

FREMONT ENVIRONMENTAL INC.

March 2, 2018

Mr. Jacob Evans
Noble Energy Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: **Ground Water Data Submittal**
Romero Angelina 1,2
SWNW Sec. 3 T4N R65W
API # 05-123-12728,
Facility #323216, Remediation # 6964
La Salle, Colorado
Fremont Project No. C010-009

Dear Mr. Evans:

Enclosed please find a copy of the above referenced Ground Water Data Submittal for the Romero Angelina 1,2 site in Weld County, Colorado. The enclosed data describes the ground water quality at the site during the recent quarterly sampling and monitoring event.

Please contact me at (303) 956-8714 if you require any additional information.

Fremont appreciates the opportunity to provide this service.

Sincerely,
FREMONT ENVIRONMENTAL INC.



Paul V. Henahan, P.E.
Senior Consultant

Enclosure

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA AND CHEMISTRY DATA
NOBLE ENERGY INC.
ROMERO ANGELINO 1,2, LA SALLE, COLORADO
FREMONT PROJECT NO. C010-009

SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENES (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-1	9/1/2010	9430	2010	532	7610	99.33	3.74	95.59	0
	6/20/2011	WD	WD	WD	WD	WD	WD	WD	WD
MW-2	9/1/2010	<1.0	<1.0	<1.0	5.43	99.13	3.62	95.51	0
	6/20/2011	NS	NS	NS	NS		4.27	94.86	0
	9/23/2011	NS	NS	NS	NS		3.21	95.92	0
	12/19/2011	<1.0	<1.0	<1.0	<1.0		3.87	95.26	0
	3/5/2013	NS	NS	NS	NS		4.85	94.28	0
	6/26/2013	NS	NS	NS	NS		4.28	94.85	0
	9/9/2013	NS	NS	NS	NS		2.38	96.75	0
	12/13/2013	NS	NS	NS	NS		4.32	94.81	0
	3/31/2014	<1.0	<1.0	<1.0	<1.0		10.31	88.82	0
	6/13/2014	NS	NS	NS	NS		2.91	96.22	0
	9/2/2014	NS	NS	NS	NS		2.42	96.71	0
	12/9/2014	NS	NS	NS	NS		3.65	95.48	0
	3/12/2015	<1.0	<1.0	<1.0	<1.0		4.62	94.51	0
	6/9/2015	<1.0	<1.0	<1.0	<1.0		2.77	96.36	0
	9/28/2015	NS	NS	NS	NS		2.30	96.83	0
	12/3/2015	NS	NS	NS	NS		3.23	95.90	0
	1/27/2016	NS	NS	NS	NS		3.89	95.24	0
	4/28/2016	NS	NS	NS	NS		3.19	95.94	0
	7/27/2016	NS	NS	NS	NS		2.02	97.11	0
	10/19/2016	NS	NS	NS	NS		2.53	96.60	0
	1/18/2017	NS	NS	NS	NS		4.63	94.50	0
	4/5/2017	NS	NS	NS	NS		4.67	94.46	0
	4/26/2017	NS	NS	NS	NS		3.08	96.05	0
	10/13/2017	NS	NS	NS	NS		2.92	96.21	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.29	94.84	0
MW-3	9/1/2010	<1.0	<1.0	<1.0	<2.0	100.00	3.62	96.38	0
	12/27/2010	<1.0	<1.0	<1.0	<1.0		4.96	95.04	0
	3/9/2011	<1.0	<1.0	<1.0	<3.0		5.54	94.46	0
	6/20/2011	<1.0	<1.0	<1.0	<3.0		4.54	95.46	0
	9/23/2011	<1.0	<1.0	<1.0	<3.0		3.71	96.29	0
	12/19/2011	<1.0	<1.0	<1.0	<1.0		4.23	95.77	0
	3/8/2012	<1.0	<1.0	<1.0	<1.0		4.95	95.05	0
	6/4/2012	<1.0	<1.0	<1.0	<1.0		4.96	95.04	0
	9/29/2012	<1.0	<1.0	<1.0	<1.0		5.34	94.66	0
	12/13/2012	<1.0	<1.0	<1.0	<1.0		4.73	95.27	0
	3/5/2013	<1.0	<1.0	<1.0	<1.0		5.20	94.80	0
	6/26/2013	<1.0	<1.0	<1.0	<1.0		4.41	95.59	0
	9/9/2013	<1.0	<1.0	<1.0	<1.0		3.72	96.28	0
	12/13/2013	<1.0	<1.0	<1.0	<1.0		4.71	95.29	0
	3/31/2014	<1.0	<1.0	<1.0	<1.0		7.42	92.58	0
	6/13/2014	<1.0	<1.0	<1.0	<1.0		2.88	97.12	0
	9/2/2014	<1.0	<1.0	<1.0	<1.0		2.78	97.22	0
	12/9/2014	<1.0	<1.0	<1.0	<1.0		4.01	95.99	0
	3/12/2015	NF	NF	NF	NF		NF	NF	NF
	6/9/2015	<1.0	<1.0	<1.0	<1.0		2.96	97.04	0
	9/28/2015	<1.0	<1.0	<1.0	<1.0		2.53	97.47	0
	12/3/2015	<1.0	<1.0	<1.0	<1.0		3.53	96.47	0
	1/27/2016	<1.0	<1.0	<1.0	<1.0		4.08	95.92	0
	4/28/2016	<1.0	<1.0	<1.0	<1.0		3.39	96.61	0
	7/27/2016	<1.0	<1.0	<1.0	<1.0		2.15	97.85	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		2.67	97.33	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		4.77	95.23	0
	4/5/2017	<1.0	<1.0	<1.0	<1.0		4.80	95.20	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		3.19	96.81	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		3.01	96.99	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.60	95.40	0
MW-4	9/1/2010	10.4	<10	998	276	99.38	3.55	95.83	0
	6/20/2011	WD	WD	WD	WD	WD	WD	WD	WD

SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENES (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-5	9/1/2010	4.98	<10	<10	2.41	97.03	1.74	95.29	0
	6/20/2011	<1.0	<1.0	<1.0	<3.0		2.44	94.59	0
	7/27/2011	<1.0	<1.0	<1.0	<3.0		2.19	94.84	0
	9/23/2011	2.3	<1.0	<1.0	<3.0		1.25	95.78	0
	12/19/2011	12.4	13.8	<1.0	<1.0		2.01	95.02	0
	3/8/2012	<1.0	<1.0	<1.0	<1.0		2.93	94.10	0
	6/4/2012	879	<1.0	<1.0	<1.0		2.76	94.27	0
	9/29/2012	<1.0	<1.0	<1.0	<1.0		NM	NM	0
	12/13/2012	<1.0	<1.0	<1.0	<1.0		2.73	94.30	0
	3/5/2013	<1.0	<1.0	<1.0	<1.0		3.22	93.81	0
	6/26/2013	<1.0	<1.0	<1.0	<1.0		2.69	94.34	0
	9/9/2013	<1.0	<1.0	<1.0	<1.0		1.61	95.42	0
	12/13/2013	<1.0	<1.0	<1.0	<1.0		2.53	94.50	0
	3/31/2014	<1.0	<1.0	<1.0	<1.0		3.29	93.74	0
	6/13/2014	480	<1.0	<1.0	<1.0		1.31	95.72	0
	9/2/2014	<1.0	<1.0	<1.0	<1.0		0.87	96.16	0
	12/9/2014	<1.0	<1.0	<1.0	<1.0		1.79	95.24	0
	3/12/2015	<1.0	<1.0	<1.0	<1.0		2.89	94.14	0
	6/9/2015	<1.0	<1.0	<1.0	<1.0		1.05	95.98	0
	9/28/2015	3.3	<1.0	<1.0	<1.0		too shallow	NM	0
	12/3/2015	<1.0	<1.0	<1.0	<1.0		1.48	95.55	0
	1/27/2016	<1.0	<1.0	<1.0	<1.0		2.18	94.85	0
	4/28/2016	23	<1.0	1.7	<1.0		1.49	95.54	0
	6/2/2016	130	<1.0	32	8.4		2.23	94.80	0
	7/27/2016	<1.0	<1.0	<1.0	<1.0		too shallow	NM	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		1.39	95.64	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		3.50	93.53	0
	4/5/2017	<1.0	<1.0	<1.0	<1.0		3.53	93.50	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		1.91	95.12	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		1.71	95.32	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		2.48	94.55	0
MW-6	9/1/2010	<1.0	<1.0	<1.0	2.69	97.17	1.89	95.28	0
	6/20/2011	20.9	<1.0	<1.0	<3.0		2.56	94.61	0
	7/27/2011	<1.0	<1.0	<1.0	<3.0		2.29	94.88	0
	9/23/2011	<1.0	<1.0	<1.0	<3.0		1.39	95.78	0
	12/19/2011	<1.0	<1.0	<1.0	<1.0		2.12	95.05	0
	3/8/2012	383	<1.0	<1.0	<1.0		3.02	94.15	0
	6/4/2012	1,052	<1.0	18.4	<1.0		2.91	94.26	0
	9/29/2012	445	1.5	<1.0	<1.0		2.91	94.26	0
	12/13/2012	<1.0	<1.0	<1.0	<1.0		2.93	94.24	0
	3/5/2013	<1.0	<1.0	<1.0	<1.0		3.26	93.91	0
	6/26/2013	7.7	<1.0	<1.0	<1.0		2.79	94.38	0
	7/3/2013	<1.0	<1.0	<1.0	<1.0		NM	NM	0
	9/9/2013	7.3	<1.0	<1.0	<1.0		1.78	95.39	0
	12/13/2013	<1.0	<1.0	<1.0	<1.0		2.63	94.54	0
	3/31/2014	1167	<1.0	<1.0	9		3.36	93.81	0
	6/13/2014	2558	<1.0	5.4	5.7		1.36	95.81	0
	9/2/2014	1445	2.4	12.9	15.1		0.82	96.35	0
	12/9/2014	<1.0	<1.0	<1.0	<1.0		1.88	95.29	0
	3/12/2015	1300	<1.0	2.6	<1.0		2.96	94.21	0
	6/9/2015	<1.0	<1.0	<1.0	24		1.14	96.03	0
	9/28/2015	<1.0	<1.0	<1.0	<1.0		too shallow	NM	0
	12/3/2015	<1.0	<1.0	<1.0	<1.0		1.57	95.60	0
	1/27/2016	<1.0	<1.0	<1.0	<1.0		2.26	94.91	0
	4/28/2016	150	<1.0	3.0	<1.0		1.56	95.61	0
	6/2/2016	620	<1.0	16	19		2.31	94.86	0
	7/27/2016	1200	<1.0	28	4.1		too shallow	NM	0
	10/19/2016	34	<1.0	<1.0	<1.0		1.38	95.79	0
	1/18/2017	<1.0	<1.0	<1.0	100		3.49	93.68	0
	4/5/2017	1000	<1.0	79	220		3.53	93.64	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		1.90	95.27	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		1.71	95.46	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		2.56	94.61	0
MW-7	9/1/2010	<1.0	<1.0	<1.0	<2.0	97.18	1.71	95.47	0
	12/27/2010	<1.0	<1.0	<1.0	<1.0		2.79	94.39	0

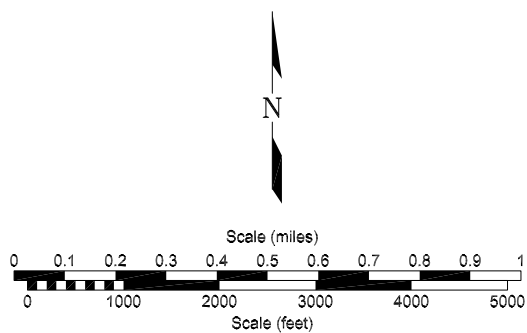
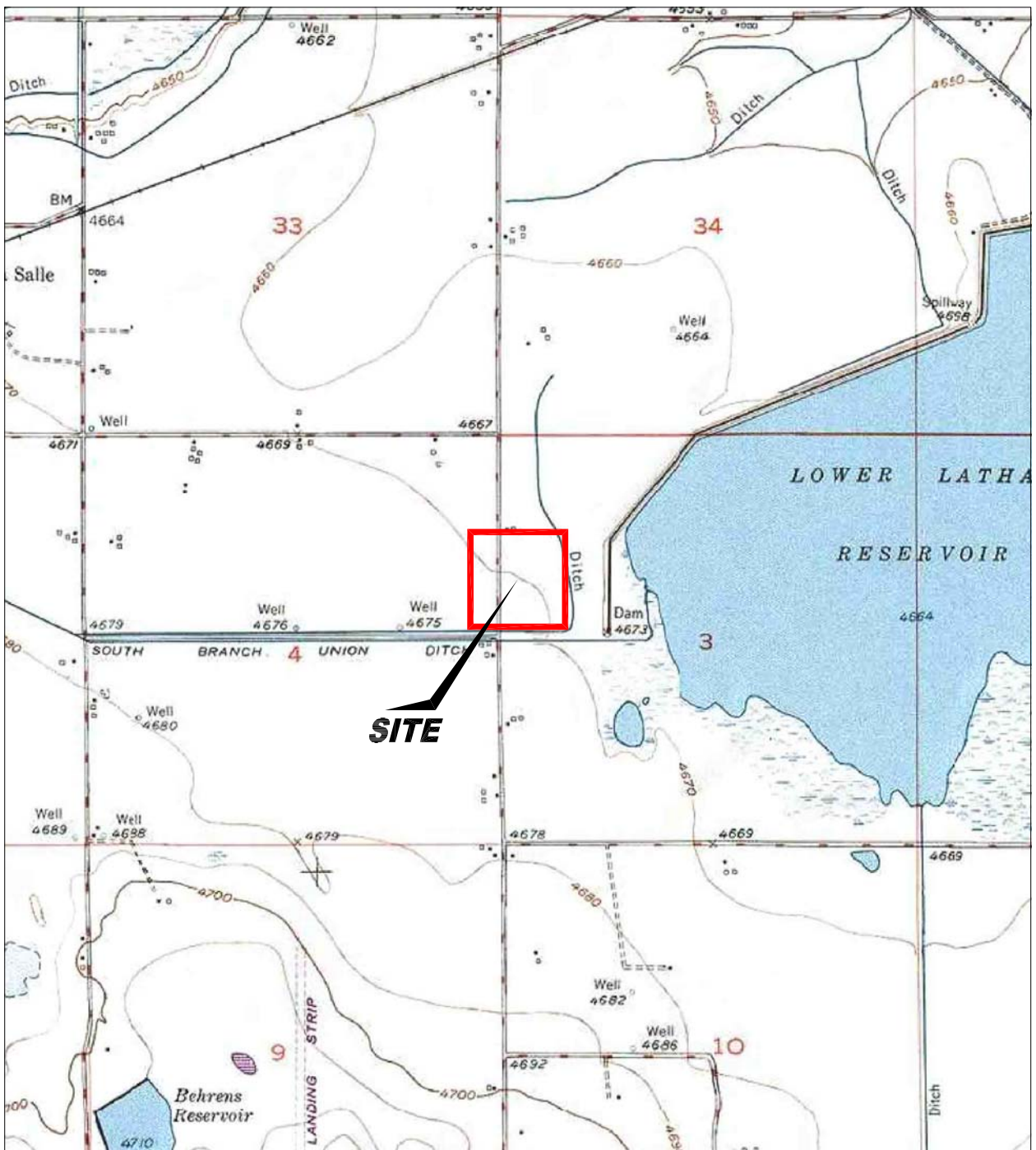
SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENES (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-7	3/9/2011	367	<1.0	4.5	21.7		3.22	93.96	0
	3/24/2011	528	<1.0	16.6	67.7		NM	NM	0
	6/20/2011	5540	1.9	216	98.4		2.43	94.75	0
	7/27/2011	4830	1.2	279	91.1		2.18	95.00	0
	9/23/2011	4330	<1.0	248	5		1.32	95.86	0
	12/19/2011	6	<1.0	<1.0	<1.0		2.01	95.17	0
	3/8/2012	1673	<1.0	18.4	189		2.91	94.27	0
	6/4/2012	542	<1.0	12.3	<1.0		2.80	94.38	0
	9/29/2012	<1.0	<1.0	<1.0	<1.0		2.94	94.24	0
	12/13/2012	<1.0	<1.0	<1.0	<1.0		3.40	93.78	0
	3/5/2013	<1.0	<1.0	<1.0	<1.0		3.19	93.99	0
	6/26/2013	342	<1.0	<1.0	33.2		2.44	94.74	0
	7/3/2013	2.6	<1.0	<1.0	35.9		NM	NM	0
	9/9/2013	<1.0	<1.0	<1.0	<1.0		1.61	95.57	0
	12/13/2013	<1.0	<1.0	<1.0	<1.0		2.52	94.66	0
	3/31/2014	148	<1.0	94.4	169		3.21	93.97	0
	6/13/2014	818	<1.0	159	154		1.17	96.01	0
	9/2/2014	311	<1.0	15.3	23.4		0.74	96.44	0
	12/9/2014	<1.0	<1.0	<1.0	<1.0		1.78	95.40	0
	3/12/2015	<1.0	<1.0	<1.0	<1.0		2.86	94.32	0
	6/9/2015	<1.0	<1.0	<1.0	<1.0		1.10	96.08	0
	9/28/2015	21	<1.0	29	340		too shallow	NM	0
	12/3/2015	<1.0	<1.0	<1.0	20		1.44	95.74	0
	1/27/2016	5.2	<1.0	<1.0	38		2.21	94.97	0
	4/28/2016	1.6	<1.0	5.1	<1.0		1.51	95.67	0
	6/2/2016	<1.0	<1.0	<1.0	<1.0		2.25	94.93	0
	7/27/2016	<1.0	<1.0	<1.0	1.4		too shallow	NM	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		1.41	95.77	0
	1/18/2017	11	<1.0	<1.0	<1.0		3.51	93.67	0
	4/5/2017	2.1	<1.0	<1.0	<1.0		3.55	93.63	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		1.95	95.23	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		1.75	95.43	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		2.47	94.71	0
MW-8	9/1/2010	<1.0	<1.0	<1.0	<2.0	97.00	1.58	95.42	0
	12/27/2010	<1.0	<1.0	<1.0	<1.0		2.60	94.40	0
	3/9/2011	<1.0	<1.0	<1.0	<3.0		3.49	93.51	0
	6/20/2011	<1.0	<1.0	<1.0	<3.0		2.27	94.73	0
	7/27/2011	<1.0	<1.0	<1.0	<3.0		1.99	95.01	0
	9/23/2011	<1.0	<1.0	<1.0	<3.0		1.16	95.84	0
	12/19/2011	<1.0	<1.0	<1.0	<1.0		1.82	95.18	0
	3/8/2012	<1.0	<1.0	<1.0	<1.0		2.70	94.30	0
	6/4/2012	<1.0	<1.0	<1.0	<1.0		2.62	94.38	0
	9/29/2012	1.5	<1.0	<1.0	<1.0		2.66	94.34	0
	12/13/2012	<1.0	<1.0	<1.0	<1.0		2.45	94.55	0
	3/5/2013	<1.0	<1.0	<1.0	<1.0		2.92	94.08	0
	6/26/2013	12.8	<1.0	<1.0	1.6		2.41	94.59	0
	7/3/2013	30.4	<1.0	<1.0	3.6		NM	NM	0
	9/9/2013	<1.0	<1.0	<1.0	<1.0		1.47	95.53	0
	12/13/2013	<1.0	<1.0	<1.0	<1.0		2.34	94.66	0
	3/31/2014	<1.0	<1.0	<1.0	<1.0		3.23	93.77	0
	6/13/2014	<1.0	<1.0	<1.0	<1.0		0.98	96.02	0
	9/2/2014	<1.0	<1.0	<1.0	<1.0		0.54	96.46	0
	12/9/2014	<1.0	<1.0	<1.0	<1.0		1.56	95.44	0
	3/12/2015	<1.0	<1.0	<1.0	<1.0		2.65	94.35	0
	6/9/2015	<1.0	<1.0	<1.0	<1.0		< probe	NM	0
	9/28/2015	<1.0	<1.0	<1.0	<1.0		too shallow	NM	0
	12/3/2015	<1.0	<1.0	<1.0	<1.0		1.27	95.73	0
	1/27/2016	<1.0	<1.0	<1.0	<1.0		1.98	95.02	0
	4/28/2016	<1.0	<1.0	<1.0	<1.0		1.29	95.71	0
	6/2/2016	<1.0	<1.0	<1.0	<1.0		2.02	94.98	0
	7/27/2016	<1.0	<1.0	<1.0	<1.0		too shallow	NM	0
	10/19/2016	1.6	<1.0	<1.0	2.6		1.37	95.63	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		3.46	93.54	0
	4/5/2017	<1.0	<1.0	<1.0	<1.0		3.49	93.51	0
	7/26/2017	<1.0	<1.0	<1.0	2.3		1.81	95.19	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		1.65	95.35	0

SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENES (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-8	1/12/2018	<1.0	<1.0	<1.0	<1.0		2.29	94.71	0
MW-9	7/27/2016	<1.0	<1.0	<1.0	<1.0	99.57	2.35	97.22	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		2.87	96.70	0
	1/18/2017	24	<1.0	6.4	61		4.97	94.60	0
	4/5/2017	<1.0	<1.0	33	110		5.02	94.55	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		3.40	96.17	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		3.24	96.33	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.60	94.97	0
MW-10	7/27/2016	<1.0	<1.0	<1.0	<1.0	99.58	2.29	97.29	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		2.81	96.77	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		4.92	94.66	0
	4/5/2017	1.7	<1.0	<1.0	<1.0		4.97	94.61	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		3.34	96.24	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		3.19	96.39	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.55	95.03	0
MW-11	7/27/2016	10	<1.0	<1.0	140	99.33	1.93	97.40	0
	10/19/2016	22	<1.0	12	110		2.44	96.89	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		4.54	94.79	0
	4/5/2017	22	<1.0	1.0	35		4.58	94.75	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		2.95	96.38	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		2.77	96.56	0
	1/12/2018	4.6	<1.0	<1.0	910		4.22	95.11	0
MW-12	7/27/2016	<1.0	<1.0	<1.0	92	99.37	2.06	97.31	0
	10/19/2016	34	<1.0	50	520		2.57	96.80	0
	1/18/2017	4.5	<1.0	24	240		4.68	94.69	0
	4/5/2017	<1.0	<1.0	<1.0	<1.0		4.72	94.65	0
	7/26/2017	14	<1.0	13	61		3.08	96.29	0
	10/13/2017	1.5	<1.0	<1.0	7.3		2.91	96.46	0
	1/12/2018	1	<1.0	32	330		4.34	95.03	0
MW-13	7/27/2016	<1.0	<1.0	<1.0	52	99.56	2.19	97.37	0
	10/19/2016	1.3	<1.0	<1.0	7.4		2.70	96.86	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		4.82	94.74	0
	4/5/2017	<1.0	<1.0	3.0	2.3		4.87	94.69	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		3.21	96.35	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		3.03	96.53	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.46	95.10	0
MW-14	7/27/2016	<1.0	<1.0	<1.0	<1.0	99.74	2.53	97.21	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		3.04	96.70	0
	1/18/2017	<1.0	<1.0	<1.0	<1.0		5.15	94.59	0
	4/5/2017	<1.0	<1.0	<1.0	<1.0		5.19	94.55	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		3.55	96.19	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		3.38	96.36	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.79	94.95	0
MW-15	7/27/2016	<1.0	<1.0	<1.0	<1.0	99.76	2.26	97.50	0
	10/19/2016	<1.0	<1.0	<1.0	<1.0		2.78	96.98	0
	1/18/2017	2.1	<1.0	8.0	98		2.97	96.79	0
	4/5/2017	<1.0	<1.0	<1.0	<1.0		3.02	96.74	0
	7/26/2017	<1.0	<1.0	<1.0	<1.0		1.45	98.31	0
	10/13/2017	<1.0	<1.0	<1.0	<1.0		1.29	98.47	0
	1/12/2018	<1.0	<1.0	<1.0	<1.0		4.56	95.20	0
COGCC Table 910-1 Limits		5	560	700	1,400				

Values in bold exceed the COGCC concentrations

WD - Well Destroyed

NS - Not Sampled



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Noble Energy
Romero Angelino 1,2
La Salle, Colorado

Project No.
C010-009

Prepared by

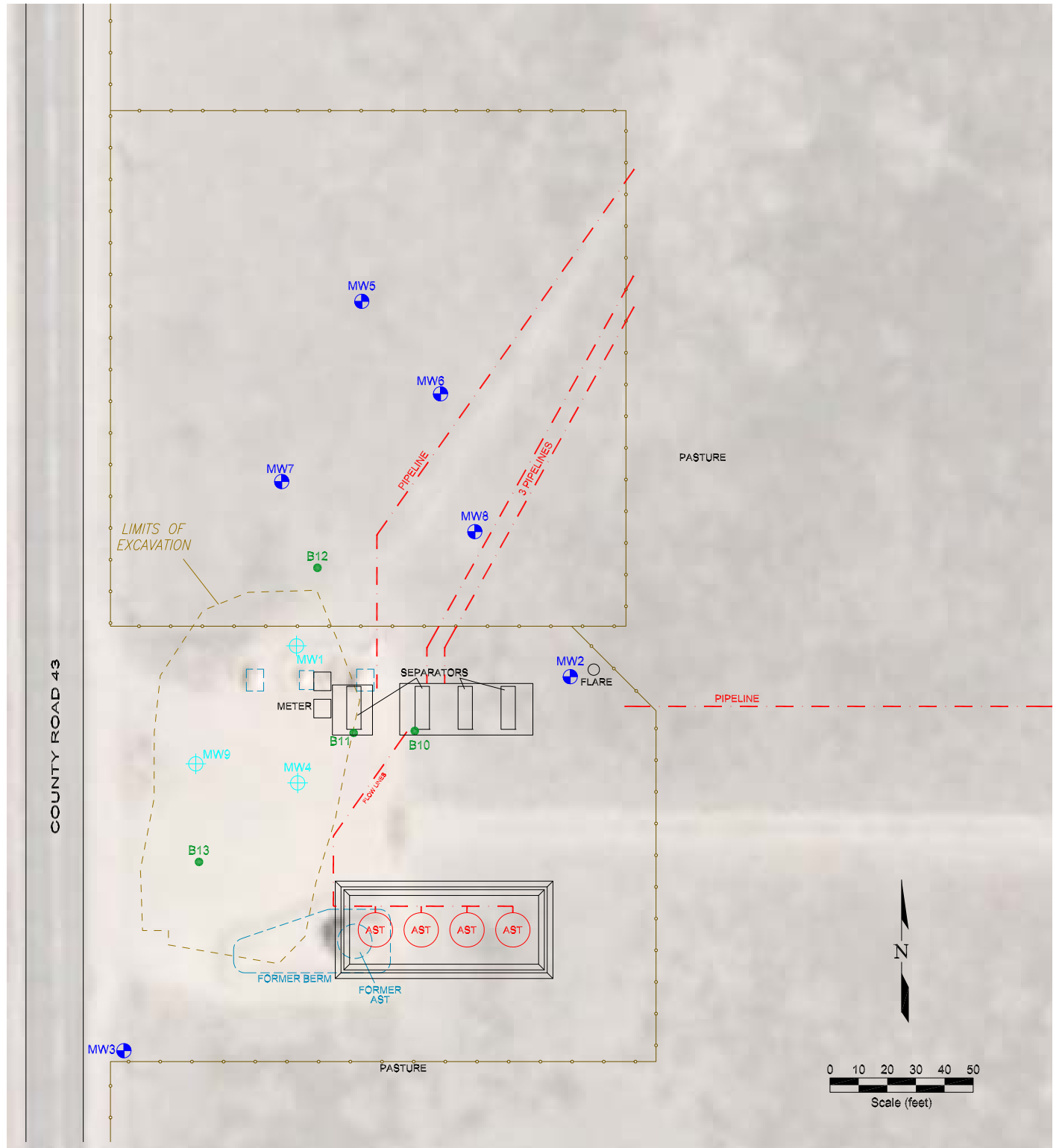
Drawn by
JMA

Date
9/15/10

Reviewed by

Filename
10009T





LEGEND








-  MONITORING WELL
-  DESTROYED MONITORING WELL
-  SOIL BORING
-  FENCE LINE
-  PIPELINE
-  FORMER FACILITY
-  ABOVE GROUND STORAGE TANK

Figure 2 SITE MAP

Noble Energy
Romero Angelino 1,2
La Salle, Colorado

Project No.
C010-009

Prepared by

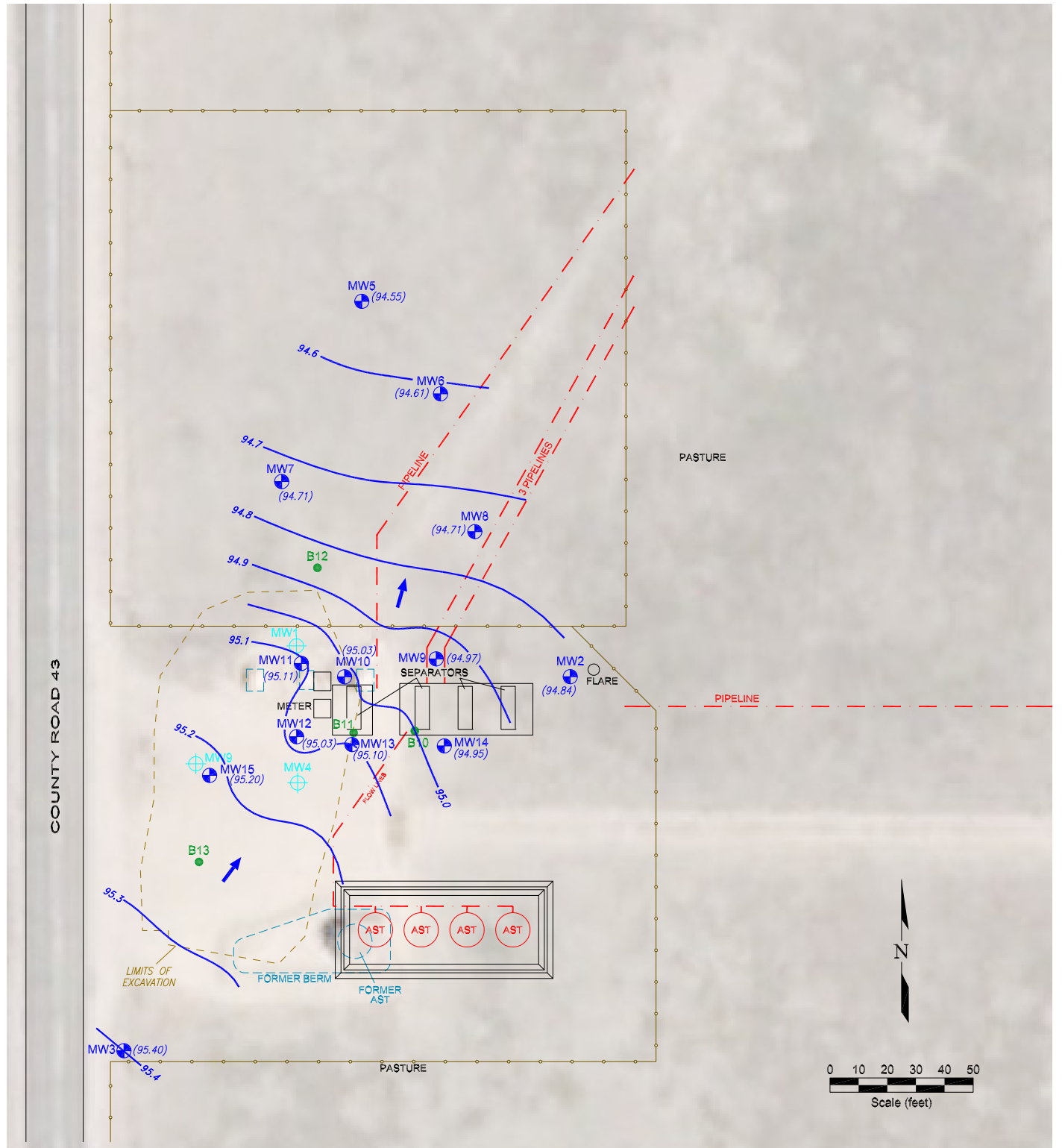
Drawn by
JMA

Date
12/19/13

Reviewed by

Filename
10009R





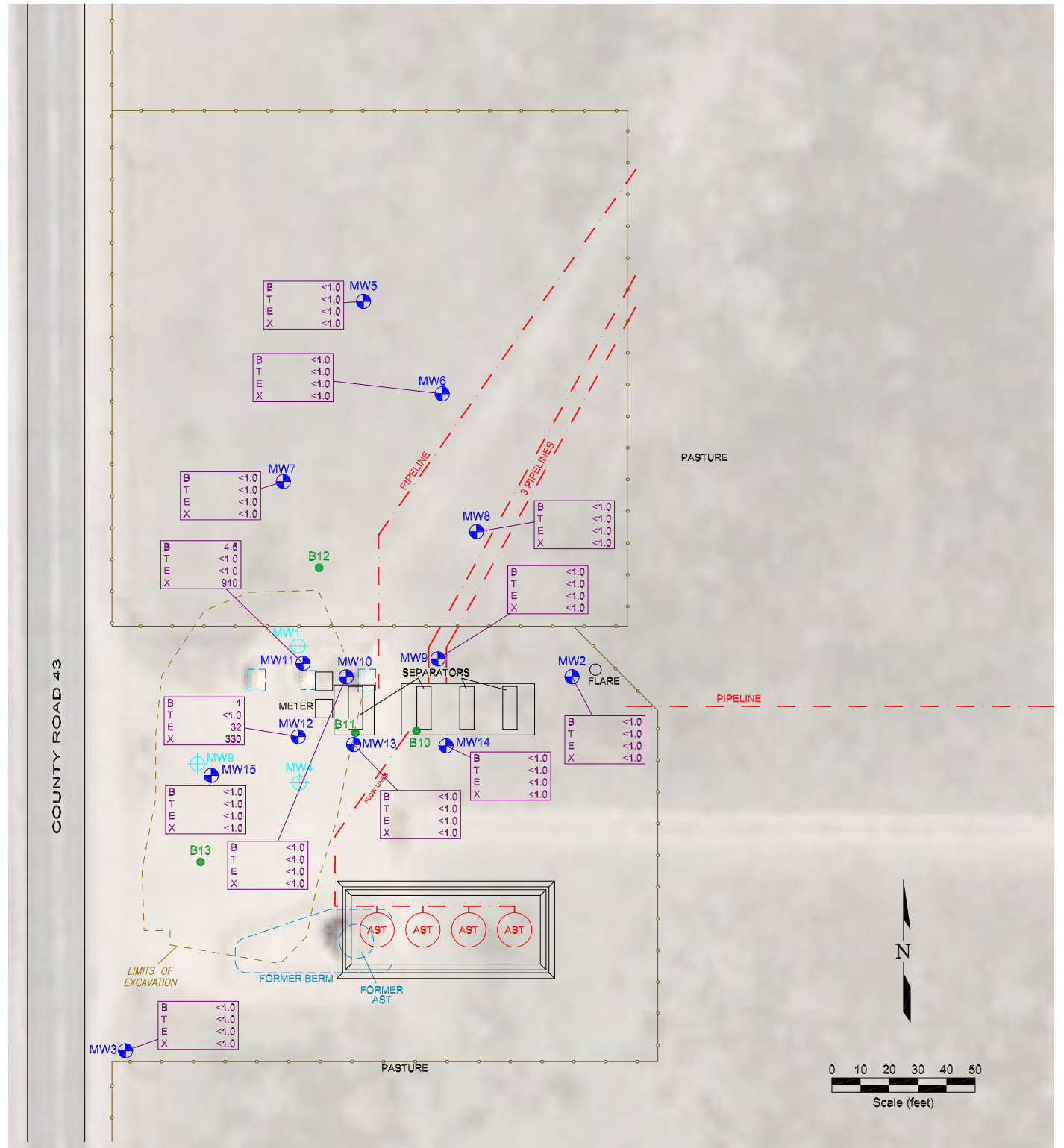
LEGEND

	MONITORING WELL	(95.42)	GROUND WATER ELEVATION (ft above arbitrary datum)
	DESTROYED MONITORING WELL	NW	NOT MEASURED
	SOIL BORING	94.5	WATER TABLE CONTOUR
	FENCE LINE		GROUND WATER FLOW DIRECTION
	PIPELINE		
	FORMER FACILITY		
	ABOVE GROUND STORAGE TANK		

Figure 3
INFERRED GROUNDWATER CONTOUR
JANUARY 12, 2018

Noble Energy
Romero Angelino 1,2
La Salle, Colorado

Project No. C010-009	Prepared by JMA	Drawn by JMA	
Date 2/28/18	Reviewed by	Filename 10009R	



LEGEND

	MONITORING WELL	B	<1.0	BENZENE (ug/L)
	DESTROYED MONITORING WELL	T	<1.0	TOLUENE (ug/L)
	SOIL BORING	E	<1.0	ETHYLBENZENE (ug/L)
		X	<1.0	TOTAL XYLENES (ug/L)
		NF		NOT FOUND
		NS		NOT SAMPLED
	FENCE LINE			
	PIPELINE			
	FORMER FACILITY			
	ABOVE GROUND STORAGE TANK			

Figure 4
GROUND WATER CHEMISTRY MAP
JANUARY 12, 2018

Noble Energy
Romero Angelino 1,2
La Salle, Colorado

Project No.
C010-009

Prepared by
JMA

Drawn by
JMA

Date
2/28/18

Reviewed by

Filename
10009R



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

January 19, 2018

Paul Henehan
Fremont Environmental
1759 Redwing Lane
Broomfield, CO 80020
RE: Noble - Romero Angelino 1,2

Enclosed are the results of analyses for samples received by Summit Scientific on 01/12/18 15:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	1801142-01	Water	01/12/18 12:30	01/12/18 15:15
MW-3	1801142-02	Water	01/12/18 12:15	01/12/18 15:15
MW-5	1801142-03	Water	01/12/18 13:55	01/12/18 15:15
MW-6	1801142-04	Water	01/12/18 14:05	01/12/18 15:15
MW-7	1801142-05	Water	01/12/18 14:15	01/12/18 15:15
MW-8	1801142-06	Water	01/12/18 14:30	01/12/18 15:15
MW-9	1801142-07	Water	01/12/18 12:45	01/12/18 15:15
MW-10	1801142-08	Water	01/12/18 12:55	01/12/18 15:15
MW-11	1801142-09	Water	01/12/18 13:05	01/12/18 15:15
MW-12	1801142-10	Water	01/12/18 14:40	01/12/18 15:15
MW-13	1801142-11	Water	01/12/18 13:45	01/12/18 15:15
MW-14	1801142-12	Water	01/12/18 13:35	01/12/18 15:15
MW-15	1801142-13	Water	01/12/18 13:20	01/12/18 15:15

Summit Scientific

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.

Summit Scientific

1801142.2

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 2 of 2

Client: Fremont Environmental
Address: P.O. Box 1289

Project Manager: Paul Henahan
E-Mail: paulh@fremontenv.com

City/State/Zip: PO Box 1829 Wellington, CO 80549

Phone: 303-956-8714

Fax:

Project Name: Noble Energy Romero Angeline 1,2

Sampler Name: Ken Regewski

Project Number: C010-009

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX	GRO/DRO	Napthalene	SAR	EC	Ph		
1	<u>mw-13</u>	<u>1.12.18</u>	<u>1345</u>	<u>2</u>			<u>X</u>		<u>X</u>					<u>X</u>						
2	<u>mw-14</u>	<u>1.12.18</u>	<u>1335</u>	<u>2</u>			<u>X</u>		<u>X</u>					<u>X</u>						
3	<u>mw-15</u>	<u>1.12.18</u>	<u>1320</u>	<u>2</u>			<u>X</u>		<u>X</u>					<u>X</u>						
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Relinquished by: <u>[Signature]</u>	Date/Time: <u>1.12.18/1515</u>	Received by: <u>[Signature]</u>	Date/Time: <u>1/12/18 1515</u>	Turn Around Time (Check) Same Day _____ 72 hours 24 hours <u>X</u> Standard 48 hours _____	Notes:
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____	Sample Integrity: Temperature Upon Receipt: 7.2°C Intact: <u>(Yes)</u> No	
Relinquished by: _____	Date/Time: _____	Received by: _____	Date/Time: _____		

Summit Scientific

1801142.1

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401

303-277-9310 ♦ 303-374-5933

Page 1 of 2

Client: Fremont Environmental

Project Manager: Paul Henchan

Address: P.O. Box 1289

E-Mail: paulh@fremontenv.com

City/State/Zip: PO Box 1829 Wellington, CO 80549

Phone: 303-956-8714

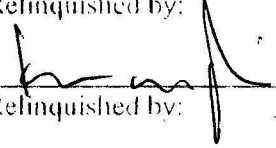
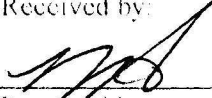
Fax:

Project Name: Noble Energy Romero Angeline 1,2

Sampler Name: Ken Rogowski

Project Number: Colo - 009

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions
					HCl	HNO3	None	Other (Specify)	Groundwater	Soil	Air-Canister #	Other (Specify)	BTEX	GRO/DRO	Napthalene	SAR	EC	Ph		
1	MW-2	1-12-18	1230	2			X		X				X							
2	MW-3		1215																	
3	MW-5		1355																	
4	MW-6		1405																	
5	MW-7		1415																	
6	MW-8		1430																	
7	MW-9		1245																	
8	MW-10		1255																	
9	MW-11		1305																	
10	MW-12		1440																	

Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time (Check)	Notes:
	1-12-18/1515		1/12/18 1515	Same Day _____ 72 hours _____ 24 hours <input checked="" type="checkbox"/> Standard 48 hours _____	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: 7.2°C Intact: <input checked="" type="checkbox"/> Yes No	

1801142

Sample Receipt Checklist

S2 Work Order: _____

Client: Fremont Env.Client Project ID: Noble Energy/Romero Angeline 1, 2Shipped Via: P/U

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☒ Water ☐ Other: _____
(Describe)

Cooler ID					
Temp (°C)	7.2				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ?				
NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun.		✓		
Were all samples received intact ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		✓		
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?				
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			✓	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			✓	
Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Nakitz
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

1/12/18 1550
Date/Time



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-2
1801142-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/16/18	01/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.7 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	45-146		"	"	"	"	

Summit Scientific

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.



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-3
1801142-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.7 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		99.3 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	45-146		"	"	"	"	

Summit Scientific

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.



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-5
1801142-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.6 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		97.3 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.2 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-6
1801142-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 14:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.3 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		101 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %	45-146		"	"	"	"	

Summit Scientific

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.



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-7
1801142-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		96.8 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.6 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	45-146		"	"	"	"	

Summit Scientific

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.



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-8
1801142-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/19/18	01/19/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		92.0 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.1 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	45-146		"	"	"	"	

Summit Scientific

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.



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-9
1801142-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		97.2 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.7 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-10
1801142-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.7 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-11
1801142-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	4.6	1.0	ug/l	1	1801141	01/17/18	01/17/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	910	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		122 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		98.2 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		119 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-12
1801142-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1.0	1.0	ug/l	1	1801141	01/18/18	01/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	32	1.0	"	"	"	"	"	"	
Xylenes (total)	330	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		121 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		115 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-13
1801142-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/18/18	01/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.9 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	45-146		"	"	"	"	

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1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-14
1801142-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/18/18	01/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.2 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

MW-15
1801142-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/12/18 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1801141	01/18/18	01/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **01/12/18 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		117 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		102 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.0 %	45-146		"	"	"	"	

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1801141 - EPA 5030 Water MS

Blank (1801141-BLK1)

Prepared & Analyzed: 01/16/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.0	37-154			
Surrogate: Toluene-d8	13.0		"	13.3		97.6	45-149			
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3		91.8	45-146			

LCS (1801141-BS1)

Prepared & Analyzed: 01/16/18

Benzene	35.8	1.0	ug/l	33.3		107	51-132			
Toluene	36.3	1.0	"	33.3		109	51-138			
Ethylbenzene	40.6	1.0	"	33.1		123	58-146			
m,p-Xylene	79.4	2.0	"	66.5		119	57-144			
o-Xylene	35.8	1.0	"	32.7		110	53-146			
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		98.9	37-154			
Surrogate: Toluene-d8	13.4		"	13.3		100	45-149			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.7	45-146			

Matrix Spike (1801141-MS1)

Source: 1801142-01

Prepared & Analyzed: 01/16/18

Benzene	34.6	1.0	ug/l	33.3	ND	104	34-141			
Toluene	35.5	1.0	"	33.3	ND	106	27-151			
Ethylbenzene	40.2	1.0	"	33.1	ND	122	29-160			
m,p-Xylene	79.9	2.0	"	66.5	ND	120	20-166			
o-Xylene	36.2	1.0	"	32.7	ND	111	33-159			
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		100	37-154			
Surrogate: Toluene-d8	13.0		"	13.3		97.8	45-149			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.3	45-146			

Summit Scientific

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1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2
Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 1801141 - EPA 5030 Water MS

Matrix Spike Dup (1801141-MSD1)	Source: 1801142-01			Prepared & Analyzed: 01/16/18						
Benzene	35.1	1.0	ug/l	33.3	ND	105	34-141	1.32	32	
Toluene	35.9	1.0	"	33.3	ND	108	27-151	1.23	25	
Ethylbenzene	40.6	1.0	"	33.1	ND	123	29-160	0.891	50	
m,p-Xylene	80.3	2.0	"	66.5	ND	121	20-166	0.487	36	
o-Xylene	35.9	1.0	"	32.7	ND	110	33-159	0.915	26	
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.3		108	37-154			
Surrogate: Toluene-d8	13.0		"	13.3		97.5	45-149			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.4	45-146			

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Romero Angelino 1,2

Project Number: C016-009
Project Manager: Paul Henehan

Reported:
01/19/18 16:37

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference