



INTRODUCTION

This Second Quarter 2023 Site Monitoring and Remediation Data presents the results of groundwater sampling activities and operational data of the Air Sparge (AS) and Soil-Vapor Extraction (SVE) remediation system (System) at the Knaus 28-8 site (Site).

Second Quarter 2023 field activities were performed by Tasman, Inc on behalf of Noble Energy, Inc to further evaluate groundwater conditions and conduct remediation activities at the Site. The data collected was used to develop the groundwater summary tables and figures and to optimize remediation system operations.

PROJECT INFORMATION

Spill Tracking # 445476
Remediation # 9767

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KNAUS 28-8

SECOND QUARTER 2023 SITE MONITORING AND REMEDIATION DATA

GROUNDWATER SAMPLING SUMMARY

Groundwater Level Measurements and Sampling

Second Quarter 2023 groundwater monitoring activities, including the measurement of groundwater elevations from 7 Site monitoring wells and collection of groundwater samples from 7 monitoring wells, were performed at the Site on June 23, 2023.

Groundwater Analytical Results

During the Second Quarter 2023 groundwater monitoring event, organic compounds were not detected above laboratory reporting limits in any of the 10 samples collected.

REMEDIATION SUMMARY (MARCH 21, 2023 – JUNE 15, 2023)

Air Sparge Operational Data

During the March 21, 2023 to June 15, 2023 operational period, the AS component of the System operated at an average pressure of 14.1 pounds per square inch (PSI) and average flow rate 2.90 cubic feet per minute (CFM) with an average runtime of 15.45 hours per day.

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TABLE 1
GROUNDWATER ELEVATION DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft. BTOC)	Depth to Water (ft.) ⁽²⁾	Depth to LNAPL (ft.) ⁽²⁾	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
BH01	03/30/21	4713.09	13.90	ND	ND	ND	DRY
BH01	06/11/21	4713.09	13.89	ND	ND	ND	DRY
BH01	09/07/21	4713.09	13.88	ND	ND	ND	DRY
BH01	12/16/21	4713.09	13.88	ND	ND	ND	DRY
BH01	03/11/22	4713.09	13.89	ND	ND	ND	DRY
BH01	06/15/22	4713.09	13.88	ND	ND	ND	DRY
BH01	09/08/22	4713.09	13.89	ND	ND	ND	DRY
BH01	12/08/22	4713.09	13.90	ND	ND	ND	DRY
BH01	03/20/23	4713.09	13.90	ND	ND	ND	DRY
BH01	06/23/23	Monitoring Well Removed From Network					
BH02R	03/30/21	4716.79	22.00	14.88	ND	ND	4698.54
BH02R	06/11/21	4716.79	21.99	15.18	ND	ND	4698.24
BH02R	09/07/21	4716.79	21.99	14.15	ND	ND	4699.27
BH02R	12/16/21	4716.79	21.98	14.75	ND	ND	4698.67
BH02R	03/11/22	4716.79	21.99	15.36	ND	ND	4698.06
BH02R	06/15/22	4716.79	21.97	14.80	ND	ND	4698.62
BH02R	09/08/22	4716.79	21.99	14.68	ND	ND	4698.74
BH02R	12/08/22	4716.79	21.98	15.41	ND	ND	4698.01
BH02R	03/20/23	4716.79	22.00	15.98	ND	ND	4697.44
BH02R	06/23/23	4716.79	22.00	16.20	ND	ND	4697.22
BH03	03/30/21	4716.69	17.59	14.65	ND	ND	4699.14
BH03	06/11/21	4716.69	17.59	14.65	ND	ND	4699.14
BH03	09/07/21	4716.69	17.59	14.41	ND	ND	4699.38
BH03	12/16/21	4716.69	17.58	14.60	ND	ND	4699.19
BH03	03/11/22	4716.69	17.58	14.60	ND	ND	4699.19
BH03	06/15/22	4716.69	17.58	ND	ND	ND	Dry
BH03	09/08/22	4716.69	17.59	14.62	ND	ND	4699.17
BH03	12/08/22	4716.69	17.58	14.62	ND	ND	4699.17
BH03	03/20/23	4716.69	17.58	14.62	ND	ND	4699.17
BH03R	06/23/23	4716.32	27.85	16.47	ND	ND	4697.28
BH04R	03/30/21	4715.85	20.85	15.02	ND	ND	4698.46
BH04R	06/11/21	4715.85	20.86	15.31	ND	ND	4698.17
BH04R	09/07/21	4715.85	20.85	14.33	ND	ND	4699.15
BH04R	12/16/21	4715.85	20.85	14.87	ND	ND	4698.61
BH04R	03/11/22	4715.85	20.85	15.53	ND	ND	4697.95
BH04R	06/15/22	4715.85	20.92	14.94	ND	ND	4698.54
BH04R	09/08/22	4715.85	20.90	14.87	ND	ND	4698.61
BH04R	12/08/22	4715.85	20.91	15.53	ND	ND	4697.95
BH04R	03/20/23	4715.85	20.90	16.16	ND	ND	4697.32

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BH04R	06/23/23	4715.85	20.89	16.31	ND	ND	4697.17
BH05R	03/30/21	4715.87	20.60	14.71	ND	ND	4698.58
BH05R	06/11/21	4715.87	20.59	15.02	ND	ND	4698.27
BH05R	09/07/21	4715.87	20.59	13.97	ND	ND	4699.32
BH05R	12/16/21	4715.87	20.57	14.61	ND	ND	4698.68
BH05R	03/11/22	4715.87	20.59	15.23	ND	ND	4698.06
BH05R	06/15/22	4715.87	20.59	14.44	ND	ND	4698.85
BH05R	09/08/22	4715.87	20.59	14.50	ND	ND	4698.79
BH05R	12/08/22	4715.87	20.60	15.25	ND	ND	4698.04
BH05R	03/20/23	4715.87	20.58	15.84	ND	ND	4697.45
BH05R	06/23/23	4715.87	20.58	16.04	ND	ND	4697.25
BH06R	03/30/21	4716.43	19.92	15.13	ND	ND	4698.61
BH06R	06/11/21	4716.43	19.92	15.43	ND	ND	4698.31
BH06R	09/07/21	4716.43	19.92	14.42	ND	ND	4699.32
BH06R	12/16/21	4716.43	19.90	15.01	ND	ND	4698.73
BH06R	03/11/22	4716.43	19.90	15.64	ND	ND	4698.10
BH06R	06/15/22	4716.43	19.90	15.07	ND	ND	4698.67
BH06R	09/08/22	4716.43	19.91	14.96	ND	ND	4698.78
BH06R	12/08/22	4716.43	19.91	15.68	ND	ND	4698.06
BH06R	03/20/23	4716.43	19.90	16.31	ND	ND	4697.43
BH06R	06/23/23	4716.43	19.91	16.37	ND	ND	4697.37
BH07	03/30/21	4716.69	17.37	ND	ND	ND	DRY
BH07	06/11/21	4716.69	17.36	ND	ND	ND	DRY
BH07	09/07/21	4716.69	17.37	ND	ND	ND	DRY
BH07	12/16/21	4716.69	16.80	ND	ND	ND	DRY
BH07	03/11/22	4716.69	16.80	ND	ND	ND	DRY
BH07	06/15/22	4716.69	16.81	ND	ND	ND	DRY
BH07	09/08/22	4716.69	16.81	ND	ND	ND	DRY
BH07	12/08/22	4716.69	16.82	ND	ND	ND	DRY
BH07	03/20/23	4716.69	16.82	ND	ND	ND	DRY
BH07	06/23/23	Monitoring Well Removed From Network					
BH08	03/30/21	4716.85	22.42	15.28	ND	ND	4698.64
BH08	06/11/21	4716.85	22.40	15.58	ND	ND	4698.34
BH08	09/07/21	4716.85	22.40	14.50	ND	ND	4699.42
BH08	12/16/21	4716.85	22.35	15.16	ND	ND	4698.76
BH08	03/11/22	4716.85	22.45	15.79	ND	ND	4698.13
BH08	06/15/22	4716.85	22.48	15.24	ND	ND	4698.68
BH08	09/08/22	4716.85	22.48	15.03	ND	ND	4698.89

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BH08	12/08/22	4716.85	22.47	15.83	ND	ND	4698.09
BH08	03/20/23	4716.85	22.45	16.41	ND	ND	4697.51
BH08	06/23/23	4716.85	22.47	16.65	ND	ND	4697.27
BH09	03/30/21	4716.38	21.71	14.96	ND	ND	4698.39
BH09	06/11/21	4716.38	21.70	15.23	ND	ND	4698.12
BH09	09/07/21	4716.38	Well Damaged- Elevation Control Point Lost				
BH09	12/16/21	4716.38	Well Damaged- Elevation Control Point Lost				
BH09	03/11/22	4716.38	21.33	15.08	ND	ND	4698.27
BH09	06/15/22	4716.38	21.32	14.54	ND	ND	4698.81
BH09	09/08/22	4716.38	21.34	14.45	ND	ND	4698.90
BH09	12/08/22	4716.38	21.33	15.10	ND	ND	4698.25
BH09	03/20/23	4716.38	21.33	15.69	ND	ND	4697.66
BH09	06/23/23	Monitoring Well Removed From Network					
BH10	03/30/21	4713.01	16.55	14.88	ND	ND	4698.47
BH10	06/11/21	4713.01	16.53	15.16	ND	ND	4698.19
BH10	09/07/21	4713.01	15.52	14.16	ND	ND	4699.19
BH10	12/16/21	4713.01	19.49	15.98	ND	ND	4697.37
BH10	03/11/22	4713.01	16.52	16.39	ND	ND	4696.96
BH10	06/15/22	4713.01	16.53	14.77	ND	ND	4698.58
BH10	09/08/22	4713.01	16.55	14.69	ND	ND	4698.66
BH10	12/08/22	4713.01	16.55	15.43	ND	ND	4697.92
BH10	03/20/23	4713.01	16.54	15.96	ND	ND	4697.39
BH10	06/23/23	4713.01	16.55	16.21	ND	ND	4697.14
BH11	03/30/21	4717.35	22.80	15.06	ND	ND	4698.52
BH11	06/11/21	4717.35	22.74	15.35	ND	ND	4698.23
BH11	09/07/21	4717.35	22.74	15.38	ND	ND	4698.20
BH11	12/16/21	4717.35	22.73	14.94	ND	ND	4698.64
BH11	03/11/22	4717.35	22.71	15.55	ND	ND	4698.03
BH11	06/15/22	4717.35	22.69	14.99	ND	ND	4698.59
BH11	09/08/22	4717.35	22.69	14.93	ND	ND	4698.65
BH11	12/08/22	4717.35	22.70	15.62	ND	ND	4697.96
BH11	03/20/23	4717.35	21.49	14.92	ND	ND	4698.66
BH11	06/23/23	Monitoring Well Removed From Network					
BH12	03/30/21	4716.46	18.85	14.97	ND	ND	4698.52
BH12	06/11/21	4716.46	18.94	15.27	ND	ND	4698.22
BH12	09/07/21	4716.46	18.94	14.32	ND	ND	4699.17
BH12	12/16/21	4716.46	18.93	14.87	ND	ND	4698.62
BH12	03/11/22	4716.46	18.92	15.50	ND	ND	4697.99

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BH12	06/15/22	4716.46	18.92	14.91	ND	ND	4698.58
BH12	09/08/22	4716.46	19.19	14.86	ND	ND	4698.63
BH12	12/08/22	4716.46	18.93	15.54	ND	ND	4697.95
BH12	03/20/23	4716.46	18.94	15.95	ND	ND	4697.54
BH12	06/23/23	Monitoring Well Removed From Network					
BH13	03/30/21	4716.77	17.95	ND	ND	ND	DRY
BH13	06/11/21	4716.77	17.85	ND	ND	ND	DRY
BH13	09/07/21	4716.77	17.90	ND	ND	ND	DRY
BH13	12/16/21	4716.77	18.18	14.52	ND	ND	4699.19
BH13	03/11/22	4716.77	18.18	ND	ND	ND	DRY
BH13	06/15/22	4716.77	18.19	ND	ND	ND	DRY
BH13	09/08/22	4716.77	18.19	14.73	ND	ND	4698.98
BH13	12/08/22	4716.77	18.18	14.90	ND	ND	4698.81
BH13	03/20/23	4716.77	18.20	ND	ND	ND	DRY
BH13	06/23/23	Monitoring Well Removed From Network					
BH14	03/30/21	4714.92	17.38	14.75	ND	ND	4698.41
BH14	06/11/21	4714.92	17.37	15.06	ND	ND	4698.10
BH14	09/07/21	4714.92	17.38	14.09	ND	ND	4699.07
BH14	12/16/21	4714.92	17.37	14.65	ND	ND	4698.51
BH14	03/11/22	4714.92	17.60	15.27	ND	ND	4697.89
BH14	06/15/22	4714.92	17.38	14.66	ND	ND	4698.50
BH14	09/08/22	4714.92	17.64	14.64	ND	ND	4698.52
BH14	12/08/22	4714.92	17.37	15.30	ND	ND	4697.86
BH14	03/20/23	4714.92	17.61	15.30	ND	ND	4697.86
BH14	06/23/23	Monitoring Well Removed From Network					
BH15	03/30/21	4716.11	18.44	14.88	ND	ND	4698.46
BH15	06/11/21	4716.11	18.44	15.19	ND	ND	4698.15
BH15	09/07/21	4716.11	18.43	14.21	ND	ND	4699.13
BH15	03/11/22	4716.11	18.43	15.41	ND	ND	4697.93
BH15	06/15/22	4716.11	18.44	14.68	ND	ND	4698.66
BH15	09/08/22	4716.11	18.70	15.78	ND	ND	4697.56
BH15	12/08/22	4716.11	18.66	15.54	ND	ND	4697.80
BH15	03/20/23	4716.11	18.44	15.58	ND	ND	4697.76
BH15	06/23/23	Monitoring Well Removed From Network					
BH16	03/30/21	4717.02	18.92	15.15	ND	ND	4698.66
BH16	06/11/21	4717.02	18.91	15.46	ND	ND	4698.35
BH16	09/07/21	4717.02	19.14	14.45	ND	ND	4699.36
BH16	12/16/21	4717.02	18.43	14.34	ND	ND	4699.47
BH16	03/11/22	4717.02	18.90	15.59	ND	ND	4698.22
BH16	06/15/22	4717.02	18.92	15.09	ND	ND	4698.72
BH16	09/08/22	4717.02	19.18	15.55	ND	ND	4698.26

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Monitoring Well ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft. BTOC)	Depth to Water (ft.) ⁽²⁾	Depth to LNAPL (ft.) ⁽²⁾	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
BH16	12/08/22	4717.02	18.93	15.60	ND	ND	4698.21
BH16	03/20/23	4717.02	19.13	15.65	ND	ND	4698.16
BH16	06/23/23	Monitoring Well Removed From Network					
BH17	03/30/21	4716.43	22.04	15.23	ND	ND	4698.63
BH17	06/11/21	4716.43	22.03	15.50	ND	ND	4698.36
BH17	09/07/21	4716.43	22.03	14.44	ND	ND	4699.42
BH17	12/16/21	4716.43	21.99	15.05	ND	ND	4698.81
BH17	03/11/22	4716.43	21.99	15.70	ND	ND	4698.16
BH17	06/15/22	4716.43	21.99	15.14	ND	ND	4698.72
BH17	09/08/22	4716.43	22.00	14.95	ND	ND	4698.91
BH17	12/08/22	4716.43	21.99	15.74	ND	ND	4698.12
BH17	03/20/23	4716.43	21.98	16.34	ND	ND	4697.52
BH17	06/23/23	Monitoring Well Removed From Network					
BH18	03/30/21	4716.59	22.27	15.13	ND	ND	4698.54
BH18	06/11/21	4716.59	22.24	15.43	ND	ND	4698.24
BH18	09/07/21	4716.59	22.22	14.38	ND	ND	4699.29
BH18	12/16/21	4716.59	22.25	15.00	ND	ND	4698.67
BH18	03/11/22	4716.59	22.21	15.68	ND	ND	4697.99
BH18	06/15/22	4716.59	19.34	12.18	ND	ND	4701.49
BH18	09/08/22	4716.59	19.34	11.54	ND	ND	4702.13
BH18	12/08/22	4716.59	22.18	15.70	ND	ND	4697.97
BH18	12/08/22	4716.59	22.18	16.23	ND	ND	4697.44
BH18	06/23/23	Monitoring Well Removed From Network					

ft. = Feet

AMSL = Above mean sea level

BTOC = Below top of casing

BGS = Below ground surface

LNAPL = Light non-aqueous phase liquid

ND = No LNAPL detected

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)			
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background			
BH01	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH01	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH01	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH01	12/29/20					Not Sampled - Monitoring Well Dry								
BH01	06/11/21					Not Sampled - Monitoring Well Dry								
BH01	09/07/21					Not Sampled - Monitoring Well Dry								
BH01	12/16/21					Not Sampled - Monitoring Well Dry								
BH01	03/11/22					Not Sampled - Monitoring Well Dry								
BH01	06/15/22					Not Sampled - Monitoring Well Dry								
BH01	09/08/22					Not Sampled - Monitoring Well Dry								
BH01	12/08/22					Not Sampled - Monitoring Well Dry								
BH01	03/20/23					Not Sampled - Monitoring Well Dry								
BH01	06/23/23					Monitoring Well Removed From Network								
BH02R	03/05/20	1.4	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH02R	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH02R	09/18/20	10	<1.0	3.8	7.2	NA	NA	NA	NA	NA	NA			
BH02R	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH02R	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,980	23	113			
BH02R	06/11/21	6.3	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR			
BH02R	09/07/21	43	<2.0	3.6	<2.0	11	4.2	<1.0						
BH02R	12/16/21	95	<1.0	5.0	18	<1.0	7.3	1.2						
BH02R	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0						
BH02R	06/15/22	2.7	<1.0	1.6	<2.0	2.5	2.0	<1.0	Inorganic Analytes Removed from Sampling Plan					
BH02R	09/08/22	8.6	<1.0	<1.0	3.6	1.5	<1.0	<1.0						
BH02R	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0						
BH02R	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0						
BH02R	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0						
BH03	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH03	06/26/20	15	<1.0	7.2	7.8	NA	NA	NA	NA	NA	NA			
BH03	09/18/20	1.3	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH03	12/29/20					Not Sampled - Monitoring Well Dry								
BH03	03/30/21					Not Sampled - Monitoring Well Dry								
BH03	06/11/21					Not Sampled - Monitoring Well Dry								
BH03	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan					
BH03	12/16/21					Not Analyzed - Insufficient Water								
BH03	03/11/22					Not Analyzed - Insufficient Water								
BH03	06/15/22					Not Sampled - Monitoring Well Dry								
BH03	09/08/22					Not Analyzed - Insufficient Water								
BH03	12/08/22					Not Analyzed - Insufficient Water								

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background
BH03	03/20/23	Not Analyzed - Insufficient Water									
BH03R	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH04R	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH04R	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH04R	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH04R	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH04R	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,840	16	144
BH04R	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH04R	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH04R	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH04R	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH04R	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH04R	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH04R	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH04R	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH04R	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH05R	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH05R	09/18/20	180	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH05R	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH05R	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	2,550	14.8	616
BH05R	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH05R	09/07/21	76	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	12/16/21	1.6	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH05R	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH05R	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH06R	06/26/20	33	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH06R	07/09/20	1.1	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH06R	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH06R	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH06R	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte		
BH06R	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background
BH06R	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH06R	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH06R	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH07	03/05/20					Not Sampled - Monitoring Well Dry					
BH07	06/26/20					Not Sampled - Monitoring Well Dry					
BH07	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH07	12/29/20					Not Sampled - Monitoring Well Dry					
BH07	03/30/21					Not Sampled - Monitoring Well Dry					
BH07	06/11/21					Not Sampled - Monitoring Well Dry					
BH07	09/07/21					Not Sampled - Monitoring Well Dry					
BH07	12/16/21					Not Sampled - Monitoring Well Dry					
BH07	03/11/22					Not Sampled - Monitoring Well Dry					
BH07	06/15/22					Not Sampled - Monitoring Well Dry					
BH07	09/08/22					Not Sampled - Monitoring Well Dry					
BH07	12/08/22					Not Sampled - Monitoring Well Dry					
BH07	03/20/23					Not Sampled - Monitoring Well Dry					
BH07	06/23/23					Monitoring Well Removed From Network					
BH08	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH08	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH08	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH08	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH08	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	2,020	17.2	215
BH08	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH08	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH08	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH08	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH08	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH08	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH08	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH08	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH08	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH09	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH09	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background
BH09	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH09	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,960	15.4	151
BH09	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH09	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH09	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH09	06/23/23	Monitoring Well Removed From Network									
BH10	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH10	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH10	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH10	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH10	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte		
BH10	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH10	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH10	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH10	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH10	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH10	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH10	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH10	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH10	06/23/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH11	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH11	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH11	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH11	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,880	15.6	196
BH11	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH11	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH11	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH11	06/23/23	Monitoring Well Removed From Network									

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background
BH12	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH12	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH12	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH12	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH12	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH12	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH12	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH12	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte		
BH12	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH12	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH12	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH12	12/08/22					Not Analyzed - Insufficient Water					
BH12	03/20/23					Not Analyzed - Insufficient Water					
BH12	06/23/23					Monitoring Well Removed From Network					
BH13	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH13	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH13	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH13	12/29/20					Not Sampled - Monitoring Well Dry					
BH13	03/30/21					Not Sampled - Monitoring Well Dry					
BH13	06/11/21					Not Sampled - Monitoring Well Dry					
BH13	09/07/21					Not Sampled - Monitoring Well Dry					
BH13	12/16/21					Not Sampled - Monitoring Well Dry					
BH13	03/11/22					Not Sampled - Monitoring Well Dry					
BH13	06/15/22					Not Sampled - Monitoring Well Dry					
BH13	09/08/22					Not Analyzed - Insufficient Water					
BH13	12/08/22					Not Analyzed - Insufficient Water					
BH13	03/20/23					Not Sampled - Monitoring Well Dry					
BH13	06/23/23					Monitoring Well Removed From Network					
BH14	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH14	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH14	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH14	12/29/20	1.1	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH14	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte		
BH14	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte		
BH14	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH14	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH14	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH14	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH14	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)			
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background			
BH14	12/08/22	Not Analyzed - Insufficient Water												
BH14	03/20/23	Not Sampled - Monitoring Well Dry												
BH14	06/23/23	Monitoring Well Removed From Network												
BH15	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH15	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH15	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH15	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH15	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte					
BH15	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte					
BH15	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan					
BH15	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan					
BH15	03/11/22	Not Analyzed- Insufficient Water												
BH15	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan					
BH15	09/08/22	Not Analyzed- Insufficient Water												
BH15	12/08/22	Not Analyzed - Insufficient Water												
BH15	03/20/23	Not Analyzed - Insufficient Water												
BH15	06/23/23	Monitoring Well Removed From Network												
BH16	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH16	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH16	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH16	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH16	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Insufficient water for inorganic analyte					
BH16	06/11/21	Not Analyzed- Insufficient Water												
BH16	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan					
BH16	12/16/21	Not Analyzed- Insufficient Water												
BH16	03/11/22	Not Sampled - Monitoring Well Dry												
BH16	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0				Inorganic Analytes Removed from Sampling Plan		
BH16	09/08/22	Not Analyzed- Insufficient Water												
BH16	12/08/22	Not Analyzed - Insufficient Water												
BH16	03/20/23	Not Analyzed - Insufficient Water												
BH16	06/23/23	Monitoring Well Removed From Network												
BH17	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH17	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH17	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH17	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA			
BH17 ⁽³⁾	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,940	21.6	185			
BH17	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR			

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - KNAUS 28-8



Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
COGCC Standard		5	560	700	1,400	140	67	67	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background
BH17	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH17	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH17	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH17	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH17	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH17	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH17	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH17	06/23/23	Monitoring Well Removed From Network									
BH18	03/05/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH18	06/26/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH18	09/18/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH18	12/29/20	<1.0	<1.0	<1.0	<2.0	NA	NA	NA	NA	NA	NA
BH18	03/30/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,930	16.2	162
BH18	06/11/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NR	NR	NR
BH18	09/07/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	Inorganic Analytes Removed from Sampling Plan		
BH18	12/16/21	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH18	03/11/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH18	06/15/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH18	09/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH18	12/08/22	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH18	03/20/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0			
BH18	06/23/23	Monitoring Well Removed From Network									

Notes:

- ⁽¹⁾ Groundwater standards referenced from 2 CCR 404-1, Table 915-1 (January 15, 2021).
- ⁽²⁾ Groundwater analytical data received prior to January 2020 can be referenced in *Knaus 28-8 Fourth Quarter 2020 Site Monitoring Data and Remediation Report* (COGCC Document # : 402630593).
- ⁽³⁾ Monitoring well used to calculate background standard for inorganic analyte.

Definitions:

- < = Analytical result is less than the indicated laboratory reporting limit
- COGCC = Colorado Oil and Gas Conservation Commission
- µg/L = Micrograms per liter
- mg/L = Milligrams per liter
- NA = Not analyzed, analyte removed or not included in COGCC approved sampling plan.
- NR = Not Reported: Inorganic groundwater analytical results omitted due to laboratory error. Case narrative provided in the associated laboratory analytical report.
- 1,2,4 - TMB = 1,2,4 Trimethylbenzene
- 1,3,5 - TMB = 1,3,5 Trimethylbenzene
- TDS = Total Dissolved Solids

Highlighted results are equal to or exceed the COGCC Table 915-1 standard

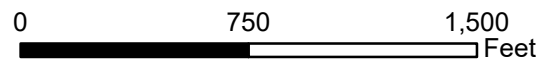
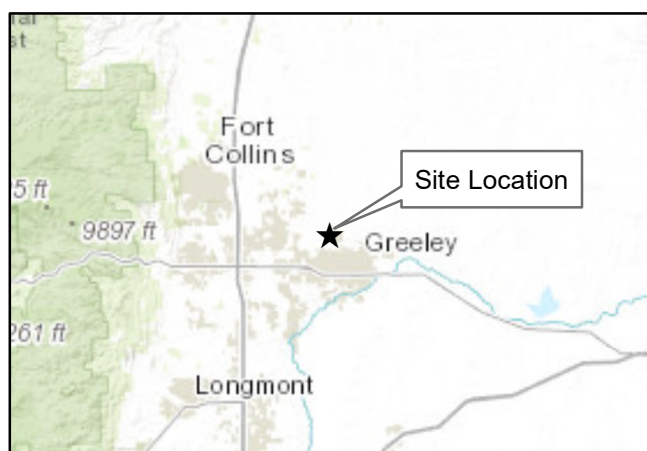
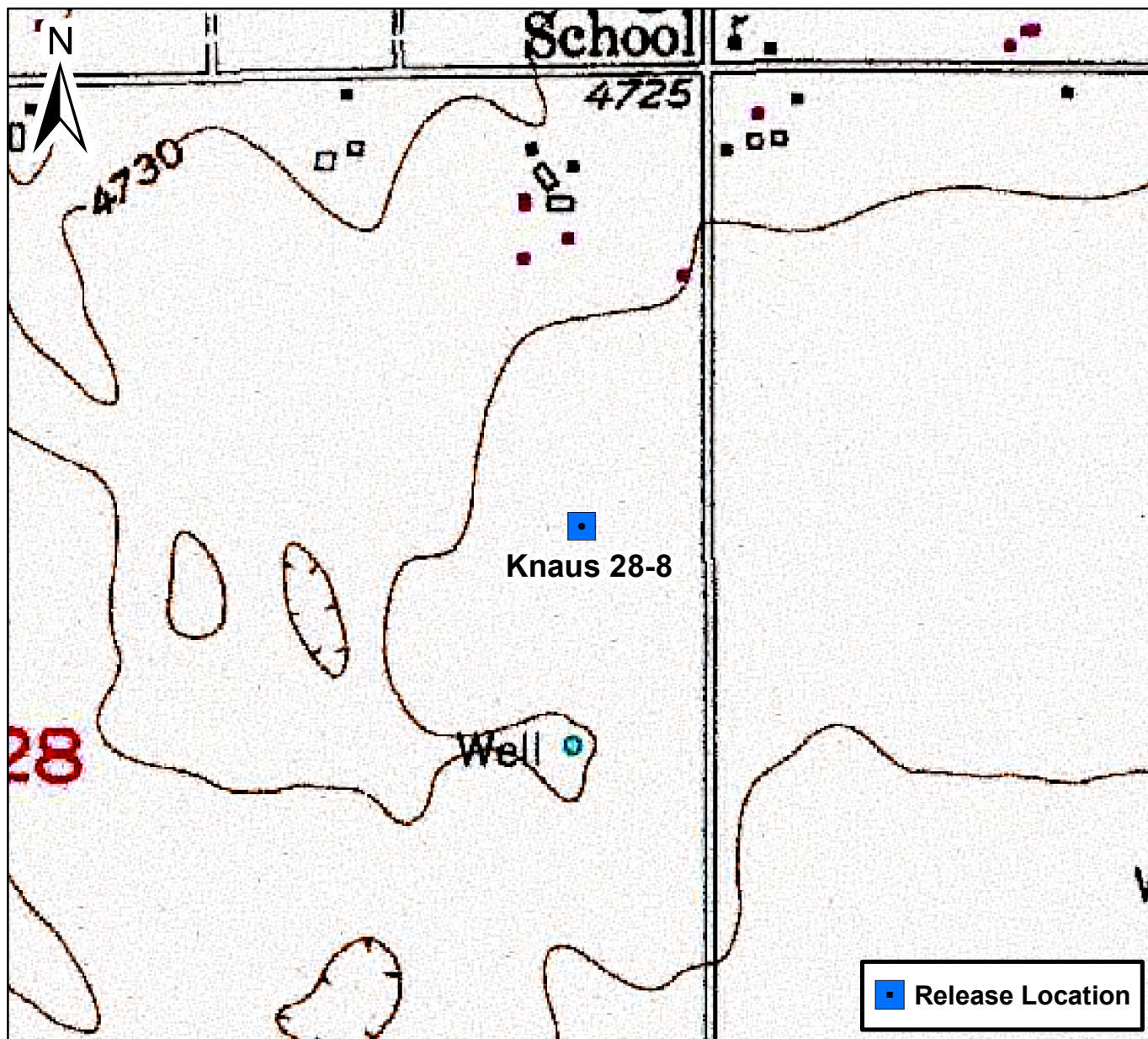
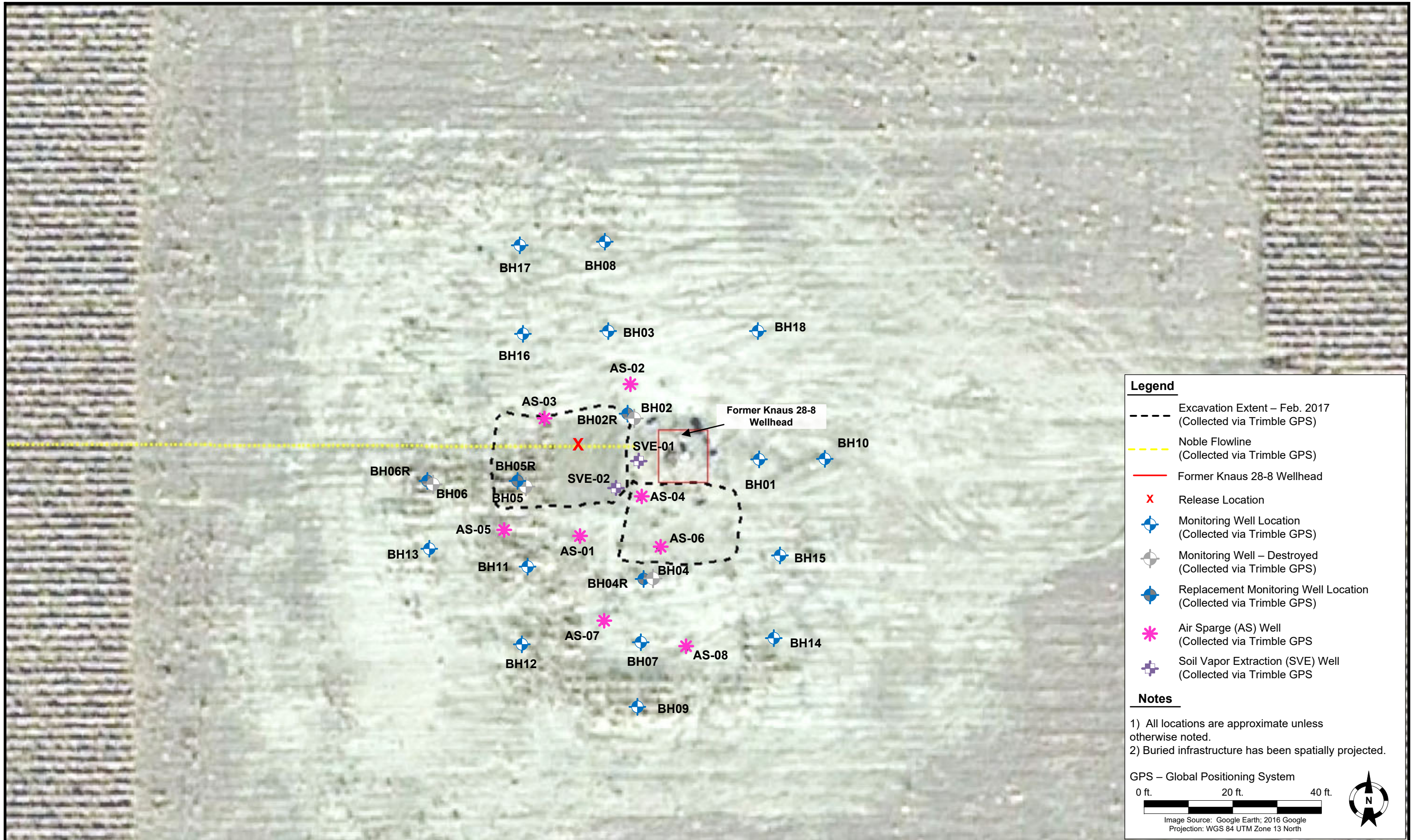


Figure 1

Site Location Map
Knaus 28-8
SENE S28 T6N R66W Weld
County, Colorado





Legend

- Excavation Extent – Feb. 2017 (Collected via Trimble GPS)
- - - Noble Flowline (Collected via Trimble GPS)
- Former Knaus 28-8 Wellhead
- X Release Location
- Monitoring Well Location (Collected via Trimble GPS)
- Monitoring Well – Destroyed (Collected via Trimble GPS)
- Replacement Monitoring Well Location (Collected via Trimble GPS)
- * Air Sparge (AS) Well (Collected via Trimble GPS)
- Soil Vapor Extraction (SVE) Well (Collected via Trimble GPS)

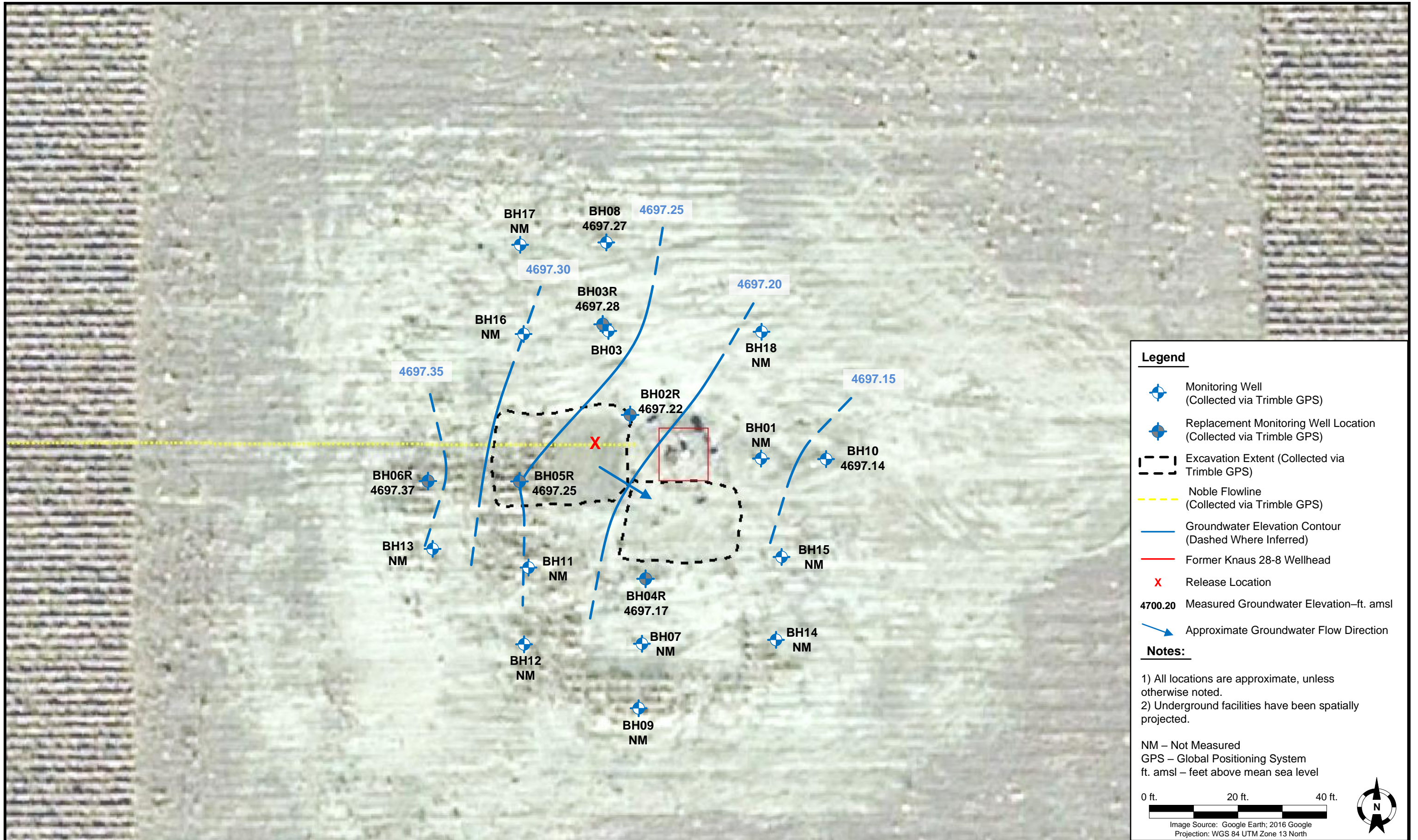
Notes

1) All locations are approximate unless otherwise noted.
2) Buried infrastructure has been spatially projected.

GPS – Global Positioning System

0 ft. 20 ft. 40 ft.

Image Source: Google Earth; 2016 Google
Projection: WGS 84 UTM Zone 13 North



Legend

- Monitoring Well (Collected via Trimble GPS)
- Replacement Monitoring Well Location (Collected via Trimble GPS)
- Excavation Extent (Collected via Trimble GPS)
- Noble Flowline (Collected via Trimble GPS)
- Groundwater Elevation Contour (Dashed Where Inferred)
- Former Knaus 28-8 Wellhead
- Release Location
- 4700.20 Measured Groundwater Elevation–ft. amsl
- Approximate Groundwater Flow Direction

Notes:

1) All locations are approximate, unless otherwise noted.
 2) Underground facilities have been spatially projected.

NM – Not Measured
 GPS – Global Positioning System
 ft. amsl – feet above mean sea level

0 ft. 20 ft. 40 ft.

Image Source: Google Earth; 2016 Google
 Projection: WGS 84 UTM Zone 13 North

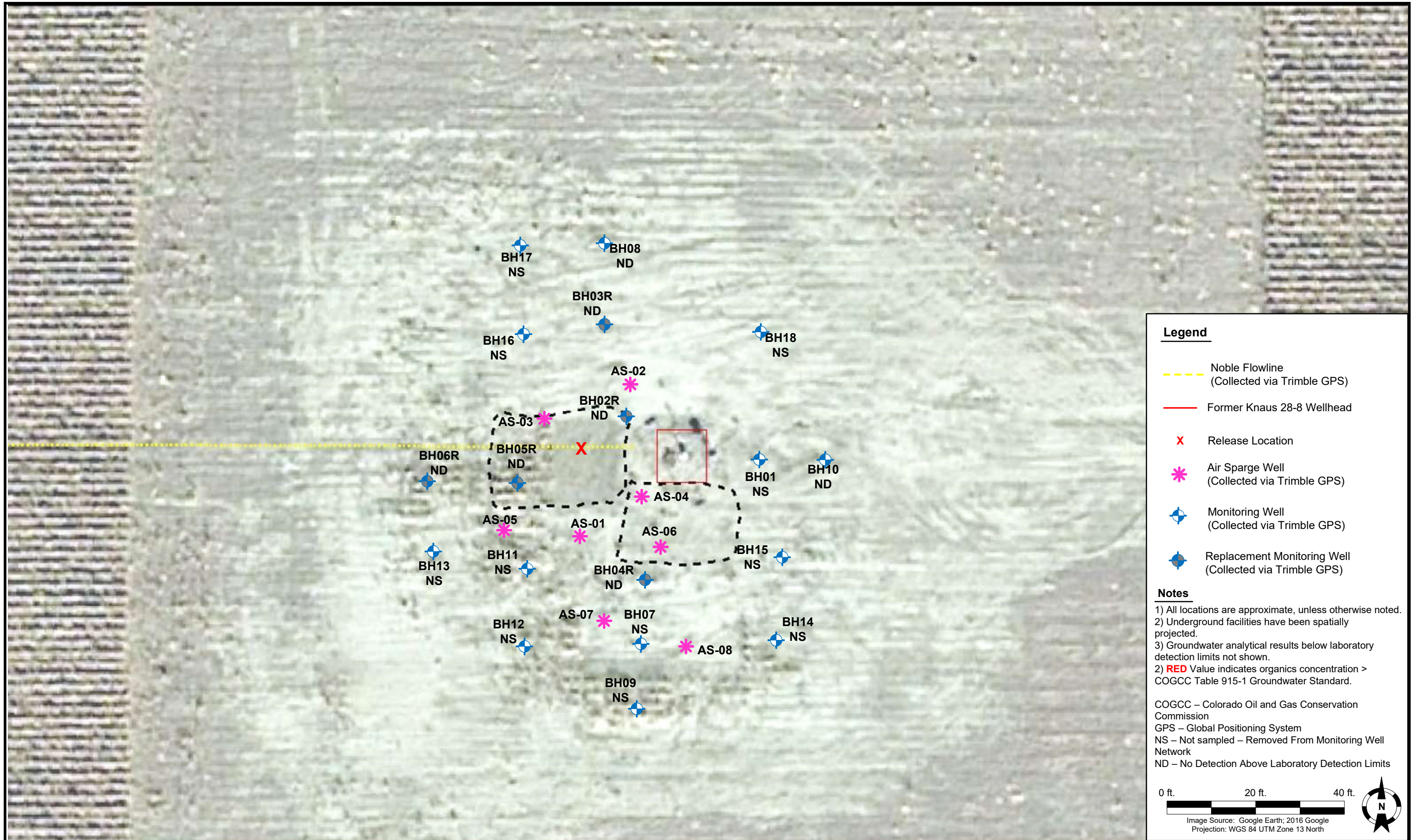
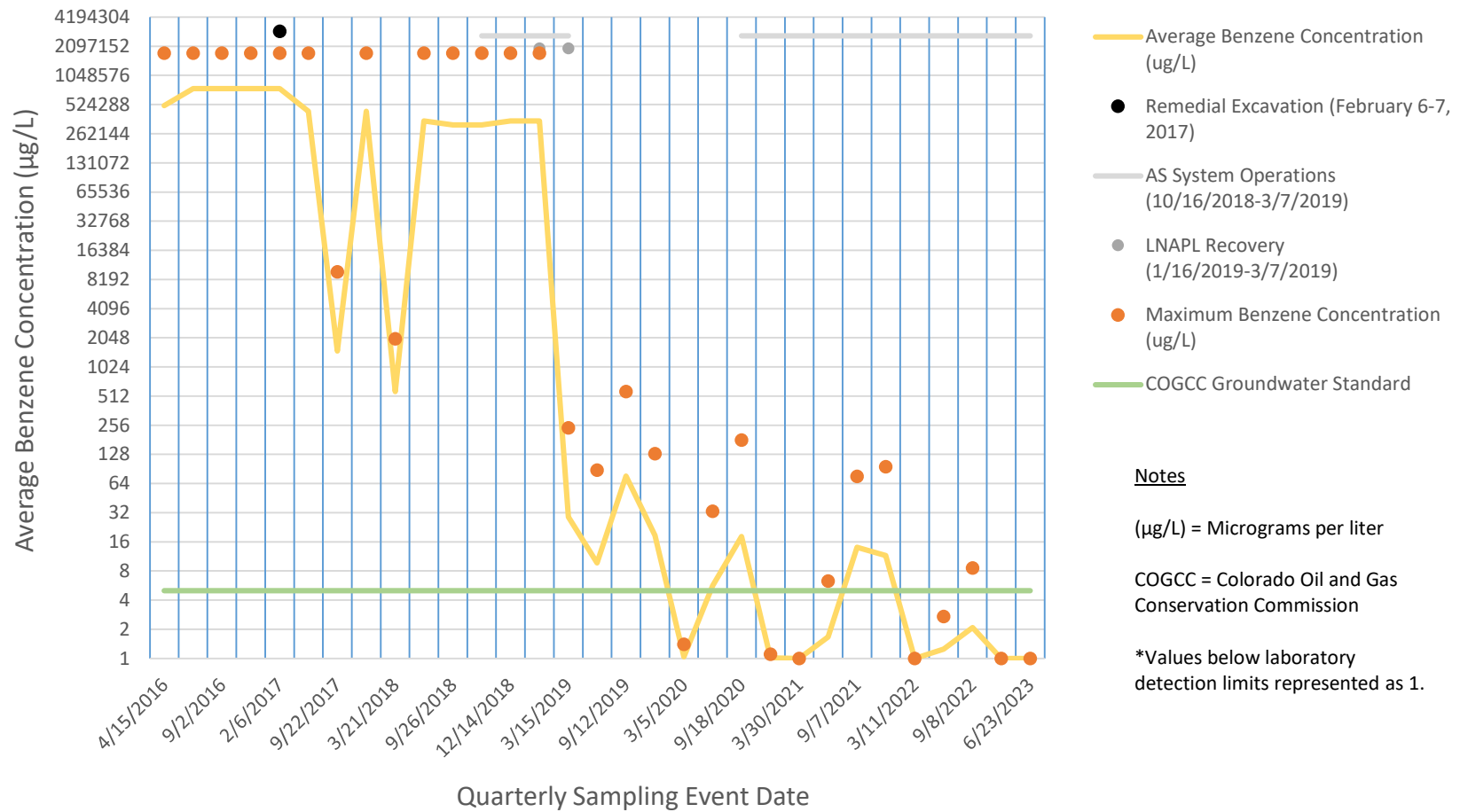


Figure 5
Knaus 28-8
Quarterly Benzene Concentrations



Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 28, 2023

Jacob Whritenour

Tasman Geosciences

6855 W. 119th Ave.

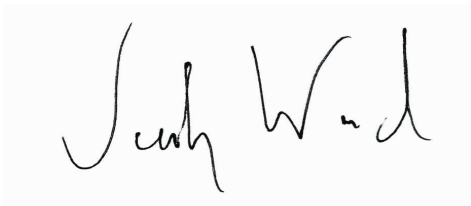
Broomfield, CO 80020

RE: Noble - Knaus 28-8

Work Order #2306493

Enclosed are the results of analyses for samples received by Summit Scientific on 06/23/23 18:38. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacob Wood". The signature is written in a cursive, flowing style.

Jacob Wood For Paul Shrewsbury

President



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

Project: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:

06/28/23 11:34

ANALYTICAL REPORT FOR SAMPLES



Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH02R	2306493-01	Water	06/23/23 10:34	06/23/23 18:38
BH03R	2306493-02	Water	06/23/23 10:27	06/23/23 18:38
BH04R	2306493-03	Water	06/23/23 10:14	06/23/23 18:38
BH05R	2306493-04	Water	06/23/23 10:13	06/23/23 18:38
BH06R	2306493-05	Water	06/23/23 10:02	06/23/23 18:38
BH08	2306493-06	Water	06/23/23 10:26	06/23/23 18:38
BH10	2306493-07	Water	06/23/23 10:05	06/23/23 18:38

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.

Send Data To:		Send Invoice To:
Client: Noble / Tasman Inc.	Project Manager: Jake Whritenour	Company: Noble Energy, Inc.
Address: 6855 W. 119th. Ave.	E-Mail: Jwhritenour@tasman-geo.com	Project Name/Location: Knaus 28-8
City/State/Zip: Broomfield / CO / 80020		AFE#:
Phone: 303-487-1228	Project Name: Knaus 28-8	PO/Billing Codes:
Sampler Name: Dalton Hagen	Project Number: N/A	Contact: Dan Peterson

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other _____	Water	Soil	Air-Canister #	Other _____	BTEX	Naphthalene	1,2,4-TMB	1,3,5-TMB	TDS	Chloride	Sulfate	PAH	
1	BH02R	6/23/23	1034	2	2				X				X	X	X	X					
2	BH03R	I	1027	2	I				I				I	I	I	I					
3	BH04R	I	1014	3	I				I				I	I	I	I					
4	BH05R	I	1013	3	I				I				I	I	I	I					
5	BH06R	I	1002	2	2				I				I	I	I	I					
6	BH08	I	1026	3	3				I				I	I	I	I					
7	BH10	I	1005	3	I				I				I	I	I	I					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					

Relinquished by: 	Date/Time: 6/23/23 1315	Received by: Tasman Hockbox	Date/Time: 1315 6/23/23	TAT Business Days	Field DO	Notes:
Relinquished by: Tasman Hockbox	Date/Time: 62323 1838	Received by: 	Date/Time: 62323 1838	Same Day	Field EC	
				1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
				Standard	X Field Turb.	
Temperature Upon Receipt: 8.8	Corrected Temperature: 8	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2306493Client: Noble Hasman Client Project ID: KnauS 28-8Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: ☐

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

Matrix (Check all that apply) Air ☐ Soil/Solid ☐ Water ☒ Other ☐Temp (°C) 6.8 Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: 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? ⁽¹⁾	<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 ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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 , etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ 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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

AS
Custodian Printed Name

6/23/23
Date/Time



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

Project: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

BH02R
2306493-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGF0927	06/26/23	06/26/23	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: **06/23/23 10:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	12.5	93.5 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	107 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.2	99.3 %		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: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

BH03R
2306493-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:27**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGF0927	06/26/23	06/27/23	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: **06/23/23 10:27**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.8	103 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	107 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.5 %		21-167		"	"	"	"	

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

Project: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

BH04R
2306493-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:14**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGF0927	06/26/23	06/27/23	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: **06/23/23 10:14**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	14.1	106 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.6	110 %		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: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

BH05R
2306493-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BGF0927	06/26/23	06/27/23	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: **06/23/23 10:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	14.0	105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	14.1	106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.5 %	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: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

BH06R
2306493-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGF0927	06/26/23	06/27/23	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: **06/23/23 10:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.7	103 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.3	107 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.4	101 %		21-167		"	"	"	"	

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

Project: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

BH08
2306493-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:26**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGF0927	06/26/23	06/27/23	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: **06/23/23 10:26**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.4	101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	106 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.1	98.5 %		21-167		"	"	"	"	

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Project: Noble - Knaus 28-8

Project Number: [none]

Project Manager: Jacob Whritenour

Reported:

06/28/23 11:34

BH10

2306493-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/23/23 10:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BGF0927	06/26/23	06/27/23	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: **06/23/23 10:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.5	101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.4	108 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	13.3	99.5 %		21-167		"	"	"	"	

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Project: Noble - Knaus 28-8
Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BGF0927 - EPA 5030 Water MS

Blank (BGF0927-BLK1)

Prepared & Analyzed: 06/26/23

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	13.1		"	13.3		98.4	23-173			
Surrogate: Toluene-d8	14.4		"	13.3		108	20-170			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		100	21-167			

LCS (BGF0927-BS1)

Prepared & Analyzed: 06/26/23

Benzene	48.7	1.0	ug/l	66.7		73.0	51-132			
Toluene	50.0	1.0	"	66.7		75.0	51-138			
Ethylbenzene	47.6	1.0	"	66.7		71.5	58-146			
m,p-Xylene	108	2.0	"	133		80.7	57-144			
o-Xylene	55.4	1.0	"	66.7		83.1	53-146			
Naphthalene	56.4	1.0	"	66.7		84.5	70-130			
1,2,4-Trimethylbenzene	63.9	1.0	"	66.7		95.8	70-130			
1,3,5-Trimethylbenzene	64.5	1.0	"	66.7		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.9		"	13.3		104	23-173			
Surrogate: Toluene-d8	14.9		"	13.3		111	20-170			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		95.9	21-167			

Matrix Spike (BGF0927-MS1)

Source: 2306493-01

Prepared & Analyzed: 06/26/23

Benzene	49.6	1.0	ug/l	66.7	ND	74.5	34-141			
Toluene	52.4	1.0	"	66.7	ND	78.6	27-151			
Ethylbenzene	49.8	1.0	"	66.7	ND	74.7	29-160			
m,p-Xylene	105	2.0	"	133	ND	79.1	20-166			
o-Xylene	59.4	1.0	"	66.7	ND	89.1	33-159			
Naphthalene	54.1	1.0	"	66.7	ND	81.1	70-130			
1,2,4-Trimethylbenzene	66.3	1.0	"	66.7	ND	99.5	70-130			
1,3,5-Trimethylbenzene	58.7	1.0	"	66.7	ND	88.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	12.3		"	13.3		92.5	23-173			
Surrogate: Toluene-d8	14.3		"	13.3		107	20-170			
Surrogate: 4-Bromofluorobenzene	12.7		"	13.3		95.1	21-167			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BGF0927 - EPA 5030 Water MS

Matrix Spike Dup (BGF0927-MSD1)

Source: 2306493-01

Prepared & Analyzed: 06/26/23

Benzene	48.1	1.0	ug/l	66.7	ND	72.1	34-141	3.21	30	
Toluene	50.5	1.0	"	66.7	ND	75.7	27-151	3.69	30	
Ethylbenzene	47.7	1.0	"	66.7	ND	71.5	29-160	4.29	30	
m,p-Xylene	108	2.0	"	133	ND	81.2	20-166	2.56	30	
o-Xylene	56.3	1.0	"	66.7	ND	84.5	33-159	5.37	30	
Naphthalene	51.5	1.0	"	66.7	ND	77.3	70-130	4.79	30	
1,2,4-Trimethylbenzene	62.0	1.0	"	66.7	ND	93.1	70-130	6.67	30	
1,3,5-Trimethylbenzene	62.9	1.0	"	66.7	ND	94.4	70-130	6.91	30	
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.8	23-173			
Surrogate: Toluene-d8	14.3		"	13.3		107	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.5	21-167			

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Project: Noble - Knaus 28-8

Project Number: [none]
Project Manager: Jacob Whritenour

Reported:
06/28/23 11:34

Notes and Definitions

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