

**Table 1**  
**Colorado State #2 Historic and Recent Flowline Releases**  
**Excavation Soil Samples and Initial Site Characterization - Petroleum Hydrocarbon and Inorganic Analytical Summary**  
**Weld County, Colorado**

Sample Number	Sample Date	Sample Depth (ft-bgs)	BTEX (mg/kg)				TPH (mg/kg)				Inorganic Soil Parameters		
			Benzene	Toluene	Ethylbenzene	Total Xylenes	GRO (C6-C10 Range)	DRO (C10-C28 Range)	RRO (C28-C40 Range)	TPH=GRO+DRO+RRO	pH (s.u.)	Electrical Conductance (mmohs/cm)	SAR
<b>COGCC Table 910-1 Concentration Levels</b>			<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>6 to 9</b>	<b>&lt; 4 mmohs/cm or 2X background</b>	<b>&lt; 12</b>
SS1N @ 5.5 ft	10/29/2018	5.5	ND	ND	0.163	0.828	482	<b>5,760</b>	<b>2,300</b>	<b>8,542</b>	NA	NA	NA
SS-10N @ 6.0 ft (SS1N Resample)	11/30/2018	6.0	ND	ND	ND	0.008	ND	ND	ND	ND	NA	NA	NA
SS2S @ 5.5 ft	10/29/2018	5.5	ND	ND	ND	ND	37.3	ND	ND	37.3	NA	NA	NA
SS3E @ 5.5 ft	10/29/2018	5.5	ND	ND	ND	ND	19.3	ND	ND	19.3	NA	NA	NA
SS4B @ 6.0 ft (Excavated)	10/29/2018	6.0	ND	0.368	0.546	9.53	<b>1,550</b>	<b>6,700</b>	<b>2,270</b>	<b>10,520</b>	8.14	0.806	<b>56.10</b>
SS5W @ 5.0 ft	10/29/2018	5.0	0.098	0.464	1.09	7.23	<b>1,020</b>	<b>2,650</b>	<b>835</b>	<b>4,505</b>	8.79	1.57	<b>165.71</b>
SS-11W @ 6.0 ft (SS5W Resample)	11/30/2018	6.0	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SS6NW @ 2.5 ft	10/29/2018	2.5	ND	0.097	0.447	3.86	<b>692</b>	<b>11,000</b>	<b>4,470</b>	<b>16,162</b>	NA	NA	NA
SS-12 @ 3.0 ft (SS6NW Resample)	4/3/2019	3.0	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	5.96
SS7W @ 1.0 ft	10/29/2018	1.0	ND	ND	ND	0.258	445	<b>7,890</b>	<b>2,630</b>	<b>10,965</b>	NA	NA	NA
SS 14 @ 1.5 ft (SS7W Resample)	4/3/2019	1.5	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	<b>30.75</b>
SS8 @ 1.0 ft	10/29/2018	1.0	NA	NA	NA	NA	NA	NA	NA	NA	8.44	1.42	<b>91.07</b>
SS 13 @ 2.5 ft (SS8 Resample)	4/3/2019	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>415.23</b>
SS9 @ 0-0.2 ft	10/29/2018	0.2	NA	NA	NA	NA	NA	NA	NA	NA	8.43	0.0307	2.27

Colorado Oil and Gas Conservation Commission (COGCC), 900 Series, Exploration and Production Waste Management, Table 910-1, Concentration Levels, May 2018

mg/kg - Milligrams per kilogram

**Bold** - Above COGCC Table 910-1 concentration level

ft-bgs - Feet below ground surface

PID - Photo-ionization detector

ppm - parts per million

BTEX - Benzene, toluene, ethylbenzene, total xylenes

GRO - Gasoline range organics (Carbon 6 to Carbon 10)

DRO - Diesel range organics (Carbon 10 to Carbon 28)

RRO - residual range organics (Carbon 28 to Carbon 40)

TPH - Total petroleum hydrocarbons

ND - Not detected at or above the laboratory reporting limit

NA - Not Analyzed

mmohs/cm - millimohs per centimeter

s.u. - standard units

SAR - Sodium adsorption ratio

Excavated to 8.0 ft on 11/30/18 and removed sample SS4B @ 6.0 ft.

GW infiltrated the excavation at 8.0 ft. Sample EGW-1 collected to account for a clean base sample.

Sample SS-10 @ 6.0 ft was collected from the same location as SS1 N @ 5.5 ft.

Sample SS-11 @ 6.0 ft was collected from the same location as SS5 W @ 5.0 ft.

Sample SS-12 @ 3.0 ft was collected from the same location as SS6 NW @ 2.5 ft.

Sample SS-13 @ 2.5 ft was collected at the same location as SS8 @ 1.0 ft.

Sample SS 14 @ 1.5 ft was collected at the end of the flow path at the same location as SS7W @ 1.0 ft.