

**TABLE 1  
FIELD SCREENING SUMMARY  
Robidoux 13-7 Pit Closure**

Sample ID	Date Sampled	Sample Location	Sample Depth	Sample Description	Petroflag Monitoring Results
					TPH (PPM)
SSB @ 85"	11/3/2016	Bottom of pit confirmation sample	7	Dry, no staining, no odor	142
SSW @ 79"	11/3/2016	West side wall confirmation sample	6.5	Dry, no staining, no odor	41
SSN @ 80"	11/3/2016	North side wall confirmation sample	6.7	Dry, no staining, no odor	109
SSE @ 83"	11/3/2016	East side wall confirmation sample	6.9	Dry, no staining, no odor	104
SSS @ 78"	11/3/2016	South side wall confirmation sample	6.5	Dry, no staining, no odor	36
MS-N	11/3/2016	North soil pile post-treatment sample	0-1	Dry, no staining, no odor	140
MS-S	11/3/2016	South soil pile post-treatment sample	0-1	Dry, no staining, no odor	192
<b>COGCC standards for soil (mg/kg)</b>					<b>500</b>

TABLE 2  
CLOSURE SOIL SAMPLE RESULTS - HYDROCARBON SUMMARY  
Robidoux 13-7 Pit Closure

Sample ID	Date Sampled	Sample Location	Sample Depth (feet bgs)	Sample Results (mg/kg)						Method	
				GRO	DRO	TPH	Benzene	Toluene	Ethylbenzene		Total Xylenes
SSB @ 85"	11/3/2016	Bottom of excavation confirmation sample	7.0	ND	20	20	ND	ND	ND	ND	8015D/8021B
SSW @ 79"	11/3/2016	West side wall of excavation confirmation sample	6.5	ND	20	20	ND	ND	ND	ND	8015D/8021B
SSN @ 80"	11/3/2016	North side wall of excavation confirmation sample	6.7	ND	20	20	ND	ND	ND	ND	8015D/8021B
SSE @ 83"	11/3/2016	East side wall of excavation confirmation sample	6.9	ND	40	40	ND	ND	ND	ND	8015D/8021B
SSS @ 78"	11/3/2016	South side wall of excavation confirmation sample	6.5	ND	30	30	ND	ND	ND	ND	8015D/8021B
MS-N	11/3/2016	North soil pile post-treatment sample	0	ND	40	40	ND	ND	ND	ND	8015D/8021B
MS-S	11/3/2016	South soil pile post-treatment sample	0	ND	40	40	ND	ND	ND	ND	8015D/8021B
<b>COGCC standards for soil (mg/kg)</b>						<b>500</b>	<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	

Notes:

Samples analyzed by ACZ Laboratories, Inc. on 11/03/16.

Standards for soil are taken from 2 CCR 404-1, Table 910-1, effective February 1, 2014.

COGCC = Colorado Oil and Gas Conservation Commission

ND = Analytical result is less than the indicated laboratory reporting limit.

GRO = Total volatile hydrocarbons - gasoline range organics (nC6-nC10) using EPA Modified Method 8015D.

DRO = Total extractable petroleum hydrocarbons - diesel range organics (nC10-nC28) using EPA Modified Method 8015D.

TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.

BTEX - Benzene, toluene, ethylbenzene & total xylenes using EPA Method 8021B.

bgs = Below ground surface

BOLD = Analytical result is in exceedance of COGCC soil standards.

**TABLE 3**  
**CLOSURE SOIL SAMPLE RESULTS - METALS SUMMARY**  
**Robidoux 13-7 Pit Closure**

Sample ID	Date Sampled	Sample Location	Sample Depth (feet bgs)	Sample Results (mg/kg)												
				Arsenic	Barium	Boron (Hot Water Soluble)	Cadmium	Chromium (III)	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
SSB @ 85"	11/3/2016	Bottom of excavation confirmation sample	7.0	4.5*	161	0.68	<0.5	10	<1	9	8	0.02	12	<5	<1	27
<b>COGCC standards for soil (mg/kg)</b>				<b>0.39</b>	<b>15,000</b>	<b>2</b>	<b>70</b>	<b>120,000</b>	<b>23</b>	<b>3,100</b>	<b>400</b>	<b>23</b>	<b>1,600</b>	<b>390</b>	<b>390</b>	<b>23,000</b>

Notes:  
Samples analyzed by ACZ Laboratories, Inc. on 11/03/16.  
Standards for soil are taken from 2 CCR 404-1, Table 910-1, effective February 1, 2014.  
COGCC = Colorado Oil and Gas Conservation Commission

\* Naturally occurring arsenic background levels in northwest Colorado are known to be high. According to the Colorado Department of Public Health and Environment's (CDPHE's) Arsenic Concentration in Soil, Risk Management Guidance for Evaluating document, dated July, 2014, the Region 8 US EPA lists the average background soil arsenic concentrations of all land uses in Colorado at 11 mg/kg.  
bgs = Below ground surface