

TABLE 1
TUTTLE L 16-7
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-trimethylbenzene (µg/L)	1,3,5-trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
GW01	11/4/2016	5,340	<4.00	198	270	NA	NA	NA	NA	NA	NA	~10*	NM
BH01	11/23/2016	13,500	<4.00	369	4,950	NA	NA	NA	NA	NA	NA	9.75	4867.95
	4/26/2017					Monitoring well not located, possibly destroyed						NM	NA
BH01R	11/9/2017	1,180	<4.00	57.3	287	NA	NA	NA	NA	NA	NA	9.94	4868.62
	1/10/2018	675	<10.0	42.2	155	NA	NA	NA	NA	NA	NA	9.97	4868.59
	4/9/2018	913	<4.00	38.7	92.6	NA	NA	NA	NA	NA	NA	10.30	4868.26
	7/25/2018	416	<10.0	24.9	63.6	NA	NA	NA	NA	NA	NA	10.22	4868.34
	10/9/2018	337	<10.0	20.8	<10.0	NA	NA	NA	NA	NA	NA	10.56	4868.00
	1/4/2019	71.6	<4.00	4.28	14.8	NA	NA	NA	NA	NA	NA	10.75	4867.81
	2/15/2019	Monitoring well abandoned during excavation activities										NM	NA
BH01R2	6/18/2019	420	<10.0	75.6	202	NA	NA	NA	NA	NA	NA	11.19	4867.66
	9/9/2019	137	<10.0	31.1	76.9	NA	NA	NA	NA	NA	NA	10.65	4868.20
	12/23/2019	12.1	<10.0	<10.0	<10.0	NA	NA	NA	NA	NA	NA	10.66	4868.19
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.76	4868.09
	6/5/2020	3.05	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.13	4868.72
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.59	4868.26
	12/22/2020	1.12	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.92	4867.93
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,750,000	148,000	278,000	11.28	4867.57
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	1.37	<1.00	1,420,000	141,000	155,000	10.54	4868.31
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,840,000	148,000	252,000	10.64	4868.21
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,510,000	147,000	244,000	11.23	4867.62
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,370,000	153,000	189,000	11.58	4867.27
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,490,000	142,000	147,000	11.86	4866.99
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,400,000	162,000	154,000	12.21	4866.64
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,310,000	158,000	83,400	12.33	4866.52
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,330,000	148,000	65,700	12.77	4866.08
	6/2/2023	<1.00	<1.00	1.04	<1.00	<2.00	3.58	<2.00	1,050,000	117,000	114,000	10.89	4867.96
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,600,000	149,000	503,000	10.63	4868.22
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,150,000	151,000	187,000	11.17	4867.68
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,200,000	145,000	157,000	11.52	4867.33
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,200,000	159,000	89,100	11.64	4867.21
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,280,000	148,000	68,800	12.36	4866.49
BH02	11/23/2016	Dry – No Sample Collected										NM	NA
	4/26/2017	Not Sampled - Obstruction at 9.16 feet										NM	NA
	7/7/2017	Not Sampled - Obstruction at 9.16 feet										NM	NA
	8/3/2017	Monitoring well abandoned										NM	NA
BH02R	11/9/2017	Not sampled – Unable to locate well										NM	NA
	11/14/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.45	4868.81
	1/10/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.53	4868.73
	4/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.81	4868.45
	7/25/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.80	4868.46
	10/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.11	4868.15
	1/4/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.30	4867.96
	6/18/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.29	4867.97
	9/9/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.72	4868.54

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ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.83	4868.43
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.95	4868.31
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.25	4869.01
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.86	4868.40
	12/22/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.21	4868.05
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	364,000	110,000	82,500	11.51	4867.75
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	943,000	116,000	96,300	10.70	4868.56
	9/3/2021	Monitoring well destroyed										NM	NA
BH04	11/23/2016	10,300	<4.00	170	1,980	NA	NA	NA	NA	NA	NA	10.04	4867.80
	4/26/2017	7,250	<100	132	1,970	NA	NA	NA	NA	NA	NA	10.51	4867.33
	7/7/2017	<1.00	<1.00	6.75	<1.00	NA	NA	NA	NA	NA	NA	9.27	4868.57
	11/9/2017	5,110	<1.00	149	1,170	NA	NA	NA	NA	NA	NA	9.40	4868.44
	1/10/2018	4,220	<50.0	130	1,490	NA	NA	NA	NA	NA	NA	9.47	4868.37
	4/9/2018	2,870	<50.0	111	1,400	NA	NA	NA	NA	NA	NA	9.85	4867.99
	7/25/2018	3,330	<50.0	127	1,220	NA	NA	NA	NA	NA	NA	9.76	4868.08
	10/9/2018	3,270	<50.0	112	1,140	NA	NA	NA	NA	NA	NA	10.03	4867.81
	1/4/2019	1,760	<50.0	87.0	718	NA	NA	NA	NA	NA	NA	10.19	4867.65
	2/15/2019	Monitoring well abandoned during excavation activities										NM	NA
BH04R	6/18/2019	55.5	<50.0	<50.0	57.5	NA	NA	NA	NA	NA	NA	10.86	4867.41
	9/9/2019	485	<50.0	<50.0	467	NA	NA	NA	NA	NA	NA	11.16	4867.11
	12/23/2019	286	<1.00	22.2	67.6	NA	NA	NA	NA	NA	NA	10.20	4868.07
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.33	4867.94
	6/5/2020	54.0	<1.00	3.12	12.7	NA	NA	NA	NA	NA	NA	9.68	4868.59
	9/4/2020	25.9	<1.00	3.11	13.5	NA	NA	NA	NA	NA	NA	10.24	4868.03
	12/22/2020	<1.00	<1.00	<1.00	11.1	NA	NA	NA	NA	NA	NA	10.55	4867.72
	3/10/2021	4.18	<1.00	1.38	8.31	<4.00	6.98	3.38	686,000	93,600	70,100	10.86	4867.41
	6/17/2021	1.37	<1.00	<1.00	<1.00	<4.00	3.96	<1.00	714,000	102,000	68,300	10.17	4868.10
	9/3/2021	6.55	<1.00	<1.00	2.76	<4.00	19.0	<1.00	757,000	109,000	37,100	10.26	4868.01
	12/20/2021	5.68	<1.00	1.67	11.6	<4.00	5.35	2.04	753,000	113,000	47,700	10.79	4867.48
	3/21/2022	5.31	<1.00	1.36	11.5	<2.00	6.93	<2.00	596,000	120,000	65,100	11.12	4867.15
	6/29/2022	3.95	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	756,000	110,000	56,900	11.52	4866.75
	9/27/2022	1.99	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	860,000	118,000	94,200	11.83	4866.44
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	816,000	118,000	115,000	11.93	4866.34
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	900,000	106,000	161,000	12.33	4865.94
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,590,000	108,000	534,000	10.41	4867.86
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,230,000	138,000	311,000	10.33	4867.94
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,100,000	147,000	205,000	10.33	4867.94
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	960,000	132,000	181,000	11.13	4867.14
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,040,000	143,000	160,000	11.29	4866.98
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	964,000	130,000	163,000	12.02	4866.25
BH08	11/23/2016	<4.00	<4.00	<4.00	<4.00	NA	NA	NA	NA	NA	NA	10.91	4867.98
	4/26/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.42	4867.47
	7/7/2017	1.09	<1.00	<1.00	1.14	NA	NA	NA	NA	NA	NA	10.08	4868.81
	11/9/2017	Not sampled – Unable to locate well										NM	NA
	11/14/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.28	4868.61
	1/10/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.36	4868.53
	4/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.77	4868.12

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ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
	7/25/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.62	4868.27
	10/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.96	4867.93
	1/4/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.15	4867.74
	2/15/2019	Monitoring well abandoned during excavation activities										NM	NA
BH08R	6/18/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.30	4867.72
	9/9/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.66	4868.36
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.79	4868.23
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.90	4868.12
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.20	4868.82
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.79	4868.23
	12/22/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.16	4867.86
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	846,000	141,000	170,000	11.46	4867.56
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,110,000	321,000	172,000	10.79	4868.23
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,290,000	443,000	169,000	10.78	4868.24
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	966,000	270,000	160,000	11.39	4867.63
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	976,000	223,000	178,000	11.73	4867.29
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	877,000	169,000	177,000	12.04	4866.98
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	964,000	163,000	194,000	12.40	4866.62
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	856,000	130,000	193,000	12.53	4866.49
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	816,000	90,400	189,000	12.95	4866.07
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,180,000	227,000	237,000	10.96	4868.06
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,220,000	375,000	256,000	10.78	4868.24
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,050,000	227,000	253,000	11.37	4867.65
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	920,000	131,000	261,000	11.68	4867.34
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	908,000	118,000	247,000	11.82	4867.20
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	832,000	104,000	238,000	12.57	4866.45
BH09	11/23/2016	2,280	<4.00	135	859	NA	NA	NA	NA	NA	NA	10.08	4867.47
	4/26/2017	2,110	<20.0	79.8	569	NA	NA	NA	NA	NA	NA	10.62	4866.93
	7/7/2017	2,620	<20.0	76.0	514	NA	NA	NA	NA	NA	NA	9.33	4868.22
	11/9/2017	1,910	<20.0	35.2	175	NA	NA	NA	NA	NA	NA	9.44	4868.11
	1/10/2018	2,200	<20.0	57.8	279	NA	NA	NA	NA	NA	NA	9.54	4868.01
	4/9/2018	2,590	<20.0	62.0	479	NA	NA	NA	NA	NA	NA	9.97	4867.58
	7/25/2018	4,000	<10.0	95.0	558	NA	NA	NA	NA	NA	NA	9.80	4867.75
	10/9/2018	3,530	<20.0	99.2	656	NA	NA	NA	NA	NA	NA	10.04	4867.51
	1/4/2019	526	<20.0	<20.0	70.8	NA	NA	NA	NA	NA	NA	10.23	4867.32
	2/15/2019	Monitoring well abandoned during excavation activities										NM	NA
BH09R	6/18/2019	680	<20.0	<20.0	116	NA	NA	NA	NA	NA	NA	10.42	4867.18
	9/9/2019	922	<50.0	<50.0	163	NA	NA	NA	NA	NA	NA	9.79	4867.81
	12/23/2019	1,320	<10.0	36.2	219	NA	NA	NA	NA	NA	NA	9.86	4867.74
	3/17/2020	1,020	<1.00	5.56	87.8	NA	NA	NA	NA	NA	NA	9.97	4867.63
	6/5/2020	676	<1.00	13.2	80.2	NA	NA	NA	NA	NA	NA	9.34	4868.26
	9/4/2020	1,330	<1.00	24.0	111	NA	NA	NA	NA	NA	NA	9.83	4867.77
	12/22/2020	918	<4.00	19.8	128	NA	NA	NA	NA	NA	NA	10.19	4867.41
	3/10/2021	669	<1.00	13.9	152	<40.0	142	64.7	796,000	260,000	12,800	10.58	4867.02
	6/17/2021	630	<1.00	14.0	128	6.17	113	24.0	1,190,000	448,000	<31,200	9.82	4867.78
	9/3/2021	548	<4.00	19.9	96.8	<16.0	93.0	25.7	1,310,000	653,000	<31,200	9.82	4867.78
	12/20/2021	790	<1.00	33.5	224	11.9	178	87.7	1,390,000	545,000	<31,200	10.41	4867.19

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ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
	3/21/2022	563	<1.00	24.2	182	9.24	180	57.4	952,000	395,000	<31,200	10.81	4866.79
	6/29/2022	462	<1.00	40.8	133	9.39	138	78.1	810,000	230,000	<31,200	11.16	4866.44
	9/27/2022	545	<1.00	22.4	117	8.75	120	49.5	720,000	192,000	47,900	11.39	4866.21
	12/5/2022	456	<1.00	3.03	143	6.09	160	51.6	724,000	162,000	<31,200	11.57	4866.03
	3/6/2023	225	<1.00	78.2	103	3.99	135	19.8	624,000	132,000	<31,200	12.00	4865.60
	6/2/2023	119	<1.00	<1.00	101	<2.00	64.3	7.23	1,050,000	388,000	<31,200	10.14	4867.46
	9/29/2023	44.3	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,350,000	604,000	<31,200	10.02	4867.58
	12/18/2023	67.0	<1.00	<1.00	13.1	<2.00	6.25	<2.00	976,000	415,000	<31,200	10.47	4867.13
	3/19/2024	99.6	<1.00	<1.00	13.2	2.46	11.2	4.10	780,000	266,000	<31,200	10.80	4866.80
	6/12/2024	145	<1.00	1.07	17.2	2.34	22.9	8.28	764,000	245,000	<31,200	11.06	4866.54
	9/20/2024	152	<1.00	<1.00	6.87	2.05	10.5	7.84	746,000	187,000	<31,200	11.72	4865.88
BH10	11/23/2016	<4.00	<4.00	<4.00	<4.00	NA	NA	NA	NA	NA	NA	10.26	4867.30
	4/26/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.70	4866.86
	7/7/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.34	4868.22
	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.42	4868.14
	1/10/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.60	4867.96
	4/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.01	4867.55
	7/25/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.81	4867.75
	10/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.09	4867.47
	1/4/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.34	4867.22
	6/18/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.43	4867.13
	9/9/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.81	4866.75
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.87	4867.69
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.99	4867.57
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.40	4868.16
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.78	4867.78
	12/22/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.18	4867.38
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	2,130,000	992,000	110,000	10.59	4866.97
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,410,000	467,000	144,000	9.82	4867.74
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,350,000	420,000	152,000	9.74	4867.82
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	1,610,000	573,000	152,000	10.43	4867.13
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,330,000	450,000	218,000	10.83	4866.73
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,390,000	283,000	201,000	11.16	4866.40
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,650,000	606,000	234,000	11.37	4866.19
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,860,000	796,000	298,000	11.60	4865.96
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,450,000	311,000	298,000	12.08	4865.48
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,030,000	175,000	113,000	10.16	4867.40
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,430,000	503,000	134,000	9.98	4867.58
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,580,000	648,000	191,000	10.30	4867.26
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,530,000	471,000	150,000	11.83	4865.73
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,520,000	605,000	140,000	11.06	4866.50
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,320,000	816,000	228,000	11.71	4865.85
BH11	11/9/2017	14,000	<4.00	151	5,820	NA	NA	NA	NA	NA	NA	9.82	4868.63
	1/10/2018	12,300	<100	188	6,480	NA	NA	NA	NA	NA	NA	9.88	4868.57
	4/9/2018	10,400	<100	102	5,440	NA	NA	NA	NA	NA	NA	10.30	4868.15
	7/25/2018	10,800	<100	174	5,010	NA	NA	NA	NA	NA	NA	10.19	4868.26
	10/9/2018	12,200	<100	162	5,290	NA	NA	NA	NA	NA	NA	10.48	4867.97
	1/4/2019	8,270	<100	120	3,590	NA	NA	NA	NA	NA	NA	10.63	4867.82

TABLE 1
TUTTLE L 16-7
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-trimethylbenzene (µg/L)	1,3,5-trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
2/15/2019		Monitoring well abandoned during excavation activities										NM	NA
BH11R	6/18/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.43	4867.56
	9/9/2019	1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.76	4868.23
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.76	4868.23
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.88	4868.11
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.27	4868.72
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.80	4868.19
	12/22/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	11.12	4867.87
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	5,640,000	497,000	2,310,000	11.41	4867.58
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	5,230,000	535,000	2,540,000	10.72	4868.27
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	5,530,000	524,000	2,630,000	10.83	4868.16
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	4,840,000	482,000	2,430,000	11.40	4867.59
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	5,020,000	480,000	2,510,000	11.75	4867.24
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	5,820,000	559,000	2,810,000	11.90	4867.09
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	5,640,000	1,200,000	2,840,000	12.22	4866.77
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	5,610,000	629,000	2,860,000	12.44	4866.55
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	5,160,000	463,000	2,950,000	12.87	4866.12
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	3,350,000	320,000	1,590,000	11.15	4867.84
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	4,890,000	441,000	2,520,000	10.85	4868.14
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	4,550,000	478,000	2,640,000	11.33	4867.66
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	4,650,000	438,000	2,390,000	11.70	4867.29
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	4,950,000	497,000	2,410,000	11.76	4867.23
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	5,970,000	670,000	2,830,000	12.24	4866.75
BH12	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.22	4868.29
	1/10/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.34	4868.17
	4/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.70	4867.81
	7/25/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.62	4867.89
	10/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.85	4867.66
	1/4/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.99	4867.52
	6/18/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.13	4867.38
	9/9/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.61	4866.90
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.55	4867.96
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.67	4867.84
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.11	4868.40
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.75	4867.76
	12/22/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.86	4867.65
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	786,000	81,200	197,000	10.24	4867.27
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	770,000	85,000	216,000	9.58	4867.93
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	761,000	66,500	213,000	9.69	4867.82
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	806,000	85,800	216,000	10.12	4867.39
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	820,000	99,500	231,000	10.48	4867.03
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	856,000	90,600	239,000	10.93	4866.58
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,060,000	96,600	229,000	11.20	4866.31
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	824,000	101,000	224,000	11.26	4866.25
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	684,000	74,900	212,000	11.67	4865.84
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,010,000	95,600	215,000	9.83	4867.68
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	984,000	94,600	330,000	9.81	4867.70
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	924,000	107,000	323,000	10.29	4867.22

TABLE 1
TUTTLE L 16-7
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-trimethylbenzene (µg/L)	1,3,5-trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	956,000	112,000	335,000	10.44	4867.07
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	864,000	121,000	310,000	10.73	4866.78
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	964,000	96,700	282,000	11.42	4866.09
BH13	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.08	4867.88
	1/10/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.21	4867.75
	4/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.61	4867.35
	7/25/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.49	4867.47
	10/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.67	4867.29
	1/4/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.89	4867.07
	6/18/2019	8.08	4.93	4.89	14.9	NA	NA	NA	NA	NA	NA	10.06	4866.90
	8/8/2019	1.64	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.70	4867.26
	9/9/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.44	4867.52
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.44	4867.52
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.58	4867.38
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.01	4867.95
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.47	4867.49
	12/22/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.72	4867.24
	3/10/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	890,000	85,100	177,000	9.78	4867.18
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	814,000	83,000	156,000	9.45	4867.51
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	912,000	99,100	172,000	9.45	4867.51
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	888,000	96,800	169,000	10.00	4866.96
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	830,000	92,600	165,000	10.40	4866.56
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	940,000	88,600	161,000	10.82	4866.14
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,490,000	109,000	192,000	11.02	4865.94
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,060,000	115,000	186,000	11.15	4865.81
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	900,000	106,000	182,000	11.57	4865.39
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,220,000	318,000	119,000	9.79	4867.17
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,160,000	273,000	113,000	9.82	4867.14
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	960,000	142,000	185,000	10.08	4866.88
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	882,000	119,000	157,000	10.45	4866.51
	6/12/2024	12.0	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	736,000	58,800	114,000	10.78	4866.18
	7/9/2024	5.18	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,160,000	63,100	95,100	10.83	4866.13
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	874,000	106,000	112,000	11.40	4865.56
BH14	11/9/2017	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.24	4866.79
	1/10/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.40	4867.63
	4/9/2018	1.42	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.79	4867.24
	7/25/2018	1.51	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.56	4867.47
	10/9/2018	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.82	4867.21
	1/4/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.07	4866.96
	6/18/2019	2.35	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	10.24	4866.79
	9/9/2019	1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.59	4867.44
	12/23/2019	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.63	4867.40
	3/17/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.72	4867.31
	6/5/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.14	4867.89
	9/4/2020	<1.00	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.49	4867.54
	12/22/2020	2.91	<1.00	<1.00	<1.00	NA	NA	NA	NA	NA	NA	9.90	4867.13
	3/10/2021	1.25	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	2,730,000	1,320,000	106,000	10.32	4866.71
	6/17/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	3,020,000	1,540,000	187,000	9.56	4867.47

TABLE 1
TUTTLE L 16-7
GROUNDWATER SAMPLE RESULTS SUMMARY TABLE
KERR-McGEE OIL AND GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-trimethylbenzene (µg/L)	1,3,5-trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
ECMC Allowable Levels (µg/L)		5	560	700	1400	140	67	67	1,612,500	553,750	326,250		
	9/3/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	2,510,000	1,310,000	182,000	9.55	4867.48
	12/20/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	2,940,000	1,320,000	143,000	10.13	4866.90
	3/21/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,690,000	1,520,000	170,000	10.57	4866.46
	6/29/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	3,310,000	1,760,000	218,000	10.96	4866.07
	9/27/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,130,000	1,110,000	232,000	11.05	4865.98
	12/5/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,780,000	902,000	103,000	11.28	4865.75
	3/6/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,230,000	1,130,000	151,000	11.74	4865.29
	6/2/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,880,000	931,000	259,000	9.98	4867.05
	9/29/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,720,000	692,000	199,000	9.83	4867.20
	12/18/2023	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,220,000	848,000	166,000	10.26	4866.77
	3/19/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,560,000	1,320,000	272,000	10.60	4866.43
	6/12/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	3,220,000	1,200,000	255,000	10.89	4866.14
	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	2,320,000	815,000	152,000	11.46	4865.57
BH15	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,440,000	328,000	97,000	10.27	4865.96
BH16	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,130,000	126,000	242,000	11.56	4865.23
BH17	9/20/2024	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	1,060,000	100,000	181,000	11.16	4865.83

Notes: ECMC - Colorado Energy and Carbon Management Commission µg/L - micrograms per liter
ft bgs - feet below ground surface < - less than laboratory reporting limit
NA - not analyzed/not available Excavation groundwater depth is approximate
NM - not measured
Corrected Relative GW Elev. is used when LNAPL is present.
BOLD = Analytical result is in exceedance of ECMC Table 915-1 groundwater standards.
Inorganic parameters based on maximum site-specific background location (BH08R) concentration x 1.25.