

Table 1
N Colorado 44-13 #9
Soil Analytical Summary - Tank Pull
December 6, 2019
Adams County, Colorado

Sample Number	Sample Date	Sample Depth (in-bgs)	PID (ppm)	BTEX (mg/kg)				TPH (mg/kg)			Naphthalene (mg/kg)	Inorganics			Sample Location
				Benzene	Toluene	Ethylbenzene	Total Xylenes	GRO (C6-C10 Range)	DRO (C10-C28 Range)	TPH=GRO+DRO	Naphthalene	pH Units	EC mmhos/cm	SAR	
*COGCC Table 910-1 Concentration Levels				0.17	85	100	175	500	500	500	23	6-9	<4	<12	
SWNorth-6	12/6/2019	72	4,269	0.945	52.5	0.464	5.28	179	ND	179	ND	NA	NA	NA	39.960410, -104.941559
SWEast-6	12/6/2019	72	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.960393, -104.941545
SWSouth-6	12/6/2019	72	63.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.960379, -104.941561
SWWest-6	12/6/2019	72	44.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.960394, -104.941575
Base1-6	12/6/2019	72	157	ND	ND	0.068	ND	9.85	ND	9.85	ND	7.20	0.140	7.24	39.960394, -104.941560

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

in-bgs - Inches below ground surface

mg/kg - Milligrams per kilogram

PID - Photo-ionization detector

ppm - Parts per million

BTEX - Benzene, toluene, ethylbenzene, total xylenes

TPH - Total petroleum hydrocarbons

GRO - Gasoline range organics

DRO - Diesel range organics

EC - Electrical Conductivity / Specific Conductance

SAR - Sodium Absorption Ratio

mmhos/cm - millimhos per centimeter

NA - Not Analyzed

ND - Not detected above laboratory reporting limit

Values in **BOLD** are greater than their respective COGCC 910-1 Concentration Levels

Table 2
N Colorado 44-13 #9 Tank Battery
Soil Analytical Summary - Test Pit and Excavation
December 6 - 11, 2019
Adams County, Colorado

Sample Number	Sample Date	Sample Depth (ft-bgs)	PID (ppm)	BTEX (mg/kg)				TPH (mg/kg)			Sample Location
				Benzene	Toluene	Ethylbenzene	Total Xylenes	GRO (C6-C10 Range)	DRO (C10-C28 Range)	TPH=GRO+DRO	
*COGCC Table 910-1 Concentration Levels				0.17	85	100	175	500	500	500	
Test Pit1-6	12/6/2019	6.0	772	NA	NA	NA	NA	78.6	ND	78.6	39.96045809, -104.94156451
Test Pit2-7	12/6/2019	7.0	209	NA	NA	NA	NA	7.91	NA	7.91	39.96045917, -104.94162572
Test Pit3-6	12/6/2019	6.0	0.0	NA	NA	NA	NA	ND	ND	ND	39.96038549, -104.94164343
SouthSW-5	12/9/2019	5.0	3.2	ND	ND	ND	ND	ND	ND	ND	39.96037275, -104.94157696
WestSW-6	12/9/2019	6.0	36	ND	ND	ND	ND	ND	ND	ND	39.96042634, -104.94162495
EastSW-5	12/9/2019	5.0	0.40	ND	ND	ND	ND	ND	ND	ND	39.96039695, -104.94149261
BaseEast-7	12/9/2019	7.0	165	ND	ND	ND	ND	122	ND	122	39.96039501, -104.94154189
BaseWest-7	12/9/2019	7.0	114	ND	ND	ND	ND	118	ND	118	39.96042017, -104.94159973
NorthBase-7	12/10/2019	7.0	331	ND	ND	0.565	ND	34.7	97.2	131.9	39.960423, -104.941609
NorthSW-5	12/11/2019	5.0	392	ND	ND	ND	ND	ND	ND	ND	39.960459, -104.941550

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

ft-bgs - Feet below ground surface

mg/kg - Milligrams per kilogram

PID - Photo-ionization detector

ppm - Parts per million

BTEX - Benzene, toluene, ethylbenzene, total xylenes

TPH - Total petroleum hydrocarbons

GRO - Gasoline range organics

DRO - Diesel range organics

ND - Not detected above laboratory reporting limit

Table 3
N Colorado 44-13 #9 Tank Battery
Groundwater Analytical Summary
December 10 - 11, 2019
Adams County, Colorado

Sample Number	Sample Date	Groundwater Depth (ft-bgs)	BTEX (µg/L)				Sample Location
			Benzene	Toluene	Ethylbenzene	Total Xylenes	
*COGCC Table 910-1 Concentration Levels			5	560	700	1,400	
BaseGW2	12/10/2019	7.0	ND	ND	15.6	ND	39.960393, -104.941537
BaseGW-2	12/11/2019	7.0	ND	ND	38.8	ND	39.960436, -104.941609

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

ft-bgs - Feet below ground surface

µg/L - Micrograms per liter

BTEX - Benzene, toluene, ethylbenzene, total xylenes

ND - Not detected at or above laboratory reporting limit