

TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
EWGW01	6/26/2006	520	560	170	290	10	NA
MW01	1/11/2007	3100	43	200	2300	11.65	85.85
	4/4/2007	2600	1.2	120	240	11.13	86.37
	7/9/2007	1300	<1.0	95	130	11.20	86.30
	10/3/2007	1700	<1.0	75	14	11.20	86.30
	1/14/2008	1200	<1.0	91	<1.0	14.70	82.80
	4/2/2008	860	3.6	63	10	14.90	82.60
	7/3/2008	520	<1.0	6.6	<1.0	13.08	84.42
	10/27/2008	27	<1.0	12	<1.0	12.24	85.26
	1/7/2009	190	<1.0	33	5.3	12.91	84.59
	4/28/2009	760	<1.0	61	62	11.74	85.76
	7/16/2009	96	<1.0	48	5.5	11.59	85.91
	10/5/2009	390	<1.0	49	80	12.01	85.49
	1/25/2010	460	<1.0	57	61	12.75	84.75
	4/27/2010	480	<1.0	38	200	11.05	86.45
	7/23/2010	100	<1.0	24	30	11.33	86.17
	10/12/2010	150	<1.0	30	90	12.51	84.99
	1/5/2011	380	<1.0	73	270	13.05	84.45
	4/22/2011	600	<1.0	73	210	13.16	84.34
	7/12/2011	120	<1.0	52	100	11.81	85.69
	10/21/2011	53	<1.0	35	29	12.46	85.04
	1/31/2012	170	<1.0	40	89	12.80	84.70
	4/18/2012	180	<1.0	36	92	12.82	84.68
	7/9/2012	240	<1.0	49	120	12.78	84.18
	10/19/2012	190	<1.0	47	110	13.32	84.18
	1/17/2013	240	<1.0	64	60	13.75	83.75
	4/18/2013	200	<1.0	71	11	12.86	84.64
	7/17/2013	Inaccessible - Not Sampled				Inaccessible	NA
	10/7/2013	2.2	<1.0	3.4	<1.0	9.70	87.80
	12/18/2013	Surveyed - Not Sampled				10.99	86.13
	1/14/2014	24.0	<4.0	17.2	<4.0	11.87	85.63
	4/10/2014	152	<1.0	42.3	<1.0	11.20	85.92
	7/2/2014	30.0	<1.0	19.2	<1.0	10.79	86.33
	10/16/2014	25.8	<1.0	22.2	<1.0	7.73	89.39
	1/7/2015	123	<1.0	68.7	<1.0	11.55	85.57
	4/7/2015	58.3	<1.0	41.1	2.9	10.87	86.25



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	7/22/2015	8.2	<4.0	<4.0	<4.0	NM	NA
	10/1/2015	21.8	1.3	15.3	<1.0	10.68	86.44
	1/18/2016	48.2	<1.0	22.4	3.9	9.53	87.59
	4/8/2016	3.5	<1.0	2.5	<1.0	8.71	88.41
	7/20/2016	4.68	<1.00	2.60	<1.00	9.82	87.30
	10/12/2016	18.5	<1.00	15.5	2.81	11.28	85.84
	1/9/2017	58.1	<1.00	32.5	5.11	11.89	85.23
	4/10/2017	42.5	<1.00	28.8	<1.00	12.46	84.66
MW02	1/11/2007	5300	4.4	410	8500	11.50	85.55
	4/4/2007	6000	1.4	430	5300	10.66	86.39
	7/9/2007	8900	1.9	470	7500	11.14	85.91
	10/3/2007	620	4.0	530	8600	11.37	85.68
	1/14/2008	13000	<1.0	620	9300	14.17	82.88
	4/2/2008	<1.0	11	290	<1.0	14.00	83.05
	7/3/2008	2700	1.3	210	4300	12.80	84.25
	10/27/2008	6700	2.2	250	6500	12.26	84.79
	1/7/2009	13000	3.4	390	4400	12.80	84.25
	4/28/2009	2000	3.0	240	2000	11.28	85.77
	7/16/2009	5700	1.3	520	5200	11.53	85.52
	10/5/2009	2900	1.5	310	5600	11.92	85.13
	1/25/2010	2800	6.2	190	8600	12.42	84.63
	4/27/2010	3800	<1.0	4200	5700	10.80	86.25
	7/23/2010	16000	<1.0	650	8500	11.40	85.65
	10/12/2010	1800	13	590	9700	12.44	84.61
	1/5/2011	2300	5.3	470	7100	12.85	84.20
	4/22/2011	11000	3.8	540	9400	13.00	84.05
	7/12/2011	1500	1.1	220	5300	11.86	85.19
	10/21/2011	6600	4.6	210	8200	12.40	84.65
	1/31/2012	2200	7.3	3.4	5300	12.63	84.42
	4/18/2012	12000	2.5	770	11000	12.64	84.41
	7/9/2012	4300	6.1	260	5300	12.98	84.07
	10/19/2012	2100	<1.0	<1.0	6900	13.15	83.90
	1/17/2013	6000	5.4	360	6200	13.45	83.60
	4/18/2013	2500	6.0	260	4400	13.05	84.00
	7/17/2013	5100	<1.0	32	5600	12.20	84.85
	10/7/2013	1900	<1.0	260	2700	10.60	86.45



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	12/18/2013	Surveyed - Not Sampled				11.37	85.78
	1/14/2014	882	<4.0	437	5300	11.76	85.29
	4/10/2014	3550	<20.0	245	2380	11.61	85.54
	7/2/2014	757	<50.0	554	5640	11.27	85.88
	10/16/2014	1290	<10.0	466	3760	8.06	89.09
	1/7/2015	3790	<50.0	722	5370	11.82	85.33
	4/7/2015	542	<10.0	209	2660	11.45	85.70
	7/22/2015	1810	<4.0	227	1930	NM	NA
	10/1/2015	559	<20.0	355	2110	11.11	86.04
	1/18/2016	764	<10.0	21.1	1080	11.34	85.81
	4/8/2016	875	<10.0	962	3520	10.15	87.00
	7/20/2016	3,180	<10.0	862	2,670	10.91	86.24
	10/12/2016	601	<20.0	301	1,580	11.92	85.23
	1/9/2017	1,330	<10.0	271	974	12.24	84.91
	4/10/2017	6,650	<10.0	511	1,420	12.77	84.38
MW03	1/11/2007	<1.0	<1.0	<1.0	<1.0	11.60	NA
	4/4/2007	<1.0	<1.0	<1.0	<1.0	10.70	NA
	7/9/2007	8.2	<1.0	4.3	3.3	11.40	NA
	10/3/2007	2.5	<1.0	5.2	3.0	11.85	NA
	1/14/2008	6.6	<1.0	21	4.2	14.42	NA
	4/2/2008	8.8	<1.0	28	3.3	14.32	NA
	7/3/2008	<1.0	<1.0	1.1	<1.0	13.70	NA
	10/27/2008	2.6	<1.0	14	2.8	11.83	NA
	1/7/2009	4.3	<1.0	19	3.3	13.23	NA
	4/28/2009	1.3	<1.0	2.0	<1.0	12.16	NA
	7/16/2009	<1.0	<1.0	<1.0	<1.0	PVC Blocked	NA
	10/5/2009	<1.0	<1.0	4.4	6.0	PVC Blocked	NA
	1/25/2010	3.9	<1.0	<1.0	5.2	PVC Bent	NA
	4/27/2010	<1.0	<1.0	<1.0	<1.0	PVC Bent	NA
	7/23/2010	<1.0	<1.0	<1.0	3.6	PVC Bent	NA
	10/12/2010	1.2	<1.0	<1.0	<1.0	PVC Bent	NA
	1/5/2011	1.0	<1.0	<1.0	<1.0	PVC Bent	NA
	4/22/2011	Insufficient Water - Not Sampled				PVC Bent	NA
	7/12/2011	<1.0	<1.0	<1.0	<1.0	PVC Bent	NA
	10/21/2011	2.3	<1.0	<1.0	<1.0	PVC Bent	NA
	1/31/2012	<1.0	<1.0	<1.0	<1.0	PVC Bent	NA



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	4/18/2012	<1.0	<1.0	<1.0	<1.0	PVC Bent	NA
	7/17/2013	Dry -Not Sampled				Dry	NA
	10/7/2013	Dry - Not Sampled				Dry	NA
	1/14/2014	Damaged - Not Sampled				Damaged	NA
	MW03 destroyed as of 1/14/2014						
MW04	1/11/2007	<1.0	<1.0	<1.0	<1.0	11.61	85.07
	4/4/2007	<1.0	<1.0	<1.0	<1.0	10.56	86.12
	7/9/2007	<1.0	<1.0	<1.0	<1.0	11.46	85.22
	10/3/2007	<1.0	<1.0	<1.0	<1.0	11.81	84.87
	1/14/2008	<1.0	<1.0	<1.0	<1.0	13.76	82.92
	4/2/2008	<1.0	<1.0	<1.0	<1.0	13.31	83.37
	7/3/2008	<1.0	<1.0	<1.0	<1.0	13.13	83.55
	10/27/2008	<1.0	<1.0	<1.0	<1.0	12.61	84.07
	1/7/2009	<1.0	<1.0	<1.0	<1.0	13.04	83.64
	4/28/2009	1.7	<1.0	<1.0	<1.0	11.84	84.89
	7/16/2009	<1.0	<1.0	<1.0	<1.0	12.06	85.05
	10/5/2009	<1.0	<1.0	2.2	3.0	12.23	84.50
	1/25/2010	<1.0	<1.0	<1.0	<1.0	12.56	84.17
	4/27/2010	<1.0	<1.0	<1.0	<1.0	11.02	85.71
	7/23/2010	<1.0	<1.0	<1.0	2.4	11.71	85.02
	10/12/2010	<1.0	<1.0	<1.0	<1.0	12.77	83.96
	1/5/2011	Insufficient Water - Not Sampled				13.09	83.64
	4/22/2011	<1.0	<1.0	<1.0	<1.0	13.24	83.49
	7/12/2011	<1.0	<1.0	<1.0	<1.0	12.23	84.50
	10/21/2011	<1.0	<1.0	<1.0	<1.0	12.86	83.87
	1/31/2012	<1.0	<1.0	<1.0	<1.0	12.82	83.91
	4/18/2012	<1.0	<1.0	<1.0	<1.0	12.79	83.94
	7/9/2012	<1.0	<1.0	<1.0	<1.0	13.28	83.45
	10/19/2012	<1.0	<1.0	<1.0	<1.0	13.53	83.20
	1/17/2013	<1.0	<1.0	<1.0	<1.0	13.76	82.97
	4/18/2013	<1.0	<1.0	<1.0	<1.0	13.00	83.73
	7/17/2013	<1.0	<1.0	<1.0	<1.0	12.49	84.24
	10/7/2013	<1.0	<1.0	<1.0	<1.0	10.56	86.17
	12/18/2013	Surveyed - Not Sampled				11.36	85.16
	1/14/2014	<4.0	<4.0	<4.0	<4.0	11.83	84.90
	4/10/2014	<1.0	<1.0	<1.0	<1.0	11.49	85.03



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	7/2/2014	<1.0	<1.0	<1.0	<1.0	11.22	85.30
	10/16/2014	<1.0	<1.0	<1.0	<1.0	7.98	88.54
	1/7/2015	<1.0	<1.0	<1.0	<1.0	11.61	84.91
	4/7/2015	<1.0	<1.0	<1.0	<1.0	11.28	85.24
	7/17/2015	<1.0	<1.0	<1.0	<1.0	10.25	86.27
	10/1/2015	1.1	<1.0	<1.0	<1.0	11.24	85.28
	1/18/2016	<1.0	<1.0	<1.0	<1.0	11.40	85.12
	4/8/2016	<1.0	<1.0	<1.0	<1.0	9.70	86.82
	7/20/2016	<1.00	<1.00	<1.00	<1.00	10.90	85.62
	10/12/2016	<1.00	<1.00	<1.00	<1.00	12.16	84.36
	1/9/2017	<1.00	<1.00	<1.00	<1.00	12.50	84.02
	4/10/2017	<1.00	<1.00	<1.00	<1.00	12.80	83.72
<hr/>							
MW05	1/11/2007	<1.0	<1.0	<1.0	<1.0	11.02	85.51
	4/4/2007	<1.0	<1.0	<1.0	<1.0	10.15	86.38
	7/9/2007	<1.0	<1.0	<1.0	<1.0	10.63	85.90
	10/3/2007	<1.0	<1.0	<1.0	<1.0	11.50	85.03
	1/14/2008	<1.0	<1.0	<1.0	<1.0	13.70	82.83
	4/2/2008	3.9	<1.0	<1.0	<1.0	14.70	81.83
	7/3/2008	<1.0	<1.0	<1.0	<1.0	12.62	83.91
	10/27/2008	<1.0	<1.0	<1.0	<1.0	12.46	84.07
	1/7/2009	<1.0	<1.0	<1.0	<1.0	12.66	83.87
	4/28/2009	1.4	<1.0	<1.0	<1.0	12.02	84.51
	7/16/2009	<1.0	<1.0	<1.0	<1.0	11.96	84.57
	10/5/2009	<1.0	<1.0	1.3	<1.0	11.89	84.64
	1/25/2010	<1.0	<1.0	<1.0	<1.0	12.20	84.33
	4/27/2010	<1.0	<1.0	<1.0	<1.0	11.34	85.19
	7/23/2010	<1.0	<1.0	<1.0	<1.0	11.65	84.88
	10/12/2010	<1.0	<1.0	<1.0	<1.0	12.41	84.12
	1/5/2011	<1.0	<1.0	<1.0	<1.0	12.60	83.93
	4/22/2011	<1.0	<1.0	<1.0	<1.0	12.80	83.73
	7/12/2011	<1.0	<1.0	<1.0	<1.0	12.25	84.28
	10/21/2011	<1.0	<1.0	<1.0	<1.0	12.60	83.93
	1/31/2012	<1.0	<1.0	<1.0	2.0	12.55	83.98
	4/18/2012	<1.0	<1.0	<1.0	<1.0	12.50	84.03
	7/9/2012	<1.0	<1.0	<1.0	<1.0	13.28	83.25
	10/19/2012	<1.0	<1.0	<1.0	<1.0	13.17	83.36



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	1/17/2013	<1.0	<1.0	<1.0	<1.0	13.27	83.26
	4/18/2013	<1.0	<1.0	<1.0	<1.0	12.94	83.59
	7/17/2013	<1.0	<1.0	<1.0	<1.0	12.55	83.98
	10/7/2013	<1.0	<1.0	<1.0	<1.0	10.85	85.68
	12/18/2013	Surveyed - Not Sampled				11.82	85.21
	1/14/2014	<4.0	<4.0	<4.0	<4.0	11.46	85.07
	4/10/2014	<1.0	<1.0	<1.0	<1.0	11.98	85.05
	7/2/2014	<1.0	<1.0	<1.0	<1.0	11.58	85.45
	10/16/2014	<1.0	<1.0	<1.0	<1.0	8.70	88.33
	1/7/2015	<1.0	<1.0	<1.0	<1.0	11.71	85.32
	4/7/2015	<1.0	<1.0	<1.0	<1.0	11.82	85.21
	7/17/2015	<1.0	<1.0	<1.0	<1.0	10.71	86.32
	10/1/2015	<1.0	<1.0	<1.0	<1.0	11.23	85.80
	1/18/2016	<1.0	<1.0	<1.0	<1.0	11.64	85.39
	4/8/2016	<1.0	<1.0	<1.0	<1.0	10.44	86.59
	7/20/2016	<1.00	<1.00	<1.00	<1.00	11.26	85.77
	10/12/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	10/13/2016	Surveyed - Not Sampled				12.49	84.54
	1/9/2017	<1.00	<1.00	<1.00	<1.00	PVC Blocked	NA
	4/10/2017	<1.00	<1.00	<1.00	<1.00	PVC Blocked	NA
<hr/>							
MW06	4/28/2008	2.2	<1.0	<1.0	2.6	12.41	84.01
	7/3/2008	45	<1.0	1.5	7.6	13.22	83.20
	10/27/2008	3.4	<1.0	<1.0	<1.0	12.82	83.60
	1/7/2009	12	<1.0	1.9	4.6	13.03	83.39
	4/28/2009	1.4	<1.0	<1.0	<1.0	12.31	84.11
	7/16/2009	<1.0	<1.0	<1.0	<1.0	11.14	85.28
	10/5/2009	3.9	<1.0	1.1	<1.0	12.10	84.32
	1/25/2010	7.6	<1.0	<1.0	<1.0	12.50	83.92
	4/27/2010	<1.0	<1.0	<1.0	<1.0	11.32	85.10
	7/23/2010	6.9	<1.0	<1.0	<1.0	11.94	84.48
	10/12/2010	12	<1.0	<1.0	<1.0	12.80	83.62
	1/5/2011	4.6	<1.0	<1.0	<1.0	12.95	83.47
	4/22/2011	1.5	<1.0	<1.0	<1.0	13.15	83.27
	7/12/2011	<1.0	<1.0	<1.0	<1.0	12.56	83.86
	10/21/2011	<1.0	<1.0	<1.0	<1.0	12.86	83.56
	1/31/2012	<1.0	<1.0	<1.0	<1.0	12.82	83.60



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	4/18/2012	2.7	<1.0	<1.0	<1.0	12.97	83.45
	7/9/2012	<1.0	<1.0	<1.0	<1.0	13.56	82.86
	10/19/2012	<1.0	<1.0	<1.0	<1.0	13.58	82.84
	1/17/2013	1.1	<1.0	<1.0	<1.0	13.72	82.70
	4/18/2013	2.2	<1.0	<1.0	<1.0	13.40	83.02
	7/17/2013	<1.0	<1.0	<1.0	<1.0	12.90	83.52
	10/7/2013	<1.0	<1.0	<1.0	<1.0	10.92	85.50
	12/18/2013	Surveyed - Not Sampled				11.46	84.90
	1/14/2014	<4.0	<4.0	<4.0	<4.0	12.84	83.58
	4/10/2014	<1.0	<1.0	<1.0	<1.0	11.78	84.58
	7/2/2014	<1.0	<1.0	<1.0	<1.0	11.34	85.02
	10/16/2014	<1.0	<1.0	<1.0	<1.0	7.81	88.55
	1/7/2015	<1.0	<1.0	<1.0	<1.0	11.65	84.71
	4/7/2015	<1.0	<1.0	<1.0	<1.0	11.54	84.82
	7/17/2015	<1.0	<1.0	<1.0	<1.0	10.36	86.00
	10/1/2015	<1.0	<1.0	<1.0	<1.0	11.13	85.23
	1/18/2016	<1.0	<1.0	<1.0	<1.0	10.97	85.39
	4/8/2016	<1.0	<1.0	<1.0	<1.0	10.10	86.26
	7/20/2016	1.07	<1.00	<1.00	<1.00	11.21	85.15
	10/12/2016	1.97	<1.00	<1.00	<1.00	NM	NA
	10/13/2016	Surveyed - Not Sampled				12.44	83.92
	1/9/2017	<1.00	<1.00	<1.00	<1.00	12.58	83.78
	4/10/2017	<1.00	<1.00	<1.00	<1.00	12.84	83.52
<hr/>							
MW07	4/28/2008	540	2.3	470	2600	12.60	83.16
	7/3/2008	350	<1.0	120	430	13.33	82.43
	10/27/2008	3.2	<1.0	12	67	12.49	83.27
	1/7/2009	38	<1.0	94	260	12.89	82.87
	4/28/2009	1.5	<1.0	4.6	3.4	12.15	83.61
	7/16/2009	<1.0	<1.0	1.4	<1.0	11.71	84.05
	10/5/2009	5.4	<1.0	19	15	PVC Blocked	NA
	1/25/2010	32	<1.0	29	<1.0	12.52	83.24
	4/27/2010	2.0	<1.0	3.3	<1.0	PVC Bent	NA
	7/23/2010	8.6	<1.0	10	<1.0	PVC Bent	NA
	10/12/2010	<1.0	<1.0	3.1	<1.0	PVC Bent	NA
	1/5/2011	Insufficient Water - Not Sampled				PVC Bent	NA
	4/22/2011	69	<1.0	50	3.2	PVC Bent	NA



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	7/12/2011	2.8	<1.0	1.6	<1.0	PVC Bent	NA
	10/21/2011	10	1.6	30	<1.0	PVC Bent	NA
	1/31/2012	7.3	<1.0	25	2.4	12.51	83.25
	4/18/2012	6.9	<1.0	31	<1.0	PVC Bent	NA
	7/9/2012	2.7	<1.0	22	<1.0	12.90	82.86
	10/19/2012	<1.0	<1.0	3.0	<1.0	NM	NA
	1/17/2013	7.0	<1.0	32	<1.0	PVC Blocked	NA
	4/18/2013	<1.0	<1.0	2.7	<1.0	11.85	83.91
	7/17/2013	<1.0	<1.0	5.4	<1.0	11.00	84.76
	10/7/2013	Not Sampled				PVC Blocked	NA
	12/18/2013	Surveyed - Not Sampled				11.68	85.32
	1/14/2014	Damaged - Not Sampled				Damaged	NA
	MW07 destroyed as of 1/14/2014						
MW08	4/28/2008	43	9.6	180	530	12.74	85.03
	7/3/2008	11	1.1	150	500	12.68	85.09
	10/27/2008	8.0	<1.0	33	280	11.91	85.86
	1/7/2009	20	<1.0	81	290	12.76	85.01
	4/28/2009	2.8	<1.0	4.1	17	10.92	86.85
	7/16/2009	4.4	<1.0	1.9	7.6	12.32	86.45
	10/5/2009	14	<1.0	45	37	12.21	85.56
	1/25/2010	52	<1.0	93	16	12.55	85.22
	4/27/2010	7.2	<1.0	7.5	2.1	PVC Blocked	NA
	7/23/2010	12	<1.0	8.5	<1.0	11.15	86.62
	10/12/2010	48	<1.0	27	2.6	12.25	85.52
	1/5/2011	22	<1.0	38	42	13.05	84.72
	4/22/2011	70	<1.0	44	97	13.16	84.61
	7/12/2011	<1.0	<1.0	<1.0	3.7	11.79	85.98
	10/21/2011	46	<1.0	38	150	12.29	85.48
	1/31/2012	39	<1.0	37	130	12.57	85.20
	4/18/2012	31	<1.0	68	250	12.62	85.15
	7/9/2012	75	1.3	96	310	12.96	84.81
	10/19/2012	16	<1.0	37	140	13.20	84.57
	1/17/2013	17	<1.0	140	420	13.63	84.14
	4/18/2013	4.5	<1.0	18	120	12.78	84.99
	7/17/2013	20	<1.0	7.2	46	PVC Blocked	NA
	10/7/2013	11	<1.0	15	59	10.57	87.20



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	12/18/2013	Surveyed - Not Sampled				11.58	86.32
	1/14/2014	28.1	<4.0	14.6	58.1	11.72	86.05
	4/10/2014	21.7	<1.0	40.1	148	11.67	86.23
	7/2/2014	26.2	<1.0	20.6	79.0	11.26	86.64
	10/16/2014	65.1	<1.0	58.8	182	10.28	87.62
	1/7/2015	109	<1.0	74.6	351	11.89	86.01
	4/7/2015	51.0	<1.0	91.2	345	11.21	86.69
	7/17/2015	122	<4.0	50.4	397	10.39	87.51
	10/1/2015	69.2	<2.0	25.7	184	11.11	86.79
	1/18/2016	104	<1.0	58.6	289	13.02	84.88
	4/8/2016	55.8	<1.0	85.2	280	9.93	87.97
	7/20/2016	75.9	<1.00	103	396	10.51	87.39
	10/12/2016	61.4	<1.00	127	386	NM	NA
	10/13/2016	Surveyed - Not Sampled				11.49	86.41
	1/9/2017	58.8	<1.00	140	395	12.35	85.55
	4/10/2017	31.3	<1.00	136	330	12.78	85.12
MW09	8/15/2008	Dry - Not Sampled				Dry	NA
	10/27/2008	Dry - Not Sampled				Dry	NA
	1/7/2009	Dry - Not Sampled				Dry	NA
	4/28/2009	Dry - Not Sampled				Dry	NA
	7/16/2009	Dry - Not Sampled				Dry	NA
	10/5/2009	Dry - Not Sampled				Dry	NA
	1/25/2010	Insufficient Water - Not Sampled				11.03	NA
	4/27/2010	<1.0	<1.0	<1.0	<1.0	10.33	NA
	7/23/2010	Dry - Not Sampled				NM	NA
	MW09 destroyed as of 10/12/2010						
MW09R	4/22/2011	33	2.2	150	1900	13.41	82.74
	7/12/2011	1.1	<1.0	<1.0	8.3	12.16	83.93
	10/21/2011	16	<1.0	80	280	12.90	83.19
	1/31/2012	3.3	<1.0	47	66	12.93	83.16
	4/18/2012	4.9	<1.0	70	26	12.65	83.44
	7/9/2012	6.5	<1.0	95	<1.0	13.65	82.44
	10/19/2012	5.4	<1.0	160	86	13.94	82.15
	1/17/2013	15	<1.0	230	240	14.34	81.75
	4/18/2013	6.8	<1.0	130	120	13.28	82.81



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	7/17/2013	2.1	<1.0	27	26	12.19	83.90
	10/7/2013	<1.0	<1.0	1.6	3.5	10.29	85.80
	12/18/2013	Surveyed - Not Sampled				11.38	84.74
	1/14/2014	<4.0	<4.0	<4.0	<4.0	11.84	84.27
	4/10/2014	6.1	<1.0	8.0	17.6	11.56	84.56
	7/2/2014	4.6	<1.0	<1.0	<1.0	11.42	84.70
	10/16/2014	5.8	<1.0	<1.0	2.3	8.73	87.39
	1/7/2015	1.8	<1.0	<1.0	<1.0	12.07	84.05
	4/7/2015	<1.0	<1.0	<1.0	<1.0	11.48	84.64
	7/17/2015	<1.0	<1.0	<1.0	<1.0	10.18	85.94
	10/1/2015	8.4	1.1	3.0	2.1	11.50	84.62
	1/18/2016	3.4	<1.0	<1.0	<1.0	11.65	84.47
	4/8/2016	<1.0	<1.0	<1.0	<1.0	9.70	86.42
	7/20/2016	1.75	<1.00	<1.00	<1.00	11.05	85.07
	10/12/2016	3.54	<1.00	<1.00	<1.00	NM	NA
	10/13/2016	Surveyed - Not Sampled				12.56	83.56
	1/9/2017	1.96	<1.00	<1.00	2.53	12.98	83.14
	4/10/2017	5.87	<1.00	8.27	42.3	13.37	82.75
MW10	8/15/2008	Dry - Not Sampled				Dry	NA
	10/27/2008	Dry - Not Sampled				Dry	NA
	1/7/2009	Dry - Not Sampled				Dry	NA
	4/28/2009	Dry - Not Sampled				Dry	NA
	7/16/2009	Dry - Not Sampled				Dry	NA
	10/5/2009	Dry - Not Sampled				Dry	NA
	1/25/2010	Insufficient Water - Not Sampled				PVC Bent	NA
	7/23/2010	Dry -Not Sampled				NM	NA
	MW10 destroyed as of 10/12/2010						
MW11	8/15/2008	<1.0	<1.0	<1.0	<1.0	12.45	NA
	10/27/2008	<1.0	<1.0	<1.0	<1.0	12.01	NA
	1/7/2009	<1.0	<1.0	<1.0	<1.0	12.69	NA
	4/28/2009	<1.0	<1.0	<1.0	<1.0	12.75	NA
	7/16/2009	<1.0	<1.0	<1.0	<1.0	12.01	NA
	10/5/2009	<1.0	<1.0	<1.0	<1.0	12.03	NA
	1/25/2010	Insufficient Water - Not Sampled				12.57	NA
	4/27/2010	<1.0	<1.0	<1.0	<1.0	11.52	NA



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	7/23/2010	<1.0	<1.0	<1.0	<1.0	11.25	NA
	10/12/2010	<1.0	<1.0	<1.0	<1.0	11.92	NA
	1/5/2011	Insufficient Water - Not Sampled				12.30	NA
	4/22/2011	Insufficient Water - Not Sampled				12.40	NA
	7/12/2011	Removed from monitoring				NM	NA
MW12	8/15/2008	<1.0	<1.0	<1.0	<1.0	11.85	84.05
	10/27/2008	<1.0	<1.0	<1.0	<1.0	11.95	83.45
	1/7/2009	<1.0	<1.0	<1.0	<1.0	12.14	83.26
	4/28/2009	<1.0	<1.0	<1.0	<1.0	11.46	83.94
	7/16/2009	<1.0	<1.0	<1.0	<1.0	11.32	84.08
	10/5/2009	<1.0	<1.0	<1.0	<1.0	11.18	84.22
	1/25/2010	<1.0	<1.0	<1.0	<1.0	11.50	83.90
	4/27/2010	<1.0	<1.0	<1.0	<1.0	10.61	84.79
	7/23/2010	<1.0	<1.0	<1.0	<1.0	11.18	84.22
	10/12/2010	<1.0	<1.0	<1.0	<1.0	11.79	83.61
	1/5/2011	<1.0	<1.0	<1.0	<1.0	11.95	83.45
	4/22/2011	<1.0	<1.0	<1.0	<1.0	12.26	83.14
	7/12/2011	<1.0	<1.0	<1.0	<1.0	11.72	83.68
	10/21/2011	<1.0	<1.0	<1.0	<1.0	12.01	83.39
	1/31/2012	Removed from monitoring				NM	NA
	7/9/2012	Removed from monitoring				NM	NA
	12/18/2013	Surveyed - Not Sampled				10.79	84.80
MW13	8/15/2008	<1.0	<1.0	<1.0	<1.0	12.00	82.80
	10/27/2008	<1.0	<1.0	<1.0	<1.0	11.49	83.31
	1/7/2009	<1.0	<1.0	<1.0	<1.0	11.77	83.03
	4/28/2009	<1.0	<1.0	<1.0	<1.0	10.98	83.82
	7/16/2009	<1.0	<1.0	<1.0	<1.0	10.99	83.81
	10/5/2009	<1.0	<1.0	<1.0	<1.0	10.70	84.07
	1/25/2010	<1.0	<1.0	<1.0	<1.0	11.05	83.75
	4/27/2010	<1.0	<1.0	<1.0	<1.0	10.04	84.76
	7/23/2010	<1.0	<1.0	<1.0	<1.0	10.75	84.05
	10/12/2010	<1.0	<1.0	<1.0	<1.0	11.44	83.36
	1/5/2011	<1.0	<1.0	<1.0	<1.0	11.55	83.25
	4/22/2011	<1.0	<1.0	<1.0	<1.0	11.85	82.95
	7/12/2011	<1.0	<1.0	<1.0	<1.0	11.36	83.44



TABLE 1
GROUNDWATER ANALYTICAL AND FIELD RESULTS
EDWARDS WILLIAM 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)
	10/21/2011	<1.0	<1.0	<1.0	<1.0	11.61	83.19
	1/31/2012	Removed from monitoring				NM	NA
	7/9/2012	Removed from monitoring				NM	NA
	12/18/2013	Surveyed - Not Sampled				10.39	84.64
MW14	7/12/2011	Dry - Not Sampled				PVC Blocked	NA
	MW14 destroyed as of 10/21/2011						
MW14R	7/24/2013	<1.0	<1.0	280	120	12.40	82.61
	10/7/2013	<1.0	<1.0	580	650	9.99	85.02
	12/18/2013	Surveyed - Not Sampled				11.32	83.93
	1/14/2014	<4.0	<4.0	564	908	11.82	83.19
	4/10/2014	<4.0	<4.0	637	1130	11.62	83.63
	7/2/2014	<4.0	<4.0	764	1100	11.52	83.73
	10/16/2014	<1.0	<1.0	465	681	8.50	86.75
	1/7/2015	<1.0	<1.0	352	492	12.31	82.94
	4/7/2015	<1.0	<1.0	508	722	11.49	83.76
	7/17/2015	<4.0	<4.0	667	649	10.21	85.04
	10/1/2015	<4.0	<4.0	9.4	<4.0	11.27	83.98
	1/18/2016	<1.0	<1.0	98.8	114	11.32	83.93
	4/8/2016	<1.0	<1.0	251	256	10.45	84.80
	7/20/2016	Inaccessible - Not Sampled. Inaccessible				NM	NA
	7/25/2016	4.21	2.56	46.8	45.3	11.41	83.84
	10/12/2016	<1.00	<1.00	4.24	3.90	NM	NA
	10/13/2016	Surveyed - Not Sampled				12.53	82.72
	1/9/2017	<1.00	<1.00	15.2	16.8	12.39	82.86
	4/10/2017	<1.00	<1.00	5.04	3.40	13.13	82.12
COGCC Allowable Levels		5	1000	700	1400		

Notes: COGCC - 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



April 17, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Edward Williams J GU #1

Project Number - KMG06224/WO#883346

Attached are your analytical results for KMG - Edward Williams J GU #1 received by Origins Laboratory, Inc. April 10, 2017. This project is associated with Origins project number Y704113-01.

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: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y704113-01	Water	April 10, 2017 13:45	04/10/2017 14:51
MW02	Y704113-02	Water	April 10, 2017 13:50	04/10/2017 14:51
MW04	Y704113-03	Water	April 10, 2017 13:55	04/10/2017 14:51
MW05	Y704113-04	Water	April 10, 2017 14:00	04/10/2017 14:51
MW06	Y704113-05	Water	April 10, 2017 14:05	04/10/2017 14:51
MW08	Y704113-06	Water	April 10, 2017 14:10	04/10/2017 14:51
MW09R	Y704113-07	Water	April 10, 2017 14:15	04/10/2017 14:51
MW14R	Y704113-08	Water	April 10, 2017 14:20	04/10/2017 14:51

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: KMG06224/VO#88334665
Project: KMG - Edward Williams J GU #1

ORIGINS
LABORATORY, INC

704113

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

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger					
Project: KMG - Edward Williams J GU #1		Project Number: KMG06224/VO#88334665					
Number	Sample Identification	Matrix	Sample Date	Sample Time	Container	Qty	Analysis
01-001	MW01	Water	4/10/17	1345	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW02	Water	✓	1350	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW04	Water		1355	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW05	Water		1400	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	MW06	Water	✓	1405	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW08	Water		1410	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
07-001	MW09R	Water		1415	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
08-001	MW14R	Water	✓	1430	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Temperature on Receipt: 11.3
Turn Around Time:
Same Day: ☐ 72-hr: ☒
24-hr: ☐ Standard: ☐
48-hr: ☐

Relinquished By: _____ Date / Time: _____
Received By: _____ Date / Time: _____

Relinquished By: *[Signature]* 4/10/17 1451
Received By: *[Signature]* 4-11-17 1451

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: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 1704113

Client: LTE

Client Project ID: KMG - Edward Williams J GU #1

Checklist Completed by: [Signature]

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

Date/time completed: 4-10-12 158

Airbill #: 914

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

Cooler Number/Temperature: 1 / 113 °C / _____ °C / _____ °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"/>		<u>sampled same Day</u>
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 NaAsO 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: 4/11/12

Origins Laboratory, Inc.

[Signature]

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: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW01

4/10/2017 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y704113-01 (Water)

BTEX by EPA 8260C

Benzene	42.5	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	28.8	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121		"	"	"
Surrogate: Toluene-d8	101 %	85-115		"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	84-114		"	"	"

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW02

4/10/2017 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704113-02 (Water)

BTEX by EPA 8260C

Benzene	6650	50.0	ug/L	50	B7D1306	04/13/2017	04/15/2017	
Toluene	ND	10.0	"	10	"	"	04/13/2017	U
Ethylbenzene	511	10.0	"	"	"	"	"	
Xylenes, total	1420	10.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW04

4/10/2017 1:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y704113-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	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	106 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	84-114	"	"	"

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW05

4/10/2017 2:00:00PM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y704113-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121	"	"	"
Surrogate: Toluene-d8	106 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %	84-114	"	"	"

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW06

4/10/2017 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704113-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"
Surrogate: Toluene-d8	106 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW08

4/10/2017 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704113-06 (Water)

BTEX by EPA 8260C

Benzene	31.3	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	136	1.00	"	"	"	"	"	
Xylenes, total	330	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW09R

4/10/2017 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704113-07 (Water)

BTEX by EPA 8260C

Benzene	5.87	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	8.27	1.00	"	"	"	"	"	
Xylenes, total	42.3	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

MW14R

4/10/2017 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704113-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1306	04/13/2017	04/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	5.04	1.00	"	"	"	"	"	
Xylenes, total	3.40	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1306 - EPA 5030B (Water)

Blank (B7D1306-BLK1)

Prepared: 04/13/2017 Analyzed: 04/13/2017

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	63		"	62.5		100	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.7	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.6	84-114			

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7D1306 - EPA 5030B (Water)										
Blank (B7D1306-BLK2)					Prepared: 04/13/2017 Analyzed: 04/13/2017					
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	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	61		"	62.5	97.8		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.7		84-114			

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7D1306 - EPA 5030B (Water)										
LCS (B7D1306-BS1)					Prepared: 04/13/2017 Analyzed: 04/13/2017					
Benzene	48.2	1.00	ug/L	50.0		96.5	73.3-129			
Toluene	50.7	1.00	"	50.0		101	76.2-123			
Ethylbenzene	52.1	1.00	"	50.0		104	73.6-130			
m,p-Xylene	107	2.00	"	100		107	76.1-126			
o-Xylene	51.7	1.00	"	50.0		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.3	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.4	84-114			

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1306 - EPA 5030B (Water)

LCS (B7D1306-BS2)

Prepared: 04/13/2017 Analyzed: 04/13/2017

Benzene	52.4	1.00	ug/L	50.0		105	73.3-129
Toluene	53.7	1.00	"	50.0		107	76.2-123
Ethylbenzene	56.0	1.00	"	50.0		112	73.6-130
m,p-Xylene	112	2.00	"	100		112	76.1-126
o-Xylene	55.2	1.00	"	50.0		110	76.6-124
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.0	84-121
Surrogate: Toluene-d8	61		"	62.5		97.4	85-115
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.5	84-114

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1306 - EPA 5030B (Water)

Matrix Spike (B7D1306-MS1)		Source: Y704109-03			Prepared: 04/13/2017 Analyzed: 04/13/2017					
Benzene	51.9	1.00	ug/L	50.0	ND	104	74-130			
Toluene	55.5	1.00	"	50.0	ND	111	73-131			
Ethylbenzene	59.8	1.00	"	50.0	ND	120	76-132			
m,p-Xylene	120	2.00	"	100	ND	120	69-139			
o-Xylene	56.4	1.00	"	50.0	ND	113	74-131			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		86.1	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.9	84-114			

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1306 - EPA 5030B (Water)

Matrix Spike (B7D1306-MS2)		Source: Y704109-05			Prepared: 04/13/2017 Analyzed: 04/13/2017					
Benzene	51.7	1.00	ug/L	50.0	ND	103	74-130			
Toluene	54.1	1.00	"	50.0	ND	108	73-131			
Ethylbenzene	59.6	1.00	"	50.0	ND	119	76-132			
m,p-Xylene	114	2.00	"	100	ND	114	69-139			
o-Xylene	54.8	1.00	"	50.0	ND	110	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.9	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.4	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.2	84-114			

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1306 - EPA 5030B (Water)

Matrix Spike Dup (B7D1306-MSD1)		Source: Y704109-03			Prepared: 04/13/2017 Analyzed: 04/13/2017					
Benzene	52.6	1.00	ug/L	50.0	ND	105	74-130	1.30	20	
Toluene	54.6	1.00	"	50.0	ND	109	73-131	1.67	20	
Ethylbenzene	57.1	1.00	"	50.0	ND	114	76-132	4.57	20	
m,p-Xylene	115	2.00	"	100	ND	115	69-139	3.51	20	
o-Xylene	55.4	1.00	"	50.0	ND	111	74-131	1.90	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.0	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.1	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.0	84-114			

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1306 - EPA 5030B (Water)

Matrix Spike Dup (B7D1306-MSD2)		Source: Y704109-05			Prepared: 04/13/2017 Analyzed: 04/13/2017					
Benzene	50.8	1.00	ug/L	50.0	ND	102	74-130	1.68	20	
Toluene	54.0	1.00	"	50.0	ND	108	73-131	0.185	20	
Ethylbenzene	58.2	1.00	"	50.0	ND	116	76-132	2.26	20	
m,p-Xylene	112	2.00	"	100	ND	112	69-139	2.19	20	
o-Xylene	53.7	1.00	"	50.0	ND	107	74-131	2.05	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.1	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		93.3	84-114			

Origins Laboratory, Inc.



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

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

Brian Sulzberger
Project Number: KMG06224/WO#88334665
Project: KMG - Edward Williams J GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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.