

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
HSR FISCHER 6-23, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500		
Waste Char	1/19/2024	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-1 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-2 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-3 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-4 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-5 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-6 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-7 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-7 6 Ft	1/29/2024	6	0.014	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	0.004	0.99	<50	<50
MW-7 8 Ft	1/29/2024	8	3.7	<0.0050	7.0	93	27	19	0.51	2100	630	<50
MW-7 10 Ft	1/29/2024	10	<0.0020	<0.0050	<0.0050	0.015	0.0076	<0.0050	<0.0038	<0.50	<50	<50
MW-8 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-9 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-10 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-11 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-11 6 Ft	1/29/2024	6	0.0059	<0.0050	0.0087	0.058	0.023	0.011	0.018	11	<50	<50
MW-12 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-13 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
MW-14 3 Ft	1/29/2024	3	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50

Bold faced values exceed the ECMC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

Green shaded samples indicate this area was subsequently removed via excavation

* Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
HSR FISCHER, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
Waste Char	1/19/2024	4	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-1 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-2 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-3 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-4 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-5 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-6 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-7 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-8 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-9 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-10 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-11 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-12 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-13 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
MW-14 3 Ft	1/29/2024	3	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Bold faced values exceed the ECMC Table 915-1 concentrations

Green shaded samples indicate this area was subsequently removed via excavation

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE ENERGY INC.
HSR FISCHER, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

Sample ID	Sample Date	Depth (ft)	pH	EC (mmhos/cm)	SAR	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
Waste Char	1/19/2024	4	8.94	0.394	1.70	<2.00
MW-1 3 Ft	1/29/2024	3	8.00	3.67	8.23	<2.00
MW-2 3 Ft	1/29/2024	3	7.84	1.52	2.55	<2.00
MW-3 3 Ft	1/29/2024	3	8.66	1.07	5.79	<2.00
MW-4 3 Ft	1/29/2024	3	8.32	0.599	2.36	<2.00
MW-5 3 Ft	1/29/2024	3	8.75	1.14	4.46	<2.00
MW-6 3 Ft	1/29/2024	3	8.02	2.57	3.47	<2.00
MW-7 3 Ft	1/29/2024	3	8.35	0.661	1.80	<2.00
MW-8 3 Ft	1/29/2024	3	7.86	3.92	5.87	<2.00
MW-9 3 Ft	1/29/2024	3	8.50	1.84	4.98	<2.00
MW-10 3 Ft	1/29/2024	3	8.68	0.526	0.21	<2.00
MW-11 3 Ft	1/29/2024	3	8.46	1.19	3.60	<2.00
MW-12 3 Ft	1/29/2024	3	7.82	2.56	4.56	<2.00
MW-13 3 Ft	1/29/2024	3	8.65	0.716	4.93	<2.00
MW-14 3 Ft	1/29/2024	3	7.98	2.63	2.61	<2.00

Bold faced values exceed the ECMC Table 915-1 concentrations

Green shaded samples indicate this area was subsequently removed via excavation

Yellow highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE ENERGY INC.
HSR FISCHER, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Waste Char	1/19/2024	4	1.12	31.6	<0.200	<0.30	2.96	3.28	2.86	<0.260	<0.0200	11.4
MW-1 3 Ft	1/29/2024	3	1.85	90.1	<0.200	<0.30	8.69	9.13	4.82	<0.260	0.0347	21.3
MW-2 3 Ft	1/29/2024	3	2.12	90.3	<0.200	<0.30	4.96	6.07	4.14	<0.260	0.0341	17.2
MW-3 3 Ft	1/29/2024	3	1.67	51.9	<0.200	<0.30	4.92	4.73	4.02	0.3	0.0292	15.8
MW-4 3 Ft	1/29/2024	3	2.55	104	<0.200	<0.30	7.62	7.3	4.52	<0.260	0.043	22.6
MW-5 3 Ft	1/29/2024	3	0.907	55	<0.200	<0.30	2.33	2.16	2.44	<0.260	<0.0200	10.4
MW-6 3 Ft	1/29/2024	3	2.5	109	0.222	<0.30	11.4	14.8	5.23	<0.260	0.0613	26
MW-7 3 Ft	1/29/2024	3	2.94	129	0.221	<0.30	13.6	16.1	5.55	<0.260	0.0538	26.8
MW-8 3 Ft	1/29/2024	3	2.6	107	<0.200	<0.30	9.98	14	4.93	<0.260	0.0473	23.4
MW-9 3 Ft	1/29/2024	3	1.2	50.2	<0.200	<0.30	4.52	4.63	3.77	<0.260	0.0343	16.1
MW-10 3 Ft	1/29/2024	3	1.75	57.3	0.238	<0.30	4.31	5.06	3.61	<0.260	0.0295	16.2
MW-11 3 Ft	1/29/2024	3	1.7	53	<0.200	<0.30	6.18	4.9	3.92	<0.260	0.0266	16.1
MW-12 3 Ft	1/29/2024	3	5.33	126	0.264	<0.30	8.4	11.6	6.72	<0.260	0.0531	22.9
MW-13 3 Ft	1/29/2024	3	1.65	74	0.204	<0.30	5.32	6.29	5.24	<0.260	0.0299	18.9
MW-14 3 Ft	1/29/2024	3	2.14	90.1	<0.200	<0.30	8.05	11.2	5	<0.260	0.0364	24

Bold faced values exceed the ECMC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

Green shaded samples indicate this area was subsequently removed via excavation

NA - Not analyzed

TABLE 5
SUMMARY OF GROUNDWATER ELEVATION DATA AND ORGANIC CHEMISTRY DATA
NOBLE ENERGY INC.
HSR FISCHER, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

Sample ID	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-Trimethyl-Benzene (µg/L)	1,3,5-Trimethyl-Benzene (µg/L)	TOC Elevation (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)	LNAPL Thickness (ft)
ECMC Table 915-1 Limits		5.0	560	700	1400	140	67	67				
MW-1	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	96.78	3.24	93.54	NP
MW-2	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	96.45	2.86	93.59	NP
MW-3	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	96.58	2.97	93.61	NP
MW-4	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	96.47	2.91	93.56	NP
MW-5	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.66	5.96	93.70	NP
MW-6	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.34	5.8	93.54	NP
MW-7	1/29/2024	3500	<1.0	550	5600	94	790	430	99.69	6.14	93.55	NP
MW-8	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.21	5.77	93.44	NP
MW-9	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.78	6.46	93.32	NP
MW-10	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.82	6.52	93.30	NP
MW-11	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	98.87	5.39	93.48	NP
MW-12	1/29/2024	<1.0	<1.0	<1.0	10	<1.0	<1.0	<1.0	96.61	3.03	93.58	NP
MW-13	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	99.11	5.64	93.47	NP
MW-14	1/29/2024	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	100.00	6.52	93.48	NP

Bold face values exceed the ECMC limits

Red highlighted 915-1 Limits indicate the referenced groundwater screening level

NP - No measureable LNAPL

NA - Not Analyzed

TABLE 6
SUMMARY OF INORGANIC GROUNDWATER CHEMISTRY DATA
NOBLE ENERGY INC.
HSR FISCHER, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C024-016

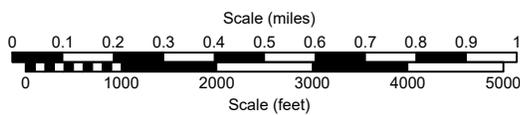
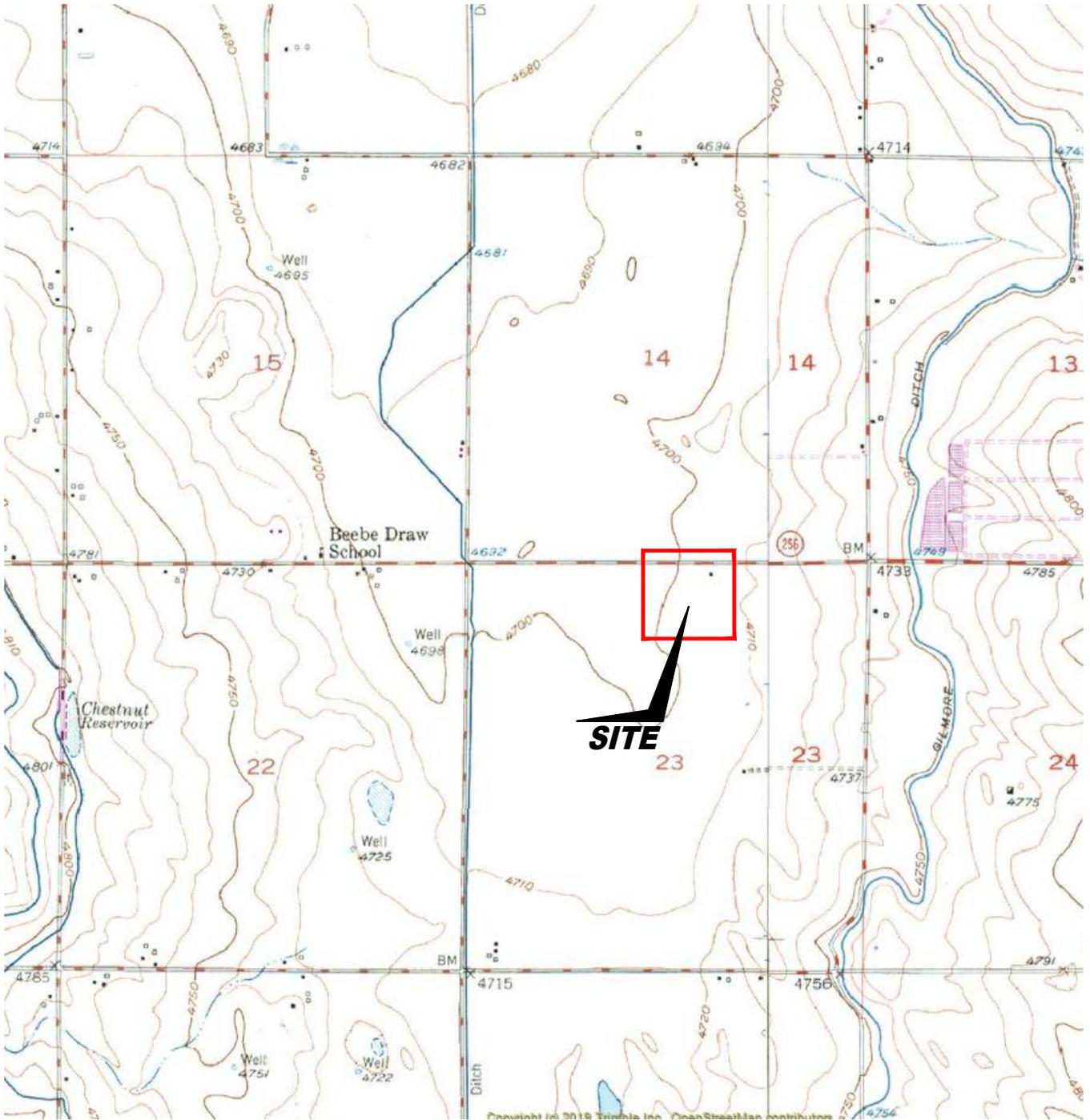
Sample ID	Sample Date	Total Dissolved Solids (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Table 915-1 Limits		<1.25 x local background	250 or <1.25 x local background	250 or <1.25 x local background
Site Specific Background		2725	491	969
MW-1	1/29/2024	2570	435	942
MW-2	1/29/2024	2400	411	929
MW-3	1/29/2024	3310	554	1390
MW-4	1/29/2024	2270	406	830
MW-5	1/29/2024	2180	393	775
MW-6	1/29/2024	2450	451	928
MW-7	1/29/2024	2170	409	409
MW-8	1/29/2024	2110	394	838
MW-9	1/29/2024	1930	340	701
MW-10	1/29/2024	2160	367	694
MW-11	1/29/2024	2380	430	462
MW-12	1/29/2024	2230	411	840
MW-13	1/29/2024	2910	517	1090
MW-14	1/29/2024	2140	400	778

Bold face values exceed the ECMC limits

MW-5 is the upgradient/background monitoring well

Yellow highlighted 915-1 Limits indicate the referenced groundwater screening level

DES - Destroyed



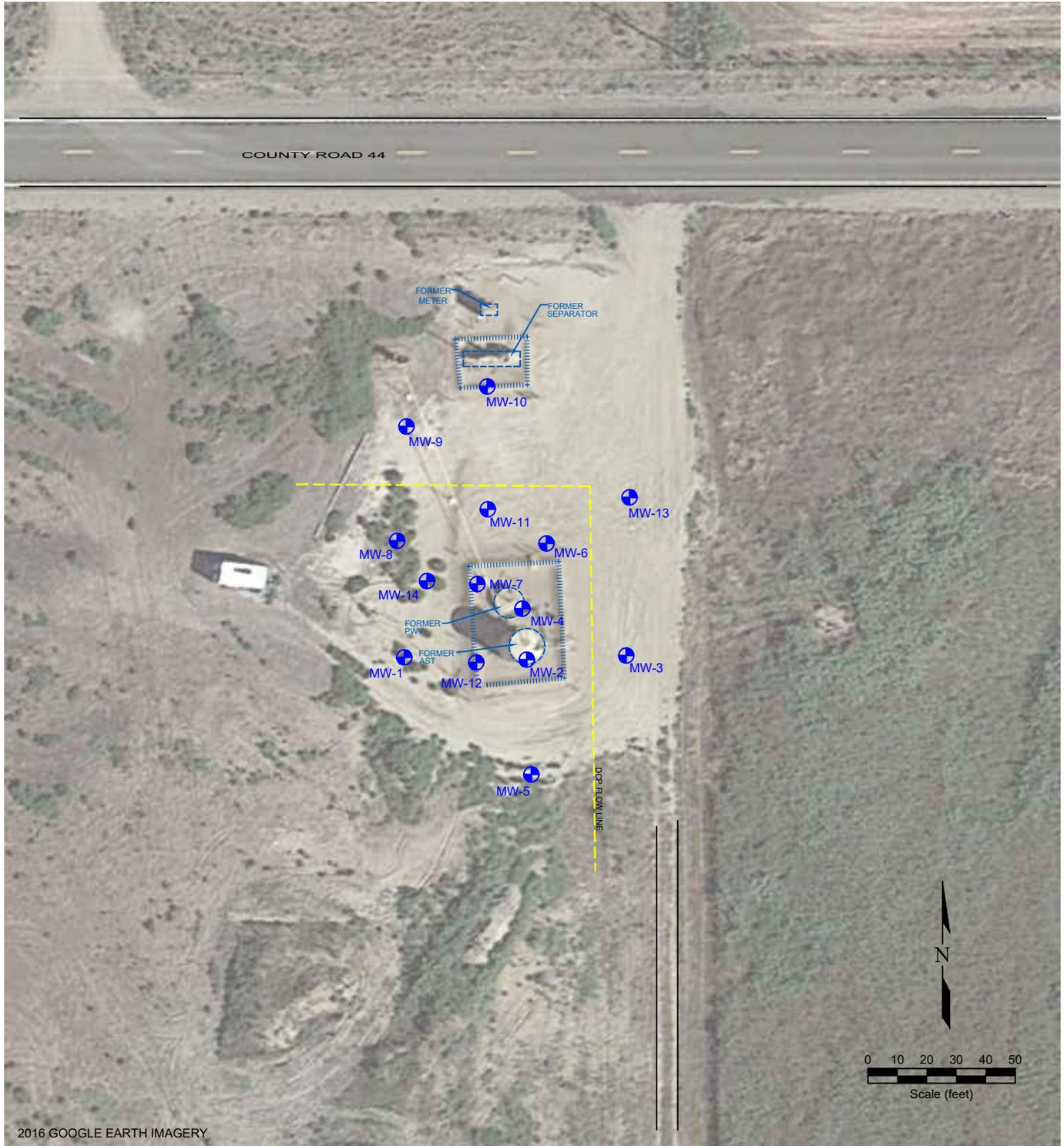
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Noble Energy, Inc. ~ HSR Fisher 6-23
NWNE, Sec 23, T4N, R65W, 6th P.M.
Weld County, Colorado
40.30500 ° -104.630639 °

Project No. CO24-016	API #	Facility # 309888
Date 1/31/24	Remediation #	Filename 24016T





LEGEND

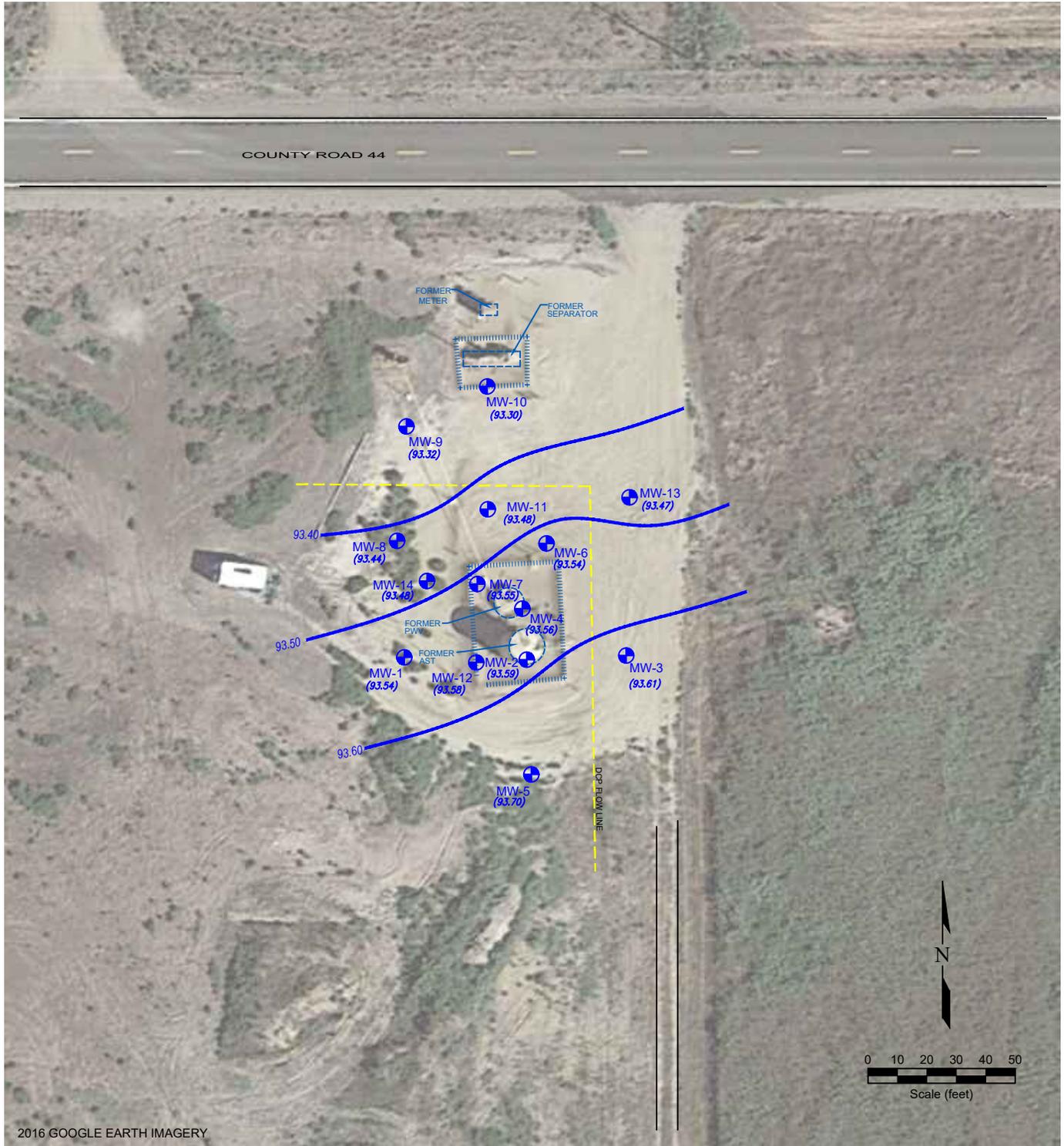
- MONITORING WELL
- ⊕ ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- DCP FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

**Figure 2
SITE MAP**

Noble Energy, Inc. ~ HSR Fisher 6-23
 NWNE, Sec 23, T4N, R65W, 6th P.M.
 Weld County, Colorado
 40.30500 ° -104.630639 °

Project No. CO24-016	API #	Facility # 309888
Date 1/31/24	Remediation #	Filename 24016Q





LEGEND

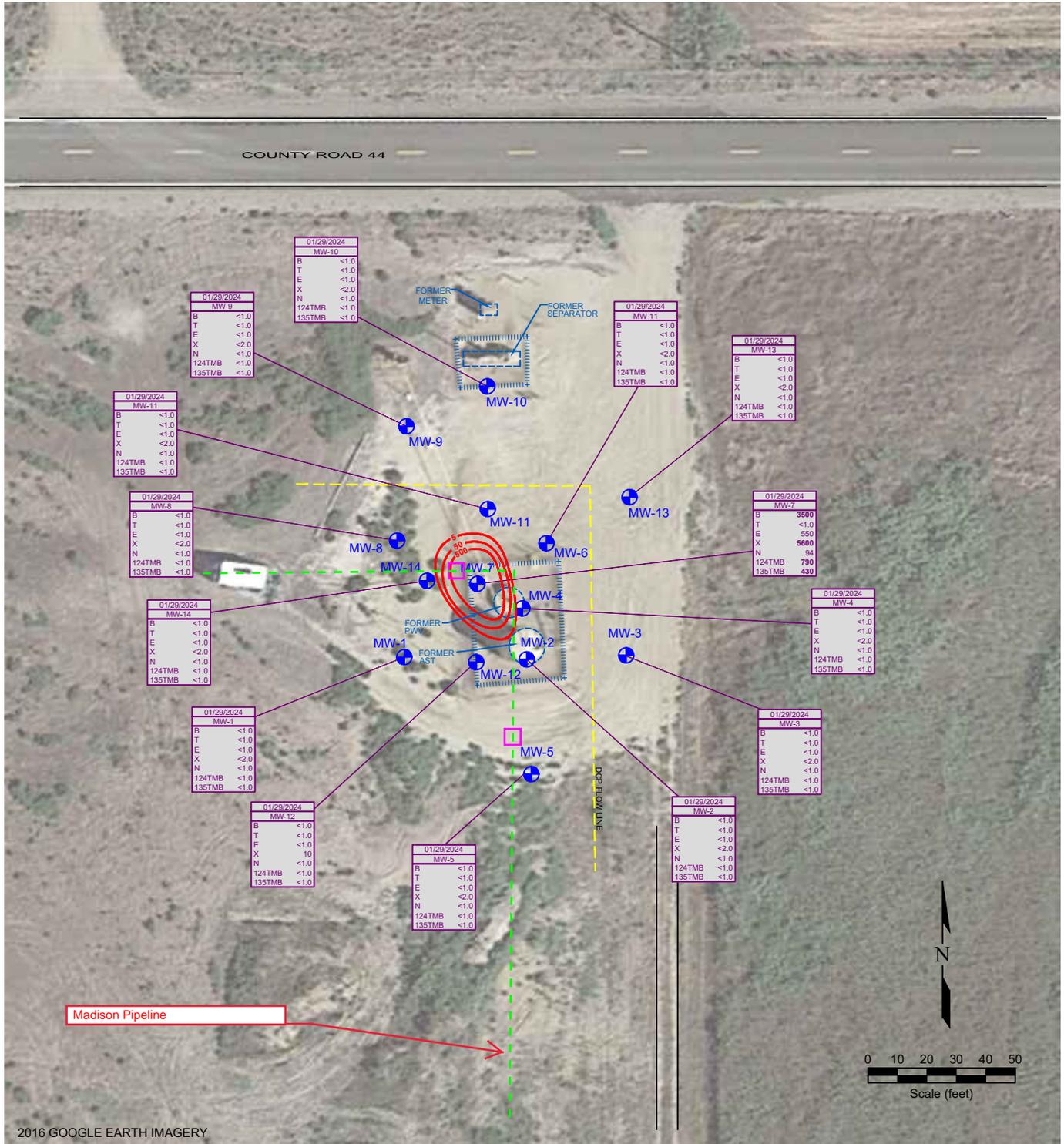
- + MONITORING WELL
- FORMER FORMER FACILITY
- DCP FLOW LINE DCP FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL
- (93.74) GROUND WATER ELEVATION
(ft above arbitrary datum)
- NM NOT MEASURED
- 93.40 WATER TABLE CONTOUR
- GROUND WATER FLOW DIRECTION

**Figure 3
INFERRED GROUNDWATER CONTOUR
January 29, 2024**

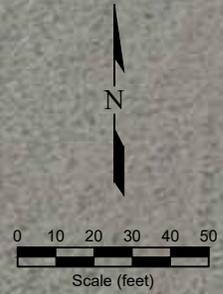
Noble Energy, Inc. ~ HSR Fisher 6-23
NWNE, Sec 23, T4N, R65W, 6th P.M.
Weld County, Colorado
40.30500 ° -104.630639 °

Project No. CO24-016	API #	Facility # 309888
Date 1/31/24	Remediation #	Filename 24016Q





2016 GOOGLE EARTH IMAGERY



LEGEND

- MONITORING WELL
- AST ABOVE GROUND STORAGE TANK
- FORMER FORMER FACILITY
- DCP FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

01/29/2024	DATE SAMPLED
MW-1	SAMPLE ID
B	<1.0
T	<1.0
E	<1.0
X	<2.0
N	<1.0
124TMB	<1.0
135TMB	<1.0

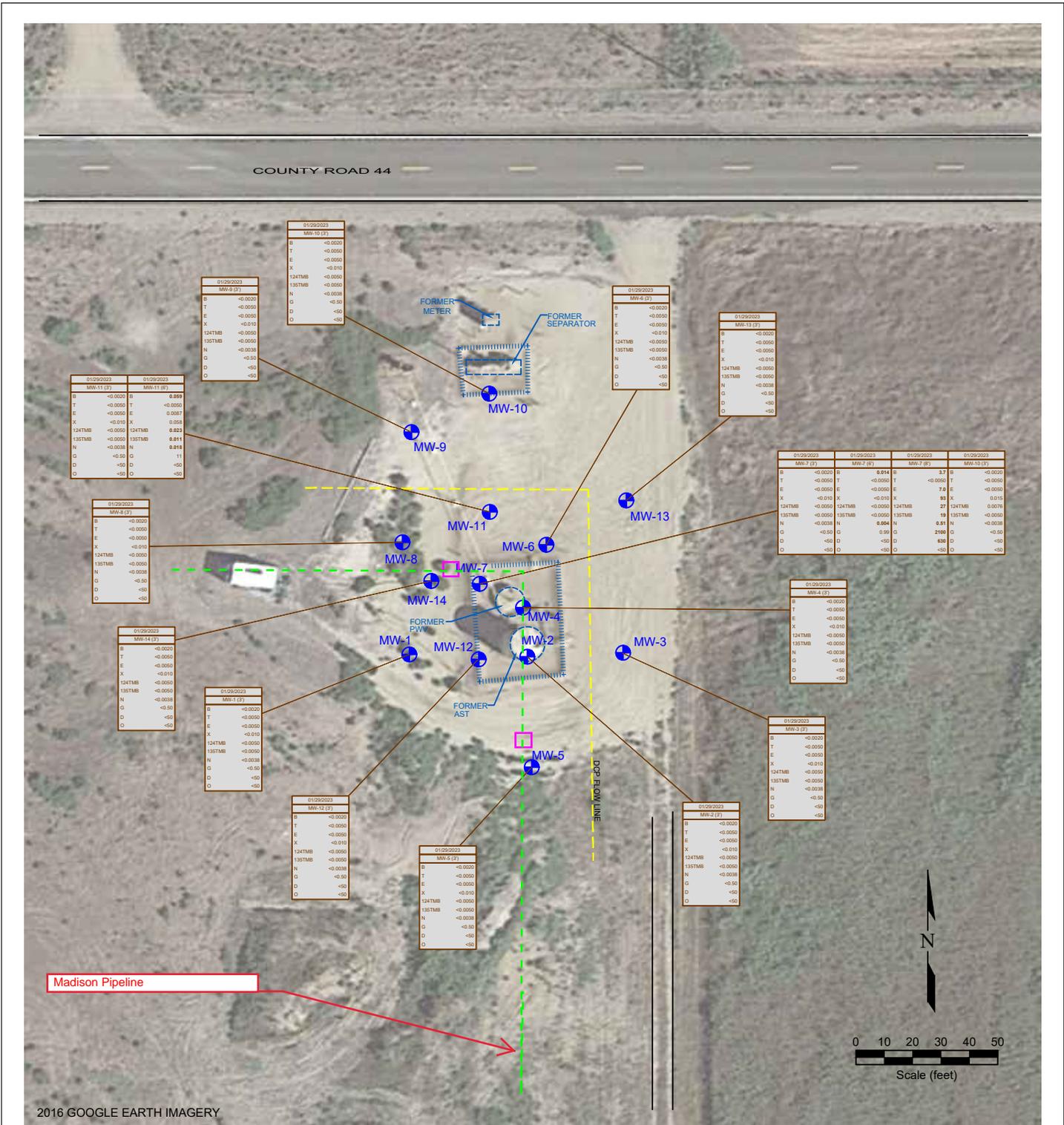
5 BENZENE ISOCONCENTRATION (ug/L)

**Figure 4
GROUNDWATER CHEMISTRY MAP
January 29, 2024**

Noble Energy, Inc. ~ HSR Fisher 6-23
NWNE, Sec 23, T4N, R65W, 6th P.M.
Weld County, Colorado
40.30500 ° -104.630639 °

Project No. CO24-016	API #	Facility # 309888
Date 1/31/24	Remediation #	Filename 24016Q





LEGEND

- MONITORING WELL
- AST ABOVE GROUND STORAGE TANK
- FORMER FORMER FACILITY
- DCP FLOW LINE
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

DATE SAMPLED	SAMPLE ID and DEPTH (ft)
01/29/2023	MW-1 (FT)
B	<0.0020
T	<0.0050
E	<0.0050
X	<0.010
124TMB	<0.0050
135TMB	<0.0050
N	<0.0038
G	<0.50
D	<0.50
D	<0.50

DATE SAMPLED	SAMPLE ID and DEPTH (ft)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	1,2,4-TRIMETHYLBENZENE (mg/kg)	1,3,5-TRIMETHYLBENZENE (mg/kg)	NAPHTHALENE (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)
01/29/2023	MW-1 (FT)	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<0.50

Figure 5
SOIL CHEMISTRY MAP
 January 29, 2024
 Noble Energy, Inc. ~ HSR Fisher 6-23
 NWNE, Sec 23, T4N, R65W, 6th P.M.
 Weld County, Colorado
 40.30500 ° -104.630639 °

Project No. CO24-016	API #	Facility # 309888	
Date 1/31/24	Remediation #	Filename 24016Q	

Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

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Photo Log



Description:

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Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

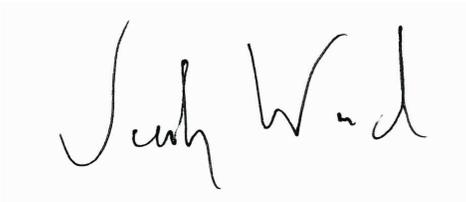
303.277.9310

January 24, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Noble - HSR Fischer 6-23
Work Order #2401325

Enclosed are the results of analyses for samples received by Summit Scientific on 01/19/24 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and "W".

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WC01@4'	2401325-01	Soil	01/19/24 00:00	01/19/24 16:50
GW01	2401325-02	Water	01/19/24 00:00	01/19/24 16:50

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.

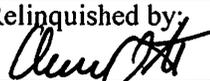
SUMMIT SCIENTIFIC

4653 Table Mountain Drive
Golden, CO 80403
303-277-9310

Lab ID	Page 1 of 1
2401325	

	Send Data To:	Send Invoice To:
Client: Fremont Environmental	Project Manager: Paul Henehan	Company: Noble
Address: 8305 6th Street	E-Mail: Fremont Distribution List	Project Name/Location:
City/State/Zip: Wellington, CO, 80549		AFE#:
Phone: 603-477-6907	Project Name: HSR Fischer 6-23	PO/Billing Codes:
Sampler Name: Aaron Otilar	Project Number: C024-016	Contact: Milbe Montoya

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested							Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN - 915	TPH (C6-C36)	PAH	TMB's - 915	Metals (915-1)	SAR, EC, pH, Boron		TDS, Cl, SO4
1	WCO124	1/19/24		2			X						X	X	X	X	X	X		
2	CW01	1/19/24		4	3				X				X			X			X	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by: 	Date/Time: 1/19/24 1650	Received by: Summit North Office	Date/Time: 1/19/24 1650	TAT Business Days	Field DO	Notes: * Send Results Mon Morning
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/>	Field EC	
				1 Day <input type="checkbox"/>	Field ORP	
				2 Days <input type="checkbox"/>	Field pH	
				3 Days <input type="checkbox"/>	Field Temp.	
				Standard <input type="checkbox"/>	Field Turb.	
Temperature Upon Receipt: 10.0	Corrected Temperature: 0	IR gun #: 1	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2401325

Client: Fremont

Client Project ID: HSR Fischer Co-23

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

-

Matrix (Check all that apply)

Air

Soil/Solid

Water

Other

Temp (°C)

Thermometer #

	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"/>	
If custody seals are present, are they intact? (1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on 7 CE
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same day
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"/>	no time stamps
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

1/19/24
Date/Time

25 11 14



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

WC01@4'
2401325-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA0701	01/19/24	01/20/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0404	101 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0402	101 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0408	102 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA0700	01/19/24	01/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	4.61	36.9 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

WC01@4'
2401325-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA0714	01/22/24	01/23/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0211	63.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0224	67.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA0705	01/22/24	01/23/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

WC01@4'
2401325-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.12	0.200	mg/kg dry	1	BHA0710	01/22/24	01/23/24	EPA 6020B	
Barium	31.6	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	2.96	0.400	"	"	"	"	"	"	
Lead	3.28	0.200	"	"	"	"	"	"	
Nickel	2.86	0.400	"	"	"	"	"	"	
Silver	ND	0.0200	"	"	"	"	"	"	
Zinc	11.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA0746	01/22/24	01/22/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	52.2	0.0500	mg/L dry	1	BHA0702	01/19/24	01/23/24	EPA 6020B	
Magnesium	12.0	0.0500	"	"	"	"	"	"	
Sodium	52.5	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.70	0.00100	units	1	BHA0804	01/23/24	01/23/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

WC01@4'
2401325-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.7		%	1	BHA0707	01/22/24	01/22/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.394	0.0100	mmhos/cm	1	BHA0727	01/22/24	01/23/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.94		pH Units	1	BHA0726	01/22/24	01/23/24	EPA 9045D	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

GW01
2401325-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	190	1.0	ug/l	1	BHA0693	01/19/24	01/19/24	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	5.8	1.0	"	"	"	"	"	"	
Xylenes (total)	68	2.0	"	"	"	"	"	"	
Naphthalene	5.8	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	94	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	57	1.0	"	"	"	"	"	"	

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.4	101 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	13.4	100 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	14.7	110 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	381	12.0	mg/L	200	BHA0735	01/22/24	01/23/24	EPA 300.0	
Sulfate	241	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/19/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	1800	10.0	mg/L	1	BHA0708	01/22/24	01/22/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA0693 - EPA 5030 Water MS

Blank (BHA0693-BLK1)

Prepared & Analyzed: 01/19/24

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	12.7		"	13.3		95.4		23-173		
<i>Surrogate: Toluene-d8</i>	13.4		"	13.3		101		20-170		
<i>Surrogate: 4-Bromofluorobenzene</i>	13.7		"	13.3		103		21-167		

LCS (BHA0693-BS1)

Prepared & Analyzed: 01/19/24

Benzene	43.2	1.0	ug/l	33.3		130		51-132		
Toluene	42.3	1.0	"	33.3		127		51-138		
Ethylbenzene	38.5	1.0	"	33.3		116		58-146		
m,p-Xylene	77.6	2.0	"	66.7		116		57-144		
o-Xylene	39.8	1.0	"	33.3		119		53-146		
Naphthalene	34.2	1.0	"	33.3		103		70-130		
1,2,4-Trimethylbenzene	39.0	1.0	"	33.3		117		70-130		
1,3,5-Trimethylbenzene	38.4	1.0	"	33.3		115		70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.1		"	13.3		98.2		23-173		
<i>Surrogate: Toluene-d8</i>	13.7		"	13.3		103		20-170		
<i>Surrogate: 4-Bromofluorobenzene</i>	13.5		"	13.3		101		21-167		

Matrix Spike (BHA0693-MS1)

Source: 2401271-04

Prepared & Analyzed: 01/19/24

Benzene	42.4	1.0	ug/l	33.3	ND	127		34-141		
Toluene	41.1	1.0	"	33.3	ND	123		27-151		
Ethylbenzene	37.5	1.0	"	33.3	ND	113		29-160		
m,p-Xylene	75.2	2.0	"	66.7	ND	113		20-166		
o-Xylene	38.7	1.0	"	33.3	ND	116		33-159		
Naphthalene	37.0	1.0	"	33.3	ND	111		70-130		
1,2,4-Trimethylbenzene	38.1	1.0	"	33.3	ND	114		70-130		
1,3,5-Trimethylbenzene	36.7	1.0	"	33.3	ND	110		70-130		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.2		"	13.3		98.8		23-173		
<i>Surrogate: Toluene-d8</i>	13.5		"	13.3		101		20-170		
<i>Surrogate: 4-Bromofluorobenzene</i>	13.9		"	13.3		104		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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA0693 - EPA 5030 Water MS

Matrix Spike Dup (BHA0693-MSD1)	Source: 2401271-04			Prepared & Analyzed: 01/19/24						
Benzene	43.5	1.0	ug/l	33.3	ND	131	34-141	2.72	30	
Toluene	43.7	1.0	"	33.3	ND	131	27-151	6.23	30	
Ethylbenzene	38.5	1.0	"	33.3	ND	116	29-160	2.63	30	
m,p-Xylene	76.7	2.0	"	66.7	ND	115	20-166	1.88	30	
o-Xylene	40.2	1.0	"	33.3	ND	121	33-159	3.95	30	
Naphthalene	38.1	1.0	"	33.3	ND	114	70-130	3.01	30	
1,2,4-Trimethylbenzene	39.4	1.0	"	33.3	ND	118	70-130	3.40	30	
1,3,5-Trimethylbenzene	37.8	1.0	"	33.3	ND	113	70-130	2.87	30	
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3		102	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	21-167			

Batch BHA0701 - EPA 5030 Soil MS

Blank (BHA0701-BLK1)	Prepared: 01/19/24 Analyzed: 01/20/24									
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0406		"	0.0400		101	50-150			
Surrogate: Toluene-d8	0.0407		"	0.0400		102	50-150			
Surrogate: 4-Bromofluorobenzene	0.0419		"	0.0400		105	50-150			

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

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

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

Batch BHA0701 - EPA 5030 Soil MS

LCS (BHA0701-BS1)

Prepared: 01/19/24 Analyzed: 01/20/24

Benzene	0.101	0.0020	mg/kg	0.100		101	70-130			
Toluene	0.0997	0.0050	"	0.100		99.7	70-130			
Ethylbenzene	0.0862	0.0050	"	0.100		86.2	70-130			
m,p-Xylene	0.177	0.010	"	0.200		88.5	70-130			
o-Xylene	0.0947	0.0050	"	0.100		94.7	70-130			
1,2,4-Trimethylbenzene	0.0952	0.0050	"	0.100		95.2	70-130			
1,3,5-Trimethylbenzene	0.0909	0.0050	"	0.100		90.9	70-130			
Naphthalene	0.125	0.0038	"	0.100		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0400		95.1	50-150			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	50-150			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	50-150			

Matrix Spike (BHA0701-MS1)

Source: 2401324-01

Prepared: 01/19/24 Analyzed: 01/20/24

Benzene	0.123	0.0020	mg/kg	0.100	0.0148	108	70-130			
Toluene	0.173	0.0050	"	0.100	0.0652	108	70-130			
Ethylbenzene	0.0923	0.0050	"	0.100	ND	92.3	70-130			
m,p-Xylene	0.278	0.010	"	0.200	0.107	85.6	70-130			
o-Xylene	0.116	0.0050	"	0.100	0.0229	93.2	70-130			
1,2,4-Trimethylbenzene	0.132	0.0050	"	0.100	0.0462	85.9	70-130			
1,3,5-Trimethylbenzene	0.114	0.0050	"	0.100	0.0302	83.9	70-130			
Naphthalene	0.119	0.0038	"	0.100	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0427		"	0.0400		107	50-150			
Surrogate: Toluene-d8	0.0421		"	0.0400		105	50-150			
Surrogate: 4-Bromofluorobenzene	0.0426		"	0.0400		106	50-150			

Matrix Spike Dup (BHA0701-MSD1)

Source: 2401324-01

Prepared: 01/19/24 Analyzed: 01/20/24

Benzene	0.117	0.0020	mg/kg	0.100	0.0148	103	70-130	4.43	30	
Toluene	0.150	0.0050	"	0.100	0.0652	84.9	70-130	14.1	30	
Ethylbenzene	0.0892	0.0050	"	0.100	ND	89.2	70-130	3.44	30	
m,p-Xylene	0.248	0.010	"	0.200	0.107	70.5	70-130	11.4	30	
o-Xylene	0.108	0.0050	"	0.100	0.0229	84.8	70-130	7.51	30	
1,2,4-Trimethylbenzene	0.123	0.0050	"	0.100	0.0462	76.7	70-130	7.22	30	
1,3,5-Trimethylbenzene	0.109	0.0050	"	0.100	0.0302	78.4	70-130	4.91	30	
Naphthalene	0.113	0.0038	"	0.100	ND	113	70-130	5.59	30	
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0400		103	50-150			
Surrogate: Toluene-d8	0.0415		"	0.0400		104	50-150			
Surrogate: 4-Bromofluorobenzene	0.0423		"	0.0400		106	50-150			

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHA0700 - EPA 3550A

Blank (BHA0700-BLK1)

Prepared: 01/19/24 Analyzed: 01/20/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	11.5		"	12.5		91.7	30-150				

LCS (BHA0700-BS1)

Prepared: 01/19/24 Analyzed: 01/20/24

C10-C28 (DRO)	518	50	mg/kg	500		104	70-130				
Surrogate: <i>o</i> -Terphenyl	9.71		"	12.5		77.7	30-150				

Matrix Spike (BHA0700-MS1)

Source: 2401324-01

Prepared: 01/19/24 Analyzed: 01/20/24

C10-C28 (DRO)	486	50	mg/kg	500	19.9	93.1	70-130				
Surrogate: <i>o</i> -Terphenyl	8.21		"	12.5		65.7	30-150				

Matrix Spike Dup (BHA0700-MSD1)

Source: 2401324-01

Prepared: 01/19/24 Analyzed: 01/20/24

C10-C28 (DRO)	513	50	mg/kg	500	19.9	98.6	70-130	5.43	20		
Surrogate: <i>o</i> -Terphenyl	8.91		"	12.5		71.3	30-150				

Summit Scientific

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PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHA0714 - EPA 5030 Soil MS

Blank (BHA0714-BLK1)

Prepared & Analyzed: 01/22/24

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0360</i>		"	<i>0.0333</i>		<i>108</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0452</i>		"	<i>0.0333</i>		<i>136</i>		<i>40-150</i>		

LCS (BHA0714-BS1)

Prepared & Analyzed: 01/22/24

Acenaphthene	0.0408	0.00500	mg/kg	0.0333		122		31-137		
Anthracene	0.0386	0.00500	"	0.0333		116		30-120		
Benzo (a) anthracene	0.0342	0.00500	"	0.0333		103		30-120		
Benzo (a) pyrene	0.0305	0.00500	"	0.0333		91.5		30-120		
Benzo (b) fluoranthene	0.0401	0.00500	"	0.0333		120		30-120		
Benzo (k) fluoranthene	0.0344	0.00500	"	0.0333		103		30-120		
Chrysene	0.0377	0.00500	"	0.0333		113		30-120		
Dibenz (a,h) anthracene	0.0350	0.00500	"	0.0333		105		30-120		
Fluoranthene	0.0382	0.00500	"	0.0333		115		30-120		
Fluorene	0.0399	0.00500	"	0.0333		120		30-120		
Indeno (1,2,3-cd) pyrene	0.0248	0.00500	"	0.0333		74.3		30-120		
Pyrene	0.0291	0.00500	"	0.0333		87.2		35-142		
1-Methylnaphthalene	0.0398	0.00500	"	0.0333		120		35-142		
2-Methylnaphthalene	0.0398	0.00500	"	0.0333		119		35-142		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0382</i>		"	<i>0.0333</i>		<i>115</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0430</i>		"	<i>0.0333</i>		<i>129</i>		<i>40-150</i>		

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Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHA0714 - EPA 5030 Soil MS

Matrix Spike (BHA0714-MS1)	Source: 2401283-01			Prepared & Analyzed: 01/22/24							
Acenaphthene	0.0297	0.00500	mg/kg	0.0333	ND	89.2	31-137				
Anthracene	0.0294	0.00500	"	0.0333	ND	88.2	30-120				
Benzo (a) anthracene	0.0277	0.00500	"	0.0333	ND	83.0	30-120				
Benzo (a) pyrene	0.0251	0.00500	"	0.0333	ND	75.4	30-120				
Benzo (b) fluoranthene	0.0335	0.00500	"	0.0333	ND	101	30-120				
Benzo (k) fluoranthene	0.0326	0.00500	"	0.0333	ND	97.7	30-120				
Chrysene	0.0317	0.00500	"	0.0333	ND	95.2	30-120				
Dibenz (a,h) anthracene	0.0310	0.00500	"	0.0333	ND	93.0	30-120				
Fluoranthene	0.0305	0.00500	"	0.0333	ND	91.6	30-120				
Fluorene	0.0297	0.00500	"	0.0333	ND	89.2	30-120				
Indeno (1,2,3-cd) pyrene	0.0225	0.00500	"	0.0333	ND	67.5	30-120				
Pyrene	0.0223	0.00500	"	0.0333	ND	67.0	35-142				
1-Methylnaphthalene	0.0306	0.00500	"	0.0333	ND	91.7	15-130				
2-Methylnaphthalene	0.0317	0.00500	"	0.0333	ND	95.2	15-130				
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0246</i>		<i>"</i>	<i>0.0333</i>		<i>73.8</i>	<i>40-150</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0312</i>		<i>"</i>	<i>0.0333</i>		<i>93.6</i>	<i>40-150</i>				

Matrix Spike Dup (BHA0714-MSD1)	Source: 2401283-01			Prepared & Analyzed: 01/22/24							
Acenaphthene	0.0243	0.00500	mg/kg	0.0333	ND	73.0	31-137	20.0	30		
Anthracene	0.0236	0.00500	"	0.0333	ND	70.8	30-120	21.9	30		
Benzo (a) anthracene	0.0237	0.00500	"	0.0333	ND	71.2	30-120	15.4	30		
Benzo (a) pyrene	0.0205	0.00500	"	0.0333	ND	61.4	30-120	20.4	30		
Benzo (b) fluoranthene	0.0278	0.00500	"	0.0333	ND	83.3	30-120	18.8	30		
Benzo (k) fluoranthene	0.0265	0.00500	"	0.0333	ND	79.5	30-120	20.5	30		
Chrysene	0.0253	0.00500	"	0.0333	ND	75.8	30-120	22.7	30		
Dibenz (a,h) anthracene	0.0254	0.00500	"	0.0333	ND	76.1	30-120	20.0	30		
Fluoranthene	0.0238	0.00500	"	0.0333	ND	71.3	30-120	24.9	30		
Fluorene	0.0242	0.00500	"	0.0333	ND	72.5	30-120	20.6	30		
Indeno (1,2,3-cd) pyrene	0.0204	0.00500	"	0.0333	ND	61.2	30-120	9.90	30		
Pyrene	0.0153	0.00500	"	0.0333	ND	45.9	35-142	37.4	30		QR-02
1-Methylnaphthalene	0.0239	0.00500	"	0.0333	ND	71.7	15-130	24.5	50		
2-Methylnaphthalene	0.0237	0.00500	"	0.0333	ND	71.0	15-130	29.1	50		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0218</i>		<i>"</i>	<i>0.0333</i>		<i>65.5</i>	<i>40-150</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0249</i>		<i>"</i>	<i>0.0333</i>		<i>74.7</i>	<i>40-150</i>				

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHA0705 - EPA 3050B

Blank (BHA0705-BLK1)

Prepared & Analyzed: 01/22/24

Boron ND 2.00 mg/L

LCS (BHA0705-BS1)

Prepared & Analyzed: 01/22/24

Boron 6.22 2.00 mg/L 5.00 124 80-120 QLCS-01

Duplicate (BHA0705-DUP1)

Source: 2401299-01

Prepared & Analyzed: 01/22/24

Boron 0.374 2.00 mg/L 0.420 11.5 20

Matrix Spike (BHA0705-MS1)

Source: 2401299-01

Prepared & Analyzed: 01/22/24

Boron 6.06 2.00 mg/L 5.00 0.420 113 75-125

Matrix Spike Dup (BHA0705-MSD1)

Source: 2401299-01

Prepared & Analyzed: 01/22/24

Boron 6.59 2.00 mg/L 5.00 0.420 123 75-125 8.42 25

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0710 - EPA 3050B

Blank (BHA0710-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BHA0710-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

Arsenic	37.2	0.200	mg/kg wet	40.0	92.9	80-120				
Barium	37.0	0.400	"	40.0	92.6	80-120				
Cadmium	1.82	0.200	"	2.00	91.0	80-120				
Copper	38.1	0.400	"	40.0	95.2	80-120				
Lead	22.0	0.200	"	20.0	110	80-120				
Nickel	37.8	0.400	"	40.0	94.6	80-120				
Silver	1.81	0.0200	"	2.00	90.6	80-120				
Zinc	38.0	0.400	"	40.0	94.9	80-120				
Selenium	3.29	0.260	"	4.00	82.2	80-120				

Duplicate (BHA0710-DUP1)

Source: 2311398-11

Prepared: 01/22/24 Analyzed: 01/23/24

Arsenic	3.84	0.200	mg/kg dry	4.30	11.4	20				
Barium	83.4	0.400	"	108	25.4	20				QR-04
Cadmium	0.351	0.200	"	0.381	8.37	20				
Copper	4.73	0.400	"	4.92	3.96	20				
Lead	6.97	0.200	"	7.35	5.34	20				
Nickel	5.05	0.400	"	5.34	5.60	20				
Silver	0.0238	0.0200	"	0.0263	9.71	20				
Zinc	15.7	0.400	"	16.2	3.02	20				
Selenium	ND	0.260	"	ND		20				

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PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA0710 - EPA 3050B

Matrix Spike (BHA0710-MS1)

Source: 2311398-11

Prepared: 01/22/24 Analyzed: 01/23/24

Arsenic	40.8	0.200	mg/kg dry	48.6	4.30	75.1	75-125				
Barium	130	0.400	"	48.6	108	46.3	75-125				QM-07
Cadmium	2.30	0.200	"	2.43	0.381	79.0	75-125				
Copper	27.0	0.400	"	48.6	4.92	45.5	75-125				QM-07
Lead	24.9	0.200	"	24.3	7.35	72.0	75-125				QM-07
Nickel	27.7	0.400	"	48.6	5.34	45.9	75-125				QM-07
Silver	1.86	0.0200	"	2.43	0.0263	75.4	75-125				
Zinc	38.0	0.400	"	48.6	16.2	45.0	75-125				QM-07
Selenium	3.62	0.260	"	4.86	ND	74.5	75-125				QM-07

Matrix Spike Dup (BHA0710-MSD1)

Source: 2311398-11

Prepared: 01/22/24 Analyzed: 01/23/24

Arsenic	41.0	0.200	mg/kg dry	48.6	4.30	75.5	75-125	0.486	25		
Barium	130	0.400	"	48.6	108	46.2	75-125	0.0220	25		QM-07
Cadmium	2.31	0.200	"	2.43	0.381	79.3	75-125	0.295	25		
Copper	26.9	0.400	"	48.6	4.92	45.2	75-125	0.489	25		QM-07
Lead	25.0	0.200	"	24.3	7.35	72.8	75-125	0.756	25		QM-07
Nickel	27.6	0.400	"	48.6	5.34	45.7	75-125	0.264	25		QM-07
Silver	1.88	0.0200	"	2.43	0.0263	76.4	75-125	1.30	25		
Zinc	37.9	0.400	"	48.6	16.2	44.7	75-125	0.330	25		QM-07
Selenium	3.64	0.260	"	4.86	ND	74.9	75-125	0.495	25		QM-07

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 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHA0746 - 3060A Mod

Blank (BHA0746-BLK1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHA0746-BS1)

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 24.8 0.30 mg/kg wet 25.0 99.2 80-120

Duplicate (BHA0746-DUP1)

Source: 2401304-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHA0746-MS1)

Source: 2401304-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 23.0 0.30 mg/kg dry 25.6 ND 89.8 75-125

Matrix Spike Dup (BHA0746-MSD1)

Source: 2401304-01

Prepared & Analyzed: 01/22/24

Chromium, Hexavalent 22.8 0.30 mg/kg dry 25.6 ND 89.0 75-125 0.895 20

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA0702 - General Preparation

Blank (BHA0702-BLK1)

Prepared: 01/19/24 Analyzed: 01/23/24

Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BHA0702-BS1)

Prepared: 01/19/24 Analyzed: 01/23/24

Calcium	6.34	0.0500	mg/L wet	5.00		127	70-130			
Magnesium	5.71	0.0500	"	5.00		114	70-130			
Sodium	5.75	0.0500	"	5.00		115	70-130			

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BHA0735 - General Preparation

Blank (BHA0735-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

Chloride	ND	0.0600	mg/L							
Sulfate	ND	0.300	"							

LCS (BHA0735-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

Chloride	3.04	0.0600	mg/L	3.00	101	90-110			
Sulfate	14.6	0.300	"	15.0	97.5	90-110			

Duplicate (BHA0735-DUP1)

Source: 2401276-01

Prepared: 01/22/24 Analyzed: 01/23/24

Chloride	275	12.0	mg/L	273			0.731	20
Sulfate	1700	60.0	"	1730			1.60	20

Matrix Spike (BHA0735-MS1)

Source: 2401276-01

Prepared: 01/22/24 Analyzed: 01/23/24

Chloride	882	12.0	mg/L	600	273	102	80-120
Sulfate	4740	60.0	"	3000	1730	101	80-120

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BHA0707 - General Preparation

Duplicate (BHA0707-DUP1)	Source: 2311398-11			Prepared & Analyzed: 01/22/24		
% Solids	82.6		%	82.2		0.371 20

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BHA0708 - General Preparation

Blank (BHA0708-BLK1)

Prepared & Analyzed: 01/22/24

Total Dissolved Solids ND 10.0 mg/L

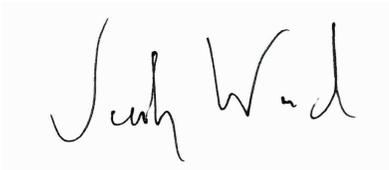
Duplicate (BHA0708-DUP1)

Source: 2401276-01

Prepared & Analyzed: 01/22/24

Total Dissolved Solids 2170 10.0 mg/L 2130 2.00 20

Summit Scientific



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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA0727 - General Preparation

Blank (BHA0727-BLK1)

Prepared: 01/22/24 Analyzed: 01/23/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHA0727-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.150 104 95-105

Duplicate (BHA0727-DUP1)

Source: 2401324-01

Prepared: 01/22/24 Analyzed: 01/23/24

Specific Conductance (EC) 0.468 0.0100 mmhos/cm 0.477 1.84 20

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
 Project Manager: Paul Henchan

Reported:
 01/24/24 09:26

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA0726 - General Preparation

LCS (BHA0726-BS1)

Prepared: 01/22/24 Analyzed: 01/23/24

pH	9.03	pH Units	9.18	98.4	95-105
----	------	----------	------	------	--------

Duplicate (BHA0726-DUP1)

Source: 2401324-01

Prepared: 01/22/24 Analyzed: 01/23/24

pH	7.89	pH Units	8.00	1.38	20
----	------	----------	------	------	----

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Noble - HSR Fischer 6-23

Project Number: CO24-016
Project Manager: Paul Henchan

Reported:
01/24/24 09:26

Notes and Definitions

- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- QLCS-01 The spike recovery was outside acceptance limits for this analyte indicating a potential high bias. The corresponding samples did not exhibit concentrations above reporting level for this analyte. Data quality is not affected.
- 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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

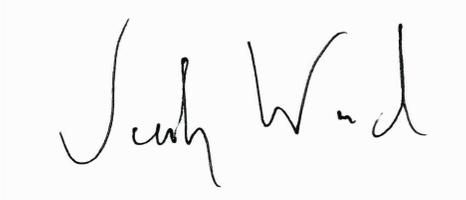
303.277.9310

February 05, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Chevron - HSR Fischer
Work Order #2401513

Enclosed are the results of analyses for samples received by Summit Scientific on 01/29/24 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jacob Wood". The signature is written in a cursive style with a small "w" at the end of the last name.

Jacob Wood For Paul Shrewsbury
President



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2401513-01	Water	01/29/24 00:00	01/29/24 17:30
MW-2	2401513-02	Water	01/29/24 00:00	01/29/24 17:30
MW-3	2401513-03	Water	01/29/24 00:00	01/29/24 17:30
MW-4	2401513-04	Water	01/29/24 00:00	01/29/24 17:30
MW-5	2401513-05	Water	01/29/24 00:00	01/29/24 17:30
MW-6	2401513-06	Water	01/29/24 00:00	01/29/24 17:30
MW-7	2401513-07	Water	01/29/24 00:00	01/29/24 17:30
MW-8	2401513-08	Water	01/29/24 00:00	01/29/24 17:30
MW-9	2401513-09	Water	01/29/24 00:00	01/29/24 17:30
MW-10	2401513-10	Water	01/29/24 00:00	01/29/24 17:30
MW-11	2401513-11	Water	01/29/24 00:00	01/29/24 17:30
MW-12	2401513-12	Water	01/29/24 00:00	01/29/24 17:30
MW-13	2401513-13	Water	01/29/24 00:00	01/29/24 17:30
MW-14	2401513-14	Water	01/29/24 00:00	01/29/24 17:30
MW-1 3FT	2401513-15	Soil	01/29/24 00:00	01/29/24 17:30
MW-2 3FT	2401513-16	Soil	01/29/24 00:00	01/29/24 17:30
MW-3 3FT	2401513-17	Soil	01/29/24 00:00	01/29/24 17:30
MW-4 3FT	2401513-18	Soil	01/29/24 00:00	01/29/24 17:30
MW-5 3FT	2401513-19	Soil	01/29/24 00:00	01/29/24 17:30
MW-6 3FT	2401513-20	Soil	01/29/24 00:00	01/29/24 17:30
MW-7 3FT	2401513-21	Soil	01/29/24 00:00	01/29/24 17:30
MW-7 6FT	2401513-22	Soil	01/29/24 00:00	01/29/24 17:30
MW-7 8FT	2401513-23	Soil	01/29/24 00:00	01/29/24 17:30
MW-7 10FT	2401513-24	Soil	01/29/24 00:00	01/29/24 17:30
MW-8 3FT	2401513-25	Soil	01/29/24 00:00	01/29/24 17:30
MW-9 3FT	2401513-26	Soil	01/29/24 00:00	01/29/24 17:30
MW-10 3FT	2401513-27	Soil	01/29/24 00:00	01/29/24 17:30

Summit Scientific

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



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11 3FT	2401513-28	Soil	01/29/24 00:00	01/29/24 17:30
MW-11 6FT	2401513-29	Soil	01/29/24 00:00	01/29/24 17:30
MW-12 3FT	2401513-30	Soil	01/29/24 00:00	01/29/24 17:30
MW-13 3FT	2401513-31	Soil	01/29/24 00:00	01/29/24 17:30
MW-14 3FT	2401513-32	Soil	01/29/24 00:00	01/29/24 17:30

Summit Scientific

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

Summit Scientific

S₂

2401513-1

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 4

Client: Fremont Environmental Inc.

Project Manager: Paul Henehan

Address:

E-Mail: CHEVRON TEAM

City/State/Zip:

Phone:

Project Name: HSR FISCHER

Sampler Name: HENEHAN

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions	
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	GBTEXN+TMBs	DRO,RRO	PAHs	pH, EC, SAR	Boron	915-1 metals	Arsenic	BTEXN + TMBs	TDS, Cl, Su
1	MW-1	1/29/24		4	✓		✓		✓										✓	✓	
2	MW-2																				
3	MW-3																				
4	MW-4																				
5	MW-5																				
6	MW-6																				
7	MW-7																				
8	MW-8																				
9	MW-9																				
10	MW-10																				
Relinquished by: <u>[Signature]</u>		Date/Time: <u>1/29/24 1730</u>		Received by: <u>[Signature]</u>		Date/Time: <u>1/29/24 1730</u>		Turn Around Time (Check)		Same Day <input checked="" type="checkbox"/>		72 hours <input type="checkbox"/>		Standard <input type="checkbox"/>		Notes:					
Relinquished by:		Date/Time:		Received by:		Date/Time:		48 hours <input type="checkbox"/>		Sample Integrity:		Temperature Upon Receipt: <u>12.7</u>		Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No							
Relinquished by:		Date/Time:		Received by:		Date/Time:															

Summit Scientific

S₂

2401513.2

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 2 of 4

Client: Fremont Environmental Inc.

Project Manager: Paul Henehan

Address:

E-Mail:

City/State/Zip:

Phone:

Project Name: HSR FISCHER

Sampler Name: HENEHAN

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	GBTEXN+TMBs	DRO,RRO	PAHs	pH, EC, SAR	Boron	9/5-1 metals	Arsenic	BTEXN + TMBs	TDS, Cl, Su	
1	MW-11	1/29/24		4					✓											✓	✓	
2	MW-12			4					✓											✓	✓	
3	MW-13			4					✓											✓	✓	
4	MW-14			4					✓											✓	✓	
5	MW-1 3 FT			2						✓			✓	✓	✓	✓	✓	✓				
6	MW-2 3 FT			2						✓												
7	MW-3 3 FT			2						✓												
8	MW-4 3 FT			2						✓												
9	MW-5 3 FT			2						✓												
10	MW-6 3 FT			2						✓												
Relinquished by: <u>PNA/KF</u>		Date/Time: <u>1/29/24 1730</u>		Received by: <u>[Signature]</u>		Date/Time: <u>12924 1730</u>		Turn-Around Time (Check)		Same Day <input checked="" type="checkbox"/>		72 hours <input type="checkbox"/>		24 hours <input type="checkbox"/>		Standard <input type="checkbox"/>		48 hours <input type="checkbox"/>		Notes:		
Relinquished by:		Date/Time:		Received by:		Date/Time:		Sample Integrity:		Temperature Upon Receipt: <u>12.7</u>		Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										

Summit Scientific

2401513.3

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 3 of 4

Client: Fremont Environmental Inc.

Project Manager: Paul Henehan

Address:

E-Mail:

City/State/Zip:

Phone:

Project Name: HSR FISCHER

Sampler Name: HENEHAN

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions			
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	GBTEXN+TMBs	DRO,RRO	PAHs	pH, EC, SAR	Boron	915-1 metals	Arsenic	BTEXN + TMBs	TDS, Cl, Su		
1	MW-7 3 FT			2			✓		✓				✓	✓	✓	✓	✓						
2	MW-7 6 FT			1			✓		✓				✓	✓									
3	MW-7 8 FT			1			✓		✓				✓	✓									
4	MW-7 10 FT			1			✓		✓				✓	✓									
5	MW-8 3 FT			2			✓		✓				✓	✓	✓	✓	✓						
6	MW-9 3 FT			2			✓		✓				✓	✓	✓	✓	✓						
7	MW-10 3 FT			2			✓		✓				✓	✓	✓	✓	✓						
8	MW-11 3 FT			2			✓		✓				✓	✓	✓	✓	✓						
9	MW-11 6 FT			1			✓		✓				✓	✓	✓	✓	✓						
10	MW-12 3 FT			2			✓		✓				✓	✓	✓	✓	✓						

Relinquished by: <u>[Signature]</u>	Date/Time:	Received by: <u>[Signature]</u>	Date/Time: <u>12/24/13</u>	Turn Around Time (Check)	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <input checked="" type="checkbox"/>	72 hours <input type="checkbox"/>
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours <input type="checkbox"/>	Standard <input type="checkbox"/>
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours <input type="checkbox"/>	Sample Integrity:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Temperature Upon Receipt: <u>12.7</u>	Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No

Summit Scientific

S₂

2401513.4

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 4 of 4

Client: Fremont Environmental Inc.

Project Manager: Paul Henehan

Address:

E-Mail: CHEVRON

City/State/Zip:

Phone:

Project Name: HSR FISCHER

Sampler Name: HENEHAN

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions			
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	GBTEXN+TMBs	DRO,RRO	PAHs	pH, EC, SAR	Boron	915-1 metals	Arsenic	BTEXN + TMBs	TDS, Cl, Su			
1	MW-13 3 FT	1/29/24		2			✓			✓				✓	✓	✓	✓	✓	✓					
2	MW-14 3 FT	"		2			✓			✓				✓	✓	✓	✓	✓	✓					
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								

Relinquished by: <u>GA/PE</u>	Date/Time: <u>1/29/24 1730</u>	Received by: <u>[Signature]</u>	Date/Time: <u>1/29/24 1730</u>	Turn Around Time (Check)	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	<input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours	<input checked="" type="checkbox"/> 72 hours <input type="checkbox"/> Standard
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: <u>12.7</u> Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

S₂

4/4

Sample Receipt Checklist

S2 Work Order# _____

Client: Fremont Client Project ID: HSR Fischer

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) 12.7 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"/>	<u>on ice</u>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>same day</u>
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<u>no time stamps</u>
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"/>	<u>HCl</u>
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
1/29/24
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-1
2401513-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/29/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	14.3	107 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.5	108 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.2	106 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	435	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	942	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2570	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-2
2401513-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/29/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.9	104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.2	106 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	411	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	929	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2400	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-3
2401513-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.2	99.1 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.4	108 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	554	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	1390	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	3310	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-4
2401513-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	14.4	108 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.1	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.4	108 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	406	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	830	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2270	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-5
2401513-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.7	103 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.4	108 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	393	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	775	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2180	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-6
2401513-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.8	104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.1	106 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.3	107 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	451	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	928	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2450	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-7
2401513-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3500	1.0	ug/l	1	BHA1027	01/29/24	01/30/24	EPA 8260B	E
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	550	1.0	"	"	"	"	"	"	E
Xylenes (total)	5600	2.0	"	"	"	"	"	"	E
Naphthalene	94	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	790	1.0	"	"	"	"	"	"	E
1,3,5-Trimethylbenzene	430	1.0	"	"	"	"	"	"	E

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	15.5	116 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	14.6	109 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	16.2	122 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	409	12.0	mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	409	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	2170	10.0	mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-8
2401513-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.0	97.9 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.6	109 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	394	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	838	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2110	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-9
2401513-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.6	102 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	107 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.1	106 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	340	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	701	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	1930	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-10
2401513-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.5	101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	107 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.3	107 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	367	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	694	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2160	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-11
2401513-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.9	104 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	107 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.9	111 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	430	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	462	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2380	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-12
2401513-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	1.0		"	"	"	"	"	"	
Ethylbenzene	ND	1.0		"	"	"	"	"	"	
Xylenes (total)	10	2.0		"	"	"	"	"	"	
Naphthalene	ND	1.0		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.5	101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.1	106 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	411	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	840	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2230	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-13
2401513-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.5	101 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.2	106 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.0	105 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	517	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	1090	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2910	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-14
2401513-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHA1027	01/29/24	01/30/24	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: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	13.3	99.7 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	14.0	105 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	14.3	107 %		21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	400	12.0		mg/L	200	BHA1049	01/30/24	01/30/24	EPA 300.0	
Sulfate	778	60.0		"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	2140	10.0		mg/L	1	BHA1121	01/31/24	02/01/24	SM2540C	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-1 3FT
2401513-15 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0450	112 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0410	102 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	97.7 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	4.16	33.2 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-1 3FT
2401513-15 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0151	45.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0145	43.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-1 3FT
2401513-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.85	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B
Barium	90.1	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	8.69	0.400	"	"	"	"	"	"
Lead	9.13	0.200	"	"	"	"	"	"
Nickel	4.82	0.400	"	"	"	"	"	"
Silver	0.0347	0.0200	"	"	"	"	"	"
Zinc	21.3	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	201	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	140	0.0500	"	"	"	"	"	"	
Sodium	621	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	8.23	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-1 3FT
2401513-15 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.6		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.67	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.00		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

Summit Scientific

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PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-2 3FT
2401513-16 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0416	104 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0387	96.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0397	99.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	4.54	36.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-2 3FT
2401513-16 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0150	45.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0137	41.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-2 3FT
2401513-16 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.12	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	90.3	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.96	0.400	"	"	"	"	"	"	
Lead	6.07	0.200	"	"	"	"	"	"	
Nickel	4.14	0.400	"	"	"	"	"	"	
Silver	0.0341	0.0200	"	"	"	"	"	"	
Zinc	17.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	134	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	55.4	0.0500	"	"	"	"	"	"	
Sodium	139	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.55	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-2 3FT
2401513-16 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.9		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.52	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.84		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-3 3FT
2401513-17 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0446	112 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0407	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	97.6 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	5.00	40.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-3 3FT
2401513-17 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0202	60.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0186	55.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-3 3FT
2401513-17 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.67	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	51.9	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.92	0.400	"	"	"	"	"	"	
Lead	4.73	0.200	"	"	"	"	"	"	
Nickel	4.02	0.400	"	"	"	"	"	"	
Silver	0.0292	0.0200	"	"	"	"	"	"	
Zinc	15.8	0.400	"	"	"	"	"	"	
Selenium	0.300	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	32.2	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	17.4	0.0500	"	"	"	"	"	"	
Sodium	164	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.79	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
 PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-3 3FT
2401513-17 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	87.7	%	1	BHA1046	01/30/24	01/31/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.07	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.66		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-4 3FT
2401513-18 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0412	103 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0379	94.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0396	98.9 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	4.19	33.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
 PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-4 3FT
2401513-18 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0152	45.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0165	49.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-4 3FT
2401513-18 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.55	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	104	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	7.62	0.400	"	"	"	"	"	"	
Lead	7.30	0.200	"	"	"	"	"	"	
Nickel	4.52	0.400	"	"	"	"	"	"	
Silver	0.0430	0.0200	"	"	"	"	"	"	
Zinc	22.6	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	40.0	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	13.6	0.0500	"	"	"	"	"	"	
Sodium	67.8	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.36	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Fremont Environmental
 PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

**MW-4 3FT
 2401513-18 (Soil)**

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.5		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.599	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.32		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-5 3FT
2401513-19 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0436	109 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0397	99.2 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	97.4 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	5.40	43.2 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Reported:
 02/05/24 08:50

MW-5 3FT
2401513-19 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0188	56.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0183	54.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-5 3FT
2401513-19 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	0.907	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B
Barium	55.0	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	2.33	0.400	"	"	"	"	"	"
Lead	2.16	0.200	"	"	"	"	"	"
Nickel	2.44	0.400	"	"	"	"	"	"
Silver	ND	0.0200	"	"	"	"	"	"
Zinc	10.4	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	21.5	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	50.0	0.0500	"	"	"	"	"	"	
Sodium	165	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.46	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-5 3FT
2401513-19 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.9		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.14	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.75		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-6 3FT
2401513-20 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0484	121 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0386	96.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0401	100 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	4.20	33.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-6 3FT
2401513-20 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0146	43.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0140	41.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-6 3FT
2401513-20 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.50	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	109	0.400	"	"	"	"	"	"	
Cadmium	0.222	0.200	"	"	"	"	"	"	
Copper	11.4	0.400	"	"	"	"	"	"	
Lead	14.8	0.200	"	"	"	"	"	"	
Nickel	5.23	0.400	"	"	"	"	"	"	
Silver	0.0613	0.0200	"	"	"	"	"	"	
Zinc	26.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	238	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	110	0.0500	"	"	"	"	"	"	
Sodium	258	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.47	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-6 3FT
2401513-20 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	90.6	%	1	BHA1046	01/30/24	01/31/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.57	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.02		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-7 3FT
2401513-21 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0451	113 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.3 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	3.77	30.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-7 3FT
2401513-21 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0192	57.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0183	54.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-7 3FT
2401513-21 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.94	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	129	0.400	"	"	"	"	"	"	
Cadmium	0.221	0.200	"	"	"	"	"	"	
Copper	13.6	0.400	"	"	"	"	"	"	
Lead	16.1	0.200	"	"	"	"	"	"	
Nickel	5.55	0.400	"	"	"	"	"	"	
Silver	0.0538	0.0200	"	"	"	"	"	"	
Zinc	26.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	44.1	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	20.1	0.0500	"	"	"	"	"	"	
Sodium	57.6	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.80	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-7 3FT
2401513-21 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	87.0	%	1	BHA1046	01/30/24	01/31/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.661	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.35		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-7 6FT
2401513-22 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.014	0.0020	mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	0.0040	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.99	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0396	99.0 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0379	94.7 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0413	103 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	4.50	36.0 %	30-150		"	"	"	"	

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Fremont Environmental
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-7 8FT
2401513-23 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	3.7	0.20	mg/kg	100	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	1	"	"	01/30/24	"	
Ethylbenzene	7.0	0.50	"	100	"	"	01/29/24	"	
Xylenes (total)	93	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	27	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	19	0.50	"	"	"	"	"	"	
Naphthalene	0.51	0.0038	"	1	"	"	01/30/24	"	
Gasoline Range Hydrocarbons	2100	50	"	100	"	"	01/29/24	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.113	283 %	50-150	"	"	"	01/30/24	"	S-02
<i>Surrogate: Toluene-d8</i>	-0.159	%	50-150	"	"	"	"	"	S-02
<i>Surrogate: 4-Bromofluorobenzene</i>	0.372	931 %	50-150	"	"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	630	50	mg/kg	1	BHA1024	01/29/24	01/29/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: o-Terphenyl</i>	6.86	54.9 %	30-150	"	"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-7 10FT
2401513-24 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.015	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.0076	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0433	108 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0384	96.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0397	99.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	6.92	55.3 %	30-150		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-8 3FT
2401513-25 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/29/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0419	105 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0379	94.7 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0394	98.5 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	4.66	37.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-8 3FT
2401513-25 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0159	47.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0136	40.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-8 3FT
2401513-25 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.60	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	107	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	9.98	0.400	"	"	"	"	"	"	
Lead	14.0	0.200	"	"	"	"	"	"	
Nickel	4.93	0.400	"	"	"	"	"	"	
Silver	0.0473	0.0200	"	"	"	"	"	"	
Zinc	23.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	284	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	159	0.0500	"	"	"	"	"	"	
Sodium	498	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	5.87	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Fremont Environmental
 PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-8 3FT
2401513-25 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	89.6		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

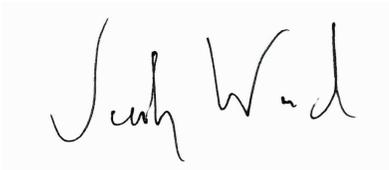
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	3.92	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.86		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

Summit Scientific



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Fremont Environmental
 PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-9 3FT
2401513-26 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0439	110 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0390	97.4 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	7.01	56.1 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-9 3FT
2401513-26 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0157	47.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0160	48.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-9 3FT
2401513-26 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.20	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	50.2	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	4.52	0.400	"	"	"	"	"	"	
Lead	4.63	0.200	"	"	"	"	"	"	
Nickel	3.77	0.400	"	"	"	"	"	"	
Silver	0.0343	0.0200	"	"	"	"	"	"	
Zinc	16.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	26.5	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	12.0	0.0500	"	"	"	"	"	"	
Sodium	123	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.98	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Project: Chevron - HSR Fischer

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 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-9 3FT
2401513-26 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.6		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.84	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.50		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

Summit Scientific

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-10 3FT
2401513-27 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0394	98.6 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0376	93.9 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0398	99.6 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	6.45	51.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-10 3FT
2401513-27 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0205	61.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0185	55.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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PO Box 1289
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-10 3FT
2401513-27 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.75	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B
Barium	57.3	0.400	"	"	"	"	"	"
Cadmium	0.238	0.200	"	"	"	"	"	"
Copper	4.31	0.400	"	"	"	"	"	"
Lead	5.06	0.200	"	"	"	"	"	"
Nickel	3.61	0.400	"	"	"	"	"	"
Silver	0.0295	0.0200	"	"	"	"	"	"
Zinc	16.2	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7440	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	802	0.0500	"	"	"	"	"	"	
Sodium	70.9	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.209	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

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MW-10 3FT
2401513-27 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	92.1	%	1	BHA1046	01/30/24	01/31/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.526	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.68		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project Manager: Paul Henchan

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MW-11 3FT
2401513-28 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0434	108 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0364	91.1 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	97.8 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	5.38	43.1 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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 Project Manager: Paul Henchan

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MW-11 3FT
2401513-28 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0222	66.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0220	66.1 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Manager: Paul Henchan

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MW-11 3FT
2401513-28 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.70	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	53.0	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	6.18	0.400	"	"	"	"	"	"	
Lead	4.90	0.200	"	"	"	"	"	"	
Nickel	3.92	0.400	"	"	"	"	"	"	
Silver	0.0266	0.0200	"	"	"	"	"	"	
Zinc	16.1	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	42.1	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	35.2	0.0500	"	"	"	"	"	"	
Sodium	131	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: 01/29/24 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.60	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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MW-11 3FT
2401513-28 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	88.7		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

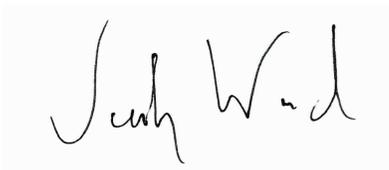
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	1.19	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.46		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-11 6FT
2401513-29 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.0059	0.0020	mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0087	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.058	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.023	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.011	0.0050	"	"	"	"	"	"	
Naphthalene	0.018	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	11	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0334	83.5 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0372	93.1 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0359	89.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	5.20	41.6 %	30-150		"	"	"	"	

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-12 3FT
2401513-30 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0419	105 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.06	64.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
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MW-12 3FT
2401513-30 (Soil)

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PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0194	58.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0189	56.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-12 3FT
2401513-30 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	5.33	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	126	0.400	"	"	"	"	"	"	
Cadmium	0.264	0.200	"	"	"	"	"	"	
Copper	8.40	0.400	"	"	"	"	"	"	
Lead	11.6	0.200	"	"	"	"	"	"	
Nickel	6.72	0.400	"	"	"	"	"	"	
Silver	0.0531	0.0200	"	"	"	"	"	"	
Zinc	22.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	165	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	80.9	0.0500	"	"	"	"	"	"	
Sodium	286	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.56	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

MW-12 3FT
2401513-30 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.1	%	1	BHA1046	01/30/24	01/31/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.56	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.82		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-13 3FT
2401513-31 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0432	108 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0398	99.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0391	97.7 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	6.44	51.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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MW-13 3FT
2401513-31 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/30/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0143	42.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0153	46.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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02/05/24 08:50

MW-13 3FT
2401513-31 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	1.65	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	74.0	0.400	"	"	"	"	"	"	
Cadmium	0.204	0.200	"	"	"	"	"	"	
Copper	5.32	0.400	"	"	"	"	"	"	
Lead	6.29	0.200	"	"	"	"	"	"	
Nickel	5.24	0.400	"	"	"	"	"	"	
Silver	0.0299	0.0200	"	"	"	"	"	"	
Zinc	18.9	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	14.9	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	16.9	0.0500	"	"	"	"	"	"	
Sodium	117	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	4.93	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project Number: [none]
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Reported:
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MW-13 3FT
2401513-31 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	84.3	%	1	BHA1046	01/30/24	01/31/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.716	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.65		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

MW-14 3FT
2401513-32 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHA1026	01/29/24	01/30/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0471	118 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0406	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0396	99.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHA1024	01/29/24	01/30/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	4.48	35.9 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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2401513-32 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHA1035	01/30/24	01/31/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0146	43.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0163	48.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHA1032	01/30/24	02/01/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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02/05/24 08:50

MW-14 3FT
2401513-32 (Soil)

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Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.14	0.200	mg/kg dry	1	BHA1033	01/30/24	01/31/24	EPA 6020B	
Barium	90.1	0.400	"	"	"	"	"	"	
Cadmium	ND	0.200	"	"	"	"	"	"	
Copper	8.05	0.400	"	"	"	"	"	"	
Lead	11.2	0.200	"	"	"	"	"	"	
Nickel	5.00	0.400	"	"	"	"	"	"	
Silver	0.0364	0.0200	"	"	"	"	"	"	
Zinc	24.0	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHA1060	01/30/24	01/30/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	311	0.0500	mg/L dry	1	BHA1030	01/29/24	02/01/24	EPA 6020B	
Magnesium	120	0.0500	"	"	"	"	"	"	
Sodium	214	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.61	0.00100	units	1	BHB0015	02/01/24	02/01/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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MW-14 3FT
2401513-32 (Soil)

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Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	93.5		%	1	BHA1046	01/30/24	01/31/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

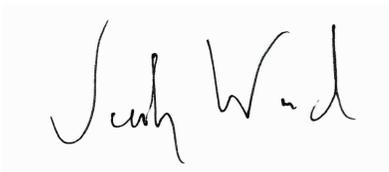
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.63	0.0100	mmhos/cm	1	BHA1042	01/30/24	01/31/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **01/29/24 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.98		pH Units	1	BHA1083	01/31/24	01/31/24	EPA 9045D	

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Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1026 - EPA 5030 Soil MS

Blank (BHA1026-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Naphthalene	ND	0.0038	"								
Gasoline Range Hydrocarbons	ND	0.50	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0476		"	0.0400		119	50-150				
<i>Surrogate: Toluene-d8</i>	0.0394		"	0.0400		98.6	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0393		"	0.0400		98.3	50-150				

LCS (BHA1026-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	0.0816	0.0020	mg/kg	0.100		81.6	70-130				
Toluene	0.0960	0.0050	"	0.100		96.0	70-130				
Ethylbenzene	0.100	0.0050	"	0.100		100	70-130				
m,p-Xylene	0.206	0.010	"	0.200		103	70-130				
o-Xylene	0.101	0.0050	"	0.100		101	70-130				
1,2,4-Trimethylbenzene	0.0989	0.0050	"	0.100		98.9	70-130				
1,3,5-Trimethylbenzene	0.0972	0.0050	"	0.100		97.2	70-130				
Naphthalene	0.0970	0.0038	"	0.100		97.0	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0424		"	0.0400		106	50-150				
<i>Surrogate: Toluene-d8</i>	0.0387		"	0.0400		96.8	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0378		"	0.0400		94.4	50-150				

Matrix Spike (BHA1026-MS1)

Source: 2401513-15

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	0.0512	0.0020	mg/kg	0.100	ND	51.2	70-130				QM-07
Toluene	0.0664	0.0050	"	0.100	ND	66.4	70-130				QM-07
Ethylbenzene	0.0813	0.0050	"	0.100	ND	81.3	70-130				
m,p-Xylene	0.162	0.010	"	0.200	ND	80.8	70-130				
o-Xylene	0.0800	0.0050	"	0.100	ND	80.0	70-130				
1,2,4-Trimethylbenzene	0.0705	0.0050	"	0.100	ND	70.5	70-130				
1,3,5-Trimethylbenzene	0.0759	0.0050	"	0.100	ND	75.9	70-130				
Naphthalene	0.0502	0.0038	"	0.100	ND	50.2	70-130				QM-07
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0415		"	0.0400		104	50-150				
<i>Surrogate: Toluene-d8</i>	0.0382		"	0.0400		95.5	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0404		"	0.0400		101	50-150				

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Project Manager: Paul Henchan

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1026 - EPA 5030 Soil MS

Matrix Spike Dup (BHA1026-MSD1)	Source: 2401513-15			Prepared: 01/29/24 Analyzed: 01/30/24						
Benzene	0.0502	0.0020	mg/kg	0.100	ND	50.2	70-130	1.83	30	QM-07
Toluene	0.0633	0.0050	"	0.100	ND	63.3	70-130	4.81	30	QM-07
Ethylbenzene	0.0744	0.0050	"	0.100	ND	74.4	70-130	8.87	30	
m,p-Xylene	0.153	0.010	"	0.200	ND	76.6	70-130	5.43	30	
o-Xylene	0.0734	0.0050	"	0.100	ND	73.4	70-130	8.60	30	
1,2,4-Trimethylbenzene	0.0672	0.0050	"	0.100	ND	67.2	70-130	4.79	30	QM-07
1,3,5-Trimethylbenzene	0.0713	0.0050	"	0.100	ND	71.3	70-130	6.24	30	
Naphthalene	0.0519	0.0038	"	0.100	ND	51.9	70-130	3.35	30	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0439		"	0.0400		110	50-150			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.7	50-150			

Batch BHA1027 - EPA 5030 Water MS

Blank (BHA1027-BLK1)	Prepared: 01/29/24 Analyzed: 01/30/24									
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	13.0		"	13.3		97.3	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.9	20-170			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	21-167			

LCS (BHA1027-BS1)	Prepared: 01/29/24 Analyzed: 01/30/24									
Benzene	32.4	1.0	ug/l	33.3		97.1	51-132			
Toluene	31.2	1.0	"	33.3		93.6	51-138			
Ethylbenzene	26.6	1.0	"	33.3		79.8	58-146			
m,p-Xylene	54.8	2.0	"	66.7		82.2	57-144			
o-Xylene	27.6	1.0	"	33.3		82.9	53-146			
Naphthalene	25.2	1.0	"	33.3		75.7	70-130			
1,2,4-Trimethylbenzene	26.4	1.0	"	33.3		79.3	70-130			
1,3,5-Trimethylbenzene	25.7	1.0	"	33.3		77.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	22.7		"	13.3		171	23-173			
Surrogate: Toluene-d8	15.4		"	13.3		116	20-170			
Surrogate: 4-Bromofluorobenzene	14.3		"	13.3		107	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.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BHA1027 - EPA 5030 Water MS

Matrix Spike (BHA1027-MS1)

Source: 2401513-01

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	32.4	1.0	ug/l	33.3	ND	97.3	34-141			
Toluene	32.0	1.0	"	33.3	ND	95.9	27-151			
Ethylbenzene	32.5	1.0	"	33.3	ND	97.5	29-160			
m,p-Xylene	65.0	2.0	"	66.7	ND	97.5	20-166			
o-Xylene	32.2	1.0	"	33.3	ND	96.5	33-159			
Naphthalene	31.3	1.0	"	33.3	ND	94.0	70-130			
1,2,4-Trimethylbenzene	30.6	1.0	"	33.3	ND	91.7	70-130			
1,3,5-Trimethylbenzene	30.0	1.0	"	33.3	ND	90.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.3		"	13.3		99.8	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		99.4	20-170			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101	21-167			

Matrix Spike Dup (BHA1027-MSD1)

Source: 2401513-01

Prepared: 01/29/24 Analyzed: 01/30/24

Benzene	29.7	1.0	ug/l	33.3	ND	89.2	34-141	8.72	30	
Toluene	29.1	1.0	"	33.3	ND	87.2	27-151	9.44	30	
Ethylbenzene	28.9	1.0	"	33.3	ND	86.7	29-160	11.7	30	
m,p-Xylene	58.0	2.0	"	66.7	ND	87.0	20-166	11.4	30	
o-Xylene	28.7	1.0	"	33.3	ND	86.2	33-159	11.3	30	
Naphthalene	28.0	1.0	"	33.3	ND	83.9	70-130	11.4	30	
1,2,4-Trimethylbenzene	26.8	1.0	"	33.3	ND	80.6	70-130	12.9	30	
1,3,5-Trimethylbenzene	25.6	1.0	"	33.3	ND	76.7	70-130	16.1	30	
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.3		103	23-173			
Surrogate: Toluene-d8	13.1		"	13.3		98.4	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.9	21-167			

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BHA1024 - EPA 3550A

Blank (BHA1024-BLK1)

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	11.0		"	12.5		88.2	30-150				

LCS (BHA1024-BS1)

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	414	50	mg/kg	500		82.8	70-130				
Surrogate: <i>o</i> -Terphenyl	9.90		"	12.5		79.2	30-150				

Matrix Spike (BHA1024-MS1)

Source: 2401513-15

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	406	50	mg/kg	500	23.1	76.6	70-130				
Surrogate: <i>o</i> -Terphenyl	6.24		"	12.5		49.9	30-150				

Matrix Spike Dup (BHA1024-MSD1)

Source: 2401513-15

Prepared: 01/29/24 Analyzed: 01/30/24

C10-C28 (DRO)	408	50	mg/kg	500	23.1	77.0	70-130	0.540	20		
Surrogate: <i>o</i> -Terphenyl	7.31		"	12.5		58.5	30-150				

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHA1035 - EPA 5030 Soil MS

Blank (BHA1035-BLK1)

Prepared & Analyzed: 01/30/24

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	0.0259		"	0.0333		77.6	40-150			
<i>Surrogate: Fluoranthene-d10</i>	0.0268		"	0.0333		80.4	40-150			

LCS (BHA1035-BS1)

Prepared & Analyzed: 01/30/24

Acenaphthene	0.0288	0.00500	mg/kg	0.0333		86.5	31-137			
Anthracene	0.0279	0.00500	"	0.0333		83.6	30-120			
Benzo (a) anthracene	0.0270	0.00500	"	0.0333		81.0	30-120			
Benzo (a) pyrene	0.0275	0.00500	"	0.0333		82.6	30-120			
Benzo (b) fluoranthene	0.0289	0.00500	"	0.0333		86.8	30-120			
Benzo (k) fluoranthene	0.0285	0.00500	"	0.0333		85.6	30-120			
Chrysene	0.0278	0.00500	"	0.0333		83.3	30-120			
Dibenz (a,h) anthracene	0.0300	0.00500	"	0.0333		89.9	30-120			
Fluoranthene	0.0261	0.00500	"	0.0333		78.2	30-120			
Fluorene	0.0299	0.00500	"	0.0333		89.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0331	0.00500	"	0.0333		99.4	30-120			
Pyrene	0.0332	0.00500	"	0.0333		99.7	35-142			
1-Methylnaphthalene	0.0270	0.00500	"	0.0333		81.0	35-142			
2-Methylnaphthalene	0.0279	0.00500	"	0.0333		83.6	35-142			
<i>Surrogate: 2-Methylnaphthalene-d10</i>	0.0274		"	0.0333		82.3	40-150			
<i>Surrogate: Fluoranthene-d10</i>	0.0263		"	0.0333		78.8	40-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BHA1035 - EPA 5030 Soil MS

Matrix Spike (BHA1035-MS1)

Source: 2401513-15

Prepared & Analyzed: 01/30/24

Acenaphthene	0.0215	0.00500	mg/kg	0.0333	ND	64.4	31-137			
Anthracene	0.0199	0.00500	"	0.0333	ND	59.6	30-120			
Benzo (a) anthracene	0.0186	0.00500	"	0.0333	ND	55.8	30-120			
Benzo (a) pyrene	0.0172	0.00500	"	0.0333	ND	51.7	30-120			
Benzo (b) fluoranthene	0.0169	0.00500	"	0.0333	ND	50.6	30-120			
Benzo (k) fluoranthene	0.0168	0.00500	"	0.0333	ND	50.5	30-120			
Chrysene	0.0195	0.00500	"	0.0333	ND	58.4	30-120			
Dibenz (a,h) anthracene	0.0199	0.00500	"	0.0333	ND	59.8	30-120			
Fluoranthene	0.0190	0.00500	"	0.0333	ND	57.1	30-120			
Fluorene	0.0201	0.00500	"	0.0333	ND	60.3	30-120			
Indeno (1,2,3-cd) pyrene	0.0201	0.00500	"	0.0333	ND	60.3	30-120			
Pyrene	0.0271	0.00500	"	0.0333	ND	81.3	35-142			
1-Methylnaphthalene	0.0227	0.00500	"	0.0333	ND	68.2	15-130			
2-Methylnaphthalene	0.0226	0.00500	"	0.0333	ND	67.7	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0221		"	0.0333		66.4	40-150			
Surrogate: Fluoranthene-d10	0.0194		"	0.0333		58.3	40-150			

Matrix Spike Dup (BHA1035-MSD1)

Source: 2401513-15

Prepared & Analyzed: 01/30/24

Acenaphthene	0.0203	0.00500	mg/kg	0.0333	ND	60.9	31-137	5.63	30
Anthracene	0.0171	0.00500	"	0.0333	ND	51.2	30-120	15.3	30
Benzo (a) anthracene	0.0182	0.00500	"	0.0333	ND	54.7	30-120	2.05	30
Benzo (a) pyrene	0.0161	0.00500	"	0.0333	ND	48.3	30-120	6.96	30
Benzo (b) fluoranthene	0.0166	0.00500	"	0.0333	ND	49.9	30-120	1.41	30
Benzo (k) fluoranthene	0.0163	0.00500	"	0.0333	ND	48.8	30-120	3.41	30
Chrysene	0.0190	0.00500	"	0.0333	ND	57.0	30-120	2.36	30
Dibenz (a,h) anthracene	0.0173	0.00500	"	0.0333	ND	51.9	30-120	14.0	30
Fluoranthene	0.0169	0.00500	"	0.0333	ND	50.7	30-120	12.0	30
Fluorene	0.0203	0.00500	"	0.0333	ND	60.9	30-120	0.924	30
Indeno (1,2,3-cd) pyrene	0.0183	0.00500	"	0.0333	ND	55.0	30-120	9.21	30
Pyrene	0.0244	0.00500	"	0.0333	ND	73.2	35-142	10.5	30
1-Methylnaphthalene	0.0197	0.00500	"	0.0333	ND	59.1	15-130	14.3	50
2-Methylnaphthalene	0.0193	0.00500	"	0.0333	ND	58.0	15-130	15.5	50
Surrogate: 2-Methylnaphthalene-d10	0.0192		"	0.0333		57.7	40-150		
Surrogate: Fluoranthene-d10	0.0173		"	0.0333		51.9	40-150		

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

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

Batch BHA1032 - EPA 3050B

Blank (BHA1032-BLK1)

Prepared: 01/30/24 Analyzed: 02/01/24

Boron ND 2.00 mg/L

LCS (BHA1032-BS1)

Prepared: 01/30/24 Analyzed: 02/01/24

Boron 6.00 2.00 mg/L 5.00 120 80-120

Duplicate (BHA1032-DUP1)

Source: 2401495-01

Prepared: 01/30/24 Analyzed: 02/01/24

Boron 0.0671 2.00 mg/L 0.0903 29.5 20 QR-01

Matrix Spike (BHA1032-MS1)

Source: 2401495-01

Prepared: 01/30/24 Analyzed: 02/01/24

Boron 4.61 2.00 mg/L 5.00 0.0903 90.3 75-125

Matrix Spike Dup (BHA1032-MSD1)

Source: 2401495-01

Prepared: 01/30/24 Analyzed: 02/01/24

Boron 4.55 2.00 mg/L 5.00 0.0903 89.3 75-125 1.14 25

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHA1033 - EPA 3050B

Blank (BHA1033-BLK1)

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BHA1033-BS1)

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	33.9	0.200	mg/kg wet	40.0	84.6	80-120				
Barium	35.6	0.400	"	40.0	89.1	80-120				
Cadmium	1.79	0.200	"	2.00	89.7	80-120				
Copper	40.6	0.400	"	40.0	102	80-120				
Lead	18.0	0.200	"	20.0	89.8	80-120				
Nickel	39.8	0.400	"	40.0	99.4	80-120				
Silver	1.81	0.0200	"	2.00	90.3	80-120				
Zinc	40.1	0.400	"	40.0	100	80-120				
Selenium	3.93	0.260	"	4.00	98.1	80-120				

Duplicate (BHA1033-DUP1)

Source: 2401442-01

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	1.63	0.200	mg/kg dry	1.56	4.27	20				
Barium	57.4	0.400	"	32.2	56.1	20				QR-04
Cadmium	0.187	0.200	"	0.124	40.1	20				QR-01
Copper	4.72	0.400	"	3.87	19.8	20				
Lead	6.93	0.200	"	5.55	22.1	20				QR-04
Nickel	4.06	0.400	"	2.95	31.6	20				QR-04
Silver	0.0270	0.0200	"	0.0225	18.2	20				
Zinc	17.8	0.400	"	13.4	28.5	20				QR-04
Selenium	0.310	0.260	"	0.261	17.0	20				

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BHA1033 - EPA 3050B

Matrix Spike (BHA1033-MS1)

Source: 2401442-01

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	41.3	0.200	mg/kg dry	50.0	1.56	79.6	75-125			
Barium	78.4	0.400	"	50.0	32.2	92.3	75-125			
Cadmium	2.35	0.200	"	2.50	0.124	89.0	75-125			
Copper	38.9	0.400	"	50.0	3.87	70.2	75-125			QM-07
Lead	26.9	0.200	"	25.0	5.55	85.6	75-125			
Nickel	37.9	0.400	"	50.0	2.95	69.9	75-125			QM-07
Silver	2.16	0.0200	"	2.50	0.0225	85.4	75-125			
Zinc	50.2	0.400	"	50.0	13.4	73.7	75-125			QM-07
Selenium	4.75	0.260	"	5.00	0.261	90.0	75-125			

Matrix Spike Dup (BHA1033-MSD1)

Source: 2401442-01

Prepared: 01/30/24 Analyzed: 01/31/24

Arsenic	40.3	0.200	mg/kg dry	50.0	1.56	77.5	75-125	2.54	25	
Barium	77.3	0.400	"	50.0	32.2	90.2	75-125	1.36	25	
Cadmium	2.27	0.200	"	2.50	0.124	86.1	75-125	3.13	25	
Copper	39.4	0.400	"	50.0	3.87	71.2	75-125	1.30	25	QM-07
Lead	26.7	0.200	"	25.0	5.55	84.8	75-125	0.685	25	
Nickel	38.2	0.400	"	50.0	2.95	70.5	75-125	0.791	25	QM-07
Silver	2.14	0.0200	"	2.50	0.0225	84.6	75-125	0.955	25	
Zinc	50.6	0.400	"	50.0	13.4	74.6	75-125	0.923	25	QM-07
Selenium	4.24	0.260	"	5.00	0.261	79.7	75-125	11.4	25	

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHA1060 - 3060A Mod

Blank (BHA1060-BLK1)

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHA1060-BS1)

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent 23.3 0.30 mg/kg wet 25.0 93.2 80-120

Duplicate (BHA1060-DUP1)

Source: 2401499-01

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent ND 0.30 mg/kg wet ND 20

Matrix Spike (BHA1060-MS1)

Source: 2401499-01

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent 24.1 0.30 mg/kg wet 25.0 ND 96.4 75-125

Matrix Spike Dup (BHA1060-MSD1)

Source: 2401499-01

Prepared & Analyzed: 01/30/24

Chromium, Hexavalent 24.0 0.30 mg/kg wet 25.0 ND 95.8 75-125 0.624 20

Summit Scientific

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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA1030 - General Preparation

Blank (BHA1030-BLK1)

Prepared: 01/29/24 Analyzed: 01/31/24

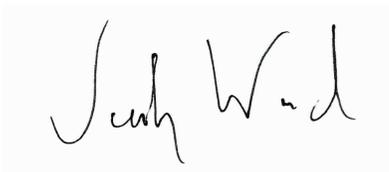
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BHA1030-BS1)

Prepared: 01/29/24 Analyzed: 01/31/24

Calcium	5.74	0.0500	mg/L wet	5.00		115	70-130			
Magnesium	5.77	0.0500	"	5.00		115	70-130			
Sodium	5.79	0.0500	"	5.00		116	70-130			

Summit Scientific



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



Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BHA1049 - General Preparation

Blank (BHA1049-BLK1)

Prepared & Analyzed: 01/30/24

Chloride	ND	0.0600	mg/L							
Sulfate	ND	0.300	"							

LCS (BHA1049-BS1)

Prepared & Analyzed: 01/30/24

Chloride	2.87	0.0600	mg/L	3.00	95.7	90-110				
Sulfate	13.9	0.300	"	15.0	92.8	90-110				

Duplicate (BHA1049-DUP1)

Source: 2401490-01

Prepared & Analyzed: 01/30/24

Chloride	115	12.0	mg/L		118		1.89	20		
Sulfate	697	60.0	"		731		4.76	20		

Matrix Spike (BHA1049-MS1)

Source: 2401490-01

Prepared & Analyzed: 01/30/24

Chloride	722	12.0	mg/L	600	118	101	80-120			
Sulfate	3740	60.0	"	3000	731	100	80-120			

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

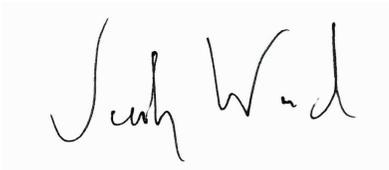
Summit Scientific

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

Batch BHA1046 - General Preparation

Duplicate (BHA1046-DUP1)	Source: 2401510-01		Prepared: 01/30/24 Analyzed: 01/31/24	
% Solids	91.9	%	92.4	0.537 20

Summit Scientific



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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

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

Batch BHA1121 - General Preparation

Blank (BHA1121-BLK1)

Prepared: 01/31/24 Analyzed: 02/01/24

Total Dissolved Solids ND 10.0 mg/L

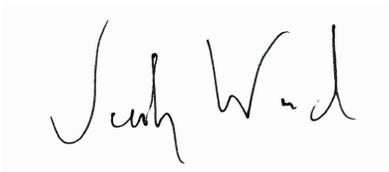
Duplicate (BHA1121-DUP1)

Source: 2401467-01

Prepared: 01/31/24 Analyzed: 02/01/24

Total Dissolved Solids 321 10.0 mg/L 296 8.00 20

Summit Scientific



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 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA1042 - General Preparation

Blank (BHA1042-BLK1)

Prepared: 01/30/24 Analyzed: 01/31/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHA1042-BS1)

Prepared: 01/30/24 Analyzed: 01/31/24

Specific Conductance (EC) 0.150 0.0100 mmhos/cm 0.150 100 95-105

Duplicate (BHA1042-DUP1)

Source: 2401510-01

Prepared: 01/30/24 Analyzed: 01/31/24

Specific Conductance (EC) 0.344 0.0100 mmhos/cm 0.343 0.146 20

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 02/05/24 08:50

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHA1083 - General Preparation

LCS (BHA1083-BS1)

Prepared & Analyzed: 01/31/24

pH 9.12 pH Units 9.18 99.3 95-105

Duplicate (BHA1083-DUP1)

Source: 2401513-15

Prepared & Analyzed: 01/31/24

pH 7.98 pH Units 8.00 0.250 20

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Chevron - HSR Fischer

Project Number: [none]
Project Manager: Paul Henchan

Reported:
02/05/24 08:50

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- 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