012	1,040	3,270	<0.001	< 0.001	<0.001	<0.003	695	Clear Slight odor
2	24.88	33.49	1.4	6	8/7/2012	1,020	3,230	<0.001	<0.001	<0.001	<0.003	749	Clear Slight odor
2	24.81	33.49	1.4	6	10/31/2012	1,060	3,300	<0.001	<0.001	<0.001	<0.003	692	Clear Slight odor
2	24.53	33.49	1.4	6	1/30/2013	1,040	3,220	<0.001	<0.001	<0.001	<0.003	626	Clear Slight odor
2	24.34	33.49	1.5	6	5/15/2013	960	3,230	<0.001	<0.001	<0.001	<0.003	874	Clear Slight odor
2	24.83	33.49	1.4	6	8/14/2013	860	3,010	<0.001	<0.001	<0.001	<0.003	668	Clear Slight odor
2	24.93	33.49	1.4	6	10/31/2013	770	2,900	<0.001	<0.001	<0.001	<0.003	670	Clear Slight odor
2	24.54	33.49	1.4	6	2/18/2014	740	2,710	<0.001	<0.001	<0.001	<0.003	664	Clear Slight odor
2	24.39	33.49	1.5	6	4/24/2014	830	2,890	<0.001	<0.001	<0.001	<0.003	638	Clear Slight odor
2	25.28	33.49	1.3	6	7/31/2014	730	2,720	<0.001	<0.001	<0.001	<0.003	646	Clear Slight odor
2	24.53	33.49	1.4	6	11/6/2014	820	2,910	<0.001	<0.001	<0.001	<0.003	539	Clear Slight odor
2	24.29	33.49	1.5	6	2/12/2015	950	3,010	<0.001	<0.001	<0.001	<0.003	703	Clear Slight odor
2	23.98	33.49	1.5	6	5/6/2015	860	3,070	<0.001	<0.001	<0.001	<0.003	605	Clear Slight odor
2	24.58	33.49	1.4	6	8/11/2015	939	3,250	<0.001	<0.001	<0.001	<0.003	479	Clear Slight odor

2	24.33	33.49	1.47	6	11/5/2015	980	3,490	<0.001	<0.001	<0.001	<0.003	691	Clear Slight odor
2	23.96	33.49	1.5	6	2/10/2016	1,160	3,800	<0.001	<0.001	<0.001	<0.003	720	Clear Slight odor
2	23.79	33.49	1.6	6	5/9/2016	1,160	3,670	<0.001	<0.001	<0.001	<0.003	892	Clear Slight odor
2	24.37	33.49	1.5	6	9/8/2016	1,160	3,700	<0.001	<0.001	<0.001	<0.003	826	Clear Slight odor
2	23.93	33.49	1.5	6	11/8/2016	960	3,080	<0.001	<0.001	<0.001	<0.003	716	Clear Slight odor
2	23.67	33.49	1.6	6	2/16/2017	920	2,900	<0.001	<0.001	<0.001	<0.003	771	Clear Slight odor
2	23.47	33.49	1.6	6	4/28/2017	900	2,980	<0.001	<0.001	<0.001	<0.003	802	Clear Slight odor
2	24.06	33.49	1.6	6	9/5/2017	920	3,110	<0.001	<0.001	<0.001	<0.003	713	Clear Slight odor
2	24.01	33.49	1.6	6	11/8/2017	830	3,030	0.002	<0.001	<0.001	<0.003	705	Clear Slight odor
2	23.53	33.49	1.6	6	2/23/2018	1,070	3,110	<0.001	<0.001	<0.001	<0.003	776	Clear Slight odor
2	23.59	33.49	1.6	6	5/8/2018	1,240	3,780	<0.001	<0.001	<0.001	<0.003	945	Clear Slight odor
2	24.73	33.49	1.4	6	8/30/2018	1,080	3,370	<0.001	<0.001	<0.001	<0.003	838	Clear Slight odor



2	24.19	33.49	1.5	6	11/8/2018	980	2,240	<0.001	<0.001	<0.001	<0.003	926	Clear Slight odor
2	23.78	33.49	1.6	6	2/27/2019	950	2,700	<0.001	<0.001	<0.001	<0.003	871	Clear Slight odor
2	23.74	33.49	1.6	6	5/22/2019	1,000	3,220	<0.001	<0.001	<0.001	<0.003	800	Clear Slight odor
2	24.78	33.49	1.4	6	8/26/2019	870	2,850	<0.001	<0.001	<0.001	<0.003	1,170	Clear Slight odor
2	24.44	33.49	1.4	6	11/13/2019	830	2,920	<0.001	<0.001	<0.001	<0.003	670	Clear Slight odor
2	23.88	33.49	1.5	6	3/2/2020	800	2,840	<0.001	<0.001	<0.001	<0.003	885	Clear Slight odor
2	24.98	33.49	1.4	6	9/8/2020	800	2,830	<0.001	<0.001	<0.001	<0.003	545	Clear Slight odor
2	24.53	33.49	1.4	6	3/4/2021	900	2,830	<0.001	<0.001	<0.001	<0.003	730	Clear Slight odor
2	24.56	33.49	1.4	6	6/8/2021	1,000	3,010	<0.001	<0.001	<0.001	<0.003	636	Clear Slight odor
2	25.02	33.49	1.4	6	9/7/2021	1,000	3,080	<0.001	<0.001	<0.001	<0.003	881	Clear Slight odor
2	24.53	33.49	1.4	6	11/4/2021	950	3,020	<0.001	<0.001	<0.001	<0.003	843	Clear Slight odor
2	24.77	33.49	1.4	6	2/24/2022	1,040	3,070	<0.001	<0.001	<0.001	<0.003	728	Clear Slight odor
2	25.18	33.49	1.3	6	6/3/2022	1,120	3,020	<0.001	<0.001	<0.001	<0.003	872	Clear Slight odor
2	24.2	33.49	1.5	6	8/30/2022	840	2,730	<0.001	<0.001	<0.001	<0.003	572	Clear Slight odor
2	25.18	33.49	1.3	6	11/10/2022	640	2,590	<0.001	<0.001	<0.001	<0.003	628	Clear Slight odor
2	24.7	33.49	1.4	6	3/13/2023	880	2,720	<0.001	<0.001	<0.001	<0.003	546	Clear Slight odor
2	24.57	33.49	1.4	6	6/1/2023	790	2,750	<0.001	<0.001	<0.001	<0.003	706	Clear Slight odor
2	24.55	33.49	1.4	6	8/15/2023	880	2,510	<0.001	<0.001	<0.001	<0.003	502	Clear Slight odor
2	15.06	33.49	2.9	6	12/1/2023	580	1,260	<0.001	<0.001	<0.001	<0.003	128	Clear Slight odor
2	27.73	33.49	0.9	6	3/7/2024	780	2,670	<0.001	<0.001	<0.001	<0.003	612	Clear Slight odor
2	24.89	33.49	1.4	6	5/24/2024	770	2,680	<0.001	<0.001	<0.001	<0.003	709	Clear Slight odor
2	25.75	33.49	1.2	6	8/5/2024	810	2,630	<0.001	<0.001	<0.001	<0.003	774	Clear Slight odor
2	25.89	33.49	1.2	6	10/23/2024	820	2,760	<0.001	<0.001	<0.001	<0.003	654	Clear Slight odor

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
3	23.38	33.75	1.7	5	1/18/2008	1,420	4,175	0.002	<0.001	0.002	<0.003	670	RISER HAS BEEN HIT Clear Strong odor
3	23.8	33.75	1.6	5	4/9/2008	1,220	3,720	0.002	<0.001	0.002	<0.003	1070	Clear Strong odor RISER HAS BEEN REPLACED
3	24.14	33.75	1.5	5	7/21/2008	2,140	5 <i>,</i> 570	<0.002	<0.002	<0.002	<0.006	978	Clear Strong odor
3	23.74	33.75	1.6	6	10/20/2008	1,940	5,170	0.001	<0.001	<0.001	<0.003	890	Clear Strong odor
3	23.4	33.74	1.7	6	2/5/2009	1,480	4,330	<0.001	<0.001	<0.001	<0.003	837	Clear Strong odor
3	23.31	33.74	1.7	6	5/8/2009	1,840	4,800	<0.001	<0.001	<0.001	<0.003	802	Clear Strong odor
3	24.39	33.74	1.5	6	8/14/2009	2,570	6,580	0.002	0.001	<0.001	<0.003	1060	Clear Strong odor
3	24.52	33.74	1.5	6	11/4/2009	2,050	4,890	0.004	<0.001	<0.001	<0.003	804	Clear Strong odor
3	23.95	33.75	1.6	6	2/17/2010	1,420	4,200	0.005	<0.001	<0.001	<0.003	1050	Clear Strong odor
3	23.52	33.75	1.6	6	5/19/2010	1,640	4,680	0.005	<0.001	<0.001	<0.003	974	Clear Strong odor
3	23.36	33.75	1.7	6	8/11/2010	2,150	5,430	0.002	<0.001	<0.001	<0.003	962	Hydrocarbon sheen Clear Strong odor
3	23.77	33.75	1.6	6	11/4/2010	2,150	5,760	0.003	<0.001	<0.001	<0.003	1190	Hydrocarbon sheen Clear Strong odor
3	23.39	33.75	1.7	6	2/25/2011	1,580	4,540	0.002	<0.001	<0.001	<0.003	933	Hydrocarbon sheen Clear Strong odor
3	23.72	33.75	1.6	6	5/20/2011	1,880	5,050	0.002	<0.001	<0.001	<0.003	967	Hydrocarbon sheen Clear Strong odor
3	24.62	33.75	1.5	6	8/11/2011	1,580	4,880	<0.001	<0.001	<0.001	<0.003	870	Hydrocarbon sheen Clear Strong odor
3	24.38	33.75	1.5	6	11/9/2011	1,660	4,550	0.001	<0.001	0.002	<0.003	904	Hydrocarbon sheen Clear Strong odor
3	23.98	33.75	1.6	6	2/8/2012	1,480	4,090	0.003	<0.001	<0.001	<0.003	835	Hydrocarbon sheen Clear Strong odor
3	23.82	33.75	1.6	6	5/20/2012	1,400	3,890	0.001	<0.001	<0.001	<0.003	740	Hydrocarbon sheen Clear Strong odor
3	24.48	33.75	1.5	6	8/7/2012	1,920	5,120	0.002	0.003	0.002	<0.003	833	Hydrocarbon sheen Clear Strong odor
3	24.28	33.75	1.5	6	10/31/2012	1,840	4,830	<0.001	<0.001	<0.001	<0.003	913	Hydrocarbon sheen Clear Strong odor
3	24.03	33.75	1.6	6	1/30/2013	1,240	3,850	<0.001	<0.001	<0.001	<0.003	803	Hydrocarbon sheen Clear Strong odor

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3	23.81	33.75	1.6	6	5/14/2013	1,250	3,720	<0.001	<0.001	<0.001	<0.003	885	Hydrocarbon sheen Clear Strong odor
													Hydrocarbon sheen Clear
3	24.41	33.75	1.5	6	8/14/2013	1,580	4,720	<0.001	0.001	<0.001	<0.003	976	Strong odor
2	24.42	22.75	4 5	6	10/21/2012	1 000	2 5 4 0	-0.001	10.001	-0.001	-0.000	774	Hydrocarbon sheen Clear
3	24.43	33.75	1.5	6	10/31/2013	1,080	3,540	<0.001	<0.001	<0.001	<0.003	771	Strong odor
3	24.04	33.75	1.6	6	2/18/2014	1 040	3,440	<0.001	<0.001	<0.001	<0.003	808	Hydrocarbon sheen Clear
	24.04	55.75	1.0		2/10/2014	1,040	3,440	0.001	.0.001	<0.001	.0.005	000	Strong odor
3	23.81	33.75	1.6	6	4/24/2014	1,020	3,560	<0.001	<0.001	<0.001	<0.003	735	Hydrocarbon sheen Clear
						,	,						Strong odor
3	24.93	33.75	1.4	6	7/31/2014	1,080	3,750	<0.001	<0.001	<0.001	<0.003	852	Hydrocarbon sheen Clear
													Strong odor
3	23.93	33.75	1.6	6	11/6/2014	1.780	4,910	<0.001	<0.001	<0.001	<0.003	889	Hydrocarbon sheen Gray
Ŭ	20.00	001/0	1.0	Ũ	11, 0, 201 !	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,510	.0.001	.01001	101001		005	to clear Strong odor
2	22.22	22.75	1.0	C	2/12/2015	1 5 2 0	4 0 2 0	-0.001	-0.001	-0.001	(0.002	1 1 2 0	Hydrocarbon sheen Clear
3	23.73	33.75	1.6	6	2/12/2015	1,520	4,830	<0.001	<0.001	<0.001	<0.003	1,120	Strong odor
3	23.42	33.75	1.7	6	5/6/2015	1 260	3,900	<0.001	<0.001	<0.001	<0.003	939	Hydrocarbon sheen Clear
	23.42	55.75	1.7	0	5/0/2015	1,200	3,500	\U.UU1	<0.001	NO.001	NO.003	555	Strong odor
3	24.19	33.75	1.5	6	8/11/2015	1 660	5,050	<0.001	<0.001	<0.001	<0.003	651	Hydrocarbon sheen Clear
	24.15	55.75	1.5	0	0/11/2013	1,000	5,050	0.001	.0.001	10.001		051	Strong odor
3	23.94	33.75	1.5	6	11/5/2015	1 520	5,110	<0.001	<0.001	<0.001	<0.003	915	Hydrocarbon sheen Clear
	23.34	55.75	1.5	0	11/3/2013	1,520	5,110	0.001	.0.001	<0.001	.0.005	515	Strong odor
3	23.58	33.75	1.6	6	2/10/2016	1.280	3,980	<0.001	<0.001	<0.001	<0.003	768	Hydrocarbon sheen Clear
						,	,						Strong odor Hydrocarbon sheen Clear
3	23.22	33.75	1.7	6	5/9/2016	1,380	3,910	<0.001	<0.001	<0.001	<0.003	829	Strong odor
													Hydrocarbon sheen Clear
3	23.74	33.75	1.6	6	9/8/2016	1,060	3,680	0.006	<0.001	<0.001	<0.003	829	Strong odor
2	22.20	22.75	4 7	6	11/0/2016	1 1 1 0	2 250	0.026	.0.001	0.005	0.000	000	Hydrocarbon sheen Clear
3	23.29	33.75	1.7	6	11/8/2016	1,140	3,350	0.026	<0.001	0.005	0.003	808	Strong odor
3	23.03	33.75	1.7	6	2/16/2017	1 1 / 0	3,670	0.001	<0.001	<0.001	<0.003	928	Hydrocarbon sheen Clear
3	23.03	33.75	1.7	0	2/10/2017	1,140	3,070	0.001	<0.001	<0.001	<0.003	920	Strong odor
3	22.77	33.75	1.8	6	4/28/2017	1.108	3,680	0.023	<0.001	0.003	<0.003	999	Hydrocarbon sheen Clear
⊢–́–∣					., _0, _0, _,		2,000	0.020					Strong odor
3	23.57	33.75	1.8	6	9/5/2017	1,060	3,230	0.041	<0.001	0.006	<0.003	707	Hydrocarbon sheen Clear
													Strong odor Hydrocarbon sheen Clear
3	23.53	33.75	1.8	6	11/8/2017	1,030	3,770	0.015	<0.001	0.002	<0.003	856	Strong odor

3	22.95	33.75	1.7	6	2/23/2018	990	3,290	0.018	<0.001	0.002	<0.003	948	Hydrocarbon sheen Clear
	22.55	55.75	1.7	Ŭ	2/23/2010	550	3,230	0.010	NO.001	0.002	\$0.005	540	Strong odor
2	23.09	33.75	1.7	6	5/8/2018	1 240	3,580	<0.001	<0.001	0.002	<0.003	999	Hydrocarbon sheen Clear
5	23.09	55.75	1.7	0	5/6/2016	1,540	5,560	<0.001	<0.001	0.002	NU.003	999	Strong odor
2	24.42	33.75	1.5	6	8/30/2018	1 000	3,560	0.034	<0.001	0.006	<0.003	806	Hydrocarbon sheen Clear
5	24.42	55.75	1.5	0	8/30/2018	1,080	5,500	0.054	N0.001	0.000	NU.003	800	Strong odor
2	23.93	33.75	1.6	6	11/8/2018	1 100	2 240	0.035	<0.001	0.002	<0.003	1,370	Hydrocarbon sheen Clear
3	25.93	55.75	1.0	0	11/0/2018	1,100	5,540	0.035	<0.001	0.002	<0.003	1,370	Strong odor

3	23.19	33.75	1.7	6	2/27/2019	1,200	3,300	0.007	<0.001	<0.001	<0.003	1,080	Hydrocarbon sheen Clear Strong odor
3	23.2	33.75	1.7	6	5/22/2019	1,090	3,670	0.006	<0.001	<0.001	<0.003	920	Hydrocarbon sheen Clear Strong odor
3	24.24	33.75	1.5	6	8/26/2019	1,040	3,460	0.068	0.002	0.003	<0.003	1,150	Hydrocarbon sheen Clear Strong odor
3	23.97	33.75	1.6	6	11/13/2019	1,040	3,540	0.017	<0.001	0.003	<0.003	724	Hydrocarbon sheen Clear Strong odor
3	23.31	33.75	1.7	6	3/2/2020	1,060	3,420	0.002	<0.001	0.003	<0.003	1,580	Hydrocarbon sheen Clear Strong odor
3	24.61	33.75	1.5	6	9/8/2020	980	3,340	0.058	<0.001	0.012	<0.003	582	Hydrocarbon sheen Clear Strong odor
3	24.16	33.75	1.5	6	3/4/2021	1,080	3,380	0.001	<0.001	<0.001	<0.003	860	Hydrocarbon sheen Clear Strong odor
3	24.2	33.75	1.5	6	6/8/2021	960	3,500	0.013	<0.001	0.002	<0.003	738	Hydrocarbon sheen Clear Strong odor
3	24.55	33.75	1.5	6	9/7/2021	1,060	3,460	0.002	0.002	<0.001	<0.003	996	Hydrocarbon sheen Clear Strong odor
3	24.18	33.75	1.5	6	11/4/2021	950	3,350	<0.001	<0.001	<0.001	<0.003	930	Hydrocarbon sheen Clear Strong odor
3	24.55	33.75	1.5	6	2/24/2022	1,120	3,400	0.001	<0.001	<0.001	<0.003	783	Hydrocarbon sheen Clear Strong odor
3	24.8	33.75	1.4	6	6/3/2022	1,120	3,280	0.013	<0.001	0.002	<0.003	949	Hydrocarbon sheen Clear Strong odor
3	25.29	33.75	1.4	6	8/30/2022	1,090	3,480	<0.001	<0.001	<0.001	<0.003	730	Hydrocarbon sheen Clear Strong odor
3	24.72	33.75	1.4	6	11/10/2022	840	3,370	<0.001	<0.001	<0.001	<0.003	802	Hydrocarbon sheen Clear Strong odor
3	24.18	33.75	1.5	6	3/13/2023	1,100	3,380	0.003	<0.001	<0.001	<0.003	849	Hydrocarbon sheen Clear Strong odor
3	24.06	33.75	1.6	6	6/1/2023	1,000	3,240	0.005	<0.001	<0.001	<0.003	797	Hydrocarbon sheen Clear Strong odor
3	24.03	33.75	1.6	6	8/15/2023	900	2,850	<0.001	<0.001	<0.001	<0.003	752	Hydrocarbon sheen Clear Strong odor
3	24.58	33.75	1.5	6	12/1/2023	1,020	3,360	0.002	<0.001	<0.001	<0.003	874	Hydrocarbon sheen Clear Strong odor
3	24.2	33.75	1.5	6	3/7/2024	850	3,360	0.017	<0.001	0.001	<0.003	761	Hydrocarbon sheen Clear Strong odor
3	24.43	33.75	1.5	6	5/24/2024	970	3,290	0.017	<0.001	0.002	<0.003	796	Hydrocarbon sheen Clear Strong odor

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3	25.38	33.75	1.3	6	8/5/2024	874	3,200	<0.001	<0.001	<0.001	<0.003	874	Hydrocarbon sheen Clear Strong odor
3	25.5	33.75	1.3	6	10/23/2024	1,080	3,560	<0.001	<0.001	<0.001	<0.003	791	Hydrocarbon sheen Clear Strong odor

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
4	22.39	33.92	1.8	6	10/20/2008	1,120	3,700	<0.001	<0.001	<0.001	<0.003	812	Clear Slight odor
4	22.08	34.33	2	6	2/5/2009	1,200	3,640	<0.001	<0.001	<0.001	<0.003	746	Clear Slight odor
4	22	34.33	2	8	5/8/2009	1,340	3,720	<0.001	<0.001	<0.001	<0.003	694	Clear Slight odor
4	23.12	34.33	1.8	8	8/14/2009	1,240	3,770	<0.001	<0.001	<0.001	<0.003	648	Clear Slight odor
4	23.19	34.33	1.8	8	11/4/2009	1,200	3,710	0.001	<0.001	0.004	<0.003	555	Clear Slight odor
4	22.62	34.34	1.9	8	2/17/2010	1,380	3,920	<0.001	<0.001	<0.001	<0.003	825	Clear Slight odor
4	22.22	34.34	1.9	8	5/19/2010	1,340	3,750	<0.001	<0.001	<0.001	<0.003	760	Clear Slight odor
4	22.04	34.34	2	8	8/11/2010	1,380	3,870	<0.001	<0.001	<0.001	<0.003	692	Clear Slight odor
4	22.49	34.34	1.9	8	11/4/2010	1,280	3,610	0.001	<0.001	<0.001	<0.003	698	Clear Slight odor
4	22.09	34.36	2	8	2/25/2011	1,440	4,160	<0.001	<0.001	<0.001	<0.003	800	Clear No odor
4	22.43	34.36	1.9	8	5/20/2011	1,500	4,000	<0.001	<0.001	<0.001	<0.003	781	Clear Slight odor
4	23.38	34.36	1.8	8	8/11/2011	1,400	4,080	0.004	<0.001	<0.001	<0.003	544	Clear Slight odor
4	23.08	34.36	1.8	8	11/9/2011	1,480	4,030	0.002	<0.001	<0.001	<0.003	771	Clear Slight odor
4	22.65	34.36	1.9	8	2/8/2012	1,500	4,150	0.002	< 0.001	<0.001	<0.003	808	Clear Slight odor
4	22.49	34.36	1.9	8	5/20/2012	1,360	3,990	<0.001	<0.001	<0.001	<0.003	910	Clear Slight odor
4	23.23	34.36	1.8	8	8/7/2012	1,360	3,960	0.001	<0.001	<0.001	<0.003	792	Clear Slight odor
4	22.96	34.36	1.8	8	10/31/2012	1,400	4,090	<0.001	<0.001	<0.001	<0.003	773	Clear Slight odor
4	22.68	34.36	1.9	8	1/30/2013	1,220	4,000	<0.001	< 0.001	<0.001	<0.003	638	Clear Slight odor
4	22.49	34.36	1.9	8	5/14/2013	1,340	4,060	<0.001	<0.001	<0.001	<0.003	854	Clear Slight odor
4	23.13	34.36	1.8	8	8/14/2013	1,400	4,060	<0.001	<0.001	<0.001	<0.003	878	Clear Slight odor
4	23.12	34.36	1.8	8	10/31/2013	1,180	3,730	<0.001	<0.001	<0.001	<0.003	780	Clear Slight odor
4	22.73	34.36	1.9	8	2/18/2014	1,200	3,510	<0.001	<0.001	<0.001	<0.003	765	Clear Slight odor
4	22.59	34.36	1.9	8	4/24/2014	1,240	3,630	<0.001	<0.001	<0.001	<0.003	593	Clear Slight odor
4	23.68	34.36	1.7	8	7/31/2014	1,220	3,740	<0.001	<0.001	<0.001	<0.003	758	Clear Slight odor
4	22.62	34.36	1.9	8	11/6/2014	920	3,410	<0.001	< 0.001	<0.001	<0.003	501	Clear Slight odor
4	22.38	34.36	1.9	8	2/12/2015	1,080	3,520	<0.001	<0.001	<0.001	<0.003	784	Clear Slight odor
4	22.15	34.36	2	8	5/6/2015	1,040	3,420	<0.001	<0.001	<0.001	<0.003	719	Clear Slight odor
4	22.98	34.36	1.8	8	8/11/2015		3,930	<0.001	<0.001	<0.001	<0.003	580	Clear Slight odor
4	22.72	34.36	1.8	8	11/5/2015	1,140	3,640	<0.001	<0.001	<0.001	<0.003	782	Clear Slight odor
4	22.21	34.36	1.9	8	2/10/2016	1,080	3,520	<0.001	<0.001	<0.001	<0.003	703	Clear Slight odor
4	21.94	34.36	2.0	8	5/9/2016	1,140	3,460	<0.001	<0.001	<0.001	<0.003	797	Clear Slight odor

4	22.42	34.36	1.9	8	9/8/2016	1,260	3,800	<0.001	<0.001	<0.001	<0.003	693	Clear Slight odor
4	21.98	34.36	2.0	8	11/8/2016	1,320	3,610	0.001	<0.001	<0.001	<0.003	732	Clear Slight odor

					1								
4	21.81	34.36	2	8	2/16/2017	1,160	3,680	<0.001	<0.001	<0.001	<0.003	960	Clear Slight odor
4	21.58	34.36	2	8	4/28/2017	1,200	3,780	<0.001	<0.001	<0.001	<0.003	856	Clear Slight odor
4	22.29	34.36	2	8	9/5/2017	1,340	4,040	<0.001	<0.001	<0.001	<0.003	798	Clear Slight odor
4	22.26	34.36	2	8	11/8/2017	1,360	3,930	0.003	<0.001	<0.001	<0.003	903	Clear Slight odor
4	21.66	34.36	2	8	2/23/2018	1,170	3,470	<0.001	<0.001	<0.001	<0.003	863	Clear Slight odor
4	21.8	34.36	2	8	5/8/2018	1,500	3,730	<0.001	<0.001	<0.001	<0.003	892	Clear Slight odor
4	23.15	34.36	1.8	8	8/30/2018	1,460	4,030	<0.001	<0.001	<0.001	<0.003	956	Clear Slight odor
4	22.35	34.36	1.9	8	11/8/2018	1,240	2,800	<0.001	<0.001	<0.001	<0.003	968	Clear Slight odor
4	21.91	34.36	2	8	2/27/2019	1,400	3,790	<0.001	<0.001	<0.001	<0.003	1,080	Clear Slight odor
4	21.97	34.36	2	8	5/22/2019	1,230	3,650	<0.001	<0.001	<0.001	<0.003	908	Clear Slight odor
4	23.22	34.36	1.8	8	8/26/2019	1,240	3,970	<0.001	<0.001	<0.001	<0.003	742	Clear Slight odor
4	22.65	34.36	1.9	8	11/13/2019	1,320	3,910	<0.001	<0.001	<0.001	<0.003	756	Clear Slight odor
4	22.01	34.36	2	8	3/2/2020	1,220	3,850	<0.001	0.001	<0.001	<0.003	1,940	Clear Slight odor
4	23.93	34.36	1.7	8	9/8/2020	1,220	3,660	0.001	<0.001	<0.001	<0.003	709	Clear Slight odor
4	22.68	34.36	1.9	8	3/4/2021	1,180	3,640	0.002	<0.001	<0.001	<0.003	804	Clear Slight odor
4	22.71	34.36	1.9	8	6/8/2021	1,100	3,660	<0.001	<0.001	<0.001	<0.003	737	Clear Slight odor
4	23.2	34.36	1.8	8	9/7/2021	1,280	3,700	0.002	0.001	<0.001	<0.003	953	Clear Slight odor
4	22.69	34.36	1.9	8	11/4/2021	1,150	3,640	0.001	<0.001	<0.001	<0.003	913	Clear Slight odor
4	22.94	34.36	1.8	8	2/24/2022	1,220	3,560	<0.001	<0.001	<0.001	<0.003	736	Clear Slight odor
4	23.5	34.36	1.7	8	6/3/2022	1,220	3,520	<0.001	<0.001	<0.001	<0.003	963	Clear Slight odor
4	24.03	34.36	1.7	8	8/30/2022	1,240	3,440	< 0.001	<0.001	<0.001	<0.003	777	Clear Slight odor
4	23.39	34.36	1.8	8	11/10/2022	1,110	3,380	<0.001	<0.001	<0.001	<0.003	762	Clear Slight odor
4	22.85	34.36	1.8	8	3/13/2023	1,280	3,450	<0.001	<0.001	<0.001	<0.003	662	Clear Slight odor
4	22.71	34.36	1.9	8	6/1/2023	1,090	3,550	<0.001	<0.001	<0.001	<0.003	814	Clear Slight odor
4	22.68	34.36	1.9	8	8/15/2023	1,050	3,350	<0.001	<0.001	<0.001	<0.003	814	Clear Slight odor
4	23.24	34.36	1.8	8	12/1/2023	1,000	3,340	<0.001	<0.001	<0.001	<0.003	771	Clear Slight odor
4	22.89	34.36	1.8	8	3/7/2024	900	2,840	<0.001	<0.001	<0.001	<0.003	644	Clear Slight odor
4	23.11	34.36	1.8	8	5/24/2024	1,100	3,510	0.001	<0.001	<0.001	<0.003	839	Clear Slight odor
4	24.08	34.36	1.6	8	8/5/2024	1,100	3,470	<0.001	<0.001	<0.001	<0.003	917	Clear Slight odor
4	24.21	34.36	1.6	8	10/23/2024	1,100	3,420	<0.001	<0.001	<0.001	<0.003	791	Clear Slight odor

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
5	23.06	37.6	2.3	8	10/20/2008	1,220	4,060	<0.001	<0.001	<0.001	<0.003	894	Clear Slight odor
5	22.71	37.62	2.4	8	2/5/2009	1,180		< 0.001	< 0.001	< 0.001	< 0.003	902	Clear Slight odor
5	22.61	37.62	2.4	8	5/8/2009		3,840	< 0.001	< 0.001	< 0.001	< 0.003	858	Clear Slight odor
5	23.66	37.62	2.2	8	8/14/2009	1,240	-	<0.001	<0.001	<0.001	<0.003	730	Clear Slight odor
5	23.82	37.62	2.2	8	11/4/2009	1,260	3,640	<0.001	<0.001	<0.001	<0.003	600	Clear Slight odor
5	23.38	37.65	2.3	8	2/17/2010	1,260	3,800	<0.001	<0.001	< 0.001	<0.003	940	Clear Slight odor
5	22.84	37.65	2.4	8	5/19/2010	1,340	3,660	<0.001	<0.001	< 0.001	<0.003	783	Clear Slight odor
5	22.64	37.65	2.4	8	8/11/2010	1,400	3,690	<0.001	<0.001	< 0.001	<0.003	785	Clear Slight odor
5	23.05	37.65	2.3	8	11/4/2010	1,560	4,210	0.082	0.002	0.004	<0.006	881	Clear Slight odor
5	22.71	37.65	2.4	8	2/25/2011	1,600	4,390	<0.001	< 0.001	< 0.001	<0.003	829	Clear No odor
5	22.97	37.65	2.3	8	5/20/2011	1,680	4,380	<0.001	<0.001	< 0.001	<0.003	877	Clear Slight odor
5	23.91	37.65	2.2	8	8/11/2011	1,600	4,420	<0.001	<0.001	< 0.001	<0.003	799	Clear Slight odor
5	23.88	37.65	2.2	8	11/9/2011	1,600	4,460	<0.001	<0.001	< 0.001	<0.003	974	Clear Slight odor
5	23.31	37.65	2.3	8	2/8/2012	1,560	4,430	<0.001	<0.001	<0.001	<0.003	973	Clear Slight odor
5	23.12	37.65	2.3	8	5/20/2012	1,480	4,190	<0.001	<0.001	<0.001	<0.003	1,030	Clear Slight odor
5	23.87	37.65	2.2	8	8/7/2012	1,320	3,840	<0.001	<0.001	0.001	<0.003	935	Clear Slight odor
5	23.65	37.65	2.2	8	10/31/2012	1,240	3,820	<0.001	<0.001	<0.001	<0.003	750	Clear Slight odor
5	23.33	37.65	2.3	8	1/30/2013	1,140	3,730	<0.001	<0.001	<0.001	<0.003	686	Clear Slight odor
5	23.11	37.65	2.3	8	5/14/2013	1,200	3,850	<0.001	<0.001	<0.001	<0.003	961	Clear Slight odor
5	23.68	37.65	2.2	8	8/14/2013	1,070	3,600	<0.001	<0.001	<0.001	<0.003	802	Clear Slight odor
5	23.77	37.65	2.2	8	10/31/2013	1,000	3,460	<0.001	<0.001	<0.001	<0.003	750	Clear Slight odor
5	23.35	37.65	2.3	8	2/18/2014	1,000	3,540	<0.001	<0.001	<0.001	<0.003	850	Clear Slight odor
5	23.22	37.65	2.3	8	4/24/2014	1,060	3,690	<0.001	<0.001	<0.001	<0.003	860	Clear Slight odor
5	24.27	37.65	2.1	8	7/31/2014	1,040	3,520	<0.001	<0.001	<0.001	<0.003	955	Clear Slight odor
5	23.26	37.65	2.3	8	11/6/2014	1,100	3,500	<0.001	<0.001	<0.001	<0.003	549	Clear Slight odor
5	23	37.65	2.3	8	2/12/2015	1,040	3,760	<0.001	<0.001	<0.001	<0.003	869	Clear Slight odor
5	22.67	37.65	2.4	8	5/6/2015	1,200	4,090	<0.001	<0.001	<0.001	<0.003	977	Clear Slight odor
5	23.45	37.65	2.3	8	8/11/2015	1,220	4,350	<0.001	<0.001	<0.001	<0.003	1,270	Clear Slight odor
5	23.18	37.65	2.3	8	11/5/2015	1,360	4,060	<0.001	<0.001	<0.001	<0.003	353	Clear Slight odor
5	22.74	37.65	2.3	8	2/10/2016	1,240	4,160	<0.001	<0.001	<0.001	<0.003	1,060	Clear Slight odor
5	22.52	37.65	2.4	8	5/9/2016	1,080	3,860	<0.001	<0.001	<0.001	<0.003	979	Clear Slight odor

5 23.13 37.65 2.3 8 9/8/2016 1,120 3.700 <0.001					-							-	
5 22.38 37.65 2.4 8 2/16/2017 1,180 3,710 <0.001 <0.001 <0.003 975 Clear Slight odor 5 22.18 37.65 2.5 8 4/28/2017 1,160 3,940 <0.001		23.13	37.65	2.3	8	9/8/2016	1,120 3,790	<0.001	<0.001	<0.001	<0.003	905	Clear Slight odor
5 22.18 37.65 2.5 8 4/28/2017 1,180 3,760 <0.001 <0.001 <0.003 1,050 Clear Slight odor 5 22.88 37.65 2.5 8 9/5/2017 1,160 3,940 <0.001	5	22.62	37.65	2.4	8	11/8/2016	1,300 4,010	<0.001	<0.001	<0.001	<0.003	1,020	Clear Slight odor
5 22.88 37.65 2.5 8 9/5/2017 1,160 3,940 <0.001 <0.001 <0.003 941 Clear Slight odor 5 22.82 37.65 2.5 8 11/8/2017 1,060 3,570 <0.001	5	22.38	37.65	2.4	8	2/16/2017	1,180 3,710	<0.001	<0.001	<0.001	<0.003	975	Clear Slight odor
5 22.82 37.65 2.5 8 11/8/2017 1,060 3,570 <0.001 <0.001 <0.003 926 Clear Slight odor 5 22.28 37.65 2.5 8 2/23/2018 1,060 3,690 <0.001	5	22.18	37.65	2.5	8	4/28/2017	1,180 3,760	<0.001	<0.001	<0.001	<0.003	1,050	Clear Slight odor
5 22.28 37.65 2.5 8 2/23/2018 1,060 3,690 <0.001 <0.001 <0.003 974 Clear Slight odor 5 22.35 37.65 2.4 8 5/8/2018 1,230 3,890 <0.001	5	22.88	37.65	2.5	8	9/5/2017	1,160 3,940	<0.001	<0.001	<0.001	<0.003	941	Clear Slight odor
5 22.35 37.65 2.4 8 5/8/2018 1,230 3,890 <0.001 <0.001 <0.003 1,120 Clear Slight odor 5 23.71 37.65 2.2 8 8/30/2018 1,140 3,500 <0.001	5	22.82	37.65	2.5	8	11/8/2017	1,060 3,570	<0.001	<0.001	<0.001	<0.003	926	Clear Slight odor
5 23.71 37.65 2.2 8 8/30/2018 1,140 3,500 <0.001 <0.001 <0.003 958 Clear Slight odor 5 23.02 37.65 2.3 8 11/8/2018 1,140 3,290 <0.001	5	22.28	37.65	2.5	8	2/23/2018	1,060 3,690	<0.001	<0.001	<0.001	<0.003	974	Clear Slight odor
5 23.02 37.65 2.3 8 11/8/2018 1,140 3,290 <0.001 <0.001 <0.003 992 Clear Slight odor 5 22.54 34.65 2.4 8 2/27/2019 1,280 3,450 <0.001	5	22.35	37.65	2.4	8	5/8/2018	1,230 3,890	<0.001	<0.001	<0.001	<0.003	1,120	Clear Slight odor
5 22.54 34.65 2.4 8 2/27/2019 1,280 3,450 <0.001 <0.001 <0.003 1,230 Clear Slight odor 5 22.57 34.65 2.4 8 5/22/2019 1,280 4,110 <0.001	5	23.71	37.65	2.2	8	8/30/2018	1,140 3,500	<0.001	<0.001	<0.001	<0.003	958	Clear Slight odor
5 22.57 34.65 2.4 8 5/22/2019 1,280 4,110 <0.001 <0.001 <0.003 1,060 Clear Slight odor 5 23.74 34.65 2.2 8 8/26/2019 1,100 3,610 <0.001	5	23.02	37.65	2.3	8	11/8/2018	1,140 3,290	<0.001	<0.001	<0.001	<0.003	992	Clear Slight odor
5 23.74 34.65 2.2 8 8/26/2019 1,100 3,610 <0.001 <0.001 <0.003 806 Clear Slight odor 5 23.32 34.65 2.3 8 11/13/2019 1,040 3,420 <0.001	5	22.54	34.65	2.4	8	2/27/2019	1,280 3,450	<0.001	<0.001	<0.001	<0.003	1,230	Clear Slight odor
5 23.32 34.65 2.3 8 11/13/2019 1,040 3,420 <0.001 <0.001 <0.003 792 Clear Slight odor 5 22.65 37.65 2.4 8 3/2/2020 1,090 3,530 <0.001	5	22.57	34.65	2.4	8	5/22/2019	1,280 4,110	<0.001	<0.001	<0.001	<0.003	1,060	Clear Slight odor
5 22.65 37.65 2.4 8 3/2/2020 1,090 3,530 <0.001 0.002 <0.003 1,800 Clear Slight odor 5 23.37 37.65 2.3 8 9/8/2020 980 3,350 <0.001	5	23.74	34.65	2.2	8	8/26/2019	1,100 3,610	<0.001	<0.001	<0.001	<0.003	806	Clear Slight odor
5 23.37 37.65 2.3 8 9/8/2020 980 3,350 <0.001 <0.001 <0.003 629 Clear Slight odor 5 23.33 37.65 2.3 8 3/4/2021 1,040 3,350 <0.001	5	23.32	34.65	2.3	8	11/13/2019	1,040 3,420	<0.001	<0.001	<0.001	<0.003	792	Clear Slight odor
5 23.33 37.65 2.3 8 3/4/2021 1,040 3,350 <0.001 <0.001 <0.003 715 Clear Slight odor 5 22.37 37.65 2.3 8 6/8/2021 960 3,540 <0.001	5	22.65	37.65	2.4	8	3/2/2020	1,090 3,530	<0.001	0.002	<0.001	<0.003	1,800	Clear Slight odor
5 22.37 37.65 2.3 8 6/8/2021 960 3,540 <0.001 <0.001 <0.003 758 Clear Slight odor 5 23.88 37.65 2.2 8 9/7/2021 590 3,360 <0.001	5	23.37	37.65	2.3	8	9/8/2020	980 3,350	<0.001	<0.001	<0.001	<0.003	629	Clear Slight odor
5 23.88 37.65 2.2 8 9/7/2021 590 3,360 <0.001 <0.001 <0.003 860 Clear Slight odor 5 22.35 37.65 2.4 8 11/4/2021 1,050 3,440 <0.001	5	23.33	37.65	2.3	8	3/4/2021	1,040 3,350	<0.001	<0.001	<0.001	<0.003	715	Clear Slight odor
5 22.35 37.65 2.4 8 11/4/2021 1,050 3,440 <0.001 <0.001 <0.003 934 Clear Slight odor 5 24.1 37.65 2.2 8 2/24/2022 1,080 3,350 <0.001	5	22.37	37.65	2.3	8	6/8/2021	960 3,540	<0.001	<0.001	<0.001	<0.003	758	Clear Slight odor
5 24.1 37.65 2.2 8 2/24/2022 1,080 3,350 <0.001 <0.001 <0.003 725 Clear Slight odor 5 24.64 37.65 2.1 8 6/3/2022 1,060 3,400 <0.001	5	23.88	37.65	2.2	8	9/7/2021	590 3,360	<0.001	<0.001	<0.001	<0.003	860	Clear Slight odor
5 24.64 37.65 2.1 8 6/3/2022 1,060 3,400 <0.001	5	22.35	37.65	2.4	8	11/4/2021	1,050 3,440	<0.001	<0.001	<0.001	<0.003	934	Clear Slight odor
5 24.07 37.65 2.2 8 8/30/2022 1,060 3,340 <0.001	5	24.1	37.65	2.2	8	2/24/2022	1,080 3,350	<0.001	<0.001	<0.001	<0.003	725	Clear Slight odor
5 24.07 37.65 2.2 8 11/10/2022 960 3,380 <0.001 <0.001 <0.003 772 Clear Slight odor 5 23.57 37.65 2.3 8 3/13/2023 1,100 3,410 <0.001	5	24.64	37.65	2.1	8	6/3/2022	1,060 3,400	<0.001	<0.001	<0.001	<0.003	992	Clear Slight odor
5 23.57 37.65 2.3 8 3/13/2023 1,100 3,410 <0.001	5	24.07	37.65	2.2	8	8/30/2022	1,060 3,340	<0.001	<0.001	<0.001	<0.003	790	Clear Slight odor
5 23.4 37.65 2.3 8 6/1/2023 1,000 3,420 <0.001 <0.001 <0.003 862 Clear Slight odor 5 23.37 37.65 2.3 8 8/15/2023 1,050 3,350 <0.001	5	24.07	37.65	2.2	8	11/10/2022	960 3,380	<0.001	<0.001	<0.001	<0.003	772	Clear Slight odor
5 23.37 37.65 2.3 8 8/15/2023 1,050 3,350 <0.001	5	23.57	37.65	2.3	8	3/13/2023	1,100 3,410	<0.001	<0.001	<0.001	<0.003	901	Clear Slight odor
5 23.9 37.65 2.2 8 12/1/2023 1,000 3,200 <0.001 <0.001 <0.003 813 Clear Slight odor 5 23.53 37.65 2.3 8 3/7/2024 960 2,840 <0.001	5	23.4	37.65	2.3	8	6/1/2023	1,000 3,420	<0.001	<0.001	<0.001	<0.003	862	Clear Slight odor
5 23.53 37.65 2.3 8 3/7/2024 960 2,840 <0.001	5	23.37	37.65	2.3	8	8/15/2023	1,050 3,350	<0.001	<0.001	<0.001	<0.003	814	Clear Slight odor
5 23.73 37.65 2.2 8 5/24/2024 1,160 3,690 <0.001	5	23.9	37.65	2.2	8	12/1/2023	1,000 3,200	< 0.001	< 0.001	< 0.001	< 0.003	813	Clear Slight odor
5 24.66 37.65 2.1 8 8/5/2024 940 3,240 <0.001 <0.001 <0.003 886 Clear Slight odor	5	23.53	37.65	2.3	8	3/7/2024	960 2,840	< 0.001	< 0.001	< 0.001	< 0.003	907	Clear Slight odor
	5	23.73	37.65	2.2	8	5/24/2024	1,160 3,690	< 0.001	< 0.001	< 0.001	<0.003	903	Clear Slight odor
5 24.85 37.65 2 8 10/23/2024 1,000 3,070 <0.001 <0.001 <0.001 <0.003 757 Clear Slight odor	5	24.66	37.65	2.1	8	8/5/2024	940 3,240	< 0.001	< 0.001	< 0.001	< 0.003	886	Clear Slight odor
	5	24.85	37.65	2	8	10/23/2024	1,000 3,070	< 0.001	< 0.001	< 0.001	< 0.003	757	Clear Slight odor





March 20, 2024

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: EME JUNCTION H - 20

Enclosed are the results of analyses for samples received by the laboratory on 03/13/24 11:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/13/2024	Sampling Date:	03/07/2024
Reported:	03/20/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #1 (H241287-01)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.014	0.001	03/13/2024	ND	0.022	109	0.0200	0.0138	
Toluene*	< 0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.252	
Ethylbenzene*	0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.485	
Total Xylenes*	<0.003	0.003	03/13/2024	ND	0.062	103	0.0600	0.658	
Total BTEX	0.015	0.006	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	Έ	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1160	4.00	03/14/2024	ND	104	104	100	0.00	QM-07
Sulfate 375.4	mg/	Έ	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	801	125	03/14/2024	ND	18.0	90.0	20.0	0.829	
TDS 160.1	mg/	'L	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3480	5.00	03/15/2024	5.00	842	84.2	1000	1.64	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/13/2024	Sampling Date:	03/07/2024
Reported:	03/20/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #2 (H241287-02)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	03/13/2024	ND	0.022	109	0.0200	0.0138	
Toluene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.252	
Ethylbenzene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.485	
Total Xylenes*	<0.003	0.003	03/13/2024	ND	0.062	103	0.0600	0.658	
Total BTEX	<0.006	0.006	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	780	4.00	03/14/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	612	83.3	03/14/2024	ND	18.0	90.0	20.0	0.829	
TDS 160.1	mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2670	5.00	03/15/2024	5.00	842	84.2	1000	1.64	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/13/2024	Sampling Date:	03/07/2024
Reported:	03/20/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #3 (H241287-03)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.017	0.001	03/13/2024	ND	0.022	109	0.0200	0.0138	
Toluene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.252	
Ethylbenzene*	0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.485	
Total Xylenes*	<0.003	0.003	03/13/2024	ND	0.062	103	0.0600	0.658	
Total BTEX	0.018	0.006	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3 9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	850	4.00	03/14/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	761	125	03/14/2024	ND	18.0	90.0	20.0	0.829	
TDS 160.1	mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3360	5.00	03/15/2024	5.00	842	84.2	1000	1.64	

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/13/2024	Sampling Date:	03/07/2024
Reported:	03/20/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #4 (H241287-04)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	03/13/2024	ND	0.022	109	0.0200	0.0138	
Toluene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.252	
Ethylbenzene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.485	
Total Xylenes*	<0.003	0.003	03/13/2024	ND	0.062	103	0.0600	0.658	
Total BTEX	<0.006	0.006	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1 9	% 77.5-12	5						
Chloride, SM4500Cl-B mg/L		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	900	4.00	03/14/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	644	83.3	03/14/2024	ND	18.0	90.0	20.0	0.829	
TDS 160.1	mg/L		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2840	5.00	03/15/2024	5.00	842	84.2	1000	1.64	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/13/2024	Sampling Date:	03/07/2024
Reported:	03/20/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #5 (H241287-05)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	03/13/2024	ND	0.022	109	0.0200	0.0138	
Toluene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.252	
Ethylbenzene*	<0.001	0.001	03/13/2024	ND	0.021	107	0.0200	0.485	
Total Xylenes*	<0.003	0.003	03/13/2024	ND	0.062	103	0.0600	0.658	
Total BTEX	<0.006	0.006	03/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	960	4.00	03/14/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	'L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	907	125	03/14/2024	ND	18.0	90.0	20.0	0.829	
TDS 160.1	mg/	'L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

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 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

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LAB # FIELD CODE	C)	AN					V ImC		+		iter H	024		021E	021B	3.17	70C	etals	TCLP Volatiles	etic		Vol.	Sem	3082	es	BOD, TSS, pH	0	Ū	S	les	
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ONLY	(G)rab or (C)omp	8	WATER	SOIL	R	SLUDGE	HCL (4-40ml VOA)	HNO ₃	NaHSO4	H2SO4	NONE (1-1	DATE (2024)	TIME	MTB	BTEX	TPH	PAH 8270C	TCL	1C	11	RCI D	GC	GC	PCI	Pes	BO	Ca	An	Su	2 5	-
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3 Monitor Well #3	G	5	X	-	+	+	4		\vdash	+	1	3/7	15:15		x														-	x x	(
4 Monitor Well #4	G	5	X	-	+	+	4			+	1	3/7	10:4		x														X	x x	(
S Monitor Well #5	G	5	X	-	+	+	+ª	+	\square	+	·+-	1						-												-	+
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Released to Imaging: 7/2/2025 9:18:37 AM

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June 05, 2024

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: EME JUNCTION H - 20

Enclosed are the results of analyses for samples received by the laboratory on 05/29/24 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	05/29/2024	Sampling Date:	05/24/2024
Reported:	06/05/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #1 (H242965-01)

BTEX 8021B	mg/	′L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.018	0.001	05/29/2024	ND	0.017	87.0	0.0200	0.201	
Toluene*	<0.001	0.001	05/29/2024	ND	0.020	98.2	0.0200	0.490	
Ethylbenzene*	0.002	0.001	05/29/2024	ND	0.021	104	0.0200	0.977	
Total Xylenes*	<0.003	0.003	05/29/2024	ND	0.064	107	0.0600	0.809	
Total BTEX	0.020	0.006	05/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1070	4.00	05/30/2024	ND	112	112	100	3.64	
Sulfate 375.4	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	834	250	05/31/2024	ND	18.2	90.8	20.0	9.85	QM-07
TDS 160.1	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3470	5.00	06/04/2024	8.00	843	84.3	1000	0.716	

Cardinal Laboratories

*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	05/29/2024	Sampling Date:	05/24/2024
Reported:	06/05/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #2 (H242965-02)

BTEX 8021B	mg/	′L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	05/29/2024	ND	0.017	87.0	0.0200	0.201	
Toluene*	<0.001	0.001	05/29/2024	ND	0.020	98.2	0.0200	0.490	
Ethylbenzene*	<0.001	0.001	05/29/2024	ND	0.021	104	0.0200	0.977	
Total Xylenes*	<0.003	0.003	05/29/2024	ND	0.064	107	0.0600	0.809	
Total BTEX	<0.006	0.006	05/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	770	4.00	05/30/2024	ND	112	112	100	3.64	
Sulfate 375.4	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	709	125	05/31/2024	ND	18.2	90.8	20.0	9.85	
TDS 160.1	mg/	'L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2680	5.00	06/04/2024	8.00	843	84.3	1000	0.716	

Cardinal Laboratories

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mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	05/29/2024	Sampling Date:	05/24/2024
Reported:	06/05/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #3 (H242965-03)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.017	0.001	05/29/2024	ND	0.017	87.0	0.0200	0.201	
Toluene*	<0.001	0.001	05/29/2024	ND	0.020	98.2	0.0200	0.490	
Ethylbenzene*	0.002	0.001	05/29/2024	ND	0.021	104	0.0200	0.977	
Total Xylenes*	<0.003	0.003	05/29/2024	ND	0.064	107	0.0600	0.809	
Total BTEX	0.019	0.006	05/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	Έ.	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	970	4.00	05/30/2024	ND	112	112	100	3.64	
Sulfate 375.4	mg/	Έ	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	796	250	05/31/2024	ND	18.2	90.8	20.0	9.85	
TDS 160.1	mg/	'L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3290	5.00	06/04/2024	8.00	843	84.3	1000	0.716	

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mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	05/29/2024	Sampling Date:	05/24/2024
Reported:	06/05/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #4 (H242965-04)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.001	0.001	05/29/2024	ND	0.017	87.0	0.0200	0.201	
Toluene*	<0.001	0.001	05/29/2024	ND	0.020	98.2	0.0200	0.490	
Ethylbenzene*	<0.001	0.001	05/29/2024	ND	0.021	104	0.0200	0.977	
Total Xylenes*	<0.003	0.003	05/29/2024	ND	0.064	107	0.0600	0.809	
Total BTEX	<0.006	0.006	05/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1100	4.00	05/30/2024	ND	112	112	100	3.64	
Sulfate 375.4	mg/	Έ	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	839	250	05/31/2024	ND	18.2	90.8	20.0	9.85	
TDS 160.1	mg/	'L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3510	5.00	06/04/2024	8.00	843	84.3	1000	0.716	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	05/29/2024	Sampling Date:	05/24/2024
Reported:	06/05/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #5 (H242965-05)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	05/29/2024	ND	0.017	87.0	0.0200	0.201	
Toluene*	<0.001	0.001	05/29/2024	ND	0.020	98.2	0.0200	0.490	
Ethylbenzene*	< 0.001	0.001	05/29/2024	ND	0.021	104	0.0200	0.977	
Total Xylenes*	<0.003	0.003	05/29/2024	ND	0.064	107	0.0600	0.809	
Total BTEX	<0.006	0.006	05/29/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	Έ.	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1160	4.00	05/30/2024	ND	112	112	100	3.64	
Sulfate 375.4	mg/	Έ	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	903	250	05/31/2024	ND	18.2	90.8	20.0	9.85	
TDS 160.1	mg/	'L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3690	5.00	06/04/2024	8.00	843	84.3	1000	0.716	

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Mike Snyder For 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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Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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101 East Marland - Hobbs, NM 88240 Tel (575) 393-2326 Fax (575) 393-2476	ıal	L	ab	0	ra	to	or	ie	s,		n	c.				C	HAI	-	-		ID #									_		<u> </u>		8 of 8
Company Name: RICE Operating Company		BILL TO RICE	Ope	rati	ng Co	omp	pany			PO											ALY or S													Page
Project Manager: Katie Jones		122 W 1	Taylor	ddres Stree	t ~ Hob	bs, N	New N				7, Zip)																							Ч
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 Phone #:	-ax #:	(575)										397-1	471			5)		0B/200.																
(575) 393-9174 Project #: Project Name:	(575)	397-	1471	_		1	,	1	-	_			_			nded (C3		Hg 601	ена															
EME Junction H-20 Project Location: T20S-R37E-Sec20 H ~ Lea County - New M	exico		S	ampl	er Sign	ature	X	Ozar	ane J	ohns	son (5	75)631-	9310			005 Exter		Cr Pb Se	CLFDS					/625						HCO3)				24 Hours
TZUS-RSTE-Seczo TT Eca County How w				MA	TRIX		PF		ERV	DD	_	SAM	PLING T			05 / TX1(s Ba Cd	As Ba Co	iles			0B/624	I. 8270C		A/608		ut	g, Na, K)	SO4, CO3, HCO3)	01110	Solids		2
FIELD CODE	(G)rab or (C)omp	# CONTAINERS	щ		GE		HCL (4-40ml VOA)		04	ICE (1-11 Har HDPF)		DATE (2024)		MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	Metals Ag	Semi Volat	TCLP Pesticides		GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (CI, SO4	ites	Total Dissolved Solids	rides	Turn Around Time
(LAB USE)	(G)rab	# CON	WATER	SOIL	AIR SLUDGE		HCL	HNO ₃	NaHSO4		NONE	and the owner of the local division of the l	TIME	-	-	-	PAH	Total	TCLP		TCLP	RCI	GC/M	GCM	PCB's	Pestic	BOD,	Mois	Catio	Anio		X Tota	× Chlorides	Tur
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Received by OCD: 3/31/2025 9:57:50 AM

Released to Imaging: 7/2/2025 9:18:37 AM





August 14, 2024

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: EME JUNCTION H - 20

Enclosed are the results of analyses for samples received by the laboratory on 08/07/24 9:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/07/2024	Sampling Date:	08/05/2024
Reported:	08/14/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #1 (H244738-01)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	08/13/2024	ND	0.019	97.1	0.0200	1.30	
Toluene*	<0.001	0.001	08/13/2024	ND	0.018	87.8	0.0200	3.41	
Ethylbenzene*	<0.001	0.001	08/13/2024	ND	0.017	85.3	0.0200	6.85	
Total Xylenes*	<0.003	0.003	08/13/2024	ND	0.051	85.5	0.0600	7.26	
Total BTEX	<0.006	0.006	08/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.5	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1100	4.00	08/12/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	912	125	08/08/2024	ND	21.8	109	20.0	12.5	
TDS 160.1	mg/	L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3480	5.00	08/12/2024	ND	843	84.3	1000	0.691	

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/07/2024	Sampling Date:	08/05/2024
Reported:	08/14/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #2 (H244738-02)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	08/13/2024	ND	0.019	97.1	0.0200	1.30	
Toluene*	<0.001	0.001	08/13/2024	ND	0.018	87.8	0.0200	3.41	
Ethylbenzene*	<0.001	0.001	08/13/2024	ND	0.017	85.3	0.0200	6.85	
Total Xylenes*	<0.003	0.003	08/13/2024	ND	0.051	85.5	0.0600	7.26	
Total BTEX	<0.006	0.006	08/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.2 9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	810	4.00	08/12/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	774	125	08/08/2024	ND	21.8	109	20.0	12.5	
TDS 160.1	mg/	L	Analyze	d By: HM					
Analyte	Desult	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
	Result	Reporting Limit	Analyzeu	Ficulou Diarik	05	70 Recovery	The value Qe	Ni D	quanner

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/07/2024	Sampling Date:	08/05/2024
Reported:	08/14/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #3 (H244738-03)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	08/13/2024	ND	0.019	97.1	0.0200	1.30	
Toluene*	<0.001	0.001	08/13/2024	ND	0.018	87.8	0.0200	3.41	
Ethylbenzene*	<0.001	0.001	08/13/2024	ND	0.017	85.3	0.0200	6.85	
Total Xylenes*	<0.003	0.003	08/13/2024	ND	0.051	85.5	0.0600	7.26	
Total BTEX	<0.006	0.006	08/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.6	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	Έ.	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	920	4.00	08/12/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	Έ	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	874	125	08/08/2024	ND	21.8	109	20.0	12.5	
TDS 160.1	mg/	'L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3200	5.00	08/12/2024	ND	843	84.3	1000	0.691	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/07/2024	Sampling Date:	08/05/2024
Reported:	08/14/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #4 (H244738-04)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	08/13/2024	ND	0.019	97.1	0.0200	1.30	
Toluene*	<0.001	0.001	08/13/2024	ND	0.018	87.8	0.0200	3.41	
Ethylbenzene*	<0.001	0.001	08/13/2024	ND	0.017	85.3	0.0200	6.85	
Total Xylenes*	<0.003	0.003	08/13/2024	ND	0.051	85.5	0.0600	7.26	
Total BTEX	<0.006	0.006	08/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	85.8	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1100	4.00	08/12/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	917	125	08/08/2024	ND	21.8	109	20.0	12.5	
TDS 160.1	mg/	L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3470	5.00	08/12/2024	ND	843	84.3	1000	0.691	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/07/2024	Sampling Date:	08/05/2024
Reported:	08/14/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #5 (H244738-05)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	08/13/2024	ND	0.019	97.1	0.0200	1.30	
Toluene*	<0.001	0.001	08/13/2024	ND	0.018	87.8	0.0200	3.41	
Ethylbenzene*	<0.001	0.001	08/13/2024	ND	0.017	85.3	0.0200	6.85	
Total Xylenes*	<0.003	0.003	08/13/2024	ND	0.051	85.5	0.0600	7.26	
Total BTEX	<0.006	0.006	08/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	940	4.00	08/12/2024	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	886	125	08/08/2024	ND	21.8	109	20.0	12.5	
TDS 160.1	mg/	L	Analyze	d By: HM					
Analyte									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celeg 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 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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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November 04, 2024

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: EME JUNCTION H - 20

Enclosed are the results of analyses for samples received by the laboratory on 10/28/24 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	10/28/2024	Sampling Date:	10/23/2024
Reported:	11/04/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #1 (H246531-01)

mg/	L	Analyze	d By: JH					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.001	0.001	10/31/2024	ND	0.020	99.0	0.0200	1.93	
<0.001	0.001	10/31/2024	ND	0.019	97.0	0.0200	0.463	
0.009	0.001	10/31/2024	ND	0.019	96.5	0.0200	0.825	
<0.003	0.003	10/31/2024	ND	0.059	97.5	0.0600	1.26	
0.009	0.006	10/31/2024	ND					
102 9	% 77.5-12	5						
mg/	L	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1160	4.00	10/30/2024	ND	104	104	100	3.77	QM-07
mg/	L	Analyze	d By: CT					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
847	125	10/29/2024	ND	16.2	80.9	20.0	2.80	
mg/	L	Analyze	d By: CT					
Docult	Peporting Limit	Analyzed	Method Blank	BS	% Recoverv	True Value OC	RPD	Qualifier
Result	Reporting Limit	/ indiy2ed		50	,		14.5	C
	Result <0.001 <0.003 <0.003 0.009 102 % mg/ Result 1160 mg/ Result 847 mg/	<0.001 0.001 <0.001 0.001 <0.009 0.001 <0.003 0.003 0.009 0.006 102 % 77.5-12 mg/L Result Reporting Limit 1160 4.00 mg/L Result Reporting Limit 847 125 mg/L						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	10/28/2024	Sampling Date:	10/23/2024
Reported:	11/04/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #2 (H246531-02)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	10/31/2024	ND	0.020	99.0	0.0200	1.93	
Toluene*	< 0.001	0.001	10/31/2024	ND	0.019	97.0	0.0200	0.463	
Ethylbenzene*	< 0.001	0.001	10/31/2024	ND	0.019	96.5	0.0200	0.825	
Total Xylenes*	<0.003	0.003	10/31/2024	ND	0.059	97.5	0.0600	1.26	
Total BTEX	<0.006	0.006	10/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	820	4.00	10/30/2024	ND	104	104	100	3.77	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	654	83.3	10/29/2024	ND	16.2	80.9	20.0	2.80	
TDS 160.1	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	2760	5.00	10/31/2024	ND	864	86.4	1000	2.73	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	10/28/2024	Sampling Date:	10/23/2024
Reported:	11/04/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #3 (H246531-03)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte R		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	10/31/2024	ND	0.020	99.0	0.0200	1.93	
Toluene*	<0.001	0.001	10/31/2024	ND	0.019	97.0	0.0200	0.463	
Ethylbenzene*	<0.001	0.001	10/31/2024	ND	0.019	96.5	0.0200	0.825	
Total Xylenes*	<0.003	0.003	10/31/2024	ND	0.059	97.5	0.0600	1.26	
Total BTEX	<0.006	0.006	10/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1080	4.00	10/30/2024	ND	104	104	100	3.77	
Sulfate 375.4	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	791	125	10/29/2024	ND	16.2	80.9	20.0	2.80	
TDS 160.1	mg/	L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	10/28/2024	Sampling Date:	10/23/2024
Reported:	11/04/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #4 (H246531-04)

BTEX 8021B	mg/	′L	Analyze	d By: JH					
Analyte Result		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	10/31/2024	ND	0.020	99.0	0.0200	1.93	
Toluene*	<0.001	0.001	10/31/2024	ND	0.019	97.0	0.0200	0.463	
Ethylbenzene*	<0.001	0.001	10/31/2024	ND	0.019	96.5	0.0200	0.825	
Total Xylenes*	<0.003	0.003	10/31/2024	ND	0.059	97.5	0.0600	1.26	
Total BTEX	<0.006	0.006	10/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1100	4.00	10/30/2024	ND	104	104	100	3.77	
Sulfate 375.4	mg/	′L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	791	125	10/29/2024	ND	16.2	80.9	20.0	2.80	
TDS 160.1	mg/L An		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3420	5.00	10/31/2024	ND	864	86.4	1000	2.73	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	10/28/2024	Sampling Date:	10/23/2024
Reported:	11/04/2024	Sampling Type:	Water
Project Name:	EME JUNCTION H - 20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T20S-R37E-SEC20 H-LEA CO NM		

Sample ID: MONITOR WELL #5 (H246531-05)

BTEX 8021B	mg/	'L	Analyze	d By: JH					
Analyte Result		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	10/31/2024	ND	0.020	99.0	0.0200	1.93	
Toluene*	<0.001	0.001	10/31/2024	ND	0.019	97.0	0.0200	0.463	
Ethylbenzene*	<0.001	0.001	10/31/2024	ND	0.019	96.5	0.0200	0.825	
Total Xylenes*	<0.003	0.003	10/31/2024	ND	0.059	97.5	0.0600	1.26	
Total BTEX	<0.006	0.006	10/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500Cl-B (Water)	mg/	Έ.	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1000	4.00	10/30/2024	ND	104	104	100	3.77	
Sulfate 375.4	mg/	Έ	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	757	125	10/29/2024	ND	16.2	80.9	20.0	2.80	
TDS 160.1	mg/L		Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3070	5.00	10/31/2024	ND	864	86.4	1000	2.73	

Cardinal Laboratories

*=Accredited Analyte

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 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

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1200-1071				Ŕ	M	ATR	R)	VT	P			VAT		s	AMPL	LING			IXI	a Cd	Ba Co				624	8270C/625		80	3		Va, K	CO3, HCO3)	shids		~ 24 Hours
1246531		du	CONTAINERS	\vdash				1	(YO			-	T	T			/602	602	418.1/TX1005 / TX1005 Extended (U30)	As B	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	0	TCLP Semi Volatiles	001	CCMAC VICI 8260B/624	GC/MS Semi Vol 8	:	PUBS 0002/000 Desticides 80810/608	H	Moisture Content	Cations (Ca, Mg, Na, K)	S04, 0	Sulfates Total Discolved Solids		Turn Around Time
LAB #	FIELD CODE	(G)rab or (C)omp	AN						HCL (4-40ml VOA)				ICE (1-1Liter HDPE)		UAIE (2024)		MTBE 8021B/602	BTEX 8021B/602	E la	als A	TCLP Metals Ag	TCLP Volatiles	TCLP Semi Vola		10	iner.		NOZI	ROD. TSS. pH	NO O	(Ca	Ū,	looo looo	ince se	no
LAB USE		o or	1 L	E		AIR	Ø		(4-40	33	NaHSO ₄	4	1-	Щ			Ш 80	8	TPH 418.1/	Met	PMe	2 N	P Se		1 SW		0 0 0	inide of	TSL	sture	ions	Anions (CI,	Sulfates	Chlorides	n Ar
ONLY		3)ral	8	WATER	SOIL	R	2		힞	NH	AaH	H ₂ SO ₄	빙	NONE		TIME	MTB	BTE	HAL	Tota	TCL	10	12						POL L	Mo	Cat	Ani	Sul F	5 5	
1	No. 14 - 18/-11 #4	G	*	X	100			1	4	-	-		1	-	and the owner where the owner w	15:20		x															-	x)	x
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	Monitor Well #3	G	5	x	\vdash	\vdash	\square		4				1	10)/23	12:05		х						\downarrow	\perp		\downarrow	\perp	+	+	+	\square	X	-	
	Monitor Well #4	G	5	x	\square	\top	\square		4				1	10)/23	13:30		х						\downarrow	\downarrow	+	+	+	+	+	+	\square		-	×
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Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

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Action 447107

CONDITIONS

Operator:	OGRID:
RICE OPERATING COMPANY	19174
PO Box 5630	Action Number:
Hobbs, NM 88241	447107
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

CONDITIONS		
Created By		Condition Date
amaxwell	Report accepted for record.	7/2/2025
amaxwell	Continue with monitoring and sampling activities.	7/2/2025
amaxwell	Submit a C-141N for all monitoring and sampling activities.	7/2/2025