

**FOUNDATION ENERGY INC.  
SOONER 13-16 FLOWLINE RELEASE**

**FORM 27 SUPPLEMENTAL  
FOURTH QUARTER 2022 MONITORING SUMMARY REPORT**

**ATTACHMENTS**

**Tables**

- |   |  |
|---|--|
| 1 | Groundwater Elevation Data                             |
| 2 | Fourth Quarter 2022 Groundwater Analytical Data        |
| 3 | Historical Groundwater Analytical Data                 |
| 4 | Site-Specific Groundwater Sampling and Analysis Plan   |
| 5 | Fourth Quarter 2022 Summary of Enhanced Fluid Recovery |

**Figures**

- |   |  |
|---|--|
| 1 | Site Location Map                                    |
| 2 | Site Map with Monitoring Well Locations              |
| 3 | Groundwater Elevation Contour Map – December 5, 2022 |
| 4 | Groundwater Analytical Map – December 5, 2022        |

**Appendices**

- |   |                                  |
|---|----------------------------------|
| A | Laboratory Analytical Report     |
| - | Summit Scientific Job #: 2212088 |

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Depth to Water (feet btoc)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (feet)
MW01	2/16/2022	13.75			13.81	4,650.60	4,636.85	NM
MW01	5/18/2022	DRY			13.81	4,650.60	NM	NM
MW01	9/6/2022	DRY			13.81	4,650.60	NM	NM
MW01	12/5/2022	DRY			13.81	4,650.60	NM	NM
MW04	2/16/2022	14.79			14.94	4,651.52	4,636.73	NM
MW04	5/18/2022	14.78			14.94	4,651.52	4,636.74	0.01
MW04	9/6/2022	14.83			14.94	4,651.52	4,636.69	-0.05
MW04	12/5/2022	14.92			14.94	4,651.52	4,636.60	-0.09
MW05R	2/16/2022	15.02	13.97	1.05	19.50	4,650.71	4,636.47	-0.38
MW05R	5/18/2022	14.38	13.83	0.55	19.50	4,650.71	4,636.74	0.27
MW05R	9/6/2022	14.68	13.94	0.74	19.50	4,650.71	4,636.59	-0.16
MW05R	12/5/2022	14.50	14.16	0.34	19.50	4,650.71	4,636.47	-0.12
MW06R	2/16/2022	13.05			20.15	4,649.72	4,636.67	-0.15
MW06R	5/18/2022	13.09			20.15	4,649.72	4,636.63	-0.03
MW06R	9/6/2022	13.21			20.15	4,649.72	4,636.51	-0.12
MW06R	12/5/2022	14.33	13.28	1.05	20.15	4,649.72	4,636.18	-0.33
MW08	2/16/2022	13.60			14.98	4,650.19	4,636.59	-0.06
MW08	5/18/2022	13.65			14.98	4,650.19	4,636.54	-0.05
MW08	9/6/2022	13.78			14.98	4,650.19	4,636.41	-0.13
MW08	12/5/2022	14.80	13.83	0.97	14.98	4,650.19	4,636.12	-0.29
MW09	2/16/2022	12.70			14.36	4,649.89	4,637.19	-0.09
MW09	5/18/2022	12.84			14.36	4,649.89	4,637.05	-0.14
MW09	9/6/2022	13.01			14.36	4,649.89	4,636.88	-0.17
MW09	12/5/2022	13.18			14.36	4,649.89	4,636.71	-0.17
MW10R	2/16/2022	13.02	13.01	0.01	19.95	4,649.61	4,636.59	-0.04
MW10R	5/18/2022	13.08			19.95	4,649.61	4,636.53	-0.06
MW10R	9/6/2022	13.20			19.95	4,649.61	4,636.41	-0.12
MW10R	12/5/2022	13.70	13.36	0.34	19.95	4,649.61	4,636.17	-0.24
MW12	2/16/2022	13.70			15.80	4,650.41	4,636.71	0.13
MW12	5/18/2022	14.25	13.69	0.56	15.80	4,650.41	4,636.58	-0.13
MW12	9/6/2022	14.65	13.81	0.84	15.80	4,650.41	4,636.39	-0.19
MW12	12/5/2022	15.20	13.92	1.28	15.80	4,650.41	4,636.17	-0.22
MW13	2/16/2022	13.86			16.33	4,650.41	4,636.55	-0.13
MW13	5/18/2022	13.91			16.33	4,650.41	4,636.50	-0.05
MW13	9/6/2022	14.06			16.33	4,650.41	4,636.35	-0.15
MW13	12/5/2022	14.21			16.33	4,650.41	4,636.20	-0.15
MW14	2/16/2022	13.12			14.45	4,649.66	4,636.54	0.42
MW14	5/18/2022	13.19			14.45	4,649.66	4,636.47	-0.07
MW14	9/6/2022	13.33			14.45	4,649.66	4,636.33	-0.14

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Depth to Water (feet btoc)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (feet)
MW14	12/5/2022	13.47			14.45	4,649.66	4,636.19	-0.14
MW15	2/16/2022	13.81			15.68	4,650.38	4,636.57	-0.09
MW15	5/18/2022	13.85			15.68	4,650.38	4,636.53	-0.04
MW15	9/6/2022	14.03			15.68	4,650.38	4,636.35	-0.18
MW15	12/5/2022	14.17			15.68	4,650.38	4,636.21	-0.14
MW19R	2/16/2022	12.58			18.95	4,649.28	4,636.70	0.14
MW19R	5/18/2022	12.64			18.95	4,649.28	4,636.64	-0.06
MW19R	9/6/2022	12.78			18.95	4,649.28	4,636.50	-0.14
MW19R	12/5/2022	12.93			18.95	4,649.28	4,636.35	-0.15
MW20	2/16/2022	12.77			16.03	4,649.34	4,636.57	0.67
MW20	5/18/2022	12.81			16.03	4,649.34	4,636.53	-0.04
MW20	9/6/2022	12.94			16.03	4,649.34	4,636.40	-0.13
MW20	12/5/2022	13.11			16.03	4,649.34	4,636.23	-0.17
MW21	2/16/2022	12.65			16.47	4,649.28	4,636.63	-0.07
MW21	5/18/2022	12.68			16.47	4,649.28	4,636.60	-0.03
MW21	9/6/2022	12.81			16.47	4,649.28	4,636.47	-0.13
MW21	12/5/2022	13.01			16.47	4,649.28	4,636.27	-0.20
MW22	2/16/2022	12.47			17.58	4,649.08	4,636.61	-0.03
MW22	5/18/2022	12.51			17.58	4,649.08	4,636.57	-0.04
MW22	9/6/2022	12.64			17.58	4,649.08	4,636.44	-0.13
MW22	12/5/2022	12.81			17.58	4,649.08	4,636.27	-0.17
Average change in groundwater elevation (9/6/2022 to 12/5/2022)								-0.19

**Notes:**

btoc - below top of casing  
amsl - above mean sea level  
NA - Not Applicable

**TABLE 2**  
**FOURTH QUARTER 2022**  
**GROUNDWATER ANALYTICAL DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)
<b>COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	<b>280 <sup>(2)</sup></b>
MW01	2/16/2022	Not Sampled - Insufficient Water							-
MW01	5/18/2022	Not Sampled - Insufficient Water							-
MW01	9/6/2022	Not Sampled - Insufficient Water							-
MW01	12/5/2022	Not Sampled - Dry							-
MW04	2/16/2022	Not Sampled - Insufficient Water Volume							-
MW04	5/18/2022	Not Sampled - Insufficient Water Volume							-
MW04	9/6/2022	Not Sampled - Insufficient Water Volume							-
MW04	12/5/2022	Not Sampled - Insufficient Water Volume							-
MW05R	2/16/2022	Not sampled - 1.05' of LNAPL present							-
MW05R	5/18/2022	28	<1.0	68	1,100	380	53	150	-
MW05R	9/6/2022	13	<1.0	290	2600	900	120	500	-
MW05R	12/5/2022	1.3	<1.0	48	390	110	21	34	66.7
MW06R	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	2.36
MW06R	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	2.14
MW06R	9/6/2022	<1.0	<1.0	<1.0	<2.0	2.5	11	<1.0	3.83
MW06R	12/5/2022	72	<1.0	190	120	450	110	210	1,640
MW08	2/16/2022	4.7	<1.0	2.6	20	5	<1.0	2.0	-
MW08	5/18/2022	<1.0	<1.0	<1.0	20	12	<1.0	7.3	-
MW08	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW08	12/5/2022	Not Sampled- Insufficient Water Volume (Only LNAPL)							-
MW09	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW09	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW09	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW09	12/5/2022	<1.0	<1.0	7.3	56	35	6.5	29	-
MW10R	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	6.5	5.4	13.1
MW10R	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0
MW10R	9/6/2022	<1.0	<1.0	<1.0	<2.0	4.3	5.2	<1.0	4.11
MW10R	12/5/2022	<1.0	<1.0	1.1	13	13	3.8	6.8	15.0
MW12	2/16/2022	<10	<10	<10	<20	11	240	34	-
MW12	5/18/2022	Not Sampled due to Obstruction in Well Casing							-
MW12	9/6/2022	1.4	<1.0	<1.0	290	110	44	96	-
MW12	12/5/2022	Not Sampled due to Obstruction in Well Casing; Gauged Only							-
MW13	2/16/2022	<1.0	<1.0	<1.0	21	83	15	21	-
MW13	5/18/2022	<1.0	<1.0	<1.0	9.0	86	20	23	-
MW13	9/6/2022	<1.0	<1.0	<1.0	<2.0	11	2.3	6.5	-
MW13	12/5/2022	<1.0	<1.0	<1.0	4.6	37	<1.0	8.6	-
MW14	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW14	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW14	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW14	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-



**TABLE 2**  
**FOURTH QUARTER 2022**  
**GROUNDWATER ANALYTICAL DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)
<b>COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	<b>280 <sup>(2)</sup></b>
MW15	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW15	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW15	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW15	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW19R	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.496
MW19R	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.382
MW19R	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.408
MW19R	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200
MW20	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW20	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW20	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW20	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW21	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW21	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200
MW21	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200
MW21	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200
MW22	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW22	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW22	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-
MW22	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-

**Notes:**

1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 (Post January 15, 2021) of the COGCC 900 Series Rule for E&P Waste Management.

2). Colorado Department of Health and Environment (CDPHE) Regulation 41 Groundwater Standard

- = Not analyzed.

LNAPL - Light Non-Aqueous Phase Liquid

ug/L = Micrograms per liter

< = Analytical result is less than the indicated laboratory reporting limit.

**BOLD**= Analytical result is in exceedance of applicable COGCC or CDPHE groundwater standards.

Wells MW02, MW03, MW16, MW17, MW18 were removed from monitoring program with COGCC approval on 12/29/2016 (Document 2527515)

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)
GW01 <sup>(3)</sup>	1/15/2015	730	1,500	2,400	14,000	-	-	-	-	-	-	-
MW01	4/23/2015	<1.0	<1.0	<1.0	4.8	-	-	-	-	-	-	-
MW01	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	2/14/2017	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW01	6/9/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	8/31/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	11/29/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	2/28/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	5/15/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	8/1/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	11/30/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	2/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	5/21/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	8/26/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	11/7/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	2/27/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	5/13/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	8/12/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	11/23/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW01	3/10/2021	Not Sampled - Insufficient Water							-	-	-	-
MW01	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW01	8/3/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW01	11/2/2021	Not Sampled - Insufficient Water							-	-	-	-
MW01	2/16/2022	Not Sampled - Insufficient Water							-	-	-	-
MW01	5/18/2022	Not Sampled - Insufficient Water							-	-	-	-
MW01	9/6/2022	Not Sampled - Insufficient Water							-	-	-	-
MW01	12/5/2022	Not Sampled - Dry							-	-	-	-
MW02	4/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW02	2/14/2017	Well Removed from Monitoring Program							-	-	-	-
MW02	6/9/2017	Well Removed from Monitoring Program							-	-	-	-
MW02	8/31/2017	Well Removed from Monitoring Program							-	-	-	-
MW02	11/29/2017	Well Removed from Monitoring Program							-	-	-	-
MW02	2/28/2018	Well Removed from Monitoring Program							-	-	-	-
MW02	5/15/2018	Well Removed from Monitoring Program							-	-	-	-
MW02	8/1/2018	Well Removed from Monitoring Program							-	-	-	-
MW02	11/30/2018	Well Removed from Monitoring Program							-	-	-	-
MW03	4/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW03	2/14/2017	Well Removed from Monitoring Program							-	-	-	-
MW03	6/9/2017	Well Removed from Monitoring Program							-	-	-	-
MW03	8/31/2017	Well Removed from Monitoring Program							-	-	-	-

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (ug/l)	1,3,5- Trimethylbenzene (ug/l)	Naphthalene (ug/l)	Fluorene (ug/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
<b>COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	<b>280 <sup>(2)</sup></b>	<b>(&lt;1.25 x local background)</b>	<b>(250 mg/l or &lt;1.25 x local background)</b>	<b>(250 mg/l or &lt;1.25 x local background)</b>
MW03	11/29/2017	Well Removed from Monitoring Program							-	-	-	-
MW03	2/28/2018	Well Removed from Monitoring Program							-	-	-	-
MW03	5/15/2018	Well Removed from Monitoring Program							-	-	-	-
MW03	8/1/2018	Well Removed from Monitoring Program							-	-	-	-
MW03	11/30/2018	Well Removed from Monitoring Program							-	-	-	-
MW04	4/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW04	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW04	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW04	2/25/2016	<1.0	<1.0	1.8	<1.0	-	-	-	-	-	-	-
MW04	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW04	8/9/2016	<1.0	<1.0	7.1	5.5	-	-	-	-	-	-	-
MW04	11/29/2016	<1.0	<1.0	9.4	3.5	-	-	-	-	-	-	-
MW04	2/14/2017	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW04	6/9/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW04	8/31/2017	<1.0	<1.0	1.6	<2.0	-	-	-	-	-	-	-
MW04	11/29/2017	<1.0	<1.0	1.6	<2.0	-	-	-	-	-	-	-
MW04	2/28/2018	<1.0	<1.0	7.1	4.1	-	-	-	-	-	-	-
MW04	5/15/2018	<1.0	<1.0	8.4	6.1	-	-	-	-	-	-	-
MW04	8/1/2018	<1.0	<1.0	6.8	4.2	-	-	-	-	-	-	-
MW04	11/30/2018	<1.0	<1.0	4.8	5.3	-	-	-	-	-	-	-
MW04	2/28/2019	<1.0	<1.0	10.0	14.0	-	-	-	-	-	-	-
MW04	5/21/2019	<1.0	<1.0	3.5	3.3	-	-	-	-	-	-	-
MW04	8/26/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW04	11/7/2019	<1.0	<1.0	7.6	3.0	-	-	-	-	-	-	-
MW04	2/27/2020	<1.0	<1.0	6.9	2.6	-	-	-	-	-	-	-
MW04	5/13/2020	<1.0	<1.0	6.6	<2.0	-	-	-	-	-	-	-
MW04	8/12/2020	<1.0	<1.0	3.8	<2.0	-	-	-	-	-	-	-
MW04	11/23/2020	<1.0	<1.0	<1.0	2.6	-	-	-	-	-	-	-
MW04	3/10/2021	Not Sampled - Insufficient Water							-	-	-	-
MW04	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW04	8/3/2021	5.7	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW04	11/2/2021	Not Sampled - Insufficient Water Volume							-	-	-	-
MW04	2/16/2022	Not Sampled - Insufficient Water Volume							-	-	-	-
MW04	5/18/2022	Not Sampled - Insufficient Water Volume							-	-	-	-
MW04	9/6/2022	Not Sampled - Insufficient Water Volume							-	-	-	-
MW04	12/5/2022	Not Sampled - Insufficient Water Volume							-	-	-	-
MW05	4/23/2015	900	18	470	2,400	-	-	-	-	-	-	-
MW05	8/4/2015	280	<1.0	230	440	-	-	-	-	-	-	-
MW05	11/23/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW05	2/25/2016	90	<1.0	130	310	-	-	-	-	-	-	-
MW05	5/19/2016	93	<1.0	140	350	-	-	-	-	-	-	-
MW05	8/9/2016	130	<1.0	140	450	-	-	-	-	-	-	-
MW05	11/29/2016	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW05	2/14/2017	26	<1.0	<1.0	240	-	-	-	-	-	-	-
MW05	6/9/2017	<1.0	<1.0	<1.0	59	-	-	-	-	-	-	-
MW05	8/31/2017	55	<1.0	90	390	-	-	-	-	-	-	-
MW05	11/29/2017	140	1.6	57	1,400	-	-	-	-	-	-	-
MW05	2/28/2018	190	2.4	210	940	-	-	-	-	-	-	-
MW05	5/15/2018	77	1.1	200	1,100	-	-	-	-	-	-	-
MW05	8/1/2018	100	<1.0	110	250	-	-	-	-	-	-	-
MW05	11/30/2018	Not Sampled - DRY							-	-	-	-
MW05	2/28/2019	Not Sampled - DRY							-	-	-	-
MW05	5/21/2019	Not Sampled - DRY							-	-	-	-
MW05	8/28/2019	Not Sampled - Insufficient Water							-	-	-	-
MW05	11/7/2019	Not Sampled - DRY							-	-	-	-
MW05	2/27/2020	Not Sampled - DRY							-	-	-	-
MW05	5/13/2020	Not Sampled - DRY							-	-	-	-
MW05	8/12/2020	Not Sampled - DRY							-	-	-	-

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (ug/l)	1,3,5- Trimethylbenzene (ug/l)	Naphthalene (ug/l)	Fluorene (ug/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
<b>COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	<b>280 <sup>(2)</sup></b>	<b>&lt;1.25 x local background)</b>	<b>(250 mg/l or &lt;1.25 x local background)</b>	<b>(250 mg/l or &lt;1.25 x local background)</b>
MW05	11/23/2020	Not Sampled - DRY							-	-	-	-
MW05R	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW05R	6/8/2021	150	<1.0	320	1,600	380	81	160	-	-	-	-
MW05R	8/3/2021	140	<1.0	320	2,000	39	95	270	-	-	-	-
MW05R	11/2/2021	38	<1.0	140	2,400	680	240	280	370	-	-	-
MW05R	2/16/2022	Not sampled - 1.05' of LNAPL present							-	-	-	-
MW05R	5/18/2022	28	<1.0	68	1,100	380	53	150	-	-	-	-
MW05R	9/6/2022	13	<1.0	290	2600	900	120	500	-	-	-	-
MW05R	12/5/2022	1.3	<1.0	48	390	110	21	34	66.7	-	-	-
MW06	4/23/2015	2,100	2,700	500	3,300	-	-	-	-	-	-	-
MW06	8/4/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW06	11/23/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW06	2/25/2016	330	210	330	1,400	-	-	-	-	-	-	-
MW06	5/19/2016	740	830	350	1,500	-	-	-	-	-	-	-
MW06	8/9/2016	560	490	190	1,600	-	-	-	-	-	-	-
MW06	11/29/2016	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW06	2/14/2017	<1.0	<1.0	<1.0	280	-	-	-	-	-	-	-
MW06	6/9/2017	110	5.3	34	890	-	-	-	-	-	-	-
MW06	8/31/2017	93	1.3	31	350	-	-	-	-	-	-	-
MW06	11/29/2017	660	6.6	68	1,100	-	-	-	-	-	-	-
MW06	2/28/2018	250	<1.0	150	890	-	-	-	-	-	-	-
MW06	5/15/2018	44	<1.0	37	500	-	-	-	-	-	-	-
MW06	8/1/2018	100	1.0	41	250	-	-	-	-	-	-	-
MW06	11/30/2018	190	<1.0	16	66	-	-	-	-	-	-	-
MW06	2/28/2019	110	<1.0	8.7	28	-	-	-	-	-	-	-
MW06	5/21/2019	71	<1.0	9.5	65	-	-	-	-	-	-	-
MW06	8/26/2019	160	<1.0	58	300	-	-	-	-	-	-	-
MW06	11/7/2019	140	<1.0	22	93	-	-	-	-	-	-	-
MW06	2/27/2020	18	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW06	5/13/2020	110	<1.0	17	65	-	-	-	-	-	-	-
MW06	8/12/2020	Not Sampled - Obstruction @ 8.6 ft bgs							-	-	-	-
MW06	11/23/2020	Not Sampled - Obstruction @ 9.54 ft bgs							-	-	-	-
MW06R	3/10/2021	6.4	<1.0	2.2	91	47	27	38	-	562	15	52
MW06R	6/8/2021	<1.0	<1.0	1.8	7.2	10	1.6	20	-	-	-	-
MW06R	8/3/2021	12	<1.0	4.3	90	6.3	4.6	20	1.83	-	-	-
MW06R	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	3.45	-	-	-
MW06R	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	2.36	-	-	-
MW06R	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	2.14	-	-	-
MW06R	9/6/2022	<1.0	<1.0	<1.0	<2.0	2.5	11	<1.0	3.83	-	-	-
MW06R	12/5/2022	72	<1.0	190	120	450	110	210	1,640	-	-	-
MW07	4/23/2015	970	1,400	500	3,800	-	-	-	-	-	-	-
MW07	Destroyed	NA <sup>(3)</sup>	NA <sup>(3)</sup>	NA <sup>(3)</sup>	NA <sup>(3)</sup>	-	-	-	-	-	-	-
MW08	4/23/2015	5.4	1.0	18	140	-	-	-	-	-	-	-
MW08	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW08	11/23/2015	7.5	4.9	14	<1.0	-	-	-	-	-	-	-
MW08	2/25/2016	9.9	<1.0	12	8.2	-	-	-	-	-	-	-
MW08	5/19/2016	1.1	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW08	8/9/2016	2.0	<1.0	<1.0	3.8	-	-	-	-	-	-	-
MW08	11/29/2016	1.8	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW08	2/14/2017	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW08	6/9/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW08	8/31/2017	3.4	<1.0	1.2	<2.0	-	-	-	-	-	-	-
MW08	11/29/2017	12	<1.0	3.0	35	-	-	-	-	-	-	-
MW08	2/28/2018	4.7	<1.0	2.9	3.9	-	-	-	-	-	-	-
MW08	5/15/2018	56	<1.0	15.0	40	-	-	-	-	-	-	-
MW08	8/1/2018	18	<1.0	2.8	9.6	-	-	-	-	-	-	-

**TABLE 3**  
**HISTORICAL GROUNDWATER ANALYTICAL DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)
MW08	11/30/2018	74	<1.0	3.9	18	-	-	-	-	-	-	-
MW08	2/28/2019	23	<1.0	<1.0	2.0	-	-	-	-	-	-	-
MW08	5/21/2019	<1.0	<1.0	<1.0	2.0	-	-	-	-	-	-	-
MW08	8/26/2019	23	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW08	11/7/2019	22	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW08	2/27/2020	23	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW08	5/13/2020	24	<1.0	1.5	3.7	-	-	-	-	-	-	-
MW08	8/12/2020	49	<1.0	5.3	30	-	-	-	-	-	-	-
MW08	11/23/2020	16	<1.0	1.9	17	-	-	-	-	-	-	-
MW08	3/10/2021	23	<1.0	<1.0	220	62	12	11	-	-	-	-
MW08	6/8/2021	12	<1.0	11.0	120	36	5.8	6.0	-	-	-	-
MW08	8/3/2021	50	<1.0	36	240	10	16	59	-	-	-	-
MW08	11/2/2021	6.0	<1.0	1.1	48	25	1.1	<1.0	-	-	-	-
MW08	2/16/2022	4.7	<1.0	2.6	20	5	<1.0	2.0	-	-	-	-
MW08	5/18/2022	<1.0	<1.0	<1.0	20	12	<1.0	7.3	-	-	-	-
MW08	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW08	12/5/2022	Not Sampled- Insufficient Water Volume (Only LNAPL)							-	-	-	-
MW09	4/23/2015	130	<1.0	11	3.8	-	-	-	-	-	-	-
MW09	8/4/2015	17	<1.0	1.7	<1.0	-	-	-	-	-	-	-
MW09	11/23/2015	53	<1.0	4.4	<1.0	-	-	-	-	-	-	-
MW09	2/25/2016	21	<1.0	4.0	<1.0	-	-	-	-	-	-	-
MW09	5/19/2016	25	<1.0	4.2	<1.0	-	-	-	-	-	-	-
MW09	8/9/2016	120	<1.0	25	16	-	-	-	-	-	-	-
MW09	11/29/2016	200	<1.0	28	32	-	-	-	-	-	-	-
MW09	2/14/2017	69	<1.0	<1.0	29	-	-	-	-	-	-	-
MW09	6/9/2017	140	<1.0	23	40	-	-	-	-	-	-	-
MW09	8/31/2017	210	<1.0	61	210	-	-	-	-	-	-	-
MW09	11/29/2017	<1.0	<1.0	3.2	96	-	-	-	-	-	-	-
MW09	2/28/2018	150	<1.0	46	71	-	-	-	-	-	-	-
MW09	5/15/2018	210	<1.0	83	210	-	-	-	-	-	-	-
MW09	8/1/2018	130	<1.0	67	160	-	-	-	-	-	-	-
MW09	11/30/2018	26	<1.0	22	18	-	-	-	-	-	-	-
MW09	2/28/2019	31	<1.0	16	18	-	-	-	-	-	-	-
MW09	5/21/2019	87	<1.0	24	50	-	-	-	-	-	-	-
MW09	8/26/2019	72	<1.0	29	32	-	-	-	-	-	-	-
MW09	11/7/2019	16	<1.0	11	2.9	-	-	-	-	-	-	-
MW09	2/27/2020	27	<1.0	4.4	3.4	-	-	-	-	-	-	-
MW09	5/13/2020	25	<1.0	13	11	-	-	-	-	-	-	-
MW09	8/12/2020	12	<1.0	23	28	-	-	-	-	-	-	-
MW09	11/23/2020	4.8	<1.0	<1.0	39	-	-	-	-	-	-	-
MW09	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW09	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW09	8/3/2021	<1.0	<1.0	2.3	<2.0	5.2	<1.0	3.6	-	-	-	-
MW09	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW09	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW09	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW09	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW09	12/5/2022	<1.0	<1.0	7.3	56	35	6.5	29	-	-	-	-
MW10	4/23/2015	72	220	120	660	-	-	-	-	-	-	-
MW10	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW10	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW10	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW10	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW10	8/9/2016	Not Sampled - DRY							-	-	-	-
MW10	11/29/2016	Not Sampled - DRY							-	-	-	-
MW10	2/14/2017	Not Sampled - DRY							-	-	-	-
MW10	6/9/2017	Not Sampled - DRY							-	-	-	-
MW10	8/31/2017	Not Sampled - DRY							-	-	-	-

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	(<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local backgound)
MW10	11/29/2017	Not Sampled - DRY							-	-	-	-
MW10	2/28/2018	Not Sampled - DRY							-	-	-	-
MW10	5/15/2018	Not Sampled - DRY							-	-	-	-
MW10	8/1/2018	Not Sampled - DRY							-	-	-	-
MW10	11/30/2018	Not Sampled - DRY							-	-	-	-
MW10	2/28/2019	Not Sampled - DRY							-	-	-	-
MW10	8/26/2019	Not Sampled - DRY							-	-	-	-
MW10	11/7/2019	Not Sampled - DRY							-	-	-	-
MW10	2/27/2020	Not Sampled - DRY							-	-	-	-
MW10	5/13/2020	Not Sampled - DRY							-	-	-	-
MW10	8/12/2020	Not Sampled - DRY							-	-	-	-
MW10R	3/10/2021	2.4	<1.0	<1.0	230	9.1	55	39	-	495.0	16.0	93.0
MW10R	6/8/2021	2.5	<1.0	46	150	130	43	43	-	-	-	-
MW10R	8/3/2021	2.2	<1.0	64	210	19	60	81	9.13	-	-	-
MW10R	11/2/2021	<1.0	<1.0	34	86	78	27	34	17.1	-	-	-
MW10R	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	6.5	5.4	13.1	-	-	-
MW10R	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	-	-	-
MW10R	9/6/2022	<1.0	<1.0	<1.0	<2.0	4.3	5.2	<1.0	4.11	-	-	-
MW10R	12/5/2022	<1.0	<1.0	1.1	13	13	3.8	6.8	15.0	-	-	-
MW11	8/4/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW11	11/23/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW11	2/25/2016	470	380	350	2,100	-	-	-	-	-	-	-
MW11	5/19/2016	420	320	370	2,400	-	-	-	-	-	-	-
MW11	8/9/2016	18	4.6	17	400	-	-	-	-	-	-	-
MW11	11/29/2016	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW11	2/14/2017	140	24	57	790	-	-	-	-	-	-	-
MW11	6/9/2017	100	17	73	580	-	-	-	-	-	-	-
MW11	8/31/2017	120	29	91	740	-	-	-	-	-	-	-
MW11	11/29/2017	<1.0	<1.0	<1.0	570	-	-	-	-	-	-	-
MW11	2/28/2018	16	3.3	23	250	-	-	-	-	-	-	-
MW11	5/15/2018	12	4.8	25	280	-	-	-	-	-	-	-
MW11	8/1/2018	3.3	1.5	6.5	140	-	-	-	-	-	-	-
MW11	11/30/2018	1.9	<1.0	2.4	96	-	-	-	-	-	-	-
MW11	2/28/2019	1.4	<1.0	2.8	56	-	-	-	-	-	-	-
MW11	5/21/2019	1.8	1.5	4.5	100	-	-	-	-	-	-	-
MW11	8/26/2019	2.1	1.8	5.5	140	-	-	-	-	-	-	-
MW11	11/7/2019	<1.0	<1.0	2.1	22	-	-	-	-	-	-	-
MW11	2/27/2020	<1.0	<1.0	5.6	17	-	-	-	-	-	-	-
MW11	5/13/2020	2.0	<1.0	7.2	47	-	-	-	-	-	-	-
MW11	8/12/2020	Not Sampled - Could Not Locate							-	-	-	-
MW11	11/23/2020	Not Sampled - Could Not Locate							-	-	-	-
MW11	3/10/2021	Not Sampled - Could Not Locate							-	-	-	-
MW11	6/8/2021	Not Sampled - Could Not Locate							-	-	-	-
MW11	8/3/2021	Not Sampled - Well Destroyed							-	-	-	-
MW12	8/4/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW12	11/23/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW12	2/25/2016	160	36	120	310	-	-	-	-	-	-	-
MW12	5/19/2016	69	41	110	210	-	-	-	-	-	-	-
MW12	8/9/2016	230	1.3	120	440	-	-	-	-	-	-	-
MW12	11/29/2016	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW12	2/14/2017	62	<1.0	38	130	-	-	-	-	-	-	-
MW12	6/9/2017	18	<1.0	<1.0	70	-	-	-	-	-	-	-
MW12	8/31/2017	13	1.2	20	82	-	-	-	-	-	-	-
MW12	11/29/2017	26	5.3	2.6	710	-	-	-	-	-	-	-
MW12	2/28/2018	23	5.9	44	310	-	-	-	-	-	-	-
MW12	5/15/2018	13	1.9	17	140	-	-	-	-	-	-	-
MW12	8/1/2018	15	<1.0	19	160	-	-	-	-	-	-	-

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)
MW12	11/30/2018	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW12	2/28/2019	79	1.4	59	280	-	-	-	-	-	-	-
MW12	5/21/2019	5.4	<1.0	<1.0	660	-	-	-	-	-	-	-
MW12	8/26/2019	17	<1.0	22	490	-	-	-	-	-	-	-
MW12	11/7/2019	23	<1.0	25	290	-	-	-	-	-	-	-
MW12	2/27/2020	62	<1.0	30	87	-	-	-	-	-	-	-
MW12	5/13/2020	60	<1.0	15	190	-	-	-	-	-	-	-
MW12	8/12/2020	70	<1.0	7.2	110	-	-	-	-	-	-	-
MW12	11/23/2020	41	<1.0	<1.0	73	-	-	-	-	-	-	-
MW12	3/10/2021	<1.0	<1.0	<1.0	2.2	<1.0	7.4	5.8	-	-	-	-
MW12	6/8/2021	16	<1.0	1.3	25	20	5.8	12	-	-	-	-
MW12	8/3/2021	37	<1.0	1.3	52	8.9	7.7	25	-	-	-	-
MW12	11/2/2021	<1.0	<1.0	1.9	6.8	6.0	52	10	-	-	-	-
MW12	2/16/2022	<10	<10	<10	<20	11	240	34	-	-	-	-
MW12	5/18/2022	Not Sampled due to Obstruction in Well							-	-	-	-
MW12	9/6/2022	1.4	<1.0	<1.0	290	110	44	96	-	-	-	-
MW12	12/5/2022	Not Sampled due to Obstruction in Well Casing; Gauged Only							-	-	-	-
MW13	8/4/2015	470	91	77	1,500				-	-	-	-
MW13	11/23/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW13	2/25/2016	560	2.1	83	590	-	-	-	-	-	-	-
MW13	5/19/2016	1,100	1.8	270	1,500	-	-	-	-	-	-	-
MW13	8/9/2016	440	<1.0	<1.0	340	-	-	-	-	-	-	-
MW13	11/29/2016	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW13	2/14/2017	130	<1.0	14	600	-	-	-	-	-	-	-
MW13	6/9/2017	470	1.6	130	760	-	-	-	-	-	-	-
MW13	8/31/2017	190	<1.0	39	800	-	-	-	-	-	-	-
MW13	11/29/2017	190	<1.0	44	1,300	-	-	-	-	-	-	-
MW13	2/28/2018	130	<1.0	62	410	-	-	-	-	-	-	-
MW13	5/15/2018	57	<1.0	30	190	-	-	-	-	-	-	-
MW13	8/1/2018	20	<1.0	4.1	23	-	-	-	-	-	-	-
MW13	11/30/2018	42	<1.0	20	70	-	-	-	-	-	-	-
MW13	2/28/2019	19	<1.0	13	63	-	-	-	-	-	-	-
MW13	5/21/2019	15	<1.0	12	78	-	-	-	-	-	-	-
MW13	8/26/2019	14	<1.0	5.8	42	-	-	-	-	-	-	-
MW13	11/7/2019	28	<1.0	20	57	-	-	-	-	-	-	-
MW13	2/27/2020	63	<1.0	34	98	-	-	-	-	-	-	-
MW13	5/13/2020	30	<1.0	24	94	-	-	-	-	-	-	-
MW13	8/12/2020	34	<1.0	11	95	-	-	-	-	-	-	-
MW13	11/23/2020	<1.0	<1.0	<1.0	4.6	-	-	-	-	-	-	-
MW13	3/10/2021	<1.0	<1.0	<1.0	21	38	27	13	-	-	-	-
MW13	6/8/2021	15	<1.0	3.2	40	74	20	22	-	-	-	-
MW13	8/3/2021	27	<1.0	5	69	8.1	30	44	-	-	-	-
MW13	11/2/2021	<1.0	<1.0	<1.0	23	56	9.0	<1.0	-	-	-	-
MW13	2/16/2022	<1.0	<1.0	<1.0	21	83	15	21	-	-	-	-
MW13	5/18/2022	<1.0	<1.0	<1.0	9.0	86	20	23	-	-	-	-
MW13	9/6/2022	<1.0	<1.0	<1.0	<2.0	11	2.3	6.5	-	-	-	-
MW13	12/5/2022	<1.0	<1.0	<1.0	4.6	37	<1.0	8.6	-	-	-	-
MW14	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW14	11/23/2015	<1.0	2.9	<1.0	<1.0	-	-	-	-	-	-	-
MW14	2/25/2016	12	<1.0	16	15	-	-	-	-	-	-	-
MW14	5/19/2016	3.6	<1.0	6.5	<1.0	-	-	-	-	-	-	-
MW14	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW14	11/29/2016	<1.0	<1.0	1.7	<1.0	-	-	-	-	-	-	-
MW14	2/14/2017	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW14	6/9/2017	<1.0	<1.0	4.3	5.8	-	-	-	-	-	-	-
MW14	8/31/2017	4.0	<1.0	1.2	<2.0	-	-	-	-	-	-	-
MW14	11/29/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	2/28/2018	3.1	<1.0	2.4	<2.0	-	-	-	-	-	-	-

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)
MW14	5/15/2018	3.4	<1.0	7.5	7	-	-	-	-	-	-	-
MW14	8/1/2018	<1.0	<1.0	7.0	7.4	-	-	-	-	-	-	-
MW14	11/30/2018	5.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	2/28/2019	2.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	5/21/2019	<1.0	<1.0	<1.0	3.2	-	-	-	-	-	-	-
MW14	8/26/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	11/7/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	2/27/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	5/13/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	8/12/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	11/23/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW14	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	8/3/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW14	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW15	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW15	11/23/2015	Not Sampled - 0.01 ft of LNAPL Present							-	-	-	-
MW15	2/25/2016	970	1.4	140	810	-	-	-	-	-	-	-
MW15	5/19/2016	1,100	<1.0	150	940	-	-	-	-	-	-	-
MW15	8/9/2016	370	1.7	89	420	-	-	-	-	-	-	-
MW15	11/29/2016	770	<1.0	89	440	-	-	-	-	-	-	-
MW15	2/14/2017	<1.0	<1.0	2.0	1	-	-	-	-	-	-	-
MW15	6/9/2017	120	<1.0	<1.0	350	-	-	-	-	-	-	-
MW15	8/31/2017	710	4.4	130	950	-	-	-	-	-	-	-
MW15	11/29/2017	410	3.6	23	710	-	-	-	-	-	-	-
MW15	2/28/2018	170	<1.0	40	320	-	-	-	-	-	-	-
MW15	5/15/2018	51	<1.0	9	29	-	-	-	-	-	-	-
MW15	8/1/2018	91	<1.0	19	50	-	-	-	-	-	-	-
MW15	11/30/2018	110	<1.0	36	170	-	-	-	-	-	-	-
MW15	2/28/2019	37	<1.0	23	56	-	-	-	-	-	-	-
MW15	5/21/2019	40	<1.0	<1.0	43	-	-	-	-	-	-	-
MW15	8/26/2019	200	<1.0	110	290	-	-	-	-	-	-	-
MW15	11/7/2019	200	<1.0	86	300	-	-	-	-	-	-	-
MW15	2/27/2020	17	<1.0	3.2	5.2	-	-	-	-	-	-	-
MW15	5/13/2020	69	<1.0	4.8	59	-	-	-	-	-	-	-
MW15	8/12/2020	32	<1.0	1.6	11	-	-	-	-	-	-	-
MW15	11/23/2020	4.2	<1.0	<1.0	15	-	-	-	-	-	-	-
MW15	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW15	6/8/2021	9.7	<1.0	<1.0	2.8	7.4	<1.0	3.4	-	-	-	-
MW15	8/3/2021	5.0	<1.0	<1.0	<2.0	1.2	<1.0	2.4	-	-	-	-
MW15	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW15	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW15	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW15	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW15	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW16	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW16	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW16	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW16	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW16	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW16	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW16	2/14/2017	Well Removed from Monitoring Program							-	-	-	-
MW16	6/9/2017	Well Removed from Monitoring Program							-	-	-	-
MW16	8/31/2017	Well Removed from Monitoring Program							-	-	-	-



**TABLE 3**  
**HISTORICAL GROUNDWATER ANALYTICAL DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)
MW16	11/29/2017	Well Removed from Monitoring Program							-	-	-	-
MW16	2/28/2018	Well Removed from Monitoring Program							-	-	-	-
MW16	5/15/2018	Well Removed from Monitoring Program							-	-	-	-
MW16	8/1/2018	Well Removed from Monitoring Program							-	-	-	-
MW16	11/30/2018	Well Removed from Monitoring Program							-	-	-	-
MW17	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW17	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW17	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW17	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW17	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW17	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW17	2/14/2017	Well Removed from Monitoring Program							-	-	-	-
MW17	6/9/2017	Well Removed from Monitoring Program							-	-	-	-
MW17	8/31/2017	Well Removed from Monitoring Program							-	-	-	-
MW17	11/29/2017	Well Removed from Monitoring Program							-	-	-	-
MW17	2/28/2018	Well Removed from Monitoring Program							-	-	-	-
MW17	5/15/2018	Well Removed from Monitoring Program							-	-	-	-
MW17	8/1/2018	Well Removed from Monitoring Program							-	-	-	-
MW17	11/30/2018	Well Removed from Monitoring Program							-	-	-	-
MW18	8/4/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW18	11/23/2015	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW18	2/25/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW18	5/19/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW18	8/9/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW18	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW18	2/14/2017	Well Removed from Monitoring Program							-	-	-	-
MW18	6/9/2017	Well Removed from Monitoring Program							-	-	-	-
MW18	8/31/2017	Well Removed from Monitoring Program							-	-	-	-
MW18	11/29/2017	Well Removed from Monitoring Program							-	-	-	-
MW18	2/28/2018	Well Removed from Monitoring Program							-	-	-	-
MW18	5/15/2018	Well Removed from Monitoring Program							-	-	-	-
MW18	8/1/2018	Well Removed from Monitoring Program							-	-	-	-
MW18	11/30/2018	Well Removed from Monitoring Program							-	-	-	-
MW19	11/29/2016	510	1.2	190	440	-	-	-	-	-	-	-
MW19	2/14/2017	280	<1.0	1.6	590	-	-	-	-	-	-	-
MW19	6/9/2017	85	<1.0	77	120	-	-	-	-	-	-	-
MW19	8/31/2017	52	<1.0	56	230	-	-	-	-	-	-	-
MW19	11/29/2017	62	<1.0	<1.0	130	-	-	-	-	-	-	-
MW19	2/28/2018	92	<1.0	120	270	-	-	-	-	-	-	-
MW19	5/15/2018	13	<1.0	<1.0	190	-	-	-	-	-	-	-
MW19	8/1/2018	170	<1.0	160	430	-	-	-	-	-	-	-
MW19	11/30/2018	70	<1.0	75	130	-	-	-	-	-	-	-
MW19	2/28/2019	18	<1.0	26	28	-	-	-	-	-	-	-
MW19	5/21/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW19	8/28/2019	92	<1.0	80	370	-	-	-	-	-	-	-
MW19	11/7/2019	47	<1.0	19	69	-	-	-	-	-	-	-
MW19	2/27/2020	19	<1.0	3.8	6.3	-	-	-	-	-	-	-
MW19	5/13/2020	19	<1.0	4.4	8.7	-	-	-	-	-	-	-
MW19	8/12/2020	Not Sampled - Could Not Locate							-	-	-	-
MW19	11/23/2020	Not Sampled - Could Not Locate							-	-	-	-
MW19	11/23/2020	Not Sampled - Could Not Locate							-	-	-	-
MW19R	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW19R	6/8/2021	1.3	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW19R	8/3/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW19R	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1.38	-	-	-
MW19R	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.496	-	-	-
MW19R	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.382	-	-	-

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL DATA  
FOUNDATION ENERGY  
SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
<b>COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup></b>		<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	<b>280 <sup>(2)</sup></b>	<b>&lt;1.25 x local background)</b>	<b>(250 mg/l or &lt;1.25 x local background)</b>	<b>(250 mg/l or &lt;1.25 x local background)</b>
MW19R	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	0.408	-	-	-
MW19R	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200	-	-	-
MW20	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW20	2/14/2017	<1.0	<1.0	4.0	180	-	-	-	-	-	-	-
MW20	6/9/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	8/31/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	11/29/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	2/28/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	5/15/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	8/1/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	11/30/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	2/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	5/21/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	8/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	11/7/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	2/27/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	5/13/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW20	8/12/2020	Not Sampled - Obstruction @ 2.7 ft bgs							-	-	-	-
MW20	11/23/2020	Not Sampled - Obstruction @ 2.7 ft bgs							-	-	-	-
MW20	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	8/3/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW20	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW21	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW21	2/14/2017	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW21	6/9/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	8/31/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	11/29/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	2/28/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	5/15/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	8/1/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	11/30/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	2/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	5/21/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	8/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	11/7/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	2/27/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	5/13/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	8/12/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	11/23/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW21	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	558	15	342
MW21	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW21	8/3/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW21	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW21	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW21	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200	-	-	-
MW21	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200	-	-	-
MW21	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.200	-	-	-
MW22	11/29/2016	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW22	2/14/2017	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-
MW22	6/9/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	8/31/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	11/29/2017	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-

**TABLE 3**  
**HISTORICAL GROUNDWATER ANALYTICAL DATA**  
**FOUNDATION ENERGY**  
**SOONER 13-16**

Well ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	1,2,4- Trimethylbenzene (µg/l)	1,3,5- Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Fluorene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)
COGCC Table 915-1 Groundwater Standard (ug/L) <sup>(1&amp;2)</sup>		5	560	700	1,400	67	67	140	280 <sup>(2)</sup>	<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)
MW22	2/28/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	5/15/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	8/1/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	11/30/2018	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	2/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	5/21/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	8/28/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	11/7/2019	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	2/27/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	5/13/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	8/12/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	11/23/2020	<1.0	<1.0	<1.0	<2.0	-	-	-	-	-	-	-
MW22	3/10/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	6/8/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	8/3/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	11/2/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	2/16/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	5/18/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	9/6/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-
MW22	12/5/2022	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-	-

**Notes:**

1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 910-1 (Prior to January 15th, 2021) and Table 915-1 (Post January 15, 2021) of the COGCC 900 Series Rule for E&P Waste Management.

2). Colorado Department of Health and Environment (CDPHE) Regulation 41 Groundwater Standard

3). GW01 sample collected within excavation.

NA or "-" = Not analyzed

LNAPL - Light Non-Aqueous Phase Liquid

ug/L = Micrograms per liter

< = Analytical result is less than the indicated laboratory reporting limit.

**BOLD**= Analytical result is in exceedance of applicable COGCC or CDPHE groundwater standards.

Wells MW02, MW03, MW16, MW17, MW18 were removed from monitoring program with COGCC approval on 12/29/2016 (Document 2527515)

**TABLE 4**  
**SITE SPECIFIC GROUNDWATER SAMPLING AND ANALYSIS PLAN**  
**FOUNDATION ENERGY - SOONER 13-16**

Site Specific Constituent of Concern for Groundwater Analysis	COGCC Table 915-1 Groundwater Standards <sup>(1 &amp;2)</sup>
Benzene (µg/kg)	5
Toluene (µg/L)	560
Ethylbenzene (µg/L)	700
Total Xylenes (µg/L)	1400
1,2,4 Trimethylbenzene (µg/L)	67
1,3,5 Trimethylbenzene (µg/L)	67
Naphthalene (µg/L)	140
Fluorene (µg/L) <sup>(2)</sup>	280

1). Standards for groundwater (except fluorene) are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.

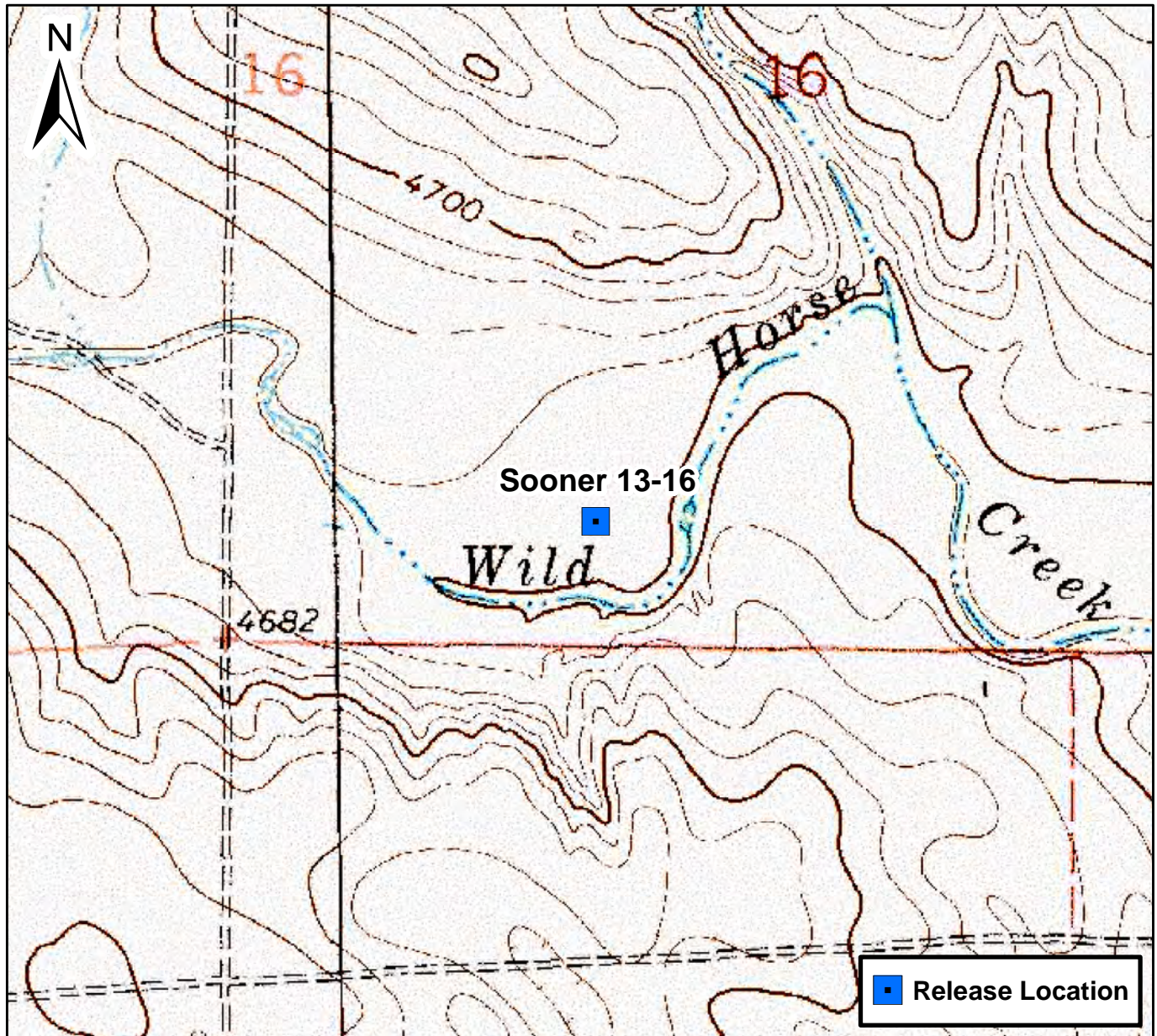
2). Fluorene standard references regulation from Colorado Department of Health and Environment (CDPHE) Regulation 41 Groundwater Standard

µg/L - micrograms per liter

**TABLE 5**  
**SUMMARY OF ENHANCED FLUID EXTRACTION - SOONER 13-16**  
**WELD COUNTY, COLORADO**  
**FOURTH QUARTER 2022**

Location	Date	EFR Locations	EFR Duration/Time	Flow (gpm)	Vacuum (PSI)	Total Extracted Volume (bbl)	Pre-EFR			During EFR	Post-EFR			Total Depth (feet)	Comments
							Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)		Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)		
MW-01	10/18/2022	MW-05R	3 hours 6:30 - 9:30	0.35	-148.9	3	NR	-	-	NR	NR	-	-	13.81	
MW-04							NR	-	-	NR	NR	-	-	14.94	
MW-05R							NR	-	-	NR	NR	-	-	19.50	
MW-06R							NR	-	-	NR	NR	-	-	20.15	
MW-12		MW-12	3 hours 9:30 - 12:30		-150.8		NR	-	-	NR	NR	-	-	15.80	
MW-13							NR	-	-	NR	NR	-	-	16.33	
MW-15							NR	-	-	NR	NR	-	-	15.68	
MW-19R							NR	-	-	NR	NR	-	-	18.95	
MW-01	11/1/2022	MW-05R	3 hours 6:30 - 9:30	0.23	-145.7	2	DRY	-	-	DRY	DRY	-	-	13.81	
MW-04							14.90	-	-	14.90	14.91	-	-	14.94	
MW-05R							14.62	14.06	0.56	14.60	14.61	-	-	19.50	No detectable product post EFR
MW-06R							13.91	13.39	0.52	13.90	13.90	13.39	0.51	20.15	
MW-12		MW-12	3 hours 9:30 - 12:30		-148.2		15.18	13.86	1.32	15.19	15.18	-	-	15.80	No detectable product post EFR
MW-13							14.16	-	-	14.16	14.16	-	-	16.33	
MW-15							14.13	-	-	14.14	14.13	-	-	15.68	
MW-19R							12.89	-	-	12.89	12.89	-	-	18.95	
MW-01	11/16/2022	MW-05R	3 hours 9:00 - 12:00	0.23	-149.8	2	DRY	-	-	DRY	DRY	-	-	13.81	
MW-04							14.85	-	-	14.86	14.87	-	-	14.94	
MW-05R							14.60	14.12	0.48	14.59	14.62	-	-	19.50	No detectable product post EFR
MW-06R							13.89	13.18	0.71	13.89	13.90	13.19	0.71	20.15	
MW-12		MW-12	3 hours 12:00 - 15:00		-150.2		15.10	14.16	0.94	15.10	15.13	-	-	15.80	No detectable product post EFR
MW-13							14.15	-	-	14.15	14.16	-	-	16.33	
MW-15							14.10	-	-	14.09	14.12	-	-	15.68	
MW-19R							12.80	-	-	12.82	12.81	-	-	18.95	
MW-01	11/29/2022	MW-05R	3 hours 11:00 - 14:00	0.23	-151.3	2	DRY	-	-	DRY	DRY	-	-	13.81	
MW-04							14.90	-	-	14.90	14.91	-	-	14.94	
MW-05R							14.45	14.12	0.33	14.48	14.49	-	-	19.50	No detectable product post EFR
MW-06R							14.22	13.30	0.92	14.22	14.23	13.30	0.93	20.15	
MW-12		MW-12	3 hours 14:00 - 17:00		-150.9		15.08	14.91	0.17	15.08	15.09	-	-	15.80	No detectable product post EFR
MW-13							14.20	-	-	14.21	14.20	-	-	16.33	
MW-15							14.16	-	-	14.15	14.15	-	-	15.68	
MW-19R							12.83	-	-	12.83	12.83	-	-	18.95	

Notes:  
bbl = barrel  
1 bbl = 42 gallons  
gpm = gallons per minute  
EFR = Enhanced fluid recovery  
NR = Not recorded



0 750 1,500 Feet

## Figure 1

Site Location Map

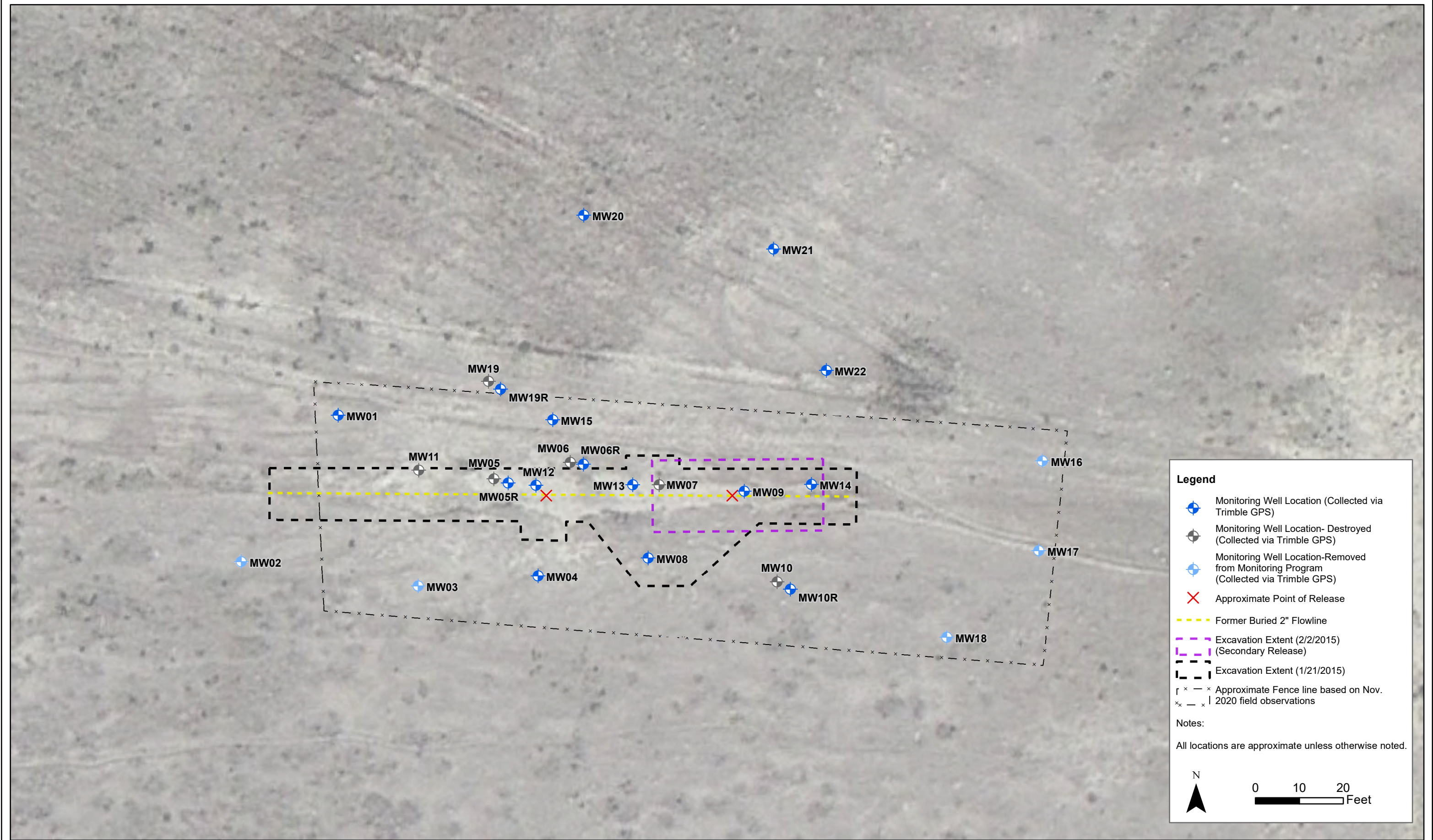
Sooner 13-16

SESW Sec. 16-T8N-R58W

Weld County, Colorado







DATE:	September 2021
DESIGNED BY:	J. Watts
DRAWN BY:	J. Clonts

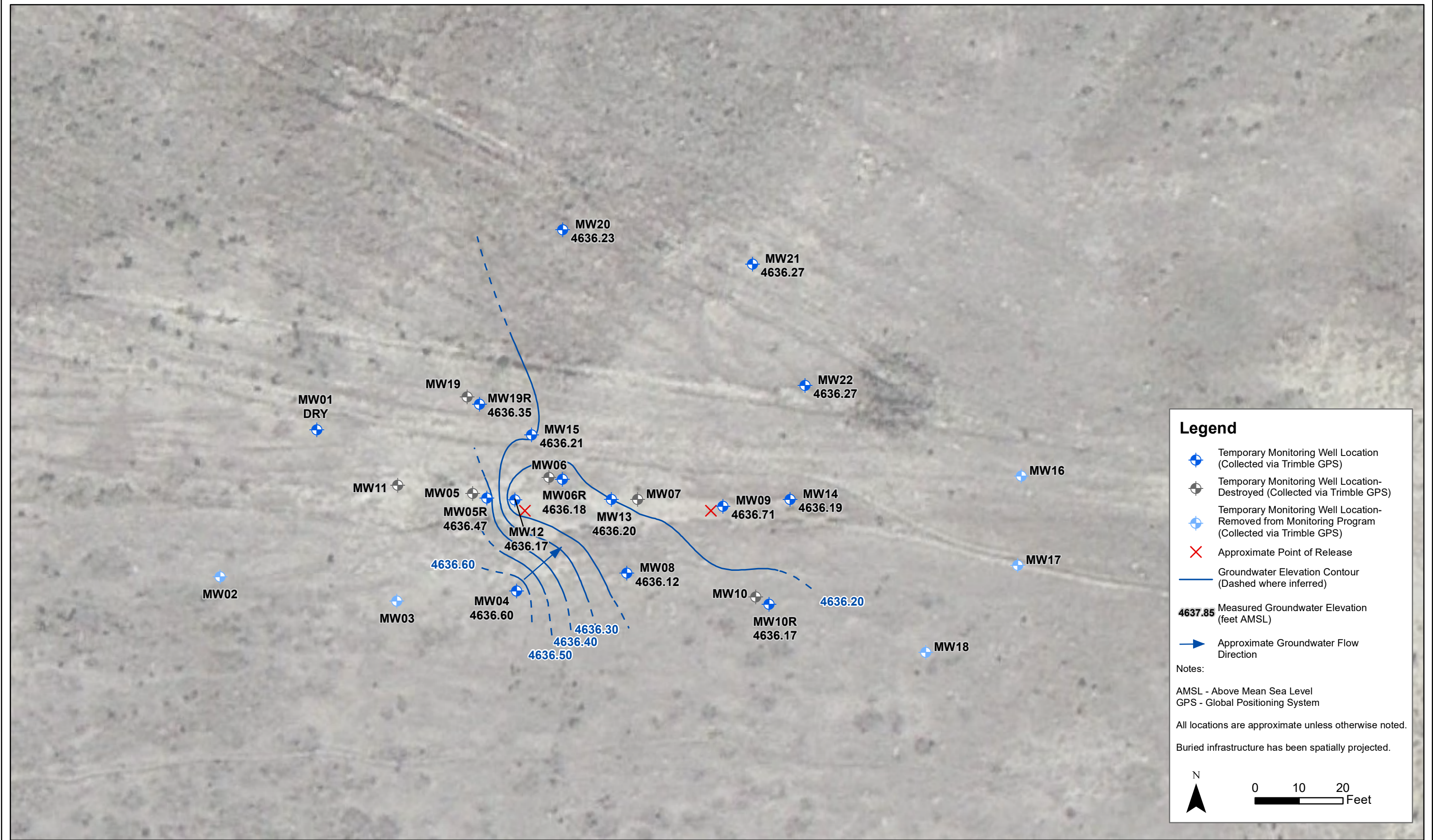
 **TASMAN** Tasman Geosciences, Inc.  
6855 W. 119th Avenue  
Broomfield, Colorado 80020

**Foundation Energy Inc.**  
**Sooner 13-16 Flowline Release**  
SESW, Section 16, Township 8 North, Range 58 West  
Weld County, Colorado

Site Map with Monitoring  
Well Location

Figure  
2









# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

December 12, 2022

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

Broomfield, CO 80020

RE: Sooner 13-16

Work Order #2212088

Enclosed are the results of analyses for samples received by Summit Scientific on 12/05/22 17:36. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury  
President



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW05R	2212088-01	Water	12/05/22 11:31	12/05/22 17:36
MW06R	2212088-02	Water	12/05/22 11:48	12/05/22 17:36
MW09	2212088-03	Water	12/05/22 12:20	12/05/22 17:36
MW10R	2212088-04	Water	12/05/22 12:06	12/05/22 17:36
MW13	2212088-05	Water	12/05/22 12:54	12/05/22 17:36
MW14	2212088-06	Water	12/05/22 13:07	12/05/22 17:36
MW15	2212088-07	Water	12/05/22 13:23	12/05/22 17:36
MW19R	2212088-08	Water	12/05/22 12:42	12/05/22 17:36
MW20	2212088-09	Water	12/05/22 13:16	12/05/22 17:36
MW21	2212088-10	Water	12/05/22 13:00	12/05/22 17:36
MW22	2212088-11	Water	12/05/22 12:35	12/05/22 17:36

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 2212088.1

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

Page 1 of 2

Client: Tasman/Foundation  
Address: 6855 W 119th Ave  
City/State/Zip: Broomfield, CO 80020  
Phone: 210-246-2292 Fax:   
Sampler Name: Ty Galloway/Brian Gabel

Project Manager: Jeb Watts/Alyssa Beard  
E-Mail: J.watts@tasman-geo.com / A.beard@foundationenergymanagement.com  
Project Name: Sooner 13-16  
Project Number:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:										Special Instructions
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	915-1 Organics	Fluorene									
MW05R	12-5-22	1131	4			X		X				X	X									
MW06R		1148	4			X		X				X	X									
MW09		1220	3			X		X				X										
MW10R		1206	4			X		X				X	X									
MW13		1254	3			X		X				X										
MW14		1307	3			X		X				X										
MW15		1323	3			X		X				X										
MW19R		1242	4			X		X				X	X									
MW20		1316	3			X		X				X										

Relinquished by: <u>[Signature]</u>	Date/Time: <u>12-5-22</u> <u>1730</u>	Received by: <u>Tasman lockbox</u>	Date/Time: <u>12-5-22</u> <u>1730</u>	<b>Turn Around Time (Check)</b> 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"/>  <b>Sample Integrity:</b> Temperature Upon Receipt: <u>8.1</u> Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>	Notes:
Relinquished by: <u>Tasman lockbox</u>	Date/Time: <u>12-5-22</u> <u>1730</u>	Received by: <u>[Signature]</u>	Date/Time: <u>12-5-22</u> <u>1730</u>		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:		

2212088.2

Page 2 of 2

Project Manager: Job Watts / Alyssa Beard  
E-Mail: J.watts@tsmanager.com / ABeard@foundationenergymanagement.com  
Project Name: Snorer 13-16  
Project Number: \_\_\_\_\_

[illegible]



S<sub>2</sub>

2/2

## Sample Receipt Checklist

S2 Work Order# 2212088

Client: Tasman Foundation Client Project ID: Scanner 13-16Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐
☐ ☐ ☐ ☐ ☐
Matrix (Check all that apply) Air ☐ Soil/Solid ☐ Water ☒ Other ☐Temp (°C) 8.1Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? <sup>(1)</sup> <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ICE
If custody seals are present, are they intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Custodian Printed Name

Date/Time

12-5-22 1736



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW05R**  
**2212088-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 11:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>1.3</b>	1.0	ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>48</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>390</b>	2.0	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>34</b>	1.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>110</b>	1.0	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>21</b>	1.0	"	"	"	"	"	"	

Date Sampled: **12/05/22 11:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.5	102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.3	99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.6	102 %	21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/05/22 11:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Fluorene</b>	<b>66.7</b>	2.00	ug/l	10	BFL0178	12/07/22	12/08/22	EPA 8270D SIM	R-01

Date Sampled: **12/05/22 11:31**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.00	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.00	%	40-150		"	"	"	"	S-01

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW06R**  
**2212088-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 11:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>72</b>	1.0	ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>190</b>	1.0	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>120</b>	2.0	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>210</b>	1.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>450</b>	1.0	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>110</b>	1.0	"	"	"	"	"	"	

Date Sampled: **12/05/22 11:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	14.2	106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.4	100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.6	110 %	21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/05/22 11:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Fluorene</b>	<b>1640</b>	200	ug/l	1000	BFL0178	12/07/22	12/08/22	EPA 8270D SIM	R-01

Date Sampled: **12/05/22 11:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.00	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.00	%	40-150		"	"	"	"	S-01

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.





Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW09**  
**2212088-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>7.3</b>	1.0		"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>56</b>	2.0		"	"	"	"	"	"	
<b>Naphthalene</b>	<b>29</b>	1.0		"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>35</b>	1.0		"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>6.5</b>	1.0		"	"	"	"	"	"	

Date Sampled: **12/05/22 12:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.2	98.6 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.1 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.5	101 %		21-167		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW10R**  
**2212088-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	1.1	1.0	"	"	"	"	"	"	
Xylenes (total)	13	2.0	"	"	"	"	"	"	
Naphthalene	6.8	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	13	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	3.8	1.0	"	"	"	"	"	"	

Date Sampled: **12/05/22 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	13.3	99.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.2	99.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.9	104 %	21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/05/22 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Fluorene	15.0	0.200	ug/l	1	BFL0178	12/07/22	12/08/22	EPA 8270D SIM	E

Date Sampled: **12/05/22 12:06**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	2.09	104 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.01	50.6 %	40-150		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW13**  
**2212088-05 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 12:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>4.6</b>	2.0		"	"	"	"	"	"	
<b>Naphthalene</b>	<b>8.6</b>	1.0		"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>37</b>	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **12/05/22 12:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.4	101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.2	98.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.1	105 %		21-167		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW14**  
**2212088-06 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 13:07**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **12/05/22 13:07**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.1	98.6 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.4 %		21-167		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW15**  
**2212088-07 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 13:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **12/05/22 13:23**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.3	99.8 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.0 %		21-167		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW19R**  
**2212088-08 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **12/05/22 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.3	100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.4 %	21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/05/22 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.200	ug/l	1	BFL0178	12/07/22	12/08/22	EPA 8270D SIM	

Date Sampled: **12/05/22 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.58	79.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.02	51.2 %	40-150		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW20**  
**2212088-09 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 13:16**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	ND	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **12/05/22 13:16**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.4	100 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	13.1	98.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.0	97.7 %		21-167		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW21**  
**2212088-10 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **12/05/22 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.4	100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.4	100 %	21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/05/22 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Fluorene	ND	0.200	ug/l	1	BFL0178	12/07/22	12/08/22	EPA 8270D SIM	

Date Sampled: **12/05/22 13:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 2-Methylnaphthalene-d10	1.35	67.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.992	49.6 %	40-150		"	"	"	"	

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.





Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**MW22**  
**2212088-11 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/05/22 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BFL0151	12/06/22	12/11/22	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **12/05/22 12:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	13.6	102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	13.0	97.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.3	100 %	21-167		"	"	"	"	

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

## 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 BFL0151 - EPA 5030 Water MS

##### Blank (BFL0151-BLK1)

Prepared: 12/06/22 Analyzed: 12/11/22

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		99.8	23-173			
Surrogate: Toluene-d8	13.0		"	13.3		97.3	20-170			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.0	21-167			

##### LCS (BFL0151-BS1)

Prepared: 12/06/22 Analyzed: 12/11/22

Benzene	45.2	1.0	ug/l	41.7		109	51-132			
Toluene	42.8	1.0	"	41.7		103	51-138			
Ethylbenzene	45.1	1.0	"	41.7		108	58-146			
m,p-Xylene	89.6	2.0	"	83.3		107	57-144			
o-Xylene	43.0	1.0	"	41.7		103	53-146			
Naphthalene	41.0	1.0	"	41.7		98.3	70-130			
1,2,4-Trimethylbenzene	46.9	1.0	"	41.7		113	70-130			
1,3,5-Trimethylbenzene	48.2	1.0	"	41.7		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.3	23-173			
Surrogate: Toluene-d8	13.0		"	13.3		97.7	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.8	21-167			

##### Matrix Spike (BFL0151-MS1)

Source: 2212066-01

Prepared: 12/06/22 Analyzed: 12/11/22

Benzene	44.7	1.0	ug/l	41.7	ND	107	34-141			
Toluene	42.1	1.0	"	41.7	ND	101	27-151			
Ethylbenzene	44.4	1.0	"	41.7	ND	107	29-160			
m,p-Xylene	87.6	2.0	"	83.3	ND	105	20-166			
o-Xylene	42.9	1.0	"	41.7	ND	103	33-159			
Naphthalene	43.1	1.0	"	41.7	ND	103	70-130			
1,2,4-Trimethylbenzene	45.8	1.0	"	41.7	ND	110	70-130			
1,3,5-Trimethylbenzene	48.7	1.0	"	41.7	ND	117	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		101	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		99.1	20-170			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.6	21-167			

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

**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 BFL0151 - EPA 5030 Water MS**

Matrix Spike Dup (BFL0151-MSD1)		Source: 2212066-01			Prepared: 12/06/22 Analyzed: 12/11/22					
Benzene	44.8	1.0	ug/l	41.7	ND	107	34-141	0.134	30	
Toluene	41.8	1.0	"	41.7	ND	100	27-151	0.501	30	
Ethylbenzene	44.4	1.0	"	41.7	ND	107	29-160	0.00	30	
m,p-Xylene	88.2	2.0	"	83.3	ND	106	20-166	0.716	30	
o-Xylene	43.0	1.0	"	41.7	ND	103	33-159	0.256	30	
Naphthalene	46.4	1.0	"	41.7	ND	111	70-130	7.31	30	
1,2,4-Trimethylbenzene	46.2	1.0	"	41.7	ND	111	70-130	0.783	30	
1,3,5-Trimethylbenzene	48.9	1.0	"	41.7	ND	117	70-130	0.471	30	
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		103	23-173			
Surrogate: Toluene-d8	13.1		"	13.3		98.4	20-170			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	21-167			

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.*



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BFL0178 - EPA 5030 Water MS

##### Blank (BFL0178-BLK1)

Prepared: 12/07/22 Analyzed: 12/08/22

Acenaphthene	ND	0.500	ug/l							
Acenaphthylene	ND	0.200	"							
Anthracene	ND	0.200	"							
Benzo (a) anthracene	ND	0.100	"							
Benzo (b) fluoranthene	ND	0.200	"							
Benzo (k) fluoranthene	ND	0.200	"							
Benzo (g,h,i) perylene	ND	0.200	"							
Benzo (a) pyrene	ND	0.200	"							
Chrysene	ND	0.200	"							
Dibenz (a,h) anthracene	ND	0.200	"							
Fluoranthene	ND	2.00	"							
Fluorene	ND	0.200	"							
Indeno (1,2,3-cd) pyrene	ND	0.300	"							
Phenanthrene	ND	0.500	"							
Pyrene	ND	1.00	"							
1-Methylnaphthalene	ND	0.500	"							
2-Methylnaphthalene	ND	0.500	"							
Surrogate: 2-Methylnaphthalene-d10	1.64		"	2.00		82.2	40-150			
Surrogate: Fluoranthene-d10	1.49		"	2.00		74.6	40-150			

##### LCS (BFL0178-BS1)

Prepared: 12/07/22 Analyzed: 12/08/22

Acenaphthene	2.14	0.500	ug/l	2.00		107	30-120			
Acenaphthylene	2.07	0.200	"	2.00		103	30-120			
Anthracene	1.82	0.200	"	2.00		91.0	30-120			
Benzo (a) anthracene	1.63	0.100	"	2.00		81.6	30-120			
Benzo (b) fluoranthene	2.08	0.200	"	2.00		104	30-120			
Benzo (k) fluoranthene	2.14	0.200	"	2.00		107	30-120			
Benzo (g,h,i) perylene	1.40	0.200	"	2.00		70.1	30-120			
Benzo (a) pyrene	1.69	0.200	"	2.00		84.4	30-120			
Chrysene	1.68	0.200	"	2.00		84.1	30-120			
Dibenz (a,h) anthracene	1.63	0.200	"	2.00		81.3	30-120			
Fluoranthene	1.87	2.00	"	2.00		93.7	30-120			
Fluorene	2.03	0.200	"	2.00		101	30-120			
Indeno (1,2,3-cd) pyrene	1.45	0.300	"	2.00		72.4	30-120			
Phenanthrene	1.84	0.500	"	2.00		91.8	30-120			
Pyrene	1.76	1.00	"	2.00		88.1	30-120			
1-Methylnaphthalene	1.63	0.500	"	2.00		81.6	30-120			
2-Methylnaphthalene	2.13	0.500	"	2.00		106	0-200			

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

## PAH by EPA Method 8270D SIM - Quality Control

### Summit Scientific

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

#### Batch BFL0178 - EPA 5030 Water MS

##### LCS (BFL0178-BS1)

Prepared: 12/07/22 Analyzed: 12/08/22

Surrogate: 2-Methylnaphthalene-d10	1.71		ug/l	2.00		85.4	40-150			
Surrogate: Fluoranthene-d10	1.96		"	2.00		98.0	40-150			

##### LCS Dup (BFL0178-BSD1)

Prepared: 12/07/22 Analyzed: 12/08/22

Acenaphthene	2.04	0.500	ug/l	2.00		102	30-120	4.98	30	
Acenaphthylene	1.89	0.200	"	2.00		94.5	30-120	8.95	30	
Anthracene	1.71	0.200	"	2.00		85.7	30-120	6.00	30	
Benzo (a) anthracene	1.50	0.100	"	2.00		75.2	30-120	8.18	30	
Benzo (b) fluoranthene	1.95	0.200	"	2.00		97.4	30-120	6.47	30	
Benzo (k) fluoranthene	2.04	0.200	"	2.00		102	30-120	5.00	30	
Benzo (g,h,i) perylene	1.37	0.200	"	2.00		68.6	30-120	2.09	30	
Benzo (a) pyrene	1.60	0.200	"	2.00		79.9	30-120	5.57	30	
Chrysene	1.60	0.200	"	2.00		80.1	30-120	4.78	30	
Dibenz (a,h) anthracene	1.47	0.200	"	2.00		73.5	30-120	10.1	30	
Fluoranthene	1.81	2.00	"	2.00		90.5	30-120	3.46	30	
Fluorene	1.76	0.200	"	2.00		87.8	30-120	14.4	30	
Indeno (1,2,3-cd) pyrene	1.40	0.300	"	2.00		70.0	30-120	3.45	30	
Phenanthrene	1.75	0.500	"	2.00		87.5	30-120	4.79	30	
Pyrene	1.67	1.00	"	2.00		83.4	30-120	5.59	30	
1-Methylnaphthalene	1.52	0.500	"	2.00		75.8	30-120	7.39	30	
2-Methylnaphthalene	1.58	0.500	"	2.00		79.1	0-200	29.3	200	
Surrogate: 2-Methylnaphthalene-d10	1.50		"	2.00		74.9	40-150			
Surrogate: Fluoranthene-d10	1.89		"	2.00		94.3	40-150			

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.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Sooner 13-16

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/12/22 16:53

### Notes and Definitions

S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
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