

**Table 1**  
**Schneider 179 HNX Flowline Release**  
**NW 1/4 SW 1/4 Section 7, T4S, R66W**  
**Weld County, Colorado**  
**Soil Confirmation Analytical Summary**

Sample Number	Schneider-10	Schneider-14.5	Schneider-16	Background-8	*COGCC Table 915-1 Protection of Groundwater Soil Screening Concentration Levels (mg/kg)**
Latitude	40.32430942	40.32430942	40.32430942	40.32443136	
Longitude	-104.8264235	-104.8264235	-104.8264235	-104.8265481	
Sample Date	2/16/2021	2/16/2021	2/17/2021	2/16/2021	
Sample Depth (ft bgs)	10	14.5	16	8	
PID (ppm)	3935	2560	1650	0	
Analyte	Concentration Values mg/kg				
Total Petroleum Hydrocarbons (TPH)*					
GRO (C6-C10 Range)	3550	163	10.1	NA	500
DRO (C10-C28 Range)	3550	132	87.4	NA	500
RRO (C28-C40)	1090	ND	ND	NA	500
TPH = GRO+DRO+RRO	8190	295	97.5	NA	500
Soil Suitability					
pH Units**	6.92	NA	NA	7.09	6 - 8.3
EC mmhos/cm**	3.91	NA	NA	0.899	<4mmhos
SAR**	13.25	NA	NA	1.47	<6
Boron**	0.4	NA	NA	0.1	2 mg/l
Organic Compounds					
Benzene	2.69	0.0775	ND	NA	0.0026
Toluene	62.2	1.20	ND	NA	0.69
Ethylbenzene	9.54	0.236	ND	NA	0.78
Xylenes, total	144	3.87	0.0629	NA	9.9
1,2,4-trimethylbenzene	45.5	1.68	0.0104	NA	0.0081
1,3,5-trimethylbenzene	21.8	0.766	0.100	NA	0.0087
PAHs					
1-Methylnaphthalene	3.58	NA	NA	NA	0.006
2-Methylnaphthalene	6.18	NA	NA	NA	0.019
Acenaphthene	ND	NA	NA	NA	0.55
Anthracene	ND	NA	NA	NA	5.8
Benzo(a)anthracene	ND	NA	NA	NA	0.011
Benzo(a)pyrene	ND	NA	NA	NA	0.3
Benzo(b)fluoranthene	ND	NA	NA	NA	2.9
Benzo(k)fluoranthene	ND	NA	NA	NA	0.24
Chrysene	0.0546	NA	NA	NA	9
Dibenzo(a,h)anthracene	ND	NA	NA	NA	0.096
Fluoranthene	0.041	NA	NA	NA	8.9
Fluorene	0.379	NA	NA	NA	0.54
Indeno(1,2,3-cd)pyrene	ND	NA	NA	NA	0.98
Naphthalene	1.44	NA	NA	NA	0.0038
Pyrene	0.0239	NA	NA	NA	1.3
Metals in Soils					
Arsenic	0.631	NA	NA	0.422	0.29
Barium	89.5	NA	NA	11.2	82
Cadmium	0.0262	NA	NA	ND	0.38
Chromium (VI)	ND	NA	NA	ND	0.00067
Copper	2.40	NA	NA	1.49	46
Lead	2.34	NA	NA	1.80	14
Nickel	1.89	NA	NA	1.32	26
Selenium	0.392	NA	NA	ND	0.26
Silver	ND	NA	NA	ND	0.8
Zinc	8.47	NA	NA	6.61	370

\*Colorado Oil and Gas Conservation Commission (COGCC), 900 Series, Environmental Impact Prevention, Table 915-1, Concentration Levels, January 15, 2021 - Protection of Groundwater Soil Screening Level Concentrations

\*\* Concentration levels in mg/kg unless otherwise noted

mg/kg - Milligrams per kilogram

ft bgs - feet below ground surface

PID - Photo-ionization detector

ppm - Parts per million

TPH - Total petroleum hydrocarbons

GRO - Gasoline range organics

DRO - Diesel range organics

RRO - Residual Range Organics

PAH - polycyclic aromatic hydrocarbon

NA - Not Analyzed

ND - Not detected above laboratory reporting limit

Values in **BOLD** are greater than their respective COGCC 915-1 Concentration Levels