

FREMONT ENVIRONMENTAL INC.

May 21, 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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		4.90	94.23	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

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-3	12/13/2013	<1.0	<1.0	<1.0	<1.0	100.00	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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		5.20	94.80	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
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

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	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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		3.19	93.84	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
	4/25/2018	160	<1.0	<1.0	<2.0		3.25	93.92	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
	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

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	7/27/2011	4830	1.2	279	91.1	97.18	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	<2.0		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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		3.16	94.02	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

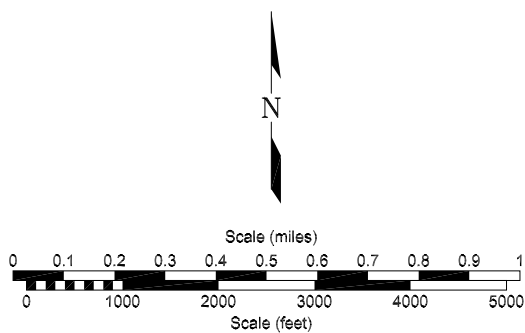
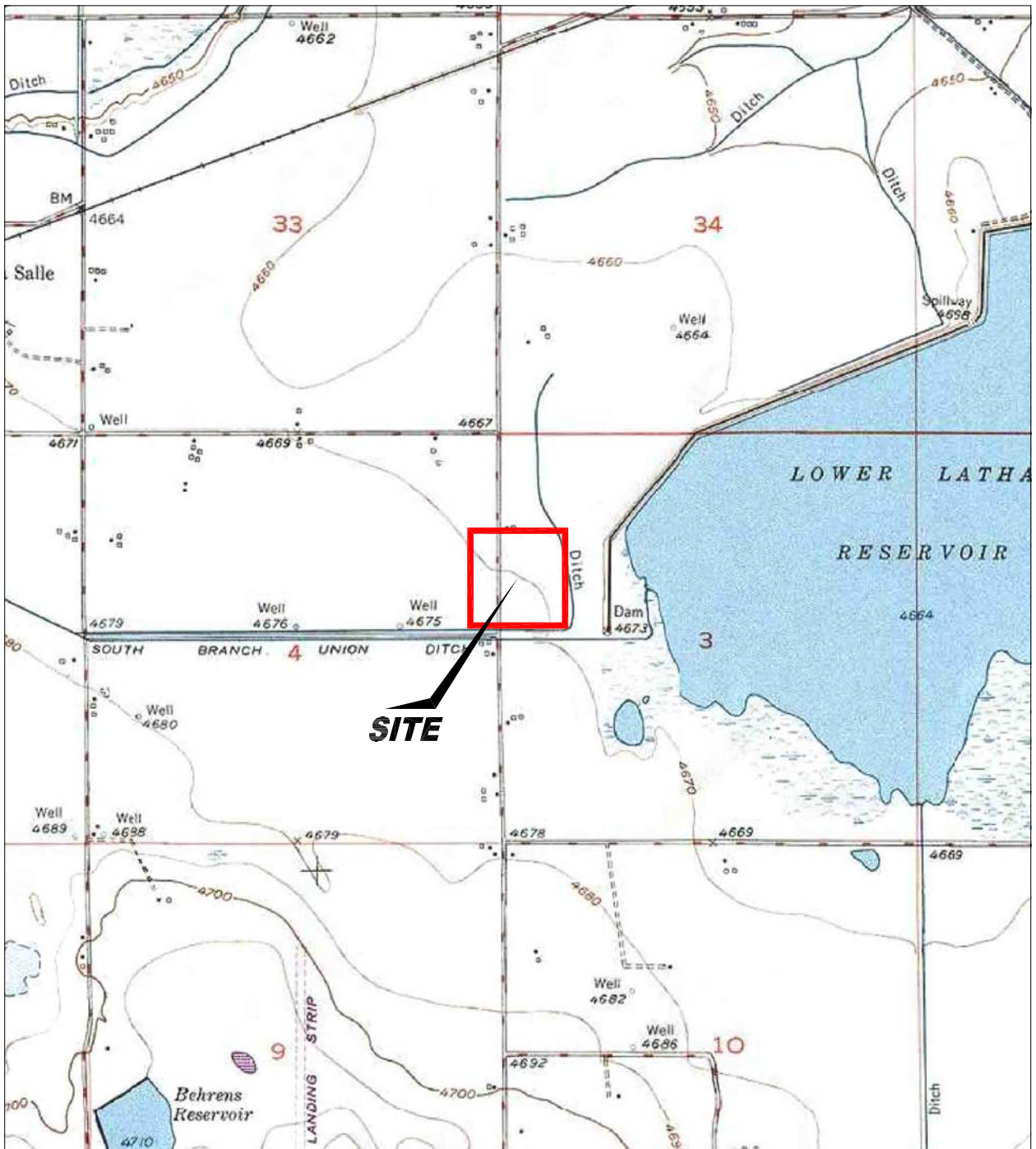
SAMPLE LOCATION	DATE	BENZENE (µg/L)	TOLUENE (µg/L)	ETHYL BENZENE (µg/L)	XYLENES (µg/L)	TOC ELEVATION (feet)	DEPTH TO GROUND WATER (ft)	GROUND WATER ELEVATION (ft)	FREE PRODUCT THICKNESS (ft)
MW-8	3/31/2014	<1.0	<1.0	<1.0	<1.0	97.00	3.23	93.77	0
	6/13/2014	<1.0	<1.0	<1.0	<1.0		0.98	96.02	0
	9/2/2014	<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
	1/12/2018	<1.0	<1.0	<1.0	<1.0		2.29	94.71	0
	4/25/2018	<1.0	<1.0	<1.0	<2.0		2.92	94.08	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
	4/25/2018	<1.0	<1.0	4.0	<2.0		5.26	94.31	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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		5.20	94.38	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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		4.90	94.43	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

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-12	1/18/2017	4.5	<1.0	24	240	99.37	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	1.0	<1.0	32	330		4.34	95.03	0
	4/25/2018	11	<1.0	66	220		5.00	94.37	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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		5.10	94.46	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
	4/25/2018	<1.0	<1.0	<1.0	<2.0		5.41	94.33	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
	4/25/2018	<1.0	1.3	<1.0	2.5		5.18	94.58	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

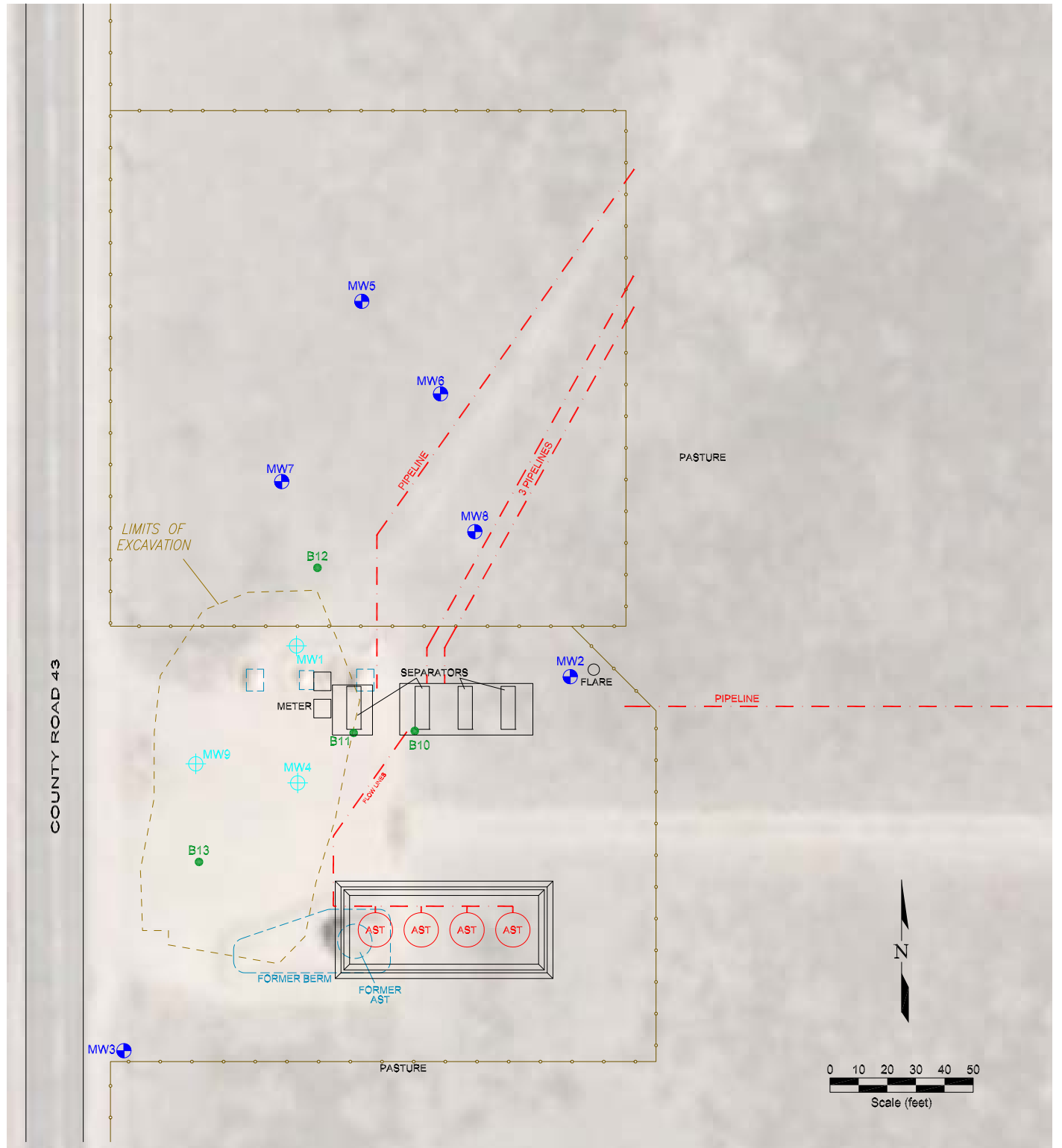
Drawn by
JMA

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

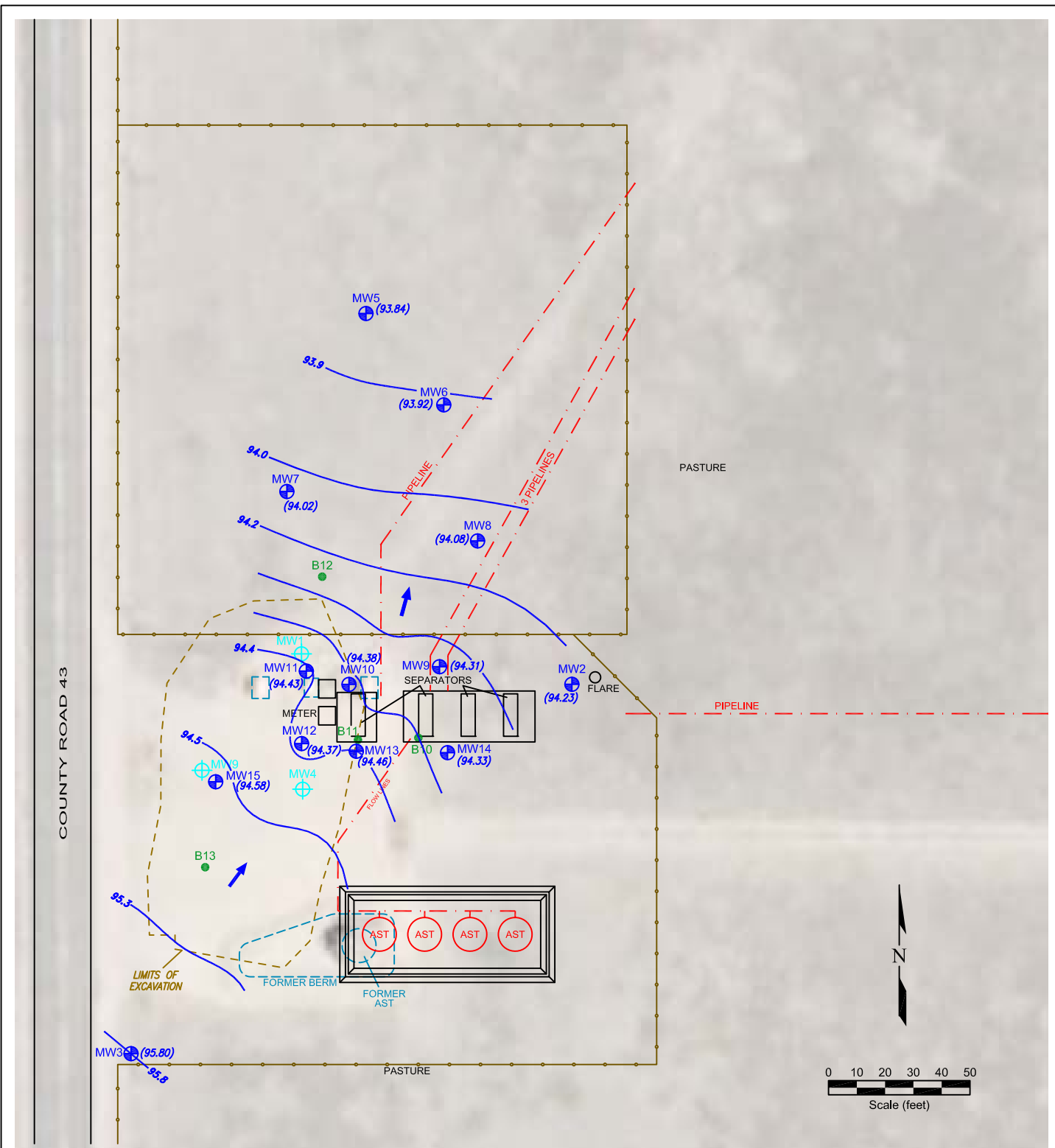
Drawn by
JMA

Date
12/19/13

Reviewed by

Filename
10009R





LEGEND

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

Figure 3
INFERRED GROUNDWATER CONTOUR
 April 25, 2018

Noble Energy
 Romero Angelino 1,2
 La Salle, Colorado

Project No.
C010-009

Prepared by
JMA

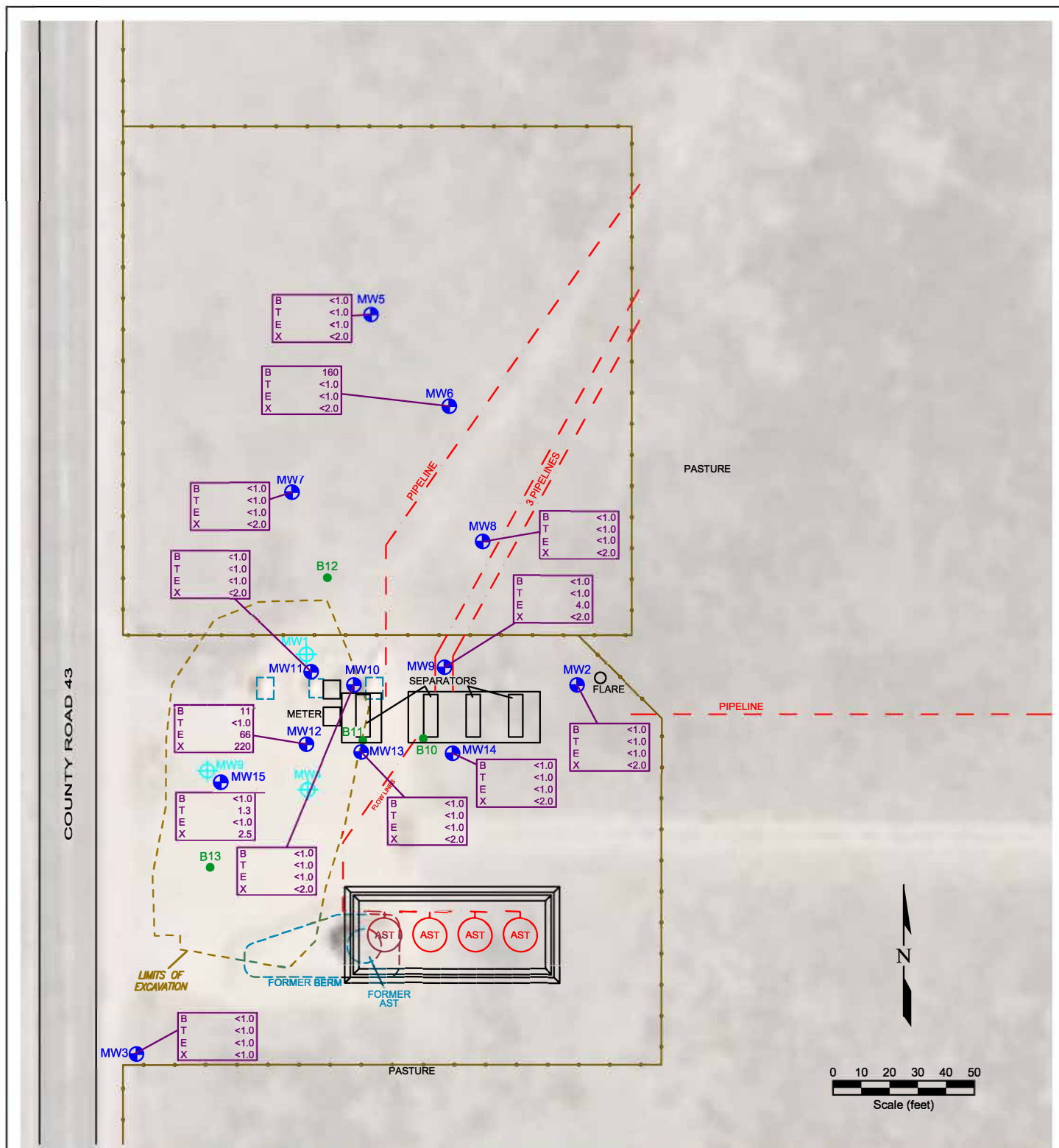
Drawn by
TDA

Date
5/8/2018

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
April 25, 2018

Noble Energy
Romero Angelino 1,2
La Salle, Colorado

Project No.
C010-009

Prepared by
TDA

Drawn by
TDA

Date
5/19/18

Reviewed by

Filename
10009R



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 03, 2018

Paul Henehan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - Romero #1

Enclosed are the results of analyses for samples received by Summit Scientific on 04/26/18 14:30. 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 For Ben Shrewsbury
Laboratory Manager



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1

Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	1804356-01	Water	04/25/18 13:05	04/26/18 14:30
MW-3	1804356-02	Water	04/25/18 12:55	04/26/18 14:30
MW-5	1804356-03	Water	04/25/18 12:15	04/26/18 14:30
MW-6	1804356-04	Water	04/25/18 12:25	04/26/18 14:30
MW-7	1804356-05	Water	04/25/18 12:35	04/26/18 14:30
MW-8	1804356-06	Water	04/25/18 12:45	04/26/18 14:30
MW-9	1804356-07	Water	04/25/18 13:35	04/26/18 14:30
MW-10	1804356-08	Water	04/25/18 13:40	04/26/18 14:30
MW-11	1804356-09	Water	04/25/18 14:00	04/26/18 14:30
MW-12	1804356-10	Water	04/25/18 14:10	04/26/18 14:30
MW-13	1804356-11	Water	04/25/18 13:50	04/26/18 14:30
MW-14	1804356-12	Water	04/25/18 13:15	04/26/18 14:30
MW-15	1804356-13	Water	04/25/18 13:25	04/26/18 14:30

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.

1804356.2

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

Page 2 of 2

Client: **FREMONT**

Address:

City/State/Zip:

Phone:

Fax:

Sampler Name:

POU-SKI

Project Manager:

HENEHAN

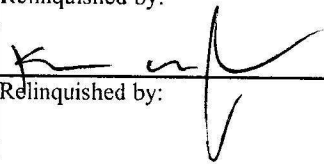
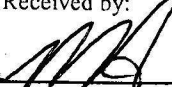
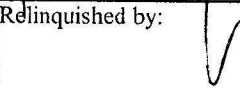
E-Mail:

Project Name:

NOBLE KAMERO #

Project Number:

6010.0009

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:								Special Instructions
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRD/DRO	NAPHTHALENE	SAR	EC	pH		
MW-13	4.25.18	1350	2			X		X				X							
MW-14	4.25.18	1315	2			X		X				X							
MW-15	4.25.18	1325	2			X		X				X							
Relinquished by:  Date/Time: 4.26.18/1430				Received by:  Date/Time: 4/26/18 1430				Turn Around Time (Check)				Notes:							
Relinquished by:  Date/Time:				Received by: Date/Time:				Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>				on ice							
Relinquished by: Date/Time:				Received in Lab by: Date/Time:				Sample Integrity:											
								Temperature Upon Receipt: 11.8°C											
								Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No											

1804356

Client: Fremont Env. Client Project ID: Noble Romero #1

Airbill #: _____

Cooler ID					
Temp (°C)	11.8				

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?				
NOTE: If samples are delivered the same day of sampling, this requirement is met 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, H ₂ SO ₄ , NaOH, HNO ₃ , 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.

4/26/18 1500
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1

Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-2
1804356-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 13:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		97.4 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	70-130		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-3
1804356-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	70-130		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-5
1804356-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		95.7 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	70-130		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-6
1804356-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	160	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		97.6 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	70-130		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-7
1804356-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		118 %	70-130		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-8
1804356-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		95.3 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	70-130		"	"	"	"	

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
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-9
1804356-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	4.0	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 13:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		97.6 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		118 %	70-130		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-10
1804356-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		96.8 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	70-130		"	"	"	"	

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-11
1804356-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		95.6 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	70-130		"	"	"	"	

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-12
1804356-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	11	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	66	1.0	"	"	"	"	"	"	
Xylenes (total)	220	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 14:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		96.0 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		131 %	70-130		"	"	"	"	S-02

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-13
1804356-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		97.4 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		129 %	70-130		"	"	"	"	

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-14
1804356-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	70-130		"	"	"	"	

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

MW-15
1804356-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/25/18 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1804328	04/30/18	05/01/18	EPA 8260B	
Toluene	1.3	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	2.5	2.0	"	"	"	"	"	"	

Date Sampled: **04/25/18 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	70-130		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	70-130		"	"	"	"	

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

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 1804328 - EPA 5030 Water MS

Blank (1804328-BLK1)

Prepared: 04/30/18 Analyzed: 05/01/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.2		99.6	70-130			
Surrogate: Toluene-d8	13.0		"	13.3		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	70-130			

LCS (1804328-BS1)

Prepared: 04/30/18 Analyzed: 05/01/18

Benzene	29.0	1.0	ug/l	33.3		87.1	70-130			
Toluene	31.2	1.0	"	33.3		93.7	70-130			
Ethylbenzene	35.7	1.0	"	33.3		107	70-130			
m,p-Xylene	68.3	2.0	"	66.7		102	70-130			
o-Xylene	33.0	1.0	"	33.3		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.2		101	70-130			
Surrogate: Toluene-d8	13.0		"	13.3		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.7	70-130			

Matrix Spike (1804328-MS1)

Source: 1804356-01

Prepared: 04/30/18 Analyzed: 05/01/18

Benzene	29.3	1.0	ug/l	33.3	ND	87.9	70-130			
Toluene	31.3	1.0	"	33.3	ND	94.0	70-130			
Ethylbenzene	35.4	1.0	"	33.3	ND	106	70-130			
m,p-Xylene	68.6	2.0	"	66.7	ND	103	70-130			
o-Xylene	32.7	1.0	"	33.3	ND	98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.2		102	70-130			
Surrogate: Toluene-d8	12.9		"	13.3		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.5	70-130			

Summit Scientific

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Project: Noble - Romero #1
Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

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 1804328 - EPA 5030 Water MS

Matrix Spike Dup (1804328-MSD1)	Source: 1804356-01			Prepared: 04/30/18 Analyzed: 05/01/18						
Benzene	30.0	1.0	ug/l	33.3	ND	90.1	70-130	2.53	30	
Toluene	31.8	1.0	"	33.3	ND	95.3	70-130	1.46	30	
Ethylbenzene	36.5	1.0	"	33.3	ND	109	70-130	2.92	30	
m,p-Xylene	69.7	2.0	"	66.7	ND	105	70-130	1.68	30	
o-Xylene	33.5	1.0	"	33.3	ND	101	70-130	2.54	30	
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.2		115	70-130			
Surrogate: Toluene-d8	13.0		"	13.3		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	13.8		"	13.3		103	70-130			

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Wellington CO, 80549

Project: Noble - Romero #1

Project Number: C010-009
Project Manager: Paul Henehan

Reported:
05/03/18 11:59

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
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