

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Soil Sample ID	Depth (feet bgs)	Date	TPH (mg/kg)
B01@13'	13'	8/3/2005	3500
E01@11'	11'	8/3/2005	1500
N01@11'	11'	8/3/2005	110
S01@11'	11'	8/3/2005	650
B02@14'	14'	8/8/2005	710
E02@11'	11'	8/8/2005	<50
COGCC Sensitive Area Allowable Level			1000

Notes: bgs - below ground surface

mg/kg - milligrams per kilogram

TPH - total petroleum hydrocarbons

COGCC - Colorado Oil and Gas Conservation Commission

Bold indicates result exceeds allowable level



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)
AB01	8/10/2005	1400	<1.0	840	15000	15	NA
MW01	9/29/2005	1.2	<1.0	1.0	15	7.90	NA
	12/13/2005	Insufficient Water - Not Sampled				14.21	NA
	3/21/2006	Dry - Not Sampled				Dry	NA
	6/28/2006	Dry - Not Sampled				Dry	NA
	9/30/2006	<1.0	<1.0	<1.0	<1.0	10.93	NA
	12/5/2006	Dry - Not Sampled				Dry	NA
	3/5/2007	Insufficient Water - Not Sampled				17.90	NA
	6/4/2007	<1.0	<1.0	<1.0	<1.0	7.34	NA
	9/11/2007	<1.0	<1.0	<1.0	<1.0	3.20	NA
	12/7/2007	<1.0	<1.0	<1.0	<1.0	10.65	NA
	3/6/2008	Insufficient Water - Not Sampled				17.25	NA
	6/10/2008	<1.0	<1.0	<1.0	<1.0	7.60	NA
	9/4/2008	<1.0	<1.0	<1.0	<1.0	4.37	NA
	12/17/2008	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/9/2009	<1.0	<1.0	<1.0	<1.0	16.66	NA
	6/24/2009	<1.0	<1.0	<1.0	<1.0	9.78	NA
	9/10/2009	Removed from monitoring				NM	NA
MW02	9/29/2005	<1.0	<1.0	<1.0	<2.0	10.70	NA
	12/13/2005	Insufficient Water - Not Sampled				19.00	NA
	3/21/2006	Dry - Not Sampled				Dry	NA
	6/28/2006	Dry - Not Sampled				Dry	NA
	9/30/2006	<1.0	<1.0	<1.0	<1.0	15.46	NA
	12/5/2006	Dry - Not Sampled				Dry	NA
	3/5/2007	Dry - Not Sampled				Dry	NA
	6/4/2007	<1.0	<1.0	<1.0	<1.0	12.90	NA
	9/11/2007	<1.0	<1.0	<1.0	<1.0	7.60	NA
	12/7/2007	<1.0	<1.0	<1.0	<1.0	15.19	NA
	3/6/2008	Dry - Not Sampled				Dry	NA
	6/10/2008	<1.0	<1.0	<1.0	<1.0	12.75	NA
	9/4/2008	<1.0	<1.0	<1.0	<1.0	9.70	NA
	12/17/2008	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/9/2009	Dry - Not Sampled				Dry	NA
	6/24/2009	<1.0	<1.0	<1.0	<1.0	14.48	NA
	9/10/2009	Removed from monitoring				NM	NA
MW03	9/29/2005	<1.0	<1.0	<1.0	<2.0	12.20	NA
	12/13/2005	Insufficient Water - Not Sampled				17.00	NA
	3/21/2006	Dry - Not Sampled				Dry	NA
	6/28/2006	<1.0	<1.0	<1.0	<1.0	19.50	NA
	9/30/2006	<1.0	<1.0	<1.0	<1.0	17.29	NA
	MW03 destroyed as of 12/5/2006						



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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)
MW03R	9/11/2007	<1.0	<1.0	<1.0	<1.0	9.45	87.50
	12/7/2007	Insufficient Water - Not Sampled				17.25	79.70
	3/6/2008	Dry - Not Sampled				Dry	NA
	6/10/2008	<1.0	<1.0	<1.0	<1.0	15.11	81.84
	9/4/2008	<1.0	<1.0	<1.0	<1.0	12.87	84.07
	12/17/2008	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/9/2009	Dry - Not Sampled				Dry	NA
	6/24/2009	<1.0	<1.0	<1.0	<1.0	16.62	80.33
	9/10/2009	<1.0	<1.0	<1.0	<1.0	12.38	84.57
	12/21/2009	Insufficient Water - Not Sampled				17.89	79.06
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	<1.0	<1.0	<1.0	<1.0	12.03	84.92
	9/30/2010	<1.0	<1.0	<1.0	<1.0	8.97	87.98
	12/8/2010	<1.0	<1.0	<1.0	<1.0	15.94	81.01
	3/25/2011	Dry - Not Sampled				Dry	NA
	6/23/2011	<1.0	<1.0	<1.0	<1.0	15.41	81.54
	9/26/2011	<1.0	<1.0	<1.0	<1.0	11.57	85.38
	12/29/2011	<1.0	<1.0	<1.0	<1.0	18.27	78.68
	3/20/2012	Dry - Not Sampled				Dry	NA
	6/12/2012	Dry - Not Sampled				Dry	NA
	9/25/2012	Dry - Not Sampled				Dry	NA
	12/18/2012	Dry - Not Sampled				Dry	NA
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	<1.0	<1.0	<1.0	<1.0	17.00	79.95
	12/27/2013	Dry - Not Sampled				Dry	NA
	3/13/2014	Dry - Not Sampled				Dry	NA
	6/24/2014	Dry - Not Sampled				Dry	NA
	9/26/2014	Insufficient Water - Not Sampled				19.03	77.91
	12/23/2014	Insufficient Water - Not Sampled				19.13	77.81
	3/10/2015	Dry - Not Sampled				Dry	NA
	6/22/2015	Dry - Not Sampled				Dry	NA
	9/25/2015	Dry - Not Sampled				Dry	NA
	12/30/2015	Dry - Not Sampled				Dry	NA
	3/30/2016	Dry - Not Sampled				Dry	NA
	6/28/2016	Dry - Not Sampled				Dry	NA
	9/6/2016	Dry - Not Sampled				Dry	NA
	11/11/2016	Dry - Not Sampled				Dry	NA
	12/22/2016	Frozen - Not Sampled				NM	NA
	3/30/2017	Dry - Not Sampled				Dry	NA
	6/21/2017	Dry - Not Sampled				Dry	NA
	9/5/2017	Dry - Not Sampled				Dry	NA
	12/4/2017	Dry - Not Sampled				Dry	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)	
MW04	1/30/2008	Insufficient Water - Not Sampled					NM	NA
	3/6/2008	Dry - Not Sampled					Dry	NA
	6/10/2008	<1.0	<1.0	<1.0	<1.0	12.00	NA	
	9/4/2008	<1.0	<1.0	<1.0	<1.0	8.95	NA	
	12/17/2008	<1.0	<1.0	<1.0	<1.0	NM	NA	
	3/9/2009	Insufficient Water - Not Sampled					19.20	NA
	6/24/2009	<1.0	<1.0	<1.0	<1.0	14.12	NA	
	9/10/2009	<1.0	<1.0	<1.0	<1.0	12.03	NA	
	12/21/2009	<1.0	<1.0	<1.0	<1.0	15.60	NA	
	3/8/2010	Dry - Not Sampled					Dry	NA
	6/30/2010	Not Found - Not Sampled					Not Found	NA
	9/30/2010	Not Found - Not Sampled					Not Found	NA
	12/8/2010	<1.0	<1.0	<1.0	<1.0	13.67	NA	
	3/25/2011	Dry - Not Sampled					Dry	NA
	6/23/2011	Not Found - Not Sampled					Not Found	NA
MW04 destroyed as of 9/26/2011								
MW04R	12/29/2011	Not Found - Not Sampled					Not Found	NA
MW04R destroyed as of 3/20/2012								
MW05	1/30/2008	Dry - Not Sampled					Dry	NA
	3/6/2008	Dry - Not Sampled					Dry	NA
	6/10/2008	310	<1.0	9.3	13	16.47	78.58	
	9/4/2008	4.5	<1.0	9.4	5.6	13.74	81.31	
	12/17/2008	Insufficient Water - Not Sampled					Dry	NA
	3/9/2009	Insufficient Water - Not Sampled					19.07	75.98
	6/24/2009	76	<1.0	11	2.2	15.53	79.52	
	9/10/2009	200	<1.0	180	340	11.09	83.96	
	12/21/2009	Insufficient Water - Not Sampled					19.21	78.58
	3/8/2010	Dry - Not Sampled					Dry	NA
	6/30/2010	26	<1.0	35	<1.0	15.66	82.13	
	9/30/2010	9.1	8.3	5.5	<1.0	11.37	86.42	
	12/8/2010	1.0	<1.0	<1.0	<1.0	17.77	80.02	
	3/25/2011	Dry - Not Sampled					Dry	NA
	6/23/2011	66	<1.0	<1.0	<1.0	17.62	80.17	
	9/26/2011	2.2	4.6	<1.0	<1.0	14.92	81.87	
	12/29/2011	Insufficient Water - Not Sampled					19.27	77.52
	3/20/2012	Dry - Not Sampled					Dry	NA
	6/12/2012	1.1	<1.0	<1.0	<1.0	20.70	76.09	
	9/25/2012	Insufficient Water - Not Sampled					20.35	76.44
12/18/2012	Insufficient Water - Not Sampled					19.53	77.26	
3/14/2013	Dry - Not Sampled					Dry	NA	
6/26/2013	Dry - Not Sampled					Dry	NA	
9/23/2013	Dry - Not Sampled					Dry	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)
	11/1/2013	Dry - Not Sampled				Dry	NA
	12/27/2013	Dry - Not Sampled				Dry	NA
	3/13/2014	Dry - Not Sampled				Dry	NA
	MW05 destroyed as of 6/14/2014						
MW05R	6/9/2014	Not Sampled				27.79	NA
	6/24/2014	140	<1.0	417	5120	25.65	NA
	9/26/2014	108	<20.0	287	2330	21.21	NA
	12/23/2014	61.4	<20.0	183	1730	24.08	NA
	3/10/2015	123	<10.0	481	7190	28.54	NA
	6/22/2015	121	<4.0	498	5040	29.00	NA
	9/25/2015	130	<4.0	56.5	<4.0	21.37	NA
	12/30/2015	129	<1.0	470	2750	26.13	NA
	3/30/2016	81.5	<10.0	294	2560	28.84	NA
	6/28/2016	124	<4.00	424	2,420	27.99	NA
	9/6/2016	<4.00	<4.00	42.0	78.9	23.23	NA
	11/11/2016	Dry - Not Sampled				Dry	NA
	12/22/2016	Dry - Not Sampled				Dry	NA
	MW05R abandoned on 1/30/2017						
MW05R2	1/31/2017	Insufficient Water - Not Sampled				30.14	66.72
	2/14/2017	8.92	<1.00	126	807	NM	NA
	3/30/2017	<1.00	<1.00	3.70	127	29.65	67.21
	6/21/2017	<1.00	<1.00	9.02	<1.00	28.05	68.81
	9/5/2017	<1.00	<1.00	<1.00	<1.00	28.85	68.01
	12/4/2017	<1.00	<1.00	<1.00	<1.00	26.02	70.84
MW06	1/30/2008	Dry - Not Sampled				Dry	NA
	3/6/2008	Dry - Not Sampled				Dry	NA
	6/10/2008	<1.0	<1.0	<1.0	<1.0	16.52	76.56
	9/4/2008	<1.0	<1.0	<1.0	<1.0	14.11	78.97
	12/17/2008	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/9/2009	Insufficient Water - Not Sampled				19.55	73.53
	6/24/2009	<1.0	<1.0	<1.0	<1.0	18.32	77.74
	9/10/2009	<1.0	<1.0	<1.0	<1.0	12.71	83.35
	12/21/2009	<1.0	<1.0	<1.0	<1.0	18.70	76.81
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	<1.0	<1.0	<1.0	<1.0	15.16	80.35
	9/30/2010	<1.0	<1.0	<1.0	<1.0	11.01	84.50
	12/8/2010	<1.0	<1.0	<1.0	<1.0	17.26	78.25
	3/25/2011	Dry - Not Sampled				Dry	NA
	6/23/2011	Dry - Not Sampled				Dry	NA
	9/26/2011	<1.0	<1.0	<1.0	<1.0	13.45	82.06
	12/29/2011	<1.0	<1.0	<1.0	<1.0	20.95	74.56



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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)
	3/20/2012	Dry - Not Sampled				Dry	NA
	6/12/2012	Dry - Not Sampled				Dry	NA
	9/25/2012	Dry - Not Sampled				Dry	NA
	12/18/2012	Dry - Not Sampled				Dry	NA
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	Dry - Not Sampled				Dry	NA
	11/1/2013	Dry - Not Sampled				Dry	NA
	12/27/2013	Dry - Not Sampled				Dry	NA
	3/13/2014	Dry - Not Sampled				Dry	NA
	6/24/2014	Dry - Not Sampled				Dry	NA
	9/26/2014	Damaged - Not Sampled				PVC Blocked	NA
	MW06 destroyed as of 9/26/2014						
MW07	12/17/2008	<1.0	<1.0	<1.0	<1.0	NM	NA
	3/9/2009	Insufficient Water - Not Sampled				22.73	NA
	6/24/2009	<1.0	<1.0	<1.0	<1.0	18.67	NA
	9/10/2009	Not Found - Not Sampled				Not Found	NA
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	<1.0	<1.0	<1.0	<1.0	14.70	NA
	9/30/2010	<1.0	<1.0	<1.0	<1.0	10.97	NA
	MW07 destroyed as of 12/8/2010						
MW08	12/17/2008	32	<1.0	17	91	NM	NA
	3/9/2009	Dry - Not Sampled				Dry	NA
	6/24/2009	16	<1.0	19	130	17.35	NA
	9/10/2009	13	<1.0	14	9.0	12.23	NA
	12/21/2009	36	<1.0	24	12	19.12	NA
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	3.5	<1.0	2.8	4.4	14.61	NA
	9/30/2010	Not Found - Not Sampled				Not Found	NA
	MW08 destroyed as of 12/8/2010						
MW08R	2/22/2011	34	<1.0	260	2300	23.58	70.74
	3/25/2011	16	<1.0	190	3000	25.70	68.62
	6/23/2011	<1.0	<1.0	3.1	110	16.82	77.50
	9/26/2011	<1.0	<1.0	11	<1.0	12.57	81.75
	12/29/2011	5.4	<1.0	18	2.3	20.00	74.32
	3/20/2012	6.9	<1.0	160	1400	22.15	72.17
	6/12/2012	3.2	<1.0	140	1200	22.10	72.22
	9/25/2012	<1.0	<1.0	4.7	7.6	21.55	72.77
	12/18/2012	1.6	3.4	8.1	<1.0	26.25	68.07
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	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)
	9/23/2013	<1.0	<1.0	35	13	18.60	75.72
	12/27/2013	<4.0	<4.0	105	91.1	24.45	69.87
	3/13/2014	<4.0	<4.0	26.3	16.4	29.85	64.78
	MW08R destroyed as of 5/28/2014						
MW08R2	6/9/2014	Not Sampled				26.79	NA
	6/24/2014	2.3	<1.0	119	163	26.20	NA
	9/26/2014	1.1	<1.0	24.7	3.3	20.26	NA
	12/23/2014	1.4	<1.0	30.4	90.3	23.67	NA
	3/10/2015	<1.0	<1.0	4.8	<1.0	NM	NA
	6/22/2015	<1.0	<1.0	<1.0	<1.0	28.56	NA
	9/25/2015	<1.0	<1.0	1.4	<1.0	20.34	NA
	12/30/2015	2.9	<1.0	<1.0	<1.0	25.09	NA
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.94	NA
	6/28/2016	<1.00	<1.00	<1.00	<1.00	28.82	NA
	9/6/2016	<1.00	<1.00	<1.00	<1.00	22.74	NA
	11/11/2016	Surveyed - Not Sampled				22.74	72.01
	12/22/2016	<1.00	<1.00	<1.00	<1.00	25.24	69.50
	3/30/2017	<1.00	<1.00	<1.00	<1.00	31.70	63.04
	6/21/2017	<1.00	<1.00	<1.00	<1.00	26.99	67.75
	9/5/2017	<1.00	<1.00	<1.00	<1.00	27.68	67.06
	12/4/2017	<1.00	<1.00	<1.00	<1.00	26.32	68.42
MW09	12/17/2008	62	<1.0	34	170	NM	NA
	3/9/2009	Dry - Not Sampled				Dry	NA
	6/24/2009	3.9	<1.0	<1.0	<1.0	17.21	NA
	9/10/2009	<1.0	<1.0	<1.0	<1.0	12.41	NA
	12/21/2009	40	<1.0	15	27	18.91	NA
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	Not Found - Not Sampled				Not Found	NA
	9/30/2010	Not Found - Not Sampled				Not Found	NA
	12/8/2010	9.1	<1.0	<1.0	<1.0	16.60	NA
	3/25/2011	Insufficient Water - Not Sampled				23.10	NA
	6/23/2011	Not Found - Not Sampled				Not Found	NA
	MW09 destroyed as of 9/26/2011						
MW09R	3/20/2012	<1.0	<1.0	<1.0	<1.0	21.05	72.65
	6/12/2012	<1.0	<1.0	<1.0	<1.0	20.92	72.78
	9/25/2012	29	<1.0	<1.0	<1.0	22.40	71.30
	12/18/2012	6.8	<1.0	<1.0	<1.0	27.12	66.58
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	1.1	<1.0	<1.0	<1.0	19.00	74.70
	12/27/2013	<4.0	<4.0	<4.0	<4.0	24.20	69.50



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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)
	3/13/2014	<4.0	<4.0	<4.0	<4.0	30.06	63.92
	6/9/2014	Not Sampled				26.93	67.03
	6/24/2014	<1.0	<1.0	<1.0	<1.0	26.46	67.50
	9/26/2014	1.8	<1.0	<1.0	<1.0	20.62	73.34
	12/23/2014	8.8	<1.0	<1.0	<1.0	23.40	70.56
	3/10/2015	<1.0	<1.0	<1.0	<1.0	27.60	66.36
	6/22/2015	<1.0	<1.0	<1.0	<1.0	28.13	65.83
	9/25/2015	<1.0	<1.0	<1.0	<1.0	20.68	73.28
	12/30/2015	<1.0	<1.0	<1.0	<1.0	25.00	68.96
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.72	66.24
	6/28/2016	Not Found - Not Sampled. Not Found				NM	NA
	9/6/2016	<1.00	<1.00	<1.00	<1.00	22.41	71.55
	11/11/2016	Surveyed - Not Sampled				22.57	71.37
	12/22/2016	<1.00	<1.00	<1.00	<1.00	25.19	68.79
	3/30/2017	Insufficient Water - Not Sampled				29.42	64.56
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.74	68.24
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.39	67.59
	12/4/2017	<1.00	<1.00	<1.00	<1.00	24.82	69.16
MW10	6/24/2009	<1.0	<1.0	<1.0	4.0	17.12	NA
	9/10/2009	<1.0	<1.0	<1.0	<1.0	11.71	NA
	12/21/2009	16	<1.0	<1.0	<1.0	18.90	NA
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	22	<1.0	140	390	13.35	NA
	9/30/2010	Not Found - Not Sampled				Not Found	NA
	MW10 destroyed as of 12/8/2010						
MW10R	2/22/2011	<1.0	<1.0	33	43	23.00	69.96
	3/25/2011	<1.0	<1.0	<1.0	<1.0	25.08	67.88
	6/23/2011	<1.0	<1.0	<1.0	<1.0	16.36	76.60
	9/26/2011	<1.0	<1.0	<1.0	<1.0	9.82	83.14
	12/29/2011	<1.0	<1.0	<1.0	<1.0	19.50	73.46
	3/20/2012	<1.0	<1.0	<1.0	<1.0	22.05	70.91
	6/12/2012	<1.0	<1.0	<1.0	<1.0	21.95	71.01
	9/25/2012	<1.0	<1.0	<1.0	<1.0	20.30	72.66
	12/18/2012	<1.0	130	<1.0	<1.0	26.65	66.31
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	<1.0	<1.0	<1.0	<1.0	17.80	75.16
	12/27/2013	<4.0	<4.0	<4.0	<4.0	23.79	69.17
	3/13/2014	<4.0	<4.0	<4.0	<4.0	29.77	63.52
	6/24/2014	<1.0	<1.0	<1.0	<1.0	25.46	67.94
	9/26/2014	<1.0	<1.0	<1.0	<1.0	19.51	73.89
	12/23/2014	<1.0	<1.0	<1.0	<1.0	23.09	70.31



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)
	3/10/2015	<1.0	<1.0	<1.0	<1.0	27.08	66.32
	6/22/2015	<1.0	<1.0	<1.0	<1.0	27.25	66.15
	9/25/2015	<1.0	<1.0	<1.0	<1.0	19.67	73.73
	12/30/2015	<1.0	<1.0	<1.0	<1.0	24.50	68.90
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.27	66.13
	6/28/2016	<1.00	<1.00	<1.00	<1.00	26.80	66.60
	9/6/2016	<1.00	<1.00	<1.00	<1.00	22.04	71.36
	11/11/2016	Surveyed - Not Sampled				21.82	71.56
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.53	68.97
	3/30/2017	Insufficient Water - Not Sampled				29.38	64.12
	6/21/2017	<1.00	<1.00	<1.00	<1.00	26.29	67.21
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.99	66.51
	12/4/2017	<1.00	<1.00	<1.00	<1.00	25.51	67.99
<hr/>							
MW11	6/24/2009	8.9	<1.0	15	200	17.02	NA
	9/10/2009	<1.0	<1.0	<1.0	<1.0	12.21	NA
	12/21/2009	1.4	<1.0	1.6	<1.0	18.62	NA
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	<1.0	<1.0	<1.0	<1.0	13.73	NA
	9/30/2010	Not Found - Not Sampled				Not Found	NA
	MW11 destroyed as of 12/8/2010						
<hr/>							
MW11R	2/22/2011	110	<1.0	190	1600	22.74	69.68
	3/25/2011	94	1.1	120	1200	25.01	67.41
	6/23/2011	1.4	<1.0	2.1	20	16.62	75.80
	9/26/2011	<1.0	<1.0	<1.0	<1.0	11.22	81.20
	12/29/2011	1.2	1.1	<1.0	<1.0	19.35	73.07
	3/20/2012	23	<1.0	19	6.2	21.30	71.12
	6/12/2012	26	<1.0	14	11	21.26	71.16
	9/25/2012	110	<1.0	73	93	25.10	67.32
	12/18/2012	120	<1.0	140	190	27.05	65.37
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	Dry - Not Sampled				Dry	NA
	12/27/2013	50.7	<4.0	106	56.0	23.91	68.51
	3/13/2014	44.5	<4.0	195	145	30.28	62.43
	6/24/2014	81.7	<4.0	293	210	26.01	66.69
	9/26/2014	97.9	<2.0	106	46.0	20.04	72.66
	12/31/2014	108	<1.0	167	24.8	23.02	69.68
	3/10/2015	158	<1.0	158	11.2	27.34	65.36
	6/22/2015	110	<4.0	17.5	<4.0	27.62	65.08
	9/25/2015	127	<1.0	33.7	<1.0	20.24	72.46
	12/30/2015	200	1.1	88.1	4.9	24.51	68.19
	3/30/2016	7.6	<4.0	<4.0	<4.0	27.40	65.30



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)
	6/28/2016	<4.00	<4.00	<4.00	<4.00	26.30	66.40
	9/6/2016	<1.00	<1.00	<1.00	<1.00	22.03	70.67
	11/11/2016	Surveyed - Not Sampled				22.03	70.74
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.69	68.07
	3/30/2017	Dry - Not Sampled				Dry	NA
	6/21/2017	<1.00	<1.00	<1.00	<1.00	26.00	66.76
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.71	66.05
	12/4/2017	<1.00	<1.00	<1.00	<1.00	25.14	67.62
MW12	6/24/2009	<1.0	<1.0	<1.0	<1.0	16.31	NA
	9/10/2009	<1.0	<1.0	<1.0	<1.0	11.62	NA
	12/21/2009	<1.0	<1.0	<1.0	<1.0	18.54	NA
	3/8/2010	Dry - Not Sampled				Dry	NA
	6/30/2010	<1.0	<1.0	<1.0	<1.0	13.85	NA
	9/30/2010	Not Found - Not Sampled				Not Found	NA
	MW12 destroyed as of 12/8/2010						
MW12R	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	2.1	<1.0	<1.0	<1.0	19.20	73.14
	12/27/2013	<4.0	<4.0	<4.0	<4.0	24.25	68.09
	3/13/2014	<4.0	<4.0	<4.0	<4.0	29.15	63.29
	6/24/2014	<1.0	<1.0	<1.0	<1.0	26.31	66.15
	9/26/2014	<1.0	<1.0	<1.0	<1.0	20.71	71.75
	12/31/2014	<1.0	<1.0	<1.0	<1.0	23.43	69.03
	3/10/2015	<1.0	<1.0	<1.0	<1.0	27.47	64.99
	6/22/2015	<1.0	<1.0	<1.0	<1.0	27.64	64.82
	9/25/2015	<1.0	<1.0	<1.0	<1.0	21.69	70.77
	12/30/2015	<1.0	<1.0	<1.0	<1.0	25.06	67.40
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.52	64.94
	6/28/2016	<1.00	<1.00	<1.00	<1.00	25.23	67.23
	9/6/2016	<1.00	<1.00	<1.00	<1.00	22.02	70.44
	11/11/2016	Surveyed - Not Sampled				21.45	71.14
	12/22/2016	Dry - Not Sampled				Dry	NA
	MW12R abandoned on 1/30/2017						
MW12R2	1/31/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	3/30/2017	<1.00	<1.00	<1.00	<1.00	29.92	62.70
	6/21/2017	<1.00	<1.00	<1.00	<1.00	24.50	68.12
	9/5/2017	<1.00	<1.00	<1.00	<1.00	25.21	67.41
	12/4/2017	<1.00	<1.00	<1.00	<1.00	24.65	67.97
MW13	2/22/2011	<1.0	<1.0	<1.0	<1.0	23.38	68.76
	3/25/2011	<1.0	<1.0	<1.0	<1.0	24.90	67.24



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)
	6/23/2011	<1.0	<1.0	<1.0	<1.0	10.56	81.58
	9/27/2011	<1.0	<1.0	<1.0	<1.0	NM	NA
	12/29/2011	<1.0	<1.0	<1.0	<1.0	19.45	72.69
	3/20/2012	<1.0	<1.0	<1.0	<1.0	22.25	69.89
	6/12/2012	<1.0	<1.0	<1.0	<1.0	21.95	70.19
	9/25/2012	<1.0	1.5	<1.0	<1.0	18.20	73.94
	12/18/2012	<1.0	<1.0	<1.0	<1.0	26.49	65.65
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Dry - Not Sampled				Dry	NA
	9/23/2013	<1.0	<1.0	<1.0	<1.0	17.78	74.36
	12/27/2013	<1.0	<1.0	<1.0	<1.0	23.70	68.44
	3/13/2014	<4.0	<4.0	<4.0	<4.0	30.04	62.46
	6/24/2014	<1.0	<1.0	<1.0	<1.0	25.40	67.14
	9/26/2014	<1.0	<1.0	<1.0	<1.0	19.53	73.01
	12/23/2014	<1.0	<1.0	<1.0	<1.0	22.90	69.64
	3/10/2015	<1.0	<1.0	<1.0	<1.0	26.87	65.67
	6/22/2015	<1.0	<1.0	<1.0	<1.0	26.85	65.69
	9/25/2015	<1.0	<1.0	<1.0	<1.0	19.69	72.85
	12/30/2015	<1.0	<1.0	<1.0	<1.0	24.37	68.17
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.16	65.38
	6/28/2016	<1.00	<1.00	<1.00	<1.00	26.88	65.66
	9/6/2016	<1.00	<1.00	<1.00	<1.00	21.83	70.71
	11/11/2016	Surveyed - Not Sampled				21.75	70.82
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.31	68.23
	3/30/2017	Insufficient Water - Not Sampled				29.40	63.14
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.80	66.74
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.33	66.21
	12/4/2017	<1.00	<1.00	<1.00	<1.00	24.91	67.63
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MW14	2/22/2011	69	<1.0	190	1000	22.53	68.51
	3/25/2011	31	<1.0	130	510	24.72	66.32
	6/23/2011	<1.0	<1.0	2.3	2.4	16.75	74.29
	9/27/2011	<1.0	<1.0	<1.0	<1.0	NM	NA
	12/29/2011	<1.0	<1.0	<1.0	<1.0	19.50	71.54
	3/20/2012	28	<1.0	120	4.8	20.50	70.54
	6/12/2012	1.4	<1.0	8.3	<1.0	20.27	70.77
	9/25/2012	<1.0	<1.0	<1.0	<1.0	21.30	69.74
	12/18/2012	6.0	15	<1.0	<1.0	26.67	64.37
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Insufficient Water - Not Sampled				Dry	NA
	9/23/2013	<1.0	<1.0	1.2	<1.0	18.35	72.69
	12/27/2013	<4.0	<4.0	<4.0	<4.0	23.58	67.46
	3/13/2014	<4.0	<4.0	<4.0	<4.0	29.83	61.54
	6/24/2014	34.5	<1.0	<1.0	<1.0	25.77	65.71



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)
	9/26/2014	14.1	<1.0	<1.0	<1.0	19.78	71.70
	12/23/2014	42.7	<1.0	2.3	<1.0	23.05	68.43
	3/10/2015	13.2	<1.0	<1.0	<1.0	27.27	64.21
	6/22/2015	1.0	<1.0	<1.0	<1.0	27.41	64.07
	9/25/2015	37.0	<1.0	<1.0	<1.0	20.07	71.41
	12/30/2015	14.8	<1.0	<1.0	<1.0	24.37	67.11
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.51	63.97
	6/28/2016	<1.00	<1.00	<1.00	<1.00	26.54	64.94
	9/6/2016	<1.00	<1.00	<1.00	<1.00	21.94	69.54
	11/11/2016	Surveyed - Not Sampled				21.70	69.75
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.52	66.98
	3/30/2017	Dry - Not Sampled				Dry	NA
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.89	65.61
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.54	64.96
	12/4/2017	<1.00	<1.00	<1.00	<1.00	25.17	66.33
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MW15	6/23/2011	<1.0	<1.0	<1.0	<1.0	17.98	72.22
	9/26/2011	<1.0	<1.0	<1.0	<1.0	0.85	89.35
	12/29/2011	40	<1.0	88	<1.0	19.71	70.49
	3/20/2012	<1.0	<1.0	<1.0	<1.0	21.72	68.48
	6/12/2012	<1.0	<1.0	<1.0	<1.0	21.41	68.79
	9/25/2012	<1.0	<1.0	<1.0	<1.0	25.05	65.15
	12/18/2012	<1.0	<1.0	<1.0	<1.0	27.46	62.74
	3/14/2013	Dry - Not Sampled				Dry	NA
	6/26/2013	Insufficient Water - Not Sampled				Dry	NA
	9/23/2013	<1.0	<1.0	<1.0	<1.0	18.59	71.61
	12/27/2013	<4.0	<4.0	<4.0	<4.0	24.14	66.06
	3/13/2014	<4.0	<4.0	<4.0	<4.0	29.10	61.39
	6/24/2014	<1.0	<1.0	<1.0	<1.0	25.56	64.92
	9/26/2014	<1.0	<1.0	<1.0	<1.0	19.44	71.04
	12/23/2014	<1.0	<1.0	<1.0	<1.0	22.33	68.15
	3/10/2015	<1.0	<1.0	<1.0	<1.0	27.94	62.54
	6/22/2015	<1.0	<1.0	<1.0	<1.0	27.81	62.67
	9/25/2015	<1.0	<1.0	<1.0	<1.0	20.43	70.05
	12/30/2015	<1.0	<1.0	<1.0	<1.0	24.78	65.70
	3/30/2016	<1.0	<1.0	<1.0	<1.0	28.09	62.39
	6/28/2016	<1.00	<1.00	<1.00	<1.00	27.43	63.05
	9/6/2016	<1.00	<1.00	<1.00	<1.00	22.09	68.39
	11/11/2016	Surveyed - Not Sampled				21.83	68.75
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.50	66.04
	3/30/2017	Insufficient Water - Not Sampled				28.88	61.66
	6/21/2017	<1.00	<1.00	<1.00	<1.00	26.06	64.48
	9/5/2017	<1.00	<1.00	<1.00	<1.00	25.74	64.80
	12/4/2017	<1.00	<1.00	<1.00	<1.00	23.78	66.76



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)	
MW16	6/23/2011	2.8	<1.0	46	<1.0	17.54	71.30	
	9/26/2011	<1.0	<1.0	<1.0	<1.0	1.25	87.59	
	12/29/2011	1.8	<1.0	4.5	<1.0	18.85	69.99	
	3/20/2012	29	<1.0	87	<1.0	19.75	69.09	
	6/12/2012	1.5	<1.0	12	<1.0	19.70	69.14	
	9/25/2012	<1.0	<1.0	<1.0	<1.0	25.40	63.44	
	12/18/2012	2.4	<1.0	<1.0	<1.0	26.78	62.06	
	3/14/2013	Dry - Not Sampled					Dry	NA
	6/26/2013	Insufficient Water - Not Sampled					Dry	NA
	9/23/2013	4.8	<1.0	<1.0	<1.0	19.00	69.84	
	12/27/2013	<4.0	<4.0	<4.0	<4.0	24.05	64.79	
	3/28/2014	4.0	<4.0	<4.0	<4.0	NM	NA	
	6/24/2014	<1.0	<1.0	<1.0	<1.0	25.83	63.29	
	9/26/2014	<1.0	<1.0	<1.0	<1.0	19.83	69.29	
	12/23/2014	<1.0	<1.0	<1.0	<1.0	23.16	65.96	
	3/10/2015	10.0	<1.0	<1.0	<1.0	27.19	61.93	
	6/22/2015	6.2	<1.0	<1.0	<1.0	27.05	62.07	
	9/25/2015	<1.0	<1.0	<1.0	<1.0	20.28	68.84	
	12/30/2015	4.7	<1.0	<1.0	<1.0	24.33	64.79	
	3/30/2016	14.0	<1.0	<1.0	<1.0	27.38	61.74	
	6/28/2016	9.43	<1.00	<1.00	<1.00	26.16	62.96	
	9/6/2016	3.53	<1.00	<1.00	<1.00	21.71	67.41	
	11/11/2016	Surveyed - Not Sampled					11.40	77.75
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.57	64.45	
	3/30/2017	Dry - Not Sampled					Dry	NA
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.40	63.62	
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.18	62.84	
12/4/2017	<1.00	<1.00	<1.00	<1.00	24.74	64.28		
MW17	6/23/2011	<1.0	<1.0	<1.0	<1.0	16.70	73.32	
	9/26/2011	3.1	<1.0	10	<1.0	10.95	79.07	
	12/29/2011	1.8	<1.0	3.7	<1.0	NM	NA	
	3/20/2012	2.7	<1.0	5.8	<1.0	21.15	68.87	
	6/12/2012	4.6	<1.0	3.2	<1.0	20.95	69.07	
	9/25/2012	1.7	<1.0	3.1	<1.0	25.60	64.42	
	12/18/2012	1.8	<1.0	2.7	<1.0	26.55	63.47	
	3/14/2013	Dry - Not Sampled					Dry	NA
	6/26/2013	Insufficient Water - Not Sampled					Dry	NA
	9/23/2013	<1.0	<1.0	<1.0	<1.0	18.55	71.47	
	12/27/2013	11.2	<4.0	<4.0	<4.0	23.44	66.58	
	3/13/2014	7.4	<4.0	<4.0	<4.0	30.09	60.25	
	6/24/2014	3.0	<1.0	<1.0	<1.0	25.54	64.84	
	9/26/2014	39.4	<1.0	<1.0	<1.0	20.32	70.06	



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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)
	12/23/2014	21.2	<1.0	<1.0	<1.0	22.73	67.65
	3/10/2015	9.2	<1.0	1.7	<1.0	26.82	63.56
	6/22/2015	2.0	<1.0	<1.0	<1.0	26.98	63.40
	9/25/2015	16.3	<1.0	<1.0	<1.0	20.13	70.25
	12/30/2015	21.0	<1.0	<1.0	<1.0	24.25	66.13
	3/30/2016	5.3	<1.0	<1.0	<1.0	27.16	63.22
	6/28/2016	<1.00	<1.00	<1.00	<1.00	25.38	65.00
	9/6/2016	<1.00	<1.00	<1.00	<1.00	21.69	68.69
	11/11/2016	Surveyed - Not Sampled				21.63	68.72
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.11	66.27
	3/30/2017	Insufficient Water - Not Sampled				29.32	61.06
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.18	65.20
	9/5/2017	<1.00	<1.00	<1.00	<1.00	25.94	64.44
	12/4/2017	<1.00	<1.00	<1.00	<1.00	24.41	65.97
<hr/>							
MW18	6/24/2014	<1.0	<1.0	<1.0	<1.0	25.70	NA
	9/26/2014	30.8	<1.0	<1.0	<1.0	19.48	NA
	12/23/2014	24.2	<1.0	<1.0	<1.0	22.00	NA
	3/10/2015	6.2	<1.0	<1.0	<1.0	26.29	NA
	6/22/2015	<1.0	<1.0	<1.0	<1.0	26.33	NA
	9/25/2015	2.2	<1.0	<1.0	<1.0	19.40	NA
	12/30/2015	63.2	<1.0	<1.0	<1.0	23.51	NA
	3/30/2016	2.0	<1.0	<1.0	<1.0	26.83	NA
	6/28/2016	<1.00	<1.00	<1.00	<1.00	24.23	NA
	9/6/2016	<1.00	<1.00	<1.00	<1.00	20.74	NA
	11/11/2016	Surveyed - Not Sampled				20.87	67.78
	12/22/2016	<1.00	<1.00	<1.00	<1.00	23.70	65.15
	3/30/2017	Insufficient Water - Not Sampled				28.71	60.14
	6/21/2017	<1.00	<1.00	<1.00	<1.00	24.45	64.40
	9/5/2017	<1.00	<1.00	<1.00	<1.00	25.27	63.58
	12/4/2017	<1.00	<1.00	<1.00	<1.00	23.66	65.19
<hr/>							
MW19	10/23/2015	<1.0	<1.0	<1.0	<1.0	20.18	NA
	12/30/2015	<1.0	<1.0	<1.0	<1.0	23.09	NA
	3/30/2016	<1.0	<1.0	<1.0	<1.0	25.92	NA
	6/28/2016	<4.00	<4.00	<4.00	<4.00	23.35	NA
	9/6/2016	<1.00	<1.00	<1.00	<1.00	20.33	NA
	11/11/2016	Surveyed - Not Sampled				20.35	66.84
	12/22/2016	<1.00	<1.00	<1.00	<1.00	22.33	64.44
	3/30/2017	<1.00	<1.00	<1.00	<1.00	27.44	59.33
	6/21/2017	<1.00	<1.00	<1.00	<1.00	23.08	63.69
	9/5/2017	<1.00	<1.00	<1.00	<1.00	23.58	63.19
	12/4/2017	<1.00	<1.00	<1.00	<1.00	22.08	64.69



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
ANDERSON 12-27/ BOHLENDER 1-27
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	10/23/2015	37.5	<1.0	9.1	<1.0	21.29	NA
	12/30/2015	70.7	<1.0	6.1	<1.0	24.02	NA
	3/30/2016	61.8	<1.0	3.0	<1.0	26.96	NA
	6/28/2016	11.3	<1.00	2.27	<1.00	25.62	NA
	9/6/2016	<1.00	<1.00	<1.00	<1.00	21.38	NA
	11/11/2016	Surveyed - Not Sampled				21.10	66.64
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.20	63.67
	3/30/2017	Insufficient Water - Not Sampled				29.17	58.70
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.07	62.80
	9/5/2017	<1.00	<1.00	<1.00	<1.00	25.46	62.41
12/4/2017	<1.00	<1.00	<1.00	<1.00	23.96	63.91	
MW21	10/23/2015	<1.0	<1.0	<1.0	<1.0	21.84	NA
	12/30/2015	<1.0	<1.0	<1.0	<1.0	24.81	NA
	3/30/2016	<1.0	<1.0	<1.0	<1.0	27.70	NA
	6/28/2016	<1.00	<1.00	<1.00	<1.00	26.54	NA
	9/6/2016	<1.00	<1.00	<1.00	<1.00	21.95	NA
	11/11/2016	Surveyed - Not Sampled				22.01	66.37
	12/22/2016	<1.00	<1.00	<1.00	<1.00	24.62	63.74
	3/30/2017	Insufficient Water - Not Sampled				29.60	58.76
	6/21/2017	<1.00	<1.00	<1.00	<1.00	25.67	62.69
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.41	61.95
12/4/2017	<1.00	<1.00	<1.00	<1.00	23.83	64.53	
MW22	10/25/2016	<1.00	<1.00	<1.00	<1.00	19.25	NA
	11/11/2016	Surveyed - Not Sampled				20.86	65.42
	12/22/2016	<1.00	<1.00	<1.00	<1.00	23.36	62.89
	3/30/2017	Insufficient Water - Not Sampled				28.54	57.71
	6/21/2017	<1.00	<1.00	<1.00	<1.00	24.72	61.53
	9/5/2017	<1.00	<1.00	<1.00	<1.00	26.57	59.68
	12/4/2017	<1.00	<1.00	<1.00	<1.00	22.97	63.28
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

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



April 05, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Anderson 12-27/Bohlender 1-27 **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. March 30, 2017. This project is associated with Origins project number Y703423-01.

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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW05R2	Y703423-01	Water	March 30, 2017 10:00	03/30/2017 15:18
MW08R2	Y703423-02	Water	March 30, 2017 12:00	03/30/2017 15:18
MW12R2	Y703423-03	Water	March 30, 2017 12:19	03/30/2017 15:18
MW19	Y703423-04	Water	March 30, 2017 13:15	03/30/2017 15:18

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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
LABORATORY, INC

112

7103473

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

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
 Project: KMG - Anderson 12-27/Bohlender 1-27 Project Number: KMG05162/WO #88438530

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW03R	Water	3/29/17			40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
02-001	MW05R	Water		1000	FO	40mL Amber VOA Vial - HC	1	BTEX by EPA 8260C
03-001	MW08R	Water		1200	FO	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW09R	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
05-001	MW10R	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
06-001	MW11R	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
07-001	MW12R	Water		1219	FO	40mL Amber VOA Vial - HC	1	BTEX by EPA 8260C
08-001	MW13	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
09-001	MW14	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
10-001	MW15	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C
11-001	MW16	Water				40mL Amber VOA Vial - HC	10	BTEX by EPA 8260C

Requisitioned By: *[Signature]* Date / Time: 3/30/17 1516
 Received By: *[Signature]* Date / Time: 3-30-17 1516

Temperature on Receipt: 4.7
 Turn Around Time: Same Day 72-hr Standard 24-hr 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

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

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
 LABORATORY, INC
 1725 Elk Place, Denver, CO 80211
 Laboratory # - 303.433.1322
 7103423

12-001	MW17	Water			40mL Amber VOA Vial - HC	80	BTEX by EPA 8260C
13-001	MW18	Water			40mL Amber VOA Vial - HC	80	BTEX by EPA 8260C
14-001	MW19	Water	3/30/17	1315	40mL Amber VOA Vial - HC	1	BTEX by EPA 8260C
15-001	MW20	Water			40mL Amber VOA Vial - HC	80	BTEX by EPA 8260C
16-001	MW21	Water			40mL Amber VOA Vial - HC	80	BTEX by EPA 8260C
17-001	MW22	Water			40mL Amber VOA Vial - HC	80	BTEX by EPA 8260C

Requisitioned By: [Signature] Date / Time: 3-30-17 1510
 Received By: [Signature] Date / Time: 3-30-17 1510
 Requisitioned By: _____ Date / Time: _____
 Received By: _____ Date / Time: _____
 Temperature on Receipt: 4.7
 Turn Around Time: Same Day 72-hr Standard 24-hr 48-hr

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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y703423

Client: LTE

Client Project ID: KMG - Anderson 12/12-27/ Bohlender 1-27

Checklist Completed by: D. Lee

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

Date/time completed: 3-30-17 1723

Airbill #: NA

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

Cooler Number/Temperature: 1 / 4.7 °C 1 / _____ °C 1 / _____ °C 1 / _____ °C

Thermometer ID: T1003

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 type="checkbox"/>	<input type="checkbox"/>	<u>1 of 1 used MW-19</u>
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: 3/31/17

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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2
3/30/2017 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y703423-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D0308	04/03/2017	04/04/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	3.70	1.00	"	"	"	"	"	
Xylenes, total	127	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	84-121			"	"	"	
Surrogate: Toluene-d8	107 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2
3/30/2017 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y703423-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D0308	04/03/2017	04/04/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW12R2
3/30/2017 12:19:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y703423-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D0308	04/03/2017	04/04/2017	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	99.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW19
3/30/2017 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y703423-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D0308	04/03/2017	04/04/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	99.9 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7D0308 - EPA 5030B (Water)

Blank (B7D0308-BLK1)

Prepared: 04/03/2017 Analyzed: 04/03/2017

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	94.8		84-121			
Surrogate: Toluene-d8	60		"	62.5	96.0		85-115			
Surrogate: 4-Bromofluorobenzene	58		"	62.5	92.7		84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7D0308 - EPA 5030B (Water)

LCS (B7D0308-BS1)

Prepared: 04/03/2017 Analyzed: 04/03/2017

Benzene	48.1	1.00	ug/L	50.0		96.3	73.3-129			
Toluene	50.2	1.00	"	50.0		100	76.2-123			
Ethylbenzene	52.1	1.00	"	50.0		104	73.6-130			
m,p-Xylene	103	2.00	"	100		103	76.1-126			
o-Xylene	49.4	1.00	"	50.0		98.7	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		86.3	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.5	85-115			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.8	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7D0308 - EPA 5030B (Water)

Matrix Spike (B7D0308-MS1)	Source: Y703437-01			Prepared: 04/03/2017 Analyzed: 04/03/2017						
Benzene	48.4	1.00	ug/L	50.0	ND	96.7	74-130			
Toluene	50.8	1.00	"	50.0	ND	102	73-131			
Ethylbenzene	52.0	1.00	"	50.0	ND	104	76-132			
m,p-Xylene	102	2.00	"	100	ND	102	69-139			
o-Xylene	49.1	1.00	"	50.0	ND	98.1	74-131			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		87.2	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.2	85-115			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		90.9	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7D0308 - EPA 5030B (Water)

Matrix Spike Dup (B7D0308-MSD1)	Source: Y703437-01			Prepared: 04/03/2017 Analyzed: 04/03/2017						
Benzene	47.8	1.00	ug/L	50.0	ND	95.7	74-130	1.06	20	
Toluene	49.9	1.00	"	50.0	ND	99.8	73-131	1.77	20	
Ethylbenzene	51.0	1.00	"	50.0	ND	102	76-132	1.84	20	
m,p-Xylene	102	2.00	"	100	ND	102	69-139	0.676	20	
o-Xylene	48.4	1.00	"	50.0	ND	96.9	74-131	1.27	20	
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.5	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.2	85-115			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.9	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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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.



June 28, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Anderson 12-27/Bohlender 1-27 **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. June 21, 2017. This project is associated with Origins project number Y706283-01.

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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW05R2	Y706283-01	Water	June 21, 2017 10:05	06/21/2017 15:13
MW08R2	Y706283-02	Water	June 21, 2017 10:10	06/21/2017 15:13
MW09R	Y706283-03	Water	June 21, 2017 10:15	06/21/2017 15:13
MW10R	Y706283-04	Water	June 21, 2017 10:20	06/21/2017 15:13
MW11R	Y706283-05	Water	June 21, 2017 10:25	06/21/2017 15:13
MW12R2	Y706283-06	Water	June 21, 2017 10:30	06/21/2017 15:13
MW13	Y706283-07	Water	June 21, 2017 10:35	06/21/2017 15:13
MW14	Y706283-08	Water	June 21, 2017 10:40	06/21/2017 15:13
MW15	Y706283-09	Water	June 21, 2017 10:45	06/21/2017 15:13
MW16	Y706283-10	Water	June 21, 2017 10:50	06/21/2017 15:13
MW17	Y706283-11	Water	June 21, 2017 10:55	06/21/2017 15:13
MW18	Y706283-12	Water	June 21, 2017 11:00	06/21/2017 15:13
MW19	Y706283-13	Water	June 21, 2017 11:05	06/21/2017 15:13
MW20	Y706283-14	Water	June 21, 2017 11:10	06/21/2017 15:13

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW21	Y706283-15	Water	June 21, 2017 11:15	06/21/2017 15:13
MW22	Y706283-16	Water	June 21, 2017 11:20	06/21/2017 15:13

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

1706283
1/2

ORIGINS
LABORATORY, INC

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

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
 Project: KMG - Anderson 12-27/Bohlender 1-27 Project Number: KMG05162/WO #88438530

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW001A Dry	Water	✓	✓	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW05R2	Water	6/21/17	1005	CT	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW06R2	Water	✓	1010	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW09R	Water	✓	1015	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	MW10R	Water	✓	1020	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW11R	Water	✓	1025	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
07-001	MW12R2	Water	✓	1030	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
08-001	MW13	Water	✓	1035	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
09-001	MW14	Water	✓	1040	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
10-001	MW15	Water	✓	1045	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
11-001	MW16	Water	✓	1050	✓	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: *CL* Date / Time: 6/21/17 15:13
 Relinquished By: _____ Date / Time: _____
 Received By: _____ Date / Time: _____
 Received By: _____ Date / Time: _____

Temperature on Receipt: 31.2
 Turn Around Time: 72-hr Standard
 24-hr 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

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

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
 LABORATORY, INC
 1725 Elk Place, Denver, CO 80211
 Laboratory # - 303.433.1322
 7705283
 2/2

12-001	MM17	Water	6/21/17	1055	CT	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
13-001	MM18	Water		1100		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
14-001	MM19	Water		1105		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
15-001	MM20	Water		1110		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
16-001	MM21	Water		1115		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
17-001	MM22	Water		1120		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 6/21/17 1513
 Received By: [Signature] Date / Time: 6-21-17 1513
 Temperature on Receipt: 31.2
 Turn Around Time: 24-hr 48-hr Standard
 Same Day: 72-hr Standard

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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y706293

Client: LTG

Client Project ID: KMG Anderson (12-27) Bohlender 1-2

Checklist Completed by: DLG
 Date/time completed: 6-21-17 1532

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

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

Cooler Number/Temperature: 36.2 °C °C °C °C (Describe)

Thermometer ID: TW3

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 (Project Manager) [Signature]

Date/Time Reviewed 6/22/17

Origins Laboratory, Inc.

[Signature: Jen Pellegrini]

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2
6/21/2017 10:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	9.02	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2
6/21/2017 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW09R
6/21/2017 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	97.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW10R
6/21/2017 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW11R
6/21/2017 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.6 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW12R2
6/21/2017 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	98.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW13
6/21/2017 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW14
6/21/2017 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	99.6 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW15
6/21/2017 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	97.8 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW16
6/21/2017 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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LT Environmental, Inc.
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Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW17
6/21/2017 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW18
6/21/2017 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW19
6/21/2017 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-13 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW20
6/21/2017 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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LT Environmental, Inc.
 4600 West 60th Avenue
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Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW21
6/21/2017 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-15 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW22
6/21/2017 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706283-16 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7F2207	06/22/2017	06/23/2017	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	99.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

Blank (B7F2207-BLK1)

Prepared: 06/22/2017 Analyzed: 06/22/2017

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	65		"	62.5		103	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	84-114			

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

Blank (B7F2207-BLK2)

Prepared: 06/22/2017 Analyzed: 06/22/2017

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	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

LCS (B7F2207-BS1)

Prepared: 06/22/2017 Analyzed: 06/22/2017

Benzene	43.9	1.00	ug/L	50.0		87.7	73.3-129			
Toluene	43.5	1.00	"	50.0		87.1	76.2-123			
Ethylbenzene	43.2	1.00	"	50.0		86.5	73.6-130			
m,p-Xylene	85.8	2.00	"	100		85.8	76.1-126			
o-Xylene	41.6	1.00	"	50.0		83.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.2	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

LCS (B7F2207-BS2)

Prepared: 06/22/2017 Analyzed: 06/22/2017

Benzene	51.7	1.00	ug/L	50.0		103	73.3-129			
Toluene	52.8	1.00	"	50.0		106	76.2-123			
Ethylbenzene	54.2	1.00	"	50.0		108	73.6-130			
m,p-Xylene	108	2.00	"	100		108	76.1-126			
o-Xylene	51.7	1.00	"	50.0		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.3	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.9	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

Matrix Spike (B7F2207-MS1)	Source: Y706277-01			Prepared: 06/22/2017 Analyzed: 06/22/2017						
Benzene	52.5	1.00	ug/L	50.0	0.490	104	74-130			
Toluene	52.8	1.00	"	50.0	ND	106	73-131			
Ethylbenzene	55.2	1.00	"	50.0	ND	110	76-132			
m,p-Xylene	106	2.00	"	100	ND	106	69-139			
o-Xylene	50.5	1.00	"	50.0	ND	101	74-131			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.8	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.7	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	84-114			

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Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

Matrix Spike (B7F2207-MS2)	Source: Y706279-04			Prepared: 06/22/2017 Analyzed: 06/22/2017						
Benzene	47.3	1.00	ug/L	50.0	ND	94.6	74-130			
Toluene	48.2	1.00	"	50.0	ND	96.4	73-131			
Ethylbenzene	48.6	1.00	"	50.0	ND	97.2	76-132			
m,p-Xylene	98.3	2.00	"	100	ND	98.3	69-139			
o-Xylene	49.3	1.00	"	50.0	ND	98.6	74-131			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		90.0	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.2	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

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Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

Matrix Spike Dup (B7F2207-MSD1)	Source: Y706277-01			Prepared: 06/22/2017 Analyzed: 06/22/2017						
Benzene	55.4	1.00	ug/L	50.0	0.490	110	74-130	5.45	20	
Toluene	55.0	1.00	"	50.0	ND	110	73-131	4.23	20	
Ethylbenzene	56.8	1.00	"	50.0	ND	114	76-132	2.82	20	
m,p-Xylene	109	2.00	"	100	ND	109	69-139	3.15	20	
o-Xylene	52.3	1.00	"	50.0	ND	105	74-131	3.56	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		90.4	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	84-114			

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Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7F2207 - EPA 5030B (Water)

Matrix Spike Dup (B7F2207-MSD2)	Source: Y706279-04			Prepared: 06/22/2017 Analyzed: 06/22/2017						
Benzene	54.7	1.00	ug/L	50.0	ND	109	74-130	14.5	20	
Toluene	56.1	1.00	"	50.0	ND	112	73-131	15.2	20	
Ethylbenzene	58.9	1.00	"	50.0	ND	118	76-132	19.2	20	
m,p-Xylene	117	2.00	"	100	ND	117	69-139	17.0	20	
o-Xylene	56.1	1.00	"	50.0	ND	112	74-131	12.9	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.4	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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September 12, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Anderson 12-27/Bohlender 1-27 **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. September 05, 2017. This project is associated with Origins project number Y709042-01.

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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW05R2	Y709042-01	Water	September 5, 2017 13:30	09/05/2017 17:20
MW08R2	Y709042-02	Water	September 5, 2017 13:35	09/05/2017 17:20
MW09R	Y709042-03	Water	September 5, 2017 13:40	09/05/2017 17:20
MW10R	Y709042-04	Water	September 5, 2017 13:45	09/05/2017 17:20
MW11R	Y709042-05	Water	September 5, 2017 13:50	09/05/2017 17:20
MW12R2	Y709042-06	Water	September 5, 2017 13:55	09/05/2017 17:20
MW13	Y709042-07	Water	September 5, 2017 14:00	09/05/2017 17:20
MW14	Y709042-08	Water	September 5, 2017 14:05	09/05/2017 17:20
MW15	Y709042-09	Water	September 5, 2017 14:10	09/05/2017 17:20
MW16	Y709042-10	Water	September 5, 2017 14:15	09/05/2017 17:20
MW17	Y709042-11	Water	September 5, 2017 14:20	09/05/2017 17:20
MW18	Y709042-12	Water	September 5, 2017 14:25	09/05/2017 17:20
MW19	Y709042-13	Water	September 5, 2017 14:30	09/05/2017 17:20
MW20	Y709042-14	Water	September 5, 2017 14:35	09/05/2017 17:20

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW21	Y709042-15	Water	September 5, 2017 14:40	09/05/2017 17:20
MW22	Y709042-16	Water	September 5, 2017 14:45	09/05/2017 17:20

Origins Laboratory, Inc.



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 4600 West 60th Avenue
 Arvada CO 80003

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
 LABORATORY, INC

7109042

1/2

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

Client:	LT Environmental, Inc.	Project Manager:	Brian Sulzberger				
Project:	KMG - Anderson 12-27/Bohlender 1-27	Project Number:	KMG05162/WO #88438530				
Number	Sample Identification	Matrix	Sample Date	Sample Time	Container	Qty	Analyses
01-001	MW03R	Water	9/5/17		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW05R2	Water		1330	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW08R2	Water		1335	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW09R	Water		1340	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	MW10R	Water		1345	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW11R	Water		1350	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
07-001	MW12R2	Water		1355	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
08-001	MW13	Water		1400	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
09-001	MW14	Water		1405	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
10-001	MW15	Water		1410	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
11-001	MW16	Water		1415	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Temperature on Receipt: 15.1
 Turn Around Time:
 Same Day: 72-hr:
 24-hr: Standard:
 48-hr:

Relinquished By: _____ Date / Time: _____

Received By: _____ Date / Time: _____

Relinquished By: *[Signature]* 9/5/17 1710
 Date / Time: 9-5-17 1720

Received By: _____ Date / Time: _____

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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
 LABORATORY, INC

712
 709042

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

12-001	MW17	Water	9/5/17	1430	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
13-001	MW18	Water		1425	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
14-001	MW19	Water		1430	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
15-001	MW20	Water		1435	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
16-001	MW21	Water		1440	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
17-001	MW22	Water	✓	1445	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Temperature on Receipt: 15.1
 Turn Around Time: 72-hr Standard 48-hr

Relinquished By: [Signature] Date / Time: 9/5/17 1700
 Received By: [Signature] Date / Time: 9-5-17 1720

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4709042

Client: LTE

Client Project ID: KMG-Anderson/Bohlender

Checklist Completed by: D. Kelly

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

Date/time completed: 9-6-17 1059

Airbill #: NA

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

Cooler Number/Temperature: 1 / 15.1 °C / _____ °C / _____ °C / _____ °C

Thermometer ID: TOB3

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"/>			3 of 3 vials nu-19b
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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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 (Project Manager) [Signature]

Date/Time Reviewed 9-6-17 1059

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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2
 9/5/2017 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y709042-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	97.1 %	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2
9/5/2017 1:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW09R
9/5/2017 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW10R
9/5/2017 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	98.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW11R
9/5/2017 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	99.6 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW12R2
 9/5/2017 1:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y709042-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW13
9/5/2017 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	97.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW14
9/5/2017 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	98.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.9 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW15
9/5/2017 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	99.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW16
9/5/2017 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	99.3 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW17
9/5/2017 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW18
 9/5/2017 2:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y709042-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	98.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW19
9/5/2017 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-13 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	100 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW20
 9/5/2017 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y709042-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	96.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.5 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW21
9/5/2017 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-15 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	98.0 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW22
9/5/2017 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y709042-16 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B710802	09/08/2017	09/09/2017	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	99.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %	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: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

Blank (B710802-BLK1)

Prepared: 09/08/2017 Analyzed: 09/08/2017

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	62		"	62.5		99.8	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

Blank (B710802-BLK2)

Prepared: 09/08/2017 Analyzed: 09/08/2017

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	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	61		"	62.5	97.9		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	98.6		84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

LCS (B710802-BS1)

Prepared: 09/08/2017 Analyzed: 09/08/2017

Benzene	49.4	1.00	ug/L	50.0		98.7	73.3-129			
Toluene	48.9	1.00	"	50.0		97.9	76.2-123			
Ethylbenzene	50.2	1.00	"	50.0		100	73.6-130			
m,p-Xylene	100	2.00	"	100		100	76.1-126			
o-Xylene	50.5	1.00	"	50.0		101	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.5	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

LCS (B710802-BS2)

Prepared: 09/08/2017 Analyzed: 09/08/2017

Benzene	48.0	1.00	ug/L	50.0		96.0	73.3-129			
Toluene	47.3	1.00	"	50.0		94.6	76.2-123			
Ethylbenzene	48.4	1.00	"	50.0		96.9	73.6-130			
m,p-Xylene	96.6	2.00	"	100		96.6	76.1-126			
o-Xylene	50.1	1.00	"	50.0		100	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.5	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

Matrix Spike (B710802-MS1)	Source: Y709042-01			Prepared: 09/08/2017 Analyzed: 09/08/2017						
Benzene	48.1	1.00	ug/L	50.0	ND	96.2	74-130			
Toluene	46.8	1.00	"	50.0	ND	93.7	73-131			
Ethylbenzene	48.1	1.00	"	50.0	ND	96.2	76-132			
m,p-Xylene	95.7	2.00	"	100	ND	95.7	69-139			
o-Xylene	49.7	1.00	"	50.0	ND	99.3	74-131			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

Matrix Spike (B710802-MS2)	Source: Y709042-02			Prepared: 09/08/2017 Analyzed: 09/08/2017						
Benzene	44.7	1.00	ug/L	50.0	ND	89.4	74-130			
Toluene	43.1	1.00	"	50.0	ND	86.2	73-131			
Ethylbenzene	43.3	1.00	"	50.0	ND	86.6	76-132			
m,p-Xylene	86.6	2.00	"	100	ND	86.6	69-139			
o-Xylene	46.6	1.00	"	50.0	ND	93.2	74-131			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.6	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.9	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

Matrix Spike Dup (B710802-MSD1)	Source: Y709042-01			Prepared: 09/08/2017 Analyzed: 09/08/2017						
Benzene	44.5	1.00	ug/L	50.0	ND	89.1	74-130	7.75	20	
Toluene	44.4	1.00	"	50.0	ND	88.7	73-131	5.44	20	
Ethylbenzene	44.2	1.00	"	50.0	ND	88.4	76-132	8.39	20	
m,p-Xylene	89.1	2.00	"	100	ND	89.1	69-139	7.15	20	
o-Xylene	46.7	1.00	"	50.0	ND	93.5	74-131	6.08	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.1	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.1	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B710802 - EPA 5030B (Water)

Matrix Spike Dup (B710802-MSD2)	Source: Y709042-02			Prepared: 09/08/2017 Analyzed: 09/08/2017						
Benzene	44.6	1.00	ug/L	50.0	ND	89.2	74-130	0.202	20	
Toluene	42.6	1.00	"	50.0	ND	85.2	73-131	1.17	20	
Ethylbenzene	42.3	1.00	"	50.0	ND	84.7	76-132	2.24	20	
m,p-Xylene	86.2	2.00	"	100	ND	86.2	69-139	0.509	20	
o-Xylene	45.9	1.00	"	50.0	ND	91.7	74-131	1.56	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.3	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.4	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

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.

Jen Pellegrini For Noelle Doyle Mathis, President



December 08, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada CO 80003

Project Name - KMG - Anderson 12-27/Bohlender 1-27 **Project Number - KMG05162/WO #884385**

Attached are your analytical results for KMG - Anderson 12-27/Bohlender 1-27 received by Origins Laboratory, Inc. December 04, 2017. This project is associated with Origins project number Y712042-01.

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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW05R2	Y712042-01	Water	December 4, 2017 13:00	12/04/2017 16:56
MW08R2	Y712042-02	Water	December 4, 2017 13:05	12/04/2017 16:56
MW09R	Y712042-03	Water	December 4, 2017 13:10	12/04/2017 16:56
MW10R	Y712042-04	Water	December 4, 2017 13:15	12/04/2017 16:56
MW11R	Y712042-05	Water	December 4, 2017 13:20	12/04/2017 16:56
MW12R2	Y712042-06	Water	December 4, 2017 13:25	12/04/2017 16:56
MW13	Y712042-07	Water	December 4, 2017 13:30	12/04/2017 16:56
MW14	Y712042-08	Water	December 4, 2017 13:35	12/04/2017 16:56
MW15	Y712042-09	Water	December 4, 2017 13:40	12/04/2017 16:56
MW16	Y712042-10	Water	December 4, 2017 13:45	12/04/2017 16:56
MW17	Y712042-11	Water	December 4, 2017 13:50	12/04/2017 16:56
MW18	Y712042-12	Water	December 4, 2017 13:55	12/04/2017 16:56
MW19	Y712042-13	Water	December 4, 2017 14:00	12/04/2017 16:56
MW20	Y712042-14	Water	December 4, 2017 14:05	12/04/2017 16:56

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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW21	Y712042-15	Water	December 4, 2017 14:10	12/04/2017 16:56
MW22	Y712042-16	Water	December 4, 2017 14:15	12/04/2017 16:56

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
 LABORATORY, INC

Y712042

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

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
 Project: KMG - Anderson 12-27/Bohlender 1-27 Project Number: KMG05162/WO #88438530

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW03R	Water	12/4/17		FD	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW05R2	Water		1300		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW08R2	Water		1305		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW09R	Water		1310		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	MW10R	Water		1315		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW11R	Water		1320		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
07-001	MW12R2	Water		1325		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
08-001	MW13	Water		1330		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
09-001	MW14	Water		1335		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
10-001	MW15	Water		1340		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
11-001	MW16	Water		1345		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: *[Signature]* Date / Time: 12/4/17 1651
 Received By: *[Signature]* Date / Time: 12-4-17 1656

Temperature on Receipt: 4.0
 Turn Around Time: 72-hr Standard 24-hr 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

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

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

ORIGINS
 LABORATORY, INC

Y12042

2/2

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

12-001	MW17	Water	12/4/17	1350	FD	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
13-001	MW18	Water		1355		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
14-001	MW19	Water		1400		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
15-001	MW20	Water		1405		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
16-001	MW21	Water		1410		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
17-001	MW22	Water		1415		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 12/4/17 1656

Received By: [Signature] Date / Time: 12/4/17 1651

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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

Sample Receipt Checklist

Origins Work Order: 4712042 Client: LTE
 Client Project ID: KMG-Anderson
 Checklist Completed by: Don Lu Shipped Via: HD
 Date/time completed: 12-5-17 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 / 4.0 °C / _____ °C / _____ °C (Describe)
 Thermometer ID: TC03

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"/>			
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 CO 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 (Project Manager) [Signature]

Date/Time Reviewed 12-5-17

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW05R2
12/4/2017 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW08R2
12/4/2017 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	111 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	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: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW09R
12/4/2017 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW10R
12/4/2017 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW11R
12/4/2017 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	111 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	108 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

MW12R2
12/4/2017 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	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	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW13
12/4/2017 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	108 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW14
12/4/2017 1:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW15
12/4/2017 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	112 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW16
12/4/2017 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	113 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW17
12/4/2017 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	110 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW18
12/4/2017 1:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	111 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	108 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW19
12/4/2017 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-13 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW20
12/4/2017 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/06/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	111 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	106 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW21
12/4/2017 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-15 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/07/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	105 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	109 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

MW22
12/4/2017 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y712042-16 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7L0610	12/06/2017	12/07/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7L0610 - EPA 5030B (Water)

Blank (B7L0610-BLK1)

Prepared: 12/06/2017 Analyzed: 12/06/2017

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	66		"	62.5	106		84-121			
Surrogate: Toluene-d8	64		"	62.5	102		85-115			
Surrogate: 4-Bromofluorobenzene	67		"	62.5	108		84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7L0610 - EPA 5030B (Water)

LCS (B7L0610-BS1)

Prepared: 12/06/2017 Analyzed: 12/06/2017

Benzene	43.8	1.00	ug/L	50.0		87.5	73.3-129			
Toluene	44.4	1.00	"	50.0		88.8	76.2-123			
Ethylbenzene	47.0	1.00	"	50.0		93.9	73.6-130			
m,p-Xylene	95.6	2.00	"	100		95.6	76.1-126			
o-Xylene	48.7	1.00	"	50.0		97.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	70		"	62.5		111	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	84-114			

Origins Laboratory, Inc.



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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7L0610 - EPA 5030B (Water)

Matrix Spike (B7L0610-MS1)	Source: Y712042-01			Prepared: 12/06/2017 Analyzed: 12/06/2017						
Benzene	45.5	1.00	ug/L	50.0	0.170	90.7	74-130			
Toluene	45.2	1.00	"	50.0	ND	90.4	73-131			
Ethylbenzene	49.1	1.00	"	50.0	0.150	97.9	76-132			
m,p-Xylene	98.3	2.00	"	100	ND	98.3	69-139			
o-Xylene	50.4	1.00	"	50.0	ND	101	74-131			
Surrogate: 1,2-Dichloroethane-d4	71		"	62.5		114	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		108	84-114			

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

Brian Sulzberger
 Project Number: KMG05162/WO #88438530
 Project: KMG - Anderson 12-27/Bohlender 1-27

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 B7L0610 - EPA 5030B (Water)

Matrix Spike Dup (B7L0610-MSD1)	Source: Y712042-01			Prepared: 12/06/2017 Analyzed: 12/06/2017						
Benzene	47.2	1.00	ug/L	50.0	0.170	94.1	74-130	3.66	20	
Toluene	47.1	1.00	"	50.0	ND	94.2	73-131	4.14	20	
Ethylbenzene	50.0	1.00	"	50.0	0.150	99.7	76-132	1.82	20	
m,p-Xylene	100	2.00	"	100	ND	100	69-139	1.75	20	
o-Xylene	50.9	1.00	"	50.0	ND	102	74-131	0.947	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	65		"	62.5		105	85-115			
Surrogate: 4-Bromofluorobenzene	69		"	62.5		110	84-114			

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

Brian Sulzberger
Project Number: KMG05162/WO #88438530
Project: KMG - Anderson 12-27/Bohlender 1-27

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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