

TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
GW01	8/25/2009	410	5.7	30	170	7	NA
	3/11/2010	1300	260	85	520	4	NA
GW02	3/16/2010	<1.0	<1.0	<1.0	<1.0	4	NA
MW01	4/23/2008	<1.0	<1.0	<1.0	<1.0	3.90	NA
	1/6/2009	<1.0	<1.0	<1.0	<1.0	3.83	NA
	4/14/2009	2.9	4.2	1.2	15	3.96	NA
	7/10/2009	<1.0	<1.0	<1.0	2.1	3.54	NA
	MW01 destroyed as of 9/15/2009						
MW01R	12/22/2010	Not Found - Not Sampled				Not Found	NA
MW01R destroyed as of 2/10/2011							
MW02	4/23/2008	<1.0	<1.0	<1.0	<1.0	3.95	93.05
	1/6/2009	<1.0	<1.0	<1.0	<1.0	3.91	93.09
	4/14/2009	1.7	2.3	<1.0	7.8	3.81	93.19
	7/10/2009	<1.0	<1.0	<1.0	<1.0	3.61	93.39
	8/11/2010	<1.0	<1.0	<1.0	<1.0	3.15	93.85
	11/11/2010	<1.0	<1.0	<1.0	<1.0	3.25	93.75
	2/10/2011	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	5/26/2011	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	8/15/2011	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	11/18/2011	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	2/28/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	5/15/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	8/9/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	11/16/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	2/13/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	5/30/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	8/28/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	11/13/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	2/3/2014	<4.0	<4.0	<4.0	<4.0	1.91	95.09
	5/21/2014	Surveyed - Not Sampled				3.07	93.95
5/22/2014	<1.0	<1.0	<1.0	<1.0	Inaccessible	NA	
MW02 destroyed as of 8/1/2014							



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MW03	4/23/2008	3600	<1.0	430	3600	4.55	NA
	1/6/2009	1900	<1.0	16	24	4.61	NA
	4/14/2009	5100	1.2	2.9	24	4.74	NA
	7/10/2009	1400	<1.0	23	32	4.20	NA
MW03 destroyed as of 9/15/2009							
MW03R	12/22/2010	<1.0	<1.0	<1.0	<1.0	4.00	93.22
	2/10/2011	<1.0	<1.0	<1.0	<1.0	4.20	93.02
	5/26/2011	<1.0	<1.0	<1.0	<1.0	2.91	94.31
	8/15/2011	<1.0	<1.0	<1.0	<1.0	3.40	93.82
	11/18/2011	<1.0	<1.0	<1.0	<1.0	3.06	94.16
	2/28/2012	<1.0	<1.0	<1.0	<1.0	3.64	93.58
	5/15/2012	<1.0	<1.0	<1.0	<1.0	3.55	93.67
	8/9/2012	<1.0	<1.0	<1.0	<1.0	5.00	92.22
	11/16/2012	<1.0	<1.0	<1.0	<1.0	4.65	92.57
	2/13/2013	<1.0	<1.0	<1.0	<1.0	5.95	91.27
	5/30/2013	<1.0	<1.0	<1.0	<1.0	3.36	93.86
	8/28/2013	<1.0	<1.0	<1.0	<1.0	3.72	93.50
	11/13/2013	<1.0	<1.0	<1.0	<1.0	3.40	93.82
	2/3/2014	Not Found - Not Sampled				Not Found	NA
	5/21/2014	Surveyed - Not Sampled				3.51	93.87
	5/22/2014	<1.0	<1.0	<1.0	<1.0	3.11	94.29
	8/1/2014	<1.0	<1.0	<1.0	<1.0	2.64	94.74
	11/21/2014	<1.0	<1.0	<1.0	<1.0	3.23	94.15
	2/9/2015	<1.0	<1.0	<1.0	<1.0	3.29	94.09
	5/15/2015	<1.0	<1.0	<1.0	<1.0	2.80	94.58
	8/28/2015	<1.0	<1.0	<1.0	<1.0	3.01	94.37
	11/2/2015	<1.0	<1.0	<1.0	<1.0	3.18	94.20
	2/17/2016	<1.0	<1.0	<1.0	<1.0	2.40	94.98
	5/25/2016	<1.00	<1.00	<1.00	<1.00	3.65	93.73
	8/31/2016	<1.00	<1.00	<1.00	<1.00	3.01	94.37
	11/28/2016	<1.00	<1.00	<1.00	<1.00	3.44	93.94
	2/22/2017	<1.00	<1.00	<1.00	<1.00	3.60	93.78
	5/25/2017	<1.00	<1.00	<1.00	<1.00	2.24	95.14
	8/29/2017	<1.00	<1.00	<1.00	<1.00	2.89	94.49
	11/28/2017	<4.00	<4.00	<4.00	<4.00	2.63	94.75



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	2/2/2018	<1.00	<1.00	<1.00	<1.00	3.71	96.39
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	2.33	97.77
MW04	12/17/2010	<1.0	<1.0	<1.0	<1.0	1.88	93.98
	2/10/2011	<1.0	<1.0	<1.0	<1.0	1.95	93.91
	5/26/2011	<1.0	<1.0	<1.0	<1.0	0.94	94.92
	8/15/2011	<1.0	<1.0	<1.0	<1.0	1.49	94.37
	11/18/2011	<1.0	<1.0	<1.0	<1.0	1.22	94.64
	2/13/2012	<1.0	<1.0	<1.0	<1.0	1.95	93.91
	5/15/2012	<1.0	<1.0	<1.0	<1.0	1.86	94.00
	8/9/2012	<1.0	<1.0	<1.0	<1.0	2.86	93.00
	11/16/2012	<1.0	<1.0	<1.0	<1.0	2.35	93.51
	2/13/2013	<1.0	<1.0	<1.0	<1.0	3.60	92.26
	5/30/2013	<1.0	<1.0	<1.0	<1.0	1.30	94.56
	8/28/2013	<1.0	<1.0	<1.0	<1.0	1.55	94.31
	11/13/2013	<1.0	<1.0	<1.0	<1.0	1.21	94.65
	2/3/2014	<4.0	<4.0	<4.0	<4.0	2.29	93.57
	5/22/2014	<1.0	<1.0	<1.0	<1.0	PVC Broken	NA
MW04 destroyed as of 8/1/2014							
MW05	12/17/2010	160	48	<1.0	<1.0	3.13	92.94
	2/10/2011	130	6.5	<1.0	<1.0	3.37	92.70
	5/26/2011	20	<1.0	<1.0	<1.0	1.26	94.81
	8/15/2011	240	4.7	6.2	19	3.28	92.79
	11/18/2011	300	<1.0	4.6	18	2.19	93.88
	2/13/2012	360	<1.0	1.3	<1.0	1.80	94.27
	5/15/2012	7.6	<1.0	<1.0	<1.0	1.73	94.34
	8/9/2012	Insufficient Water - Not Sampled				5.55	90.52
	11/16/2012	240	<1.0	4.2	35	3.78	92.29
	2/13/2013	280	<1.0	5.5	33	PVC Blocked	NA
	5/30/2013	68	<1.0	<1.0	<1.0	3.80	92.27
	8/28/2013	180	<1.0	<1.0	<1.0	2.07	94.00
	11/13/2013	241	2.6	1.3	26.2	2.69	93.38
	2/3/2014	Frozen - Not Sampled				Frozen	NA
	5/21/2014	Surveyed - Not Sampled				2.17	94.09



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	5/22/2014	14.9	<4.0	<4.0	<4.0	1.11	95.12
	8/1/2014	165	<1.0	<1.0	<1.0	3.22	93.04
	11/21/2014	15	<1.0	<1.0	<1.0	1.32	94.94
	2/9/2015	2.2	<1.0	<1.0	<1.0	0.83	95.43
	5/15/2015	6.7	<1.0	<1.0	<1.0	0.83	95.43
	8/28/2015	196	1.2	<1.0	<1.0	2.79	93.47
	11/2/2015	55.7	<1.0	<1.0	<1.0	1.73	94.53
	2/17/2016	1.4	<1.0	<1.0	<1.0	0.34	95.92
	5/25/2016	2.76	<1.00	<1.00	<1.00	2.02	94.24
	8/31/2016	<1.00	<1.00	<1.00	<1.00	1.10	95.16
	11/28/2016	<1.00	<1.00	<1.00	<1.00	1.61	94.65
	2/22/2017	<1.00	<1.00	<1.00	<1.00	0.23	96.03
	5/25/2017	<1.00	<1.00	<1.00	<1.00	0.56	95.70
	8/29/2017	<1.00	<1.00	<1.00	<1.00	-0.46	96.72
	11/28/2017	<1.00	<1.00	<1.00	<1.00	-0.53	96.79
	2/2/2018	<1.00	<1.00	<1.00	<1.00	1.17	98.45
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	1.03	98.59
MW06	12/17/2010	<1.0	<1.0	<1.0	<1.0	2.28	93.31
	2/10/2011	<1.0	<1.0	<1.0	<1.0	3.50	93.09
	5/26/2011	<1.0	<1.0	<1.0	<1.0	1.31	94.28
	8/15/2011	<1.0	<1.0	<1.0	<1.0	1.90	93.69
	11/18/2011	<1.0	<1.0	<1.0	<1.0	1.67	93.92
	2/13/2012	<1.0	<1.0	<1.0	<1.0	2.35	93.24
	5/15/2012	<1.0	<1.0	<1.0	<1.0	2.27	93.32
	8/9/2012	<1.0	<1.0	<1.0	<1.0	3.47	92.12
	11/16/2012	<1.0	<1.0	<1.0	<1.0	2.83	92.76
	2/13/2013	<1.0	<1.0	<1.0	<1.0	4.33	91.26
	5/30/2013	<1.0	<1.0	<1.0	<1.0	1.45	94.14
	8/28/2013	<1.0	<1.0	<1.0	<1.0	1.65	93.94
	11/13/2013	<1.0	<1.0	<1.0	<1.0	1.55	94.04
	2/3/2014	<4.0	<4.0	<4.0	<4.0	2.90	92.69
	5/21/2014	Surveyed - Not Sampled				0.85	95.14
	5/22/2014	<1.0	<1.0	<1.0	<1.0	0.64	95.37
	8/1/2014	<1.0	<1.0	<1.0	<1.0	0.57	95.42



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	11/21/2014	<1.0	<1.0	<1.0	<1.0	0.84	95.15
	2/9/2015	<1.0	<1.0	<1.0	<1.0	1.08	94.91
	5/15/2015	<1.0	<1.0	<1.0	<1.0	0.54	95.45
	8/28/2015	<1.0	<1.0	<1.0	<1.0	0.73	95.26
	11/2/2015	<1.0	<1.0	<1.0	<1.0	0.78	95.21
	2/17/2016	<1.0	<1.0	<1.0	<1.0	0.63	95.36
	5/25/2016	<1.00	<1.00	<1.00	<1.00	1.04	94.95
	8/31/2016	<1.00	<1.00	<1.00	<1.00	0.55	95.44
	11/28/2016	<1.00	<1.00	<1.00	<1.00	1.10	94.89
	2/22/2017	<1.00	<1.00	<1.00	<1.00	1.32	94.67
	5/25/2017	<1.00	<1.00	<1.00	<1.00	0.58	95.41
	8/29/2017	<1.00	<1.00	<1.00	<1.00	0.72	95.27
	11/28/2017	<1.00	<1.00	<1.00	<1.00	0.61	95.38
	2/2/2018	<1.00	<1.00	<1.00	<1.00	1.63	97.67
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	0.95	98.35
MW07	12/17/2010	<1.0	<1.0	<1.0	<1.0	2.45	93.41
	2/10/2011	<1.0	<1.0	<1.0	<1.0	2.72	93.14
	5/26/2011	<1.0	<1.0	<1.0	<1.0	1.35	94.51
	8/15/2011	<1.0	<1.0	<1.0	<1.0	1.50	94.36
	11/18/2011	<1.0	<1.0	<1.0	<1.0	1.59	94.27
	2/13/2012	<1.0	<1.0	<1.0	<1.0	2.70	93.16
	5/15/2012	<1.0	<1.0	<1.0	<1.0	2.55	93.31
	8/9/2012	<1.0	<1.0	<1.0	<1.0	2.95	92.91
	11/16/2012	<1.0	<1.0	<1.0	<1.0	PVC Bent	NA
	2/13/2013	<1.0	<1.0	<1.0	<1.0	4.75	91.11
	5/30/2013	<1.0	<1.0	<1.0	<1.0	0.60	95.26
	8/28/2013	<1.0	<1.0	<1.0	<1.0	1.33	94.53
	11/13/2013	<1.0	<1.0	<1.0	<1.0	1.95	93.91
	2/3/2014	Damaged - Not Sampled				3.29	92.57
	5/21/2014	Surveyed - Not Sampled				0.79	95.08
	5/22/2014	Under Water - Not Sampled				0.66	95.26
	5/28/2014	<1.0	<1.0	<1.0	<1.0	1.11	94.81
	8/1/2014	<1.0	<1.0	<1.0	<1.0	0.44	95.43
	11/21/2014	<1.0	<1.0	<1.0	<1.0	0.90	94.97



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	2/9/2015	<1.0	<1.0	<1.0	<1.0	1.05	94.82
	5/15/2015	<1.0	<1.0	<1.0	<1.0	0.57	95.30
	8/28/2015	<1.0	<1.0	<1.0	<1.0	0.88	94.99
	11/2/2015	<1.0	<1.0	<1.0	<1.0	0.88	94.99
	2/17/2016	<1.0	<1.0	<1.0	<1.0	0.65	95.22
	5/25/2016	<1.00	<1.00	<1.00	<1.00	1.17	94.70
	8/31/2016	<1.00	<1.00	<1.00	<1.00	0.44	95.43
	11/28/2016	<1.00	<1.00	<1.00	<1.00	1.07	94.80
	2/22/2017	<1.00	<1.00	<1.00	<1.00	0.99	94.88
	5/25/2017	<1.00	<1.00	<1.00	<1.00	0.35	95.52
	8/29/2017	<1.00	<1.00	<1.00	<1.00	0.48	95.39
	11/28/2017	<1.00	<1.00	<1.00	<1.00	0.37	95.50
	2/2/2018	<1.00	<1.00	<1.00	<1.00	1.95	97.34
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	0.55	98.74
MW08	12/17/2010	59	<1.0	47	150	3.33	92.69
	2/10/2011	46	<1.0	19	31	3.69	92.33
	5/26/2011	34	<1.0	14	29	1.98	94.04
	8/15/2011	48	<1.0	28	56	2.23	93.79
	11/18/2011	58	<1.0	19	52	2.42	93.60
	2/13/2012	37	<1.0	8.7	<1.0	3.58	92.44
	5/15/2012	8.9	<1.0	<1.0	7.2	3.47	92.55
	8/9/2012	24	<1.0	1.6	6.6	2.98	93.04
	11/16/2012	56	<1.0	7.6	22	3.25	92.77
	2/13/2013	39	<1.0	2.6	3	5.68	90.34
	5/30/2013	45	<1.0	3.3	5.8	1.03	94.99
	8/28/2013	43	<1.0	<1.0	<1.0	2.39	93.63
	11/13/2013	47.4	<1.0	2.2	1.1	2.88	93.14
	2/3/2014	31.4	<4.0	<4.0	<4.0	4.26	91.76
	5/21/2014	Surveyed - Not Sampled				1.75	94.27
	5/22/2014	33.4	<1.0	1.6	<1.0	1.07	94.68
	8/1/2014	24.9	<1.0	<1.0	<1.0	0.57	95.45
	11/21/2014	31.8	<1.0	<1.0	<1.0	1.37	94.65
	2/9/2015	46.4	<1.0	4.9	<1.0	1.61	94.41
	5/15/2015	34	<4.0	<4.0	<4.0	1.00	95.02



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	8/28/2015	23.9	<1.0	<1.0	<1.0	1.49	94.53
	11/2/2015	18	<1.0	<1.0	<1.0	1.50	94.52
	2/17/2016	45.2	<1.0	1.9	1.0	0.26	95.76
	5/25/2016	13.5	<1.00	<1.00	<1.00	2.07	93.95
	8/31/2016	9.35	<1.00	<1.00	<1.00	0.38	95.64
	11/28/2016	19.7	<1.00	<1.00	<1.00	1.85	94.17
	2/22/2017	<1.00	<1.00	<1.00	<1.00	0.58	95.44
	5/25/2017	<1.00	<1.00	<1.00	<1.00	0.62	95.40
	8/29/2017	2.71	<1.00	<1.00	<1.00	0.08	95.94
	11/28/2017	<1.00	<1.00	<1.00	<1.00	-0.06	96.08
	2/2/2018	<1.00	<1.00	<1.00	<1.00	2.88	96.46
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	1.37	97.97
MW09	12/17/2010	520	<1.0	<1.0	<1.0	2.43	93.34
	2/10/2011	710	<1.0	18	74	2.59	93.18
	5/26/2011	170	<1.0	<1.0	2.5	1.01	94.76
	8/15/2011	6	<1.0	<1.0	<1.0	1.41	94.36
	11/18/2011	<1.0	<1.0	<1.0	<1.0	1.43	94.34
	2/13/2012	<1.0	<1.0	<1.0	<1.0	2.39	93.38
	5/15/2012	1.7	<1.0	<1.0	<1.0	2.34	93.43
	8/9/2012	260	<1.0	<1.0	<1.0	3.49	92.28
	11/16/2012	19	<1.0	<1.0	<1.0	2.49	93.28
	2/13/2013	330	<1.0	<1.0	<1.0	4.34	91.43
	5/30/2013	240	<1.0	<1.0	<1.0	1.14	94.63
	8/28/2013	<1.0	<1.0	<1.0	<1.0	1.64	94.13
	11/13/2013	261	<1.0	2.8	6.8	1.86	93.91
	2/3/2014	1170	<4.0	36.8	59.6	2.94	92.83
	5/21/2014	Surveyed - Not Sampled				1.13	94.66
	5/22/2014	Under Water - Not Sampled				0.81	94.93
	5/28/2014	266	<1.0	<1.0	<1.0	1.10	94.64
	8/1/2014	147	<1.0	<1.0	<1.0	0.26	95.53
	11/21/2014	12.8	<1.0	<1.0	2.2	0.92	94.87
	2/9/2015	541	<1.0	31.9	41.9	0.99	94.80
	5/15/2015	3.6	<1.0	<1.0	<1.0	0.30	95.49
	8/28/2015	18.2	<1.0	<1.0	<1.0	1.03	94.76



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	11/2/2015	24.7	<1.0	<1.0	<1.0	1.08	94.71
	2/17/2016	155	<1.0	2.0	<1.0	0.42	95.37
	5/25/2016	<1.00	<1.00	<1.00	<1.00	1.68	94.11
	8/31/2016	1.85	<1.00	<1.00	<1.00	0.37	95.42
	11/28/2016	<1.00	<1.00	<1.00	<1.00	1.23	94.56
	2/22/2017	4.67	<1.00	<1.00	<1.00	0.32	95.47
	5/25/2017	2.28	<1.00	<1.00	<1.00	0.14	95.65
	8/29/2017	<1.00	<1.00	<1.00	<1.00	-0.23	96.02
	11/28/2017	<1.00	<1.00	<1.00	<1.00	-0.35	96.14
	2/2/2018	340	20.5	6.04	27.7	1.82	97.30
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	41.4	<1.00	<1.00	<1.00	0.30	98.82
MW10	2/22/2011	<1.0	<1.0	<1.0	<1.0	NM	NA
	MW10 destroyed as of 5/26/2011						
MW10R	2/28/2012	<1.0	<1.0	<1.0	<1.0	2.48	NA
	5/15/2012	<1.0	<1.0	<1.0	<1.0	2.33	NA
	8/9/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	11/16/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	2/13/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	5/30/2013	<1.0	<1.0	<1.0	<1.0	0.70	NA
	MW10R destroyed as of 8/28/2013						
MW10R2	4/18/2014	<1.0	<1.0	<1.0	<1.0	5.47	NA
	5/21/2014	Surveyed - Not Sampled				1.84	91.14
	8/1/2014	<1.0	<1.0	<1.0	<1.0	0.40	95.58
	11/21/2014	<1.0	<1.0	<1.0	<1.0	1.37	94.61
	2/9/2015	<1.0	<1.0	<1.0	<1.0	1.60	94.38
	5/15/2015	<1.0	<1.0	<1.0	<1.0	0.85	95.13
	8/28/2015	<1.0	<1.0	<1.0	<1.0	1.24	94.74
	11/2/2015	<1.0	<1.0	<1.0	<1.0	1.36	94.62
	2/17/2016	<1.0	<1.0	<1.0	<1.0	0.23	95.75
	5/25/2016	<1.00	<1.00	<1.00	<1.00	1.87	94.11
	8/31/2016	<1.00	<1.00	<1.00	<1.00	0.06	95.92
	11/28/2016	<1.00	<1.00	<1.00	<1.00	1.89	94.09

TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	2/22/2017	<1.00	<1.00	<1.00	<1.00	0.99	94.99
	5/25/2017	<1.00	<1.00	<1.00	<1.00	0.85	95.13
	8/29/2017	<1.00	<1.00	<1.00	<1.00	0.77	95.21
	11/28/2017	<1.00	<1.00	<1.00	<1.00	0.61	95.37
	2/2/2018	<1.00	<1.00	<1.00	<1.00	3.02	96.34
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	1.40	97.96
MW11	2/22/2011	<1.0	<1.0	<1.0	<1.0	NM	NA
	MW11 destroyed as of 5/26/2011						
MW11R	2/28/2012	<1.0	<1.0	<1.0	<1.0	0.10	95.66
	5/15/2012	<1.0	<1.0	<1.0	<1.0	0.06	95.70
	8/9/2012	<1.0	13	<1.0	<1.0	2.82	92.94
	11/16/2012	<1.0	2100	<1.0	<1.0	2.77	92.99
	2/13/2013	<1.0	130	<1.0	<1.0	5.10	90.66
	5/30/2013	1.0	7.7	<1.0	<1.0	1.50	94.26
	8/28/2013	<1.0	<1.0	<1.0	<1.0	0.02	95.74
	11/13/2013	<1.0	<1.0	<1.0	<1.0	1.83	93.93
	2/3/2014	<4.0	<4.0	<4.0	<4.0	Inaccessible	NA
	5/21/2014	Surveyed - Not Sampled				0.11	95.63
	5/22/2014	Under Water - Not Sampled				-0.02	95.68
	5/28/2014	<1.0	<1.0	<1.0	<1.0	0.10	95.56
	8/1/2014	<1.0	4.3	<1.0	<1.0	0.15	95.59
	11/21/2014	1.5	<1.0	<1.0	<1.0	NM	NA
	2/9/2015	<1.0	<1.0	<1.0	<1.0	0.13	95.61
	5/15/2015	<1.0	<1.0	<1.0	<1.0	0.02	95.72
	8/28/2015	<1.0	<1.0	<1.0	<1.0	0.05	95.69
	11/2/2015	<1.0	<1.0	<1.0	<1.0	-0.14	95.88
	2/17/2016	<1.0	<1.0	<1.0	<1.0	-0.32	96.06
	5/25/2016	<1.00	<1.00	<1.00	<1.00	-0.08	95.82
	8/31/2016	<1.00	<1.00	<1.00	<1.00	-0.40	96.14
	11/28/2016	<1.00	<1.00	<1.00	<1.00	-0.12	95.86
	2/22/2017	<1.00	<1.00	<1.00	<1.00	-0.25	95.99
	5/25/2017	<1.00	<1.00	<1.00	<1.00	-0.15	95.89
	8/29/2017	<1.00	<1.00	<1.00	<1.00	-0.66	96.40



TABLE 1
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ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	11/28/2017	<1.00	<1.00	<1.00	<1.00	-0.72	96.46
	2/2/2018	Not Sampled				PVC Blocked	NA
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	-0.15	99.20
MW12	2/28/2012	<1.0	<1.0	<1.0	<1.0	3.09	NA
	5/15/2012	<1.0	<1.0	<1.0	<1.0	3.01	NA
	8/9/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	11/16/2012	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	2/13/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	5/30/2013	<1.0	<1.0	<1.0	<1.0	0.58	NA
	8/28/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	11/13/2013	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	2/3/2014	Not Found - Not Sampled				Not Found	NA
MW12 destroyed as of 5/22/2014							
MW13	4/18/2014	190	<1.0	1.5	2.6	4.68	NA
	5/21/2014	Surveyed - Not Sampled				2.52	93.50
	5/22/2014	Not Sampled				2.81	93.91
	8/1/2014	30.4	<1.0	<1.0	<1.0	2.27	93.75
	11/21/2014	87.6	<1.0	<1.0	<1.0	1.92	94.10
	2/9/2015	550	<1.0	1.7	<1.0	2.45	93.57
	5/15/2015	185	<1.0	<1.0	<1.0	0.84	95.18
	8/28/2015	240	<4.0	<4.0	<4.0	1.81	94.21
	11/2/2015	25.9	<4.0	<4.0	<4.0	2.03	93.99
	2/17/2016	86.1	<1.0	<1.0	<1.0	0.99	95.03
	5/25/2016	8.87	<1.00	<1.00	7.79	2.92	93.10
	8/31/2016	3.55	<1.00	<1.00	<1.00	1.69	94.33
	11/28/2016	<1.00	<1.00	<1.00	<1.00	2.27	93.75
	2/22/2017	33.7	<1.00	<1.00	<1.00	2.34	93.68
	5/25/2017	<1.00	<1.00	<1.00	<1.00	0.80	95.22
	8/29/2017	<1.00	<1.00	<1.00	<1.00	2.02	94.00
	11/28/2017	<1.00	<1.00	<1.00	<1.00	1.95	94.07
	2/2/2018	<1.00	<1.00	<1.00	<1.00	2.50	96.80
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	2.02	97.28



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW14	4/18/2014	<1.0	<1.0	<1.0	<1.0	6.76	NA
	5/21/2014	Surveyed - Not Sampled				3.44	93.68
	5/22/2014	Not Sampled				4.33	94.64
	8/1/2014	<1.0	<1.0	<1.0	<1.0	1.27	95.85
	11/21/2014	<1.0	<1.0	<1.0	<1.0	3.10	94.02
	2/9/2015	<1.0	<1.0	<1.0	<1.0	3.68	93.44
	5/15/2015	<1.0	<1.0	<1.0	<1.0	1.71	95.41
	8/28/2015	<1.0	<1.0	<1.0	<1.0	2.87	94.25
	11/2/2015	<1.0	<1.0	<1.0	<1.0	2.96	94.16
	2/17/2016	<1.0	<1.0	<1.0	<1.0	2.01	95.11
	5/25/2016	<1.00	<1.00	<1.00	<1.00	3.90	93.22
	8/31/2016	<1.00	<1.00	<1.00	<1.00	3.21	93.91
	11/28/2016	<1.00	<1.00	<1.00	<1.00	3.76	93.36
	2/22/2017	<1.00	<1.00	<1.00	<1.00	4.01	93.11
	5/25/2017	<1.00	<1.00	<1.00	<1.00	2.18	94.94
	8/29/2017	<1.00	<1.00	<1.00	<1.00	3.58	93.54
	11/28/2017	<1.00	<1.00	<1.00	<1.00	3.46	93.66
	2/2/2018	<1.00	<1.00	<1.00	<1.00	4.14	96.25
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	3.43	96.96
MW15	4/18/2014	<1.0	<1.0	<1.0	<1.0	6.60	NA
	5/21/2014	Surveyed - Not Sampled				3.32	93.81
	5/22/2014	Not Sampled				5.18	94.19
	8/1/2014	<1.0	<1.0	<1.0	<1.0	1.26	95.87
	11/21/2014	<1.0	<1.0	<1.0	<1.0	2.99	94.14
	2/9/2015	<1.0	<1.0	<1.0	<1.0	3.37	93.76
	5/15/2015	<1.0	<1.0	<1.0	<1.0	1.36	95.77
	8/28/2015	<1.0	<1.0	<1.0	<1.0	3.02	94.11
	11/2/2015	<1.0	<1.0	<1.0	<1.0	2.87	94.26
	2/17/2016	<1.0	<1.0	<1.0	<1.0	1.62	95.51
	5/25/2016	<1.00	<1.00	<1.00	<1.00	3.37	93.76
	8/31/2016	<1.00	<1.00	<1.00	<1.00	2.93	94.20
	11/28/2016	<1.00	<1.00	<1.00	<1.00	3.47	93.66
	2/22/2017	<1.00	<1.00	<1.00	<1.00	3.62	93.51



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	5/25/2017	<1.00	<1.00	<1.00	<1.00	2.15	94.98
	8/29/2017	<1.00	<1.00	<1.00	<1.00	2.66	94.47
	11/28/2017	<1.00	<1.00	<1.00	<1.00	2.76	94.37
	2/2/2018	<1.00	<1.00	<1.00	<1.00	3.65	96.78
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	<1.00	<1.00	<1.00	<1.00	3.14	97.29
MW16	8/1/2014	<1.0	<1.0	<1.0	<1.0	4.18	NA
	11/21/2014	<1.0	<1.0	<1.0	<1.0	6.06	NA
	2/9/2015	11.8	<1.0	<1.0	<1.0	6.41	NA
	5/15/2015	4.0	<1.0	<1.0	<1.0	4.85	NA
	8/28/2015	<1.0	<1.0	<1.0	<1.0	5.54	NA
	11/2/2015	<1.0	<1.0	<1.0	<1.0	5.89	NA
	2/17/2016	<1.0	<1.0	<1.0	<1.0	4.26	NA
	5/25/2016	<1.00	<1.00	<1.00	<1.00	6.76	NA
	8/31/2016	<1.00	<1.00	<1.00	<1.00	4.85	NA
	11/28/2016	<1.00	<1.00	<1.00	<1.00	2.94	NA
	2/22/2017	<1.00	<1.00	<1.00	<1.00	2.70	NA
	5/25/2017	4.31	<1.00	<1.00	<1.00	1.58	NA
	8/29/2017	<1.00	<1.00	<1.00	<1.00	2.28	NA
	11/28/2017	<1.00	<1.00	<1.00	<1.00	2.32	NA
	2/2/2018	5.84	<1.00	<1.00	<1.00	3.66	95.84
	4/10/2018	Surveyed - Not Sampled				NM	NA
	5/31/2018	1.84	<1.00	<1.00	<1.00	2.62	96.88
COGCC Allowable Levels		5	1000	700	1400		

Notes: COGCC - Colorado Oil and Gas Conservation Commission

ft bgs - feet below ground surface

NA - not analyzed/not available

NM - not measured

µg/L - micrograms per liter

< - less than laboratory reporting limit

Bold indicates result exceeds allowable level

Excavation groundwater depth is approximate



TABLE 2
SURFACE WATER ANALYTICAL RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
SW01	03/11/2010	260	1000	48	1100
SW02	03/16/2010	160	270	34	750
SW03	03/16/2010	<1.0	<20	<1.0	<1.0
	05/26/2011	<1.0	<1.0	<1.0	<1.0
	11/18/2011	<1.0	<1.0	<1.0	<1.0
	02/13/2012	<1.0	<1.0	<1.0	<1.0
	05/15/2012	<1.0	<1.0	<1.0	<1.0
	08/09/2012	<1.0	1.9	<1.0	<1.0
	11/16/2012	<1.0	<1.0	<1.0	<1.0
	02/13/2013	Frozen - Not Sampled			
	05/30/2013	<1.0	<1.0	<1.0	<1.0
	08/28/2013	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0
	02/03/2014	Frozen - Not Sampled			
	05/22/2014	<1.0	<1.0	<1.0	<1.0
	08/01/2014	<1.0	<1.0	<1.0	<1.0
	11/21/2014	Frozen - Not Sampled			
	02/09/2015	<1.0	<1.0	<1.0	<1.0
	05/15/2015	<1.0	<1.0	<1.0	<1.0
	08/28/2015	<1.0	<1.0	<1.0	<1.0
	11/02/2015	<1.0	<1.0	<1.0	<1.0
	02/17/2016	Frozen - Not Sampled			
	05/25/2016	<1.00	<1.00	<1.00	<1.00
	08/31/2016	<1.00	<1.00	<1.00	<1.00
	11/28/2016	<1.00	<1.00	<1.00	<1.00
	02/22/2017	<1.00	<1.00	<1.00	<1.00
	5/25/2017	<1.00	<1.00	<1.00	<1.00
	8/29/2017	<1.00	<1.00	<1.00	<1.00
	11/28/2017	<1.00	<1.00	<1.00	<1.00
	2/2/2018	<1.00	<1.00	<1.00	<1.00
	5/31/2018	<1.00	<1.00	<1.00	<1.00
SW04	03/16/2010	<1.0	<1.0	<1.0	<1.0



TABLE 2
SURFACE WATER ANALYTICAL RESULTS
ARISTOCRAT ANGUS RANCH #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
SW05	03/16/2010	<1.0	1.5	<1.0	<1.0
SW06	03/29/2010	<1.0	<1.0	<1.0	<1.0
SW07	05/26/2011	<1.0	<1.0	<1.0	<1.0
	11/18/2011	<1.0	<1.0	<1.0	<1.0
	02/13/2012	<1.0	<1.0	<1.0	<1.0
	05/15/2012	<1.0	<1.0	<1.0	<1.0
	08/09/2012	<1.0	<1.0	<1.0	<1.0
	11/16/2012	<1.0	<1.0	<1.0	<1.0
	02/13/2013	Frozen - Not Sampled			
	05/30/2013	<1.0	<1.0	<1.0	<1.0
	08/28/2013	<1.0	<1.0	<1.0	<1.0
	11/13/2013	<1.0	<1.0	<1.0	<1.0
	02/03/2014	Frozen - Not Sampled			
	05/22/2014	<1.0	<1.0	<1.0	<1.0
	08/01/2014	<1.0	<1.0	<1.0	<1.0
	11/21/2014	Frozen - Not Sampled			
	02/09/2015	<1.0	<1.0	<1.0	<1.0
	05/15/2015	<1.0	<1.0	<1.0	<1.0
	08/28/2015	<1.0	<1.0	<1.0	<1.0
	11/02/2015	<1.0	<1.0	<1.0	<1.0
	02/17/2016	Frozen - Not Sampled			
	05/25/2016	<1.00	<1.00	<1.00	<1.00
	08/31/2016	<1.00	<1.00	<1.00	<1.00
	11/28/2016	<1.00	<1.00	<1.00	<1.00
	2/22/2017	<1.00	<1.00	<1.00	<1.00
	5/25/2017	3.21	<1.00	<1.00	<1.00
	8/29/2017	<1.00	<1.00	<1.00	<1.00
	11/28/2017	<1.00	<1.00	<1.00	<1.00
	2/2/2018	<1.00	<1.00	<1.00	<1.00
	5/31/2018	<1.00	<1.00	<1.00	<1.00

Notes: COGCC - Colorado Oil and Gas Conservation Commission
µg/L - micrograms per liter
< - less than laboratory reporting limit





June 06, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Aristocrat Angus Ranch #1 Project Number - KMG05113/WO #884385

Attached are your analytical results for KMG - Aristocrat Angus Ranch #1 received by Origins Laboratory, Inc. May 31, 2018. This project is associated with Origins project number Y805456-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW03R	Y805456-01	Water	May 31, 2018 9:30	05/31/2018 14:50
MW05	Y805456-02	Water	May 31, 2018 9:35	05/31/2018 14:50
MW06	Y805456-03	Water	May 31, 2018 9:40	05/31/2018 14:50
MW07	Y805456-04	Water	May 31, 2018 9:45	05/31/2018 14:50
MW08	Y805456-05	Water	May 31, 2018 9:50	05/31/2018 14:50
MW09	Y805456-06	Water	May 31, 2018 9:55	05/31/2018 14:50
MW10R2	Y805456-07	Water	May 31, 2018 10:00	05/31/2018 14:50
MW11R	Y805456-08	Water	May 31, 2018 10:05	05/31/2018 14:50
MW13	Y805456-09	Water	May 31, 2018 10:10	05/31/2018 14:50
MW14	Y805456-10	Water	May 31, 2018 10:15	05/31/2018 14:50
MW15	Y805456-11	Water	May 31, 2018 10:20	05/31/2018 14:50
MW16	Y805456-12	Water	May 31, 2018 10:25	05/31/2018 14:50
SW03	Y805456-13	Water	May 31, 2018 10:30	05/31/2018 14:50
SW07	Y805456-14	Water	May 31, 2018 10:35	05/31/2018 14:50

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Brian Sulzberger

Project Number: KMG05113/WO #88438534

Project: KMG - Aristocrat Angus Ranch #1

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

ORIGINS
LABORATORY, INC

Y805456

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.	Project Manager: Brian Sulzberger
Project: KMG - Aristocrat Angus Ranch #1	Project Number: KMG05113/WO #88438534

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MM03R	Water	5-31-18	0930	JW	12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
02-001	MM05	Water		0935		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
03-001	MM06	Water		0940		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
04-001	MM07	Water		0945		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
05-001	MM08	Water		0950		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
06-001	MM09	Water		0955		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
07-001	MM10R2	Water		1000		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
08-001	MM11R	Water		1005		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
09-001	MM13	Water		1010		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
10-001	MM14	Water		1015		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
11-001	MM15	Water		1020		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 5-31-18

Received By: [Signature] Date / Time: 5-31-18 1450

Temperature on Receipt: 3.1

Turn Around Time: ☐ 72-hr ☒ Standard ☐ 24-hr ☐ 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

ORIGINS
LABORATORY, INC

4805456

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

12-001	MW16	Water	5-31-18	1025	DH	12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
13-001	SW03	Water	↓	1030	↓	12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
14-001	SW07	Water	↓	1035	↓	12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C

Temperature on Receipt: 31

Turn Around Time: ☐ 72-hr ☒ Standard

Same Day: ☐ 24-hr ☐ 48-hr

Relinquished By: _____ Date / Time: _____

Received By: _____ Date / Time: _____

Relinquished By: *[Signature]* Date / Time: 5-31-18 1450

Received By: *[Signature]* Date / Time: 5-31-18 1450

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y805456

Client: LTE

Client Project ID: KMG - Aristocrat Angus Ranch #1

Checklist Completed by: WKS JK

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/31/2018 1456

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 / 3.1 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Sampled same day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with Na ₂ SO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 6/1/18

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW03R

5/31/2018 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW05

5/31/2018 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y805456-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121	"	"	"
Surrogate: Toluene-d8	97.8 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW06

5/31/2018 9:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y805456-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	84-121	"	"	"
Surrogate: Toluene-d8	98.0 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW07

5/31/2018 9:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y805456-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

108 % 84-121
98.0 % 85-115
103 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW08

5/31/2018 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y805456-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	84-121	"	"	"
Surrogate: Toluene-d8	97.7 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW09

5/31/2018 9:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-06 (Water)

BTEX by EPA 8260C

Benzene	41.4	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW10R2

5/31/2018 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y805456-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121	"	"	"
Surrogate: Toluene-d8	99.1 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW11R

5/31/2018 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW13

5/31/2018 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

106 % 84-121
98.0 % 85-115
104 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW14

5/31/2018 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW15

5/31/2018 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	94.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

MW16

5/31/2018 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-12 (Water)

BTEX by EPA 8260C

Benzene	1.84	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	93.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.5 %	84-114			"	"	"	

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

SW03

5/31/2018 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y805456-13 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	94.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.5 %	84-114			"	"	"	

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LT Environmental, Inc.
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Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

SW07

5/31/2018 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y805456-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8F0402	06/04/2018	06/05/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.3 %	84-114			"	"	"	

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8F0402 - EPA 5030B (Water)										
Blank (B8F0402-BLK1)					Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5	101		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5	102		84-114			

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Brian Sulzberger
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Project: KMG - Aristocrat Angus Ranch #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8F0402 - EPA 5030B (Water)

Blank (B8F0402-BLK2)

Prepared: 06/04/2018 Analyzed: 06/04/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5	107		84-121			
Surrogate: Toluene-d8	61		"	62.5	98.1		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		84-114			

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Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8F0402 - EPA 5030B (Water)										
LCS (B8F0402-BS1)					Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	47.5	1.00	ug/L	50.0		95.0	73.3-129			
Toluene	47.8	1.00	"	50.0		95.7	76.2-123			
Ethylbenzene	52.6	1.00	"	50.0		105	73.6-130			
m,p-Xylene	105	2.00	"	100		105	76.1-126			
o-Xylene	51.6	1.00	"	50.0		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.6	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

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Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8F0402 - EPA 5030B (Water)										
LCS (B8F0402-BS2)					Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	46.9	1.00	ug/L	50.0		93.9	73.3-129			
Toluene	47.2	1.00	"	50.0		94.3	76.2-123			
Ethylbenzene	51.0	1.00	"	50.0		102	73.6-130			
m,p-Xylene	103	2.00	"	100		103	76.1-126			
o-Xylene	51.0	1.00	"	50.0		102	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.7	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

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Project: KMG - Aristocrat Angus Ranch #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8F0402 - EPA 5030B (Water)

Matrix Spike (B8F0402-MS1)		Source: Y805442-01			Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	46.2	1.00	ug/L	50.0	ND	92.3	74-130			
Toluene	44.6	1.00	"	50.0	ND	89.3	73-131			
Ethylbenzene	47.9	1.00	"	50.0	ND	95.8	76-132			
m,p-Xylene	95.5	2.00	"	100	ND	95.5	69-139			
o-Xylene	48.4	1.00	"	50.0	ND	96.9	74-131			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.1	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	84-114			

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Brian Sulzberger
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Project: KMG - Aristocrat Angus Ranch #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8F0402 - EPA 5030B (Water)

Matrix Spike (B8F0402-MS2)		Source: Y805442-03			Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	45.8	1.00	ug/L	50.0	ND	91.7	74-130			
Toluene	44.8	1.00	"	50.0	ND	89.5	73-131			
Ethylbenzene	47.2	1.00	"	50.0	ND	94.4	76-132			
m,p-Xylene	94.4	2.00	"	100	ND	94.4	69-139			
o-Xylene	47.2	1.00	"	50.0	ND	94.5	74-131			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.4	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8F0402 - EPA 5030B (Water)										
Matrix Spike Dup (B8F0402-MSD1)	Source: Y805442-01				Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	45.8	1.00	ug/L	50.0	ND	91.6	74-130	0.783	20	
Toluene	44.7	1.00	"	50.0	ND	89.4	73-131	0.201	20	
Ethylbenzene	47.6	1.00	"	50.0	ND	95.3	76-132	0.565	20	
m,p-Xylene	95.7	2.00	"	100	ND	95.7	69-139	0.157	20	
o-Xylene	48.2	1.00	"	50.0	ND	96.5	74-131	0.414	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.5	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	84-114			

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Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B8F0402 - EPA 5030B (Water)

Matrix Spike Dup (B8F0402-MSD2)		Source: Y805442-03			Prepared: 06/04/2018 Analyzed: 06/04/2018					
Benzene	46.8	1.00	ug/L	50.0	ND	93.5	74-130	1.99	20	
Toluene	45.5	1.00	"	50.0	ND	91.1	73-131	1.68	20	
Ethylbenzene	48.4	1.00	"	50.0	ND	96.8	76-132	2.53	20	
m,p-Xylene	97.6	2.00	"	100	ND	97.6	69-139	3.25	20	
o-Xylene	48.6	1.00	"	50.0	ND	97.2	74-131	2.86	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.6	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	84-114			

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Project Number: KMG05113/WO #88438534
Project: KMG - Aristocrat Angus Ranch #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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