

TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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	1/19/2010	18000	25000	540	7600	14	NA	
SB01GW	2/11/2015	12500	7590	915	13500	14	NA	
MW01	6/15/2010	7600	14000	650	10000	15.05	82.03	
	9/1/2010	19000	20000	440	5900	13.69	83.39	
	12/6/2010	29000	31000	730	12000	14.69	82.39	
	3/3/2011	8100	10000	430	7900	15.58	81.50	
	6/2/2011	1400	1700	280	3300	15.28	81.80	
	9/6/2011	9500	8900	450	7200	12.56	84.52	
	12/5/2011	12000	8700	540	8100	13.07	84.01	
	3/14/2012	2000	1800	240	4500	13.03	84.05	
	6/14/2012	2900	250	570	8600	9.76	87.32	
	9/14/2012	4400	4100	590	7400	15.55	81.53	
	12/11/2012	3700	14	750	11000	15.67	81.41	
	3/6/2013	Product - Not Sampled					17.78 (0.90)	79.30
	6/21/2013	Product - Not Sampled					16.48 (0.07)	80.60
	9/24/2013	2000	3900	470	7800	14.88	82.20	
	12/2/2013	Product - Not Sampled					14.33 (0.01)	82.75
	12/6/2013	Surveyed - Not Sampled					14.52	82.61
	3/22/2014	2210	539	552	6670	15.62	81.46	
	MW01 destroyed as of 4/28/2014							
MW01R	12/22/2014	6510	1240	813	10200	13.85	NA	
	3/18/2015	3260	37.7	612	8190	14.57	NA	
	6/17/2015	2750	153	607	8660	13.86	NA	
	9/22/2015	4380	<20.0	619	7420	12.86	NA	
	12/22/2015	5280	<20.0	588	6480	13.43	NA	
	3/10/2016	3930	<100	688	8100	14.45	NA	
	6/29/2016	1,150	<100	513	6,100	14.16	NA	
	9/27/2016	2,850	<20.0	557	6,580	NM	NA	
	12/20/2016	1,470	<1.00	451	4,200	14.17	NA	
	3/15/2017	232	<20.0	218	2,380	15.32	NA	
	6/28/2017	556	<4.00	274	2,190	NM	NA	
	9/28/2017	<1.00	<1.00	21.7	<1.00	12.90	NA	
	12/14/2017	1,400	<1.00	628	3,030	13.28	NA	



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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)	
MW02	6/15/2010	2000	1600	49	940	14.88	81.95	
	9/1/2010	760	28	5.9	150	13.54	83.29	
	12/6/2010	520	15	11	170	14.51	82.32	
	3/3/2011	1000	86	25	1400	15.45	81.38	
	6/2/2011	940	65	58	700	15.13	81.70	
	9/6/2011	2200	180	54	460	12.41	84.42	
	12/5/2011	13000	8400	540	8000	12.92	83.91	
	3/14/2012	400	62	88	800	12.94	83.89	
	6/14/2012	1600	8.9	97	1300	9.95	86.88	
	9/14/2012	830	440	140	1300	15.39	81.44	
	12/11/2012	1400	<1.0	130	1800	15.46	81.37	
	3/6/2013	Product - Not Sampled					17.38 (0.75)	79.45
	6/21/2013	Product - Not Sampled					16.28 (0.05)	80.55
	9/24/2013	950	1400	340	5100	14.68	82.15	
	12/2/2013	440	288	230	2910	14.12	82.71	
	12/6/2013	Surveyed - Not Sampled					14.31	82.57
	3/22/2014	151	<10.0	119	1630	15.43	81.40	
	7/15/2014	121	<10.0	216	1990	10.95	85.93	
	9/30/2014	Inaccessible - Not Sampled					Inaccessible	NA
	12/22/2014	Damaged - Not Sampled					14.14	86.32
3/18/2015	64.6	<1.0	174	1410	14.85	85.61		
6/17/2015	25.6	<10.0	128	1220	14.12	NA		
9/22/2015	25.4	<10.0	127	1010	PVC Blocked	NA		
MW02R	3/28/2016	Surveyed - Not Sampled					14.10	85.34
	9/27/2016	<1.00	<1.00	4.61	89.5	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA	
	10/16/2017	<1.00	<1.00	<1.00	3.80	12.84	86.95	
MW03	5/9/2013	2100	940	390	3900	15.61	77.79	
	6/21/2013	3500	1700	240	3200	14.85	80.43	
	9/24/2013	2800	570	170	2400	13.30	81.98	
	12/2/2013	2590	122	156	1680	12.64	82.64	
	12/6/2013	Surveyed - Not Sampled					12.91	82.46
	3/22/2014	3010	<20.0	134	1370	16.97	80.31	
	7/15/2014	887	<20.0	92.6	1650	10.55	84.82	
9/30/2014	Inaccessible - Not Sampled					Inaccessible	NA	



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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)
MW03 destroyed as of 7/15/2014							
MW03R	12/22/2014	6380	70.1	565	7560	13.32	86.39
	3/18/2015	5250	13.8	354	4090	14.01	85.70
	4/6/2015	Surveyed - Not Sampled				14.02	85.65
	6/17/2015	1220	<4.0	47.3	1000	13.29	86.38
	9/22/2015	841	<10.0	66.8	525	12.30	87.37
	9/27/2016	13.1	<10.0	20.9	400	NM	NA
	9/28/2017	69.4	<1.00	<1.00	<1.00	12.33	87.34
MW04	5/9/2013	280	150	77	850	15.45	77.88
	6/21/2013	Product - Not Sampled				14.90 (0.30)	80.17
	9/24/2013	170	15	65	820	13.00	82.07
	12/2/2013	Product - Not Sampled				12.48 (0.01)	82.59
	12/6/2013	Surveyed - Not Sampled				12.89	82.43
	3/22/2014	Damaged - Not Sampled				PVC Blocked	NA
	MW04 destroyed as of 7/15/2014						
MW04R	12/22/2014	4.8	<1.0	53.1	323	13.72	NA
	3/18/2015	4.1	<1.0	41.5	316	14.46	NA
	6/17/2015	3.3	<1.0	10.8	71.4	13.74	NA
	9/22/2015	17.2	<1.0	<1.0	2.7	12.73	NA
	12/22/2015	2.4	<1.0	8.9	35.9	13.32	NA
	3/10/2016	1.9	<1.0	3.0	8.6	14.35	NA
	6/29/2016	1.56	<1.00	1.45	1.26	14.04	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	28.2	<1.00	<1.00	14.07	NA
	3/15/2017	<1.00	34.2	<1.00	<1.00	15.20	NA
	6/28/2017	<1.00	2.36	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.77	NA
	12/14/2017	<4.00	<4.00	<4.00	<4.00	13.16	NA
MW05	5/9/2013	62	<1.0	180	1600	15.40	78.36
	6/21/2013	57	2.0	48	470	14.60	80.49
	9/24/2013	12	<1.0	18	73	13.20	81.89
	12/2/2013	9.1	<1.0	13.7	71.6	12.49	82.60
	12/6/2013	Surveyed - Not Sampled				12.83	82.48



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	3/22/2014	6.0	<1.0	14.9	105	13.75	81.34	
	MW05 destroyed as of 7/15/2014							
MW05R	12/22/2014	50.2	<1.0	68.3	405	13.67	86.35	
	4/6/2015	Surveyed - Not Sampled					14.39	85.63
	6/17/2015	26.6	<1.0	69.3	628	13.60	86.42	
	9/22/2015	16.8	<4.0	85.9	578	12.63	87.39	
	9/27/2016	<1.00	<1.00	15.5	193	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	21.8	12.72	87.30	
MW06	5/17/2013	2200	<1.0	130	2000	15.55	79.61	
	6/21/2013	1700	1.5	54	540	15.00	80.31	
	9/24/2013	380	<1.0	22	240	13.35	81.96	
	12/2/2013	274	<2.0	15.8	217	12.81	82.50	
	12/6/2013	Surveyed - Not Sampled					13.05	82.36
	3/22/2014	308	<1.0	6.9	47.6	14.09	81.22	
	MW06 destroyed as of 7/15/2014							
MW06R	12/22/2014	788	<1.0	95.4	1180	13.47	NA	
	3/18/2015	917	<1.0	59.9	842	14.10	NA	
	6/17/2015	874	<1.0	18.3	172	13.42	NA	
	9/22/2015	1540	<4.0	50.4	363	12.49	NA	
	9/27/2016	230	<10.0	13.3	66.2	NM	NA	
	9/28/2017	40.0	<1.00	<1.00	<1.00	12.50	NA	
MW07	5/17/2013	1200	1400	290	4000	15.35	79.54	
	6/21/2013	340	84	84	600	14.80	80.19	
	9/24/2013	75	3.2	6.3	42	13.00	81.99	
	12/2/2013	182	2.9	13.1	116	12.48	82.51	
	12/6/2013	Surveyed - Not Sampled					12.89	82.38
	3/22/2014	109	<2.0	<2.0	12.1	15.76	81.23	
	MW07 destroyed as of 7/15/2014							
MW07R	12/22/2014	806	3.8	372	5630	13.31	NA	
	3/18/2015	489	<20.0	418	5600	13.99	NA	
	6/17/2015	25.0	<1.0	1.4	5.6	13.08	NA	
	9/22/2015	7.6	<1.0	5.4	28.9	12.33	NA	



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	9/27/2016	4.50	<1.00	<1.00	4.45	NM	NA	
	9/28/2017	Not Found - Not Sampled					NM	NA
	10/16/2017	<4.00	<4.00	<4.00	<4.00	12.33	NA	
MW08	5/17/2013	4700	2000	130	2000	15.55	79.77	
	6/21/2013	Product - Not Sampled					14.90 (0.25)	80.17
	9/24/2013	Product - Not Sampled					13.08 (0.03)	81.99
	12/2/2013	2520	13.8	93.4	750	12.54	82.53	
	12/6/2013	Surveyed - Not Sampled					12.77	82.39
	3/22/2014	5190	<1.0	<1.0	17.8	13.83	81.24	
	7/15/2014	344	<50.0	<50.0	712	10.49	84.67	
	9/30/2014	Inaccessible - Not Sampled					Inaccessible	NA
	12/22/2014	3480	26.3	61.9	940	10.20	84.96	
	3/18/2015	2550	<20.0	21.8	357	10.89	84.27	
	6/17/2015	764	<10.0	<10.0	<10.0	11.19	NA	
	9/22/2015	1770	5.2	24.4	237	9.23	NA	
	9/27/2016	1,980	<10.0	<10.0	31.2	NM	NA	
	9/28/2017	73.7	11.0	1.94	30.9	9.31	NA	
MW09	5/17/2013	1500	150	170	1900	16.05	79.60	
	6/21/2013	2500	120	190	2600	15.08	80.37	
	9/24/2013	2300	4.6	110	2100	13.40	82.05	
	12/2/2013	3390	2.1	241	2920	12.87	82.58	
	12/6/2013	Surveyed - Not Sampled					13.15	82.43
	3/22/2014	794	<20.0	50.2	230	14.16	81.29	
	MW09 destroyed as of 7/15/2014							
MW09R	12/22/2014	1430	26.0	88.9	763	13.80	NA	
	3/18/2015	620	3.2	79.8	84.9	14.47	NA	
	6/17/2015	394	<1.0	68.5	25.8	13.78	NA	
	9/22/2015	399	<1.0	79.1	51.3	12.80	NA	
	9/27/2016	137	<4.00	37.7	38.7	NM	NA	
	9/28/2017	16.3	<1.00	<1.00	11.6	12.87	NA	
MW10	12/22/2014	<1.0	<1.0	<1.0	<1.0	13.79	NA	
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.41	NA	
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.74	NA	



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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)
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.79	NA
	12/22/2015	<1.0	<1.0	<1.0	<1.0	13.38	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	14.37	NA
	6/29/2016	<1.00	<1.00	<1.00	<1.00	14.05	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	14.02	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	15.24	NA
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.82	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	13.19	NA
MW11	12/22/2014	<1.0	<1.0	97.6	2010	13.83	86.55
	3/18/2015	<1.0	<1.0	5.9	80.6	14.53	85.85
	4/6/2015	Surveyed - Not Sampled				14.50	85.80
	6/17/2015	<1.0	<1.0	<1.0	3.6	13.75	86.55
	9/22/2015	<1.0	<1.0	<1.0	3.3	12.76	87.54
	12/22/2015	<1.0	<1.0	<1.0	3.4	13.30	87.00
	3/10/2016	<1.0	<1.0	2.0	23.3	14.33	85.97
	6/29/2016	<1.00	<1.00	<1.00	25.8	14.06	86.24
	9/27/2016	<1.00	<1.00	<1.00	3.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	3.68	14.17	NA
	3/15/2017	<1.00	<1.00	2.95	20.6	15.28	85.10
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	<1.00	<1.00	<1.00	<1.00	12.83	87.55
	12/14/2017	<1.00	<1.00	<1.00	3.78	13.28	87.10
MW12	12/22/2014	2700	1000	420	5140	13.58	NA
	3/18/2015	2520	314	330	3840	14.11	NA
	6/17/2015	1200	7.6	155	1280	13.62	NA
	9/22/2015	600	<10.0	177	1210	12.55	NA
	9/27/2016	310	<4.00	119	335	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.64	NA
MW13	12/22/2014	7160	476	294	4490	13.11	NA
	3/18/2015	6620	6.4	71.0	840	13.81	NA
	6/17/2015	5240	<1.0	21.5	209	13.11	NA



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	9/22/2015	4820	<20.0	<20.0	<20.0	12.06	NA
	12/22/2015	Not Found - Not Sampled				Not Found	NA
	3/10/2016	8230	<4.0	25.3	63.2	13.75	NA
	6/29/2016	3,710	<100	<100	<100	13.44	NA
	9/27/2016	3,020	<20.0	<20.0	<20.0	NM	NA
	12/20/2016	445	<4.00	<4.00	48.1	13.48	NA
	3/15/2017	81.1	<4.00	<4.00	32.4	14.61	NA
	6/28/2017	46.0	<1.00	3.27	28.8	NM	NA
	9/28/2017	358	<4.00	<4.00	125	12.16	NA
	12/14/2017	31.6	<1.00	2.68	20.1	12.55	NA
MW14	12/22/2014	2410	<1.0	113	3000	13.20	NA
	3/18/2015	2230	<20.0	91.4	1420	13.86	NA
	6/17/2015	469	<1.0	15.0	140	13.17	NA
	9/22/2015	4280	<4.0	29.0	351	13.14	NA
	9/27/2016	2,720	<1.00	29.5	149	NM	NA
	9/28/2017	35.2	<1.00	126	916	12.23	NA
MW15	12/22/2014	298	<1.0	3.2	184	13.47	NA
	3/18/2015	314	<1.0	1.2	40.1	14.12	NA
	6/17/2015	273	<1.0	4.5	29.9	13.43	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.57	NA
	12/22/2015	<1.0	<1.0	<1.0	<1.0	13.04	NA
	3/10/2016	1.4	<1.0	<1.0	<1.0	14.08	NA
	6/29/2016	<1.00	<1.00	1.00	<1.00	13.72	NA
	9/27/2016	<1.00	<1.00	3.04	<1.00	NM	NA
	12/20/2016	<4.00	<4.00	<4.00	<4.00	14.08	NA
	3/15/2017	<1.00	<1.00	12.1	<1.00	14.94	NA
	6/28/2017	<1.00	<1.00	8.86	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.47	NA
	12/14/2017	<4.00	<4.00	5.28	<4.00	12.87	NA
MW16	3/18/2015	844	<50.0	417	7080	14.40	NA
	6/17/2015	286	<1.0	169	1370	13.72	NA
	9/22/2015	53.0	<10.0	23.2	210	12.72	NA
	12/22/2015	135	<1.0	32.2	183	13.34	NA
	3/10/2016	147	<1.0	52.3	232	14.34	NA



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	6/29/2016	42.0	<4.00	57.4	118	14.02	NA	
	9/27/2016	5.29	<1.00	13.2	23.2	NM	NA	
	12/20/2016	6.62	<1.00	20.0	28.6	14.42	NA	
	3/15/2017	2.28	<1.00	9.31	27.4	15.68	NA	
	6/28/2017	1.11	<1.00	13.6	<1.00	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	13.24	NA	
	12/14/2017	1.04	<1.00	16.1	102	13.62	NA	
<hr/>								
MW17	2/19/2015	<1.0	<1.0	<1.0	3.7	14.07	85.66	
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.20	85.53	
	4/6/2015	Surveyed - Not Sampled					14.34	85.46
	6/17/2015	<1.0	<1.0	<1.0	<1.0	12.66	87.14	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.62	87.18	
	12/22/2015	<1.0	<1.0	<1.0	<1.0	13.26	86.54	
	3/10/2016	<1.0	<1.0	<1.0	<1.0	14.28	85.52	
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.92	85.88	
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA	
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.85	NA	
	3/15/2017	<1.00	<1.00	<1.00	<1.00	15.10	84.63	
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.64	87.09	
	12/14/2017	<1.00	<1.00	<1.00	<1.00	13.03	86.70	
<hr/>								
MW18	2/19/2015	<1.0	<1.0	<1.0	<1.0	13.88	NA	
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.03	NA	
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.38	NA	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.30	NA	
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.41	NA	
<hr/>								
MW19	3/18/2015	7590	38.8	557	972	13.45	85.45	
	4/6/2015	Surveyed - Not Sampled					13.94	85.44
	6/17/2015	6520	<1.0	147	1950	13.22	86.16	
	9/22/2015	Not Found - Not Sampled					Not Found	NA
	9/27/2016	466	<50.0	<50.0	<50.0	NM	NA	
	9/28/2017	Not Found - Not Sampled					NM	NA
	10/16/2017	255	<4.00	34.8	595	12.20	87.18	



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
MW20	3/18/2015	10500	1080	338	4580	13.49	NA
	6/17/2015	4830	<1.0	104	975	12.81	NA
	9/22/2015	10400	<20.0	83.6	1080	11.70	NA
	12/22/2015	5120	<100	<100	1030	12.39	NA
	3/10/2016	6120	110	<100	1510	13.28	NA
	6/29/2016	6,670	<100	<100	818	13.13	NA
	9/27/2016	5,440	<50.0	<50.0	466	NM	NA
	12/20/2016	38.8	<4.00	<4.00	<4.00	13.54	NA
	3/15/2017	117	3.06	5.09	19.2	14.74	NA
	6/28/2017	8.68	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	1,260	<1.00	11.9	49.9	12.29	NA
	12/14/2017	15.7	<1.00	1.18	<1.00	12.67	NA
	MW21	3/18/2015	679	<20.0	341	4330	13.70
6/17/2015		216	<1.0	113	1140	12.99	NA
9/22/2015		230	<10.0	114	1150	11.99	NA
12/22/2015		144	<4.0	87.1	730	12.52	NA
3/10/2016		122	<1.0	102	534	13.58	NA
6/29/2016		25.4	<4.00	39.2	200	13.32	NA
9/27/2016		4.81	<1.00	26.6	186	NM	NA
12/20/2016		9.27	<1.00	28.7	123	13.76	NA
3/15/2017		9.08	<1.00	47.5	191	14.93	NA
6/28/2017		2.32	<1.00	32.4	131	NM	NA
9/28/2017		112	<1.00	154	464	12.50	NA
12/14/2017		10.3	<1.00	69.9	88.1	12.89	NA
MW22		2/19/2015	6460	<1.0	4.3	115	13.82
	3/18/2015	7320	<1.0	20.0	408	14.02	NA
	6/17/2015	2850	<1.0	2.8	<1.0	14.33	NA
	9/22/2015	5710	<10.0	<10.0	23.2	12.19	NA
	12/22/2015	4160	<100	<100	<100	12.86	NA
	3/10/2016	4600	<100	<100	<100	13.91	NA
	6/29/2016	5,090	<100	<100	<100	13.62	NA
	9/27/2016	892	<50.0	<50.0	<50.0	NM	NA
	12/20/2016	<4.00	<4.00	<4.00	<4.00	13.69	NA
	3/15/2017	24.2	<1.00	<1.00	<1.00	14.80	NA



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GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)	
	6/28/2017	23.5	<1.00	<1.00	<1.00	NM	NA	
	9/28/2017	14.2	<1.00	<1.00	<1.00	12.31	NA	
	12/14/2017	3.72	<1.00	<1.00	<1.00	12.72	NA	
MW23	2/19/2015	5150	<1.0	5.6	<1.0	13.84	85.51	
	3/18/2015	5680	<1.0	12.6	102	13.98	85.37	
	4/6/2015	Surveyed - Not Sampled					13.99	85.31
	6/17/2015	1050	<1.0	2.2	<1.0	13.28	86.02	
	9/22/2015	4230	<10.0	<10.0	<10.0	12.19	87.11	
	9/27/2016	3,370	<20.0	<20.0	<20.0	NM	NA	
	9/28/2017	41.4	<1.00	<1.00	<1.00	12.30	87.00	
MW24	2/19/2015	1520	<1.0	4.2	139	14.71	NA	
	3/18/2015	2480	<1.0	6.6	10.7	14.85	NA	
	6/17/2015	1470	<1.0	5.5	4.0	14.22	NA	
	9/22/2015	213	<10.0	<10.0	<10.0	13.15	NA	
	12/22/2015	79.3	<4.0	<4.0	<4.0	13.81	NA	
	3/10/2016	438	<1.0	2.4	52.0	14.83	NA	
	6/29/2016	209	<4.00	4.76	92.7	14.52	NA	
	9/27/2016	473	<20.0	<20.0	<20.0	NM	NA	
	12/20/2016	1,450	<50.0	<50.0	<50.0	15.30	NA	
	3/15/2017	247	<4.00	<4.00	<4.00	15.72	NA	
	6/28/2017	<4.00	<4.00	<4.00	<4.00	NM	NA	
	9/28/2017	232	<1.00	8.35	<1.00	13.27	NA	
	12/14/2017	34.8	<1.00	<1.00	<1.00	13.66	NA	
MW25	2/19/2015	<1.0	<1.0	<1.0	<1.0	13.86	NA	
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.00	NA	
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.30	NA	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.28	NA	
	12/22/2015	<1.0	<1.0	<1.0	<1.0	12.84	NA	
	3/10/2016	<1.0	<1.0	<1.0	<1.0	13.91	NA	
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.62	NA	
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA	
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.63	NA	
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.80	NA	
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA	



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GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.37	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.76	NA
MW26	2/19/2015	<1.0	<1.0	<1.0	<1.0	14.05	NA
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.20	NA
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.50	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.52	NA
	12/22/2015	Not Found - Not Sampled				Not Found	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	14.09	NA
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.79	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.81	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.95	NA
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.54	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.92	NA
MW27	2/19/2015	<1.0	<1.0	<1.0	<1.0	13.44	85.73
	3/18/2015	<1.0	<1.0	<1.0	<1.0	13.59	85.58
	4/6/2015	Surveyed - Not Sampled				14.23	85.51
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.47	86.27
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.42	87.32
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.47	87.27
MW28	2/19/2015	<1.0	<1.0	<1.0	<1.0	14.52	NA
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.68	NA
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.96	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.99	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	13.06	NA
MW29	3/18/2015	3.2	<1.0	32.0	92.6	14.23	85.27
	6/17/2015	1.4	<1.0	2.5	15.2	13.49	86.01
	9/22/2015	Not Found - Not Sampled				Not Found	NA
	12/22/2015	Not Found - Not Sampled				Not Found	NA
	3/10/2016	1.2	<1.0	18.8	55.1	14.09	85.41



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GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
	3/28/2016	Surveyed - Not Sampled				14.20	85.30
	6/29/2016	<1.00	<1.00	3.03	12.8	14.11	85.64
	9/27/2016	<1.00	<1.00	2.06	11.2	NM	NA
	12/20/2016	<1.00	<1.00	3.42	17.4	14.08	NA
	3/15/2017	<1.00	<1.00	<1.00	9.37	15.28	84.52
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	<1.00	<1.00	<1.00	2.52	12.82	86.98
	12/14/2017	<1.00	<1.00	<1.00	<1.00	13.24	86.56
MW30	2/20/2015	1730	<1.0	1.2	<1.0	NM	NA
	3/18/2015	4030	<1.0	3.6	146	13.31	NA
	6/17/2015	5500	<1.0	3.6	4.2	12.69	NA
	9/22/2015	127	<20.0	<20.0	<20.0	11.61	NA
	9/27/2016	25.7	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	59.7	<4.00	<4.00	<4.00	11.67	NA
MW31	2/20/2015	2830	<1.0	182	1030	NM	NA
	3/18/2015	2030	<1.0	60.7	83.1	13.50	NA
	6/17/2015	1610	<1.0	39.4	7.1	12.84	NA
	9/22/2015	1000	<10.0	36.1	24.7	11.82	NA
	9/27/2016	25.9	<10.0	<10.0	<10.0	NM	NA
	9/28/2017	78.5	<1.00	<1.00	<1.00	11.84	NA
MW32	2/20/2015	<1.0	<1.0	154	770	NM	NA
	3/18/2015	<1.0	<1.0	90.4	971	13.99	NA
	6/17/2015	<1.0	<1.0	19.6	164	13.31	NA
	9/22/2015	<1.0	<1.0	12.4	94.2	12.19	NA
	12/22/2015	<1.0	<1.0	32.3	132	12.84	NA
	3/10/2016	<1.0	<1.0	30.5	110	13.89	NA
	6/29/2016	<1.00	<1.00	36.8	103	13.62	NA
	9/27/2016	<1.00	<1.00	12.4	32.8	NM	NA
	12/20/2016	<4.00	<4.00	19.2	44.4	13.95	NA
	3/15/2017	<1.00	<1.00	23.5	54.4	15.11	NA
	6/28/2017	<1.00	<1.00	5.05	5.44	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.62	NA
	12/14/2017	<1.00	<1.00	1.00	<1.00	13.01	NA



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HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
MW33	2/20/2015	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.02	85.40
	4/6/2015	Surveyed - Not Sampled				14.48	85.32
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.74	86.06
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.62	87.18
	12/22/2015	<1.0	<1.0	<1.0	<1.0	13.25	86.55
	3/10/2016	<1.0	<1.0	<1.0	<1.0	14.30	85.50
	6/29/2016	<1.00	<1.00	<1.00	<1.00	14.06	85.74
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	14.01	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	15.20	84.58
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.72	87.06
	12/14/2017	<1.00	<1.00	<1.00	<1.00	13.10	86.68
MW34	2/20/2015	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/18/2015	<1.0	<1.0	<1.0	<1.0	13.34	NA
	6/17/2015	<1.0	<1.0	<1.0	<1.0	12.65	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	11.55	NA
	12/22/2015	Removed from the monitoring program					
MW35	2/20/2015	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/18/2015	<1.0	<1.0	<1.0	<1.0	13.57	NA
	6/17/2015	<1.0	<1.0	<1.0	<1.0	12.94	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	11.90	NA
	12/22/2015	<1.0	<1.0	<1.0	<1.0	12.55	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	13.55	NA
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.22	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.77	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.97	NA
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	<1.00	<1.00	<1.00	<1.00	12.53	NA
12/14/2017	<1.00	<1.00	<1.00	<1.00	12.92	NA	



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HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)	
MW36	2/20/2015	<1.0	<1.0	<1.0	<1.0	NM	NA	
	3/18/2015	<1.0	<1.0	<1.0	<1.0	13.75	NA	
	6/17/2015	6.7	<1.0	<1.0	<1.0	13.11	NA	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.02	NA	
	12/22/2015	14.0	<1.0	<1.0	<1.0	12.69	NA	
	3/10/2016	12.2	<1.0	<1.0	<1.0	13.71	NA	
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.41	NA	
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA	
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.83	NA	
	3/15/2017	<1.00	<1.00	<1.00	<1.00	15.03	NA	
	6/28/2017	4.39	<1.00	<1.00	<1.00	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.59	NA	
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.98	NA	
MW37	3/18/2015	30.2	<1.0	10.5	4.4	13.59	85.29	
	4/6/2015	Surveyed - Not Sampled					14.00	85.23
	6/17/2015	67.8	<1.0	12.8	70.5	13.29	85.94	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.15	87.08	
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.27	86.96	
MW38	3/18/2015	16.7	<1.0	2.6	22.5	14.26	85.16	
	4/6/2015	Surveyed - Not Sampled					14.68	85.10
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.99	85.79	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.92	86.86	
	12/22/2015	<1.0	<1.0	<1.0	<1.0	13.56	86.22	
	3/10/2016	105	<1.0	<1.0	<1.0	14.59	85.19	
	6/29/2016	<1.00	<1.00	<1.00	<1.00	14.30	85.48	
	12/20/2016	<1.00	<1.00	<1.00	<1.00	14.32	NA	
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.54	85.28	
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA	
	9/28/2017	<1.00	<1.00	<1.00	<1.00	13.04	86.78	
12/14/2017	<1.00	<1.00	<1.00	<1.00	13.45	86.37		
MW39	3/18/2015	<1.0	<1.0	<1.0	<1.0	14.31	NA	
	6/17/2015	2.8	<1.0	<1.0	<1.0	13.68	NA	
	9/22/2015	<1.0	<1.0	<1.0	<1.0	9.50	NA	



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
	12/22/2015	28.5	<1.0	<1.0	<1.0	13.25	NA
	3/10/2016	37.6	<1.0	<1.0	<1.0	14.29	NA
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.96	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	14.31	NA
	3/15/2017	4.50	<1.00	<1.00	<1.00	15.52	NA
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	13.04	NA
	12/14/2017	<1.00	<1.00	<1.00	3.04	13.44	NA
MW40	3/18/2015	184	<1.0	<1.0	<1.0	14.24	NA
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.60	NA
	9/22/2015	795	<1.0	<1.0	<1.0	12.49	NA
	9/27/2016	<4.00	<4.00	<4.00	<4.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.60	NA
MW41	3/18/2015	214	<1.0	<1.0	1.5	13.45	NA
	6/17/2015	3610	<1.0	4.6	10.2	12.83	NA
	9/22/2015	146	<1.0	<1.0	6.6	11.70	NA
	12/22/2015	Not Found - Not Sampled				Not Found	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	13.47	NA
	6/29/2016	738	<1.00	<1.00	<1.00	13.12	NA
	9/27/2016	<4.00	<4.00	<4.00	<4.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.52	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.74	NA
	6/28/2017	139	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	<1.00	<1.00	<1.00	<1.00	12.20	NA
	12/14/2017	9.24	<1.00	<1.00	<1.00	12.62	NA
MW42	3/18/2015	<1.0	<1.0	<1.0	<1.0	13.60	NA
	6/17/2015	1.1	<1.0	<1.0	<1.0	12.92	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	11.76	NA
	12/22/2015	<1.0	<1.0	<1.0	<1.0	12.43	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	13.51	NA
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.23	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.58	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.81	NA
	6/28/2017	20.7	<1.00	7.73	8.12	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.26	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.66	NA
MW43	3/23/2015	<1.0	<1.0	<1.0	<1.0	13.57	NA
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.57	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	12.40	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.55	NA
MW44	3/23/2015	<1.0	<1.0	<1.0	<1.0	13.57	NA
	6/17/2015	17.8	<1.0	<1.0	<1.0	12.93	NA
	9/22/2015	<1.0	<1.0	<1.0	<1.0	11.79	NA
	12/22/2015	<1.0	<1.0	<1.0	<1.0	12.51	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	14.53	NA
	6/29/2016	3.84	<1.00	<1.00	<1.00	13.22	NA
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.64	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.85	NA
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.05	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.76	NA
MW45	3/23/2015	<1.0	<1.0	<1.0	<1.0	14.18	84.28
	4/6/2015	Surveyed - Not Sampled				13.95	84.86
	6/17/2015	<1.0	<1.0	<1.0	<1.0	13.27	85.54
	9/22/2015	Not Found - Not Sampled				Not Found	NA
	12/22/2015	Not Found - Not Sampled				Not Found	NA
	3/10/2016	<1.0	<1.0	<1.0	<1.0	13.80	85.01
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.57	85.24
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.65	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.85	84.00
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
	10/16/2017	<1.00	<1.00	<1.00	<1.00	12.33	86.52
	12/14/2017	23.6	<1.00	<1.00	<1.00	12.73	86.12
	2/5/2018	<1.00	<1.00	<1.00	<1.00	13.57	85.28
MW46	3/23/2015	<1.0	<1.0	<1.0	<1.0	13.29	85.21
	4/6/2015	Surveyed - Not Sampled				13.94	84.86
	6/17/2015	366	<1.0	<1.0	<1.0	13.23	85.57
	9/22/2015	Not Found - Not Sampled				Not Found	NA
	12/22/2015	Not Found - Not Sampled				Not Found	NA
	3/10/2016	<4.0	<4.0	<4.0	<4.0	13.84	84.96
	6/29/2016	10.7	<1.00	<1.00	<1.00	13.53	85.27
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.51	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.70	84.05
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.12	86.63
	12/14/2017	6.08	<1.00	1.64	<1.00	12.54	86.21
	1/31/2018	<1.00	<1.00	<1.00	<1.00	13.35	85.40
MW47	3/28/2016	<4.0	<4.0	37.5	438	14.24	85.34
	6/29/2016	<4.00	<4.00	8.56	53.6	14.04	85.77
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	14.05	NA
	3/15/2017	<1.00	<1.00	5.92	14.7	15.30	84.51
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	Not Found - Not Sampled				NM	NA
	12/14/2017	Not Found - Not Sampled				NM	NA
MW48	3/28/2016	36.2	<1.0	<1.0	<1.0	14.01	84.77
	6/29/2016	2.59	<1.00	<1.00	9.63	13.85	85.16
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	1.05	<1.00	<1.00	<1.00	13.75	NA
	3/15/2017	9.58	<1.00	<1.00	<1.00	14.99	84.02
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	<1.00	<1.00	<1.00	<1.00	Found - Not Sam	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.91	86.10



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
HSR-MJ FARMS 11,12,13,14-7, HILDENBRANDT POOLING GU #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)
MW49	3/28/2016	<1.0	<1.0	<1.0	<1.0	13.71	84.49
	6/29/2016	24.5	<1.00	<1.00	<1.00	13.92	84.87
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.92	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	15.16	83.63
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	Not Found - Not Sampled				NM	NA
	12/14/2017	<1.00	<1.00	<1.00	<1.00	13.04	85.75
MW50	3/28/2016	<1.0	<1.0	<1.0	<1.0	13.92	84.36
	12/20/2016	Not Found - Not Sampled				NM	NA
	9/28/2017	Not Found - Not Sampled				NM	NA
	10/16/2017	Not Found - Not Sampled				NM	NA
MW51	3/28/2016	<1.0	<1.0	<1.0	<1.0	13.75	84.45
	6/29/2016	<1.00	<1.00	<1.00	<1.00	13.69	84.78
	9/27/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	12/20/2016	<1.00	<1.00	<1.00	<1.00	13.65	NA
	3/15/2017	<1.00	<1.00	<1.00	<1.00	14.89	83.58
	6/28/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	9/28/2017	<1.00	<1.00	<1.00	<1.00	12.29	86.18
	12/14/2017	<1.00	<1.00	<1.00	<1.00	12.74	85.73
COGCC Allowable Levels		5	1000	700	1400		

Notes: Colorado Oil and Gas Conservation Commission
 Elev. - elevation
 ft bgs - feet below ground surface
 GW - groundwater
 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

Results in red indicate data from samples collected after start up of air sparge/soil vapor extraction remediation system.



December 21, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt **Project Number - KMG10607/WO #880630**

Attached are your analytical results for KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt received by Origins Laboratory, Inc. December 14, 2017. This project is associated with Origins project number Y712270-01.

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



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y712270-01	Water	December 14, 2017 10:00	12/14/2017 15:35
MW04R	Y712270-02	Water	December 14, 2017 10:05	12/14/2017 15:35
MW10	Y712270-03	Water	December 14, 2017 10:10	12/14/2017 15:35
MW11	Y712270-04	Water	December 14, 2017 10:15	12/14/2017 15:35
MW13	Y712270-05	Water	December 14, 2017 10:20	12/14/2017 15:35
MW15	Y712270-06	Water	December 14, 2017 10:25	12/14/2017 15:35
MW16	Y712270-07	Water	December 14, 2017 10:30	12/14/2017 15:35
MW17	Y712270-08	Water	December 14, 2017 10:35	12/14/2017 15:35
MW20	Y712270-09	Water	December 14, 2017 10:40	12/14/2017 15:35
MW21	Y712270-10	Water	December 14, 2017 10:45	12/14/2017 15:35
MW22	Y712270-11	Water	December 14, 2017 10:50	12/14/2017 15:35
MW24	Y712270-12	Water	December 14, 2017 10:55	12/14/2017 15:35
MW25	Y712270-13	Water	December 14, 2017 11:00	12/14/2017 15:35
MW26	Y712270-14	Water	December 14, 2017 11:05	12/14/2017 15:35

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: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW29	Y712270-15	Water	December 14, 2017 11:10	12/14/2017 15:35
MW32	Y712270-16	Water	December 14, 2017 11:15	12/14/2017 15:35
MW33	Y712270-17	Water	December 14, 2017 11:20	12/14/2017 15:35
MW35	Y712270-18	Water	December 14, 2017 11:25	12/14/2017 15:35
MW36	Y712270-19	Water	December 14, 2017 11:30	12/14/2017 15:35
MW38	Y712270-20	Water	December 14, 2017 11:35	12/14/2017 15:35
MW39	Y712270-21	Water	December 14, 2017 11:40	12/14/2017 15:35
MW41	Y712270-22	Water	December 14, 2017 11:45	12/14/2017 15:35
MW42	Y712270-23	Water	December 14, 2017 11:50	12/14/2017 15:35
MW44	Y712270-24	Water	December 14, 2017 11:55	12/14/2017 15:35
MW45	Y712270-25	Water	December 14, 2017 12:00	12/14/2017 15:35
MW46	Y712270-26	Water	December 14, 2017 12:05	12/14/2017 15:35
MW48	Y712270-27	Water	December 14, 2017 12:10	12/14/2017 15:35
MW49	Y712270-28	Water	December 14, 2017 12:15	12/14/2017 15:35

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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW51	Y712270-29	Water	December 14, 2017 12:20	12/14/2017 15:35

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt

ORIGINS
 LABORATORY, INC

Y712270

1/3

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

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hild Project Number: KMG10607/WO #88063004

Number	Sample Identification	Matrix	Sample Date	Sample Time	Container	QTY	Analysis
01-001	MW01R	Water	12/14/17	1000	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW04R	Water		1005	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW10	Water		1010	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW11	Water		1015	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	MW13	Water		1020	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW15	Water		1025	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
07-001	MW16	Water		1030	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
08-001	MW17	Water		1035	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
09-001	MW20	Water		1040	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
10-001	MW21	Water		1045	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
11-001	MW22	Water		1050	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 12/14/17 1535
 Relinquished By: _____ Date / Time: _____
 Received By: [Signature] Date / Time: 12-14-17 1535
 Received By: _____ Date / Time: _____

Temperature on Receipt: 44
 Turn Around Time: 72-hr Standard
 Same Day: 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: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

ORIGINS
 LABORATORY, INC

712270

2/3

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

12-001	MW24	Water	12/14/17	1055	CT/24	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
13-001	MW25	Water		1100		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
14-001	MW26	Water		1105		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
15-001	MW29	Water		1110		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
16-001	MW32	Water		1115		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
17-001	MW33	Water		1120		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
18-001	MW35	Water		1125		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
19-001	MW36	Water		1130		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
20-001	MW38	Water		1135		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
21-001	MW39	Water		1140		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
22-001	MW41	Water		1145		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
23-001	MW42	Water		1150		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
24-001	MW44	Water		1155		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
25-001	MW45	Water		1200		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Temperature on Receipt: 41.4
 Turn Around Time: 72-hr Standard
 Same Day: 24-hr 48-hr

Relinquished By: [Signature] Date / Time: 12/14/17 1535
 Received By: [Signature] Date / Time: 12/14/17 1555

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: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

ORIGINS
 LABORATORY, INC
 1712270
 5/3

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

Sample ID	Sample Name	Date	Time	Volume	Method	Standard
26-001	MW46	12/14/17	12:05	40mL	Amber VOA Vial - HC	BTEX by EPA 8260C
27-001	MW47	-	-	40mL	Amber VOA Vial - HC	BTEX by EPA 8260C
28-001	MW48	12/14/17	12:10	40mL	Amber VOA Vial - HC	BTEX by EPA 8260C
29-001	MW49	12/14/17	12:15	40mL	Amber VOA Vial - HC	BTEX by EPA 8260C
30-001	MW51	12/14/17	12:20	40mL	Amber VOA Vial - HC	BTEX by EPA 8260C

Requisitioned By: [Signature] Date / Time: 12/14/17 1535
 Received By: [Signature] Date / Time: 12/14/17 1535
 Requisitioned By: _____ Date / Time: _____
 Received By: _____ Date / Time: _____

Temperature on Receipt: 4/4
 Turn Around Time: 72-hr Standard
 Same Day: 24-hr 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4712270

Client: LTE

Client Project ID: KMG - HSR MJ farms

Checklist Completed by: JG

Shipped Via: 4D
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 12/15/17

Airbill #: 0/A

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

Cooler Number/Temperature: 1 14.4 °c _____ °c _____ °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"/>	
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 checked="" 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 NaAsO 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: [Signature] (Project Manager)

Date/Time Reviewed: 12/18/17

Origins Laboratory, Inc.

[Signature: Jen Pellegrini]

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW01R
12/14/2017 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-01 (Water)

BTEX by EPA 8260C

Benzene	1400	10.0	ug/L	10	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	1	"	"	12/20/2017	U
Ethylbenzene	628	10.0	"	10	"	"	12/21/2017	
Xylenes, total	3030	10.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.5 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW04R
12/14/2017 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-02 (Water)

BTEX by EPA 8260C

Benzene	ND	4.00	ug/L	4	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	ND	4.00	"	"	"	"	"	U
Xylenes, total	ND	4.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.5 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW10
12/14/2017 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW11
12/14/2017 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	3.78	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW13
12/14/2017 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-05 (Water)

BTEX by EPA 8260C

Benzene	31.6	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	2.68	1.00	"	"	"	"	"	
Xylenes, total	20.1	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	98.0 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW15
12/14/2017 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-06 (Water)

BTEX by EPA 8260C

Benzene	ND	4.00	ug/L	4	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	5.28	4.00	"	"	"	"	"	
Xylenes, total	ND	4.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.7 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW16
12/14/2017 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-07 (Water)

BTEX by EPA 8260C

Benzene	1.04	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	16.1	1.00	"	"	"	"	"	
Xylenes, total	102	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	99.8 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW17
12/14/2017 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.6 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW20
12/14/2017 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-09 (Water)

BTEX by EPA 8260C

Benzene	15.7	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.18	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.7 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW21
12/14/2017 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-10 (Water)

BTEX by EPA 8260C

Benzene	10.3	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	69.9	1.00	"	"	"	"	"	
Xylenes, total	88.1	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	96.9 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	99.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW22
12/14/2017 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-11 (Water)

BTEX by EPA 8260C

Benzene	3.72	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	97.1 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW24
12/14/2017 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-12 (Water)

BTEX by EPA 8260C

Benzene	34.8	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.1 %	84-121			"	"	12/21/2017	
Surrogate: Toluene-d8	99.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW25
12/14/2017 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-13 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW26
12/14/2017 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW29
12/14/2017 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-15 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	97.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW32
12/14/2017 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-16 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.00	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.9 %	84-121			"	"	12/20/2017	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW33
12/14/2017 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-17 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.7 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	100 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW35
12/14/2017 11:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-18 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.9 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.2 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW36
12/14/2017 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-19 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW38
12/14/2017 11:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-20 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.6 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	92.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW39
12/14/2017 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-21 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	3.04	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW41
12/14/2017 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-22 (Water)

BTEX by EPA 8260C

Benzene	9.24	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.5 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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 4600 West 60th Avenue
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Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW42
12/14/2017 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-23 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	84-114			"	"	"	

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Arvada CO 80003

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW44
12/14/2017 11:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-24 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.3 %	84-114			"	"	"	

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4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW45
12/14/2017 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-25 (Water)

BTEX by EPA 8260C

Benzene	23.6	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %	84-114			"	"	"	

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 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW46
12/14/2017 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-26 (Water)

BTEX by EPA 8260C

Benzene	6.08	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.64	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.9 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
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Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW48
12/14/2017 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-27 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	93.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW49
12/14/2017 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-28 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	97.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.2 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

MW51
12/14/2017 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712270-29 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L1906	12/19/2017	12/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	97.0 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Blank (B7L1906-BLK1)

Prepared: 12/19/2017 Analyzed: 12/19/2017

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	59		"	62.5		95.1	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.1	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Blank (B7L1906-BLK2)

Prepared: 12/19/2017 Analyzed: 12/19/2017

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	61		"	62.5	98.3		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.0		84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Blank (B7L1906-BLK3)

Prepared: 12/19/2017 Analyzed: 12/19/2017

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	62		"	62.5	99.5		84-121			
Surrogate: Toluene-d8	64		"	62.5	102		85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.9		84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

LCS (B7L1906-BS1)

Prepared: 12/19/2017 Analyzed: 12/19/2017

Benzene	46.1	1.00	ug/L	50.0		92.2	73.3-129			
Toluene	45.5	1.00	"	50.0		91.1	76.2-123			
Ethylbenzene	45.4	1.00	"	50.0		90.8	73.6-130			
m,p-Xylene	90.6	2.00	"	100		90.6	76.1-126			
o-Xylene	46.5	1.00	"	50.0		93.0	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		105	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		95.2	84-114			

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

LCS (B7L1906-BS2)

Prepared: 12/19/2017 Analyzed: 12/19/2017

Benzene	45.7	1.00	ug/L	50.0		91.3	73.3-129			
Toluene	44.0	1.00	"	50.0		88.0	76.2-123			
Ethylbenzene	46.1	1.00	"	50.0		92.2	73.6-130			
m,p-Xylene	92.2	2.00	"	100		92.2	76.1-126			
o-Xylene	46.8	1.00	"	50.0		93.6	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		103	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	84-114			

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

LCS (B7L1906-BS3)

Prepared: 12/19/2017 Analyzed: 12/19/2017

Benzene	47.4	1.00	ug/L	50.0		94.7	73.3-129			
Toluene	46.6	1.00	"	50.0		93.2	76.2-123			
Ethylbenzene	46.9	1.00	"	50.0		93.8	73.6-130			
m,p-Xylene	92.5	2.00	"	100		92.5	76.1-126			
o-Xylene	47.0	1.00	"	50.0		94.1	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		90.9	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		95.2	84-114			

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Matrix Spike (B7L1906-MS1)	Source: Y712268-01			Prepared: 12/19/2017 Analyzed: 12/19/2017						
Benzene	52.5	1.00	ug/L	50.0	1.00	103	74-130			
Toluene	51.4	1.00	"	50.0	0.140	102	73-131			
Ethylbenzene	51.4	1.00	"	50.0	ND	103	76-132			
m,p-Xylene	102	2.00	"	100	ND	102	69-139			
o-Xylene	51.4	1.00	"	50.0	ND	103	74-131			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	84-114			

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Matrix Spike (B7L1906-MS2)	Source: Y712268-02			Prepared: 12/19/2017 Analyzed: 12/19/2017						
Benzene	49.8	1.00	ug/L	50.0	ND	99.6	74-130			
Toluene	49.4	1.00	"	50.0	ND	98.8	73-131			
Ethylbenzene	50.3	1.00	"	50.0	ND	101	76-132			
m,p-Xylene	99.1	2.00	"	100	ND	99.1	69-139			
o-Xylene	50.4	1.00	"	50.0	ND	101	74-131			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.0	84-114			

Origins Laboratory, Inc.



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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 B7L1906 - EPA 5030B (Water)

Matrix Spike (B7L1906-MS3)	Source: Y712268-06			Prepared: 12/19/2017 Analyzed: 12/19/2017						
Benzene	52.0	1.00	ug/L	50.0	ND	104	74-130			
Toluene	51.2	1.00	"	50.0	ND	102	73-131			
Ethylbenzene	51.7	1.00	"	50.0	ND	103	76-132			
m,p-Xylene	101	2.00	"	100	ND	101	69-139			
o-Xylene	51.3	1.00	"	50.0	ND	103	74-131			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.8	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 B7L1906 - EPA 5030B (Water)

Matrix Spike Dup (B7L1906-MSD1)	Source: Y712268-01			Prepared: 12/19/2017 Analyzed: 12/19/2017						
Benzene	53.7	1.00	ug/L	50.0	1.00	105	74-130	2.24	20	
Toluene	52.0	1.00	"	50.0	0.140	104	73-131	1.33	20	
Ethylbenzene	53.0	1.00	"	50.0	ND	106	76-132	3.14	20	
m,p-Xylene	106	2.00	"	100	ND	106	69-139	4.02	20	
o-Xylene	52.5	1.00	"	50.0	ND	105	74-131	2.02	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.9	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.0	84-114			

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 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Matrix Spike Dup (B7L1906-MSD2)	Source: Y712268-02			Prepared: 12/19/2017 Analyzed: 12/19/2017						
Benzene	49.0	1.00	ug/L	50.0	ND	98.1	74-130	1.54	20	
Toluene	47.8	1.00	"	50.0	ND	95.5	73-131	3.40	20	
Ethylbenzene	48.5	1.00	"	50.0	ND	97.0	76-132	3.62	20	
m,p-Xylene	96.3	2.00	"	100	ND	96.3	69-139	2.78	20	
o-Xylene	49.2	1.00	"	50.0	ND	98.4	74-131	2.35	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.7	84-114			

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 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B7L1906 - EPA 5030B (Water)

Matrix Spike Dup (B7L1906-MSD3)	Source: Y712268-06			Prepared: 12/19/2017 Analyzed: 12/19/2017						
Benzene	50.3	1.00	ug/L	50.0	ND	101	74-130	3.17	20	
Toluene	49.1	1.00	"	50.0	ND	98.2	73-131	4.19	20	
Ethylbenzene	49.7	1.00	"	50.0	ND	99.5	76-132	3.86	20	
m,p-Xylene	97.7	2.00	"	100	ND	97.7	69-139	3.52	20	
o-Xylene	49.7	1.00	"	50.0	ND	99.4	74-131	3.21	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.7	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.5	84-114			

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4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

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.

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



February 02, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt **Project Number - KMG10607/WO #880630**

Attached are your analytical results for KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt received by Origins Laboratory, Inc. January 31, 2018. This project is associated with Origins project number Y801434-01.

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: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW46	Y801434-01	Water	January 31, 2018 13:30	01/31/2018 16:47

Origins Laboratory, Inc.



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Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt



www.originslaboratory.com

Y604134

page (of (

Client: LT Environmental, Inc
 Address: 4600 W 60th Ave
Arvada, CO 80003
 Telephone Number: 303 433 9788
 Email Address: bsulzberger@originslab.com

Project Manager: Brian Sulzberger
 Project Name: HSR - MJ Farms
 Project Number: KMG-10607 ← KMG 10607
 Samples Collected By: Daniel Thomas

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>					
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air/Sediment				Other	Date	Time	Date	Time
MW16	1-31-18	1330	3					X										

Temp Received: 6.8 Date Results Needed

Origins Laboratory, Inc.

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 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1801434 Client: LTE
 Client Project ID: KMG-HSR-HS Form
 Checklist Completed by: D. Lee Shipped Via: HD
 Date/time completed: 1-3-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: 118
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 3.8 °C 1 °C 1 °C (Describe) °C
 Thermometer ID: 1603

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"/>		sampled same day
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" 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 checked="" 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: [Signature] (Project Manager)

Date/Time Reviewed: 2/1/12

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW46
1/31/2018 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y801434-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8B0102	02/01/2018	02/01/2018	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	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

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 Arvada CO 80003

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 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0102 - EPA 5030B (Water)

Blank (B8B0102-BLK1)

Prepared: 02/01/2018 Analyzed: 02/01/2018

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	65		"	62.5		104	84-114			

Origins Laboratory, Inc.



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Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0102 - EPA 5030B (Water)

Blank (B8B0102-BLK2)

Prepared: 02/01/2018 Analyzed: 02/01/2018

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	66		"	62.5		105	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	84-114			

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 Hildenbrandt

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 B8B0102 - EPA 5030B (Water)

LCS (B8B0102-BS1)

Prepared: 02/01/2018 Analyzed: 02/01/2018

Benzene	51.7	1.00	ug/L	50.0		103	73.3-129			
Toluene	50.4	1.00	"	50.0		101	76.2-123			
Ethylbenzene	50.2	1.00	"	50.0		100	73.6-130			
m,p-Xylene	98.6	2.00	"	100		98.6	76.1-126			
o-Xylene	51.0	1.00	"	50.0		102	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

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 Hildenbrandt

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 B8B0102 - EPA 5030B (Water)

LCS (B8B0102-BS2)

Prepared: 02/01/2018 Analyzed: 02/01/2018

Benzene	52.5	1.00	ug/L	50.0		105	73.3-129			
Toluene	51.3	1.00	"	50.0		103	76.2-123			
Ethylbenzene	51.7	1.00	"	50.0		103	73.6-130			
m,p-Xylene	102	2.00	"	100		102	76.1-126			
o-Xylene	51.7	1.00	"	50.0		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.3	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.4	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	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 B8B0102 - EPA 5030B (Water)

Matrix Spike (B8B0102-MS1)	Source: Y801434-01			Prepared: 02/01/2018 Analyzed: 02/01/2018						
Benzene	55.0	1.00	ug/L	50.0	ND	110	74-130			
Toluene	53.6	1.00	"	50.0	ND	107	73-131			
Ethylbenzene	54.0	1.00	"	50.0	ND	108	76-132			
m,p-Xylene	107	2.00	"	100	ND	107	69-139			
o-Xylene	54.6	1.00	"	50.0	ND	109	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.1	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.8	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
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Batch B8B0102 - EPA 5030B (Water)

Matrix Spike (B8B0102-MS2)	Source: Y801363-06			Prepared: 02/01/2018 Analyzed: 02/01/2018						
Benzene	54.1	1.00	ug/L	50.0	ND	108	74-130			
Toluene	51.7	1.00	"	50.0	ND	103	73-131			
Ethylbenzene	51.6	1.00	"	50.0	0.200	103	76-132			
m,p-Xylene	101	2.00	"	100	0.180	101	69-139			
o-Xylene	51.9	1.00	"	50.0	0.240	103	74-131			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.5	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.4	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	84-114			

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Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0102 - EPA 5030B (Water)

Matrix Spike Dup (B8B0102-MSD1)	Source: Y801434-01			Prepared: 02/01/2018 Analyzed: 02/02/2018						
Benzene	55.0	1.00	ug/L	50.0	ND	110	74-130	0.0182	20	
Toluene	56.2	1.00	"	50.0	ND	112	73-131	4.68	20	
Ethylbenzene	59.7	1.00	"	50.0	ND	119	76-132	9.90	20	
m,p-Xylene	120	2.00	"	100	ND	120	69-139	11.3	20	
o-Xylene	61.8	1.00	"	50.0	ND	124	74-131	12.3	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		90.6	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.0	84-114			

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0102 - EPA 5030B (Water)

Matrix Spike Dup (B8B0102-MSD2)	Source: Y801363-06			Prepared: 02/01/2018 Analyzed: 02/01/2018						
Benzene	55.7	1.00	ug/L	50.0	ND	111	74-130	2.93	20	
Toluene	53.2	1.00	"	50.0	ND	106	73-131	2.96	20	
Ethylbenzene	55.0	1.00	"	50.0	0.200	110	76-132	6.38	20	
m,p-Xylene	107	2.00	"	100	0.180	107	69-139	5.95	20	
o-Xylene	54.9	1.00	"	50.0	0.240	109	74-131	5.62	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.0	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.9	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

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.

Origins Laboratory, Inc.



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February 07, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt **Project Number - KMG10607/WO #880630**

Attached are your analytical results for KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt received by Origins Laboratory, Inc. February 05, 2018. This project is associated with Origins project number Y802049-01.

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



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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW45	Y802049-01	Water	February 5, 2018 10:10	02/05/2018 14:30

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7, Hildenbrandt

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y 802049 Client: LTE
 Client Project ID: KMG - MS Farms
 Checklist Completed by: Dan Lee Shipped Via: HD
 Date/time completed: 2-5-13 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 / 5.5 °C 1 / _____ °C 1 / _____ °C (Describe)
 Thermometer ID: 1003

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"/>	
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 NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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) JP Date/Time Reviewed 2/6/13

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

MW45
2/5/2018 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y802049-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8B0602	02/06/2018	02/06/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

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

Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0602 - EPA 5030B (Water)

Blank (B8B0602-BLK1)

Prepared: 02/06/2018 Analyzed: 02/06/2018

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	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.8	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	84-114			

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 4600 West 60th Avenue
 Arvada CO 80003

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 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0602 - EPA 5030B (Water)

Blank (B8B0602-BLK2)

Prepared: 02/06/2018 Analyzed: 02/06/2018

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	65		"	62.5		103	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.8	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

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 4600 West 60th Avenue
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Brian Sulzberger
 Project Number: KMG10607/WO #88063004
 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0602 - EPA 5030B (Water)

LCS (B8B0602-BS1)

Prepared: 02/06/2018 Analyzed: 02/06/2018

Benzene	49.8	1.00	ug/L	50.0		99.7	73.3-129			
Toluene	48.4	1.00	"	50.0		96.8	76.2-123			
Ethylbenzene	50.1	1.00	"	50.0		100	73.6-130			
m,p-Xylene	96.8	2.00	"	100		96.8	76.1-126			
o-Xylene	46.1	1.00	"	50.0		92.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5		109	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.5	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

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 Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
 Hildenbrandt

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 B8B0602 - EPA 5030B (Water)

LCS (B8B0602-BS2)

Prepared: 02/06/2018 Analyzed: 02/06/2018

Benzene	56.4	1.00	ug/L	50.0		113	73.3-129			
Toluene	55.0	1.00	"	50.0		110	76.2-123			
Ethylbenzene	56.8	1.00	"	50.0		114	73.6-130			
m,p-Xylene	110	2.00	"	100		110	76.1-126			
o-Xylene	53.4	1.00	"	50.0		107	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	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 B8B0602 - EPA 5030B (Water)

Matrix Spike (B8B0602-MS1)	Source: Y802018-03			Prepared: 02/06/2018 Analyzed: 02/06/2018						
Benzene	50.9	1.00	ug/L	50.0	0.230	101	74-130			
Toluene	49.0	1.00	"	50.0	ND	98.1	73-131			
Ethylbenzene	51.8	1.00	"	50.0	ND	104	76-132			
m,p-Xylene	101	2.00	"	100	0.880	100	69-139			
o-Xylene	49.8	1.00	"	50.0	0.090	99.4	74-131			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.4	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	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 B8B0602 - EPA 5030B (Water)

Matrix Spike (B8B0602-MS2)	Source: Y802018-04			Prepared: 02/06/2018 Analyzed: 02/06/2018						
Benzene	50.3	1.00	ug/L	50.0	ND	101	74-130			
Toluene	48.9	1.00	"	50.0	ND	97.8	73-131			
Ethylbenzene	49.7	1.00	"	50.0	ND	99.3	76-132			
m,p-Xylene	98.0	2.00	"	100	ND	98.0	69-139			
o-Xylene	49.5	1.00	"	50.0	ND	99.0	74-131			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		107	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.6	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	84-114			

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 Project Number: KMG10607/WO #88063004
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 Hildenbrandt

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 B8B0602 - EPA 5030B (Water)

Matrix Spike Dup (B8B0602-MSD1)	Source: Y802018-03			Prepared: 02/06/2018 Analyzed: 02/06/2018						
Benzene	54.3	1.00	ug/L	50.0	0.230	108	74-130	6.39	20	
Toluene	53.4	1.00	"	50.0	ND	107	73-131	8.40	20	
Ethylbenzene	53.4	1.00	"	50.0	ND	107	76-132	3.02	20	
m,p-Xylene	104	2.00	"	100	0.880	103	69-139	2.68	20	
o-Xylene	50.3	1.00	"	50.0	0.090	100	74-131	1.08	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.1	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	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 B8B0602 - EPA 5030B (Water)

Matrix Spike Dup (B8B0602-MSD2)	Source: Y802018-04			Prepared: 02/06/2018 Analyzed: 02/06/2018						
Benzene	51.4	1.00	ug/L	50.0	ND	103	74-130	2.18	20	
Toluene	50.3	1.00	"	50.0	ND	101	73-131	2.90	20	
Ethylbenzene	51.6	1.00	"	50.0	ND	103	76-132	3.77	20	
m,p-Xylene	101	2.00	"	100	ND	101	69-139	2.65	20	
o-Xylene	50.4	1.00	"	50.0	ND	101	74-131	1.70	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.9	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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

Brian Sulzberger
Project Number: KMG10607/WO #88063004
Project: KMG - HSR-MJ Farms 11, 12, 13, 14-7,
Hildenbrandt

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.

Origins Laboratory, Inc.



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