

Table 1
Soil Analytical Results
Ephaphtha LLC - OGCC Operator No. 10282
Dry Creek UT HD 31-#1A, Facility No. 232760, Remed Proj #7539

ANALYTE	Units	Sample Location		BG-1	BG-2	P-1			P-2		P-3	P-4		P-5	P-6		P-7	
		Sample ID	Sample Date	BG-1	BG-2	P1 6-7	P1 13-14	P1 17-18	P2 7.5-9	P2 17-18	P3 13-14	P4 6-7	P4 13-15	P5 9-10	P6 4-5	P6 14-15	P7 1-2	P7 9-10
		Table 910-1	Concentration Limits	12/10/13	12/10/13	12/9/13	12/9/13	12/9/13	12/9/13	12/9/13	12/9/13	12/10/13	12/10/13	12/10/13	12/10/13	12/10/13	12/10/13	12/10/13
				0-1	0-1	6-7	13-14	17-18	7.5-9	17-18	13-14	6-7	13-15	9-10	4-5	14-15	1-2	9-10
TVH C6 to C10	mg/kg	500					3		12								<0.3	
TPH C10 to C28	mg/kg	500				<20	730	<20	2780	<20	<20	<20	<20	<50	<20	<20	600	<50
Benzene	µg/kg	170					<20		<20								<5	
Ethylbenzene	µg/kg	100000					<20		90								<5	
m p Xylene	µg/kg	175000					<40		150								<10	
o Xylene	µg/kg	175000					<20		90								<5	
Toluene	µg/kg	85000					<20		<20								<5	
2-Methylnaphthalene	µg/kg						<1000		6000								<5000	
Acenaphthene	µg/kg	1000000					<1000		<5000								<5000	
Acenaphthylene	µg/kg	1000000					<1000		<5000								<5000	
Anthracene	µg/kg	1000000					<1000		<5000								<5000	
Benzo(a)anthracene	µg/kg	220					<1000		<5000								<5000	
Benzo(a)pyrene	µg/kg	22					<1000		<5000								<5000	
Benzo(b)fluoranthene	µg/kg	220					<1000		<5000								<5000	
Benzo(g,h,i)perylene	µg/kg	0					<1000		<5000								<5000	
Benzo(k)fluoranthene	µg/kg	2200					<1000		<5000								<5000	
Chrysene	µg/kg	22000					<1000		<5000								<5000	
Dibenzo(a,h)anthracene	µg/kg	22					<1000		<5000								<5000	
Fluoranthene	µg/kg	1000000					<1000		<5000								<5000	
Fluorene	µg/kg	1000000					200 J		<5000								<5000	
Indeno(1,2,3-cd)pyrene	µg/kg	220					<1000		<5000								<5000	
Naphthalene	µg/kg	23000					<1000		1000 J								<5000	
Phenanthrene	µg/kg	400000					400 J		1000 J								<5000	
Pyrene	µg/kg	1000000					<1000		<5000								<5000	
Arsenic, total	mg/kg	0.39		10.3	9.9		7.6		9.8								12.6	
Barium, total	mg/kg	15000					240		173								96.1	
Boron, total	mg/L (1)	2					6		11								23	
Cadmium, total	mg/kg	70					<2		1.3 B								2.2	
Calcium, soluble	mg/kg						5.04		3.55								14.80	
Chromium, total	mg/kg	120000					8		16								21	
Chromium, Trivalent	mg/kg	120000					8		16								21	
Copper, total	mg/kg	3100					12		21								31	
Chromium, Hexavalent	mg/kg	23					<4.7		<5								<5.2	
Lead, total	mg/kg	400					12 B		15 B								20	
Magnesium, soluble	mg/kg						12.30		8.20								21.70	
Mercury	mg/kg	23000000					26.1		14.7								49.4	
Nickel, total	mg/kg	1600					15		19								24	
Selenium, total	mg/kg	390					<50		<50								<50	
Silver, total	mg/kg	390					<3		<3								<3	
Sodium, soluble	mg/kg						21.10		10.50								26.50	
Zinc, total	mg/kg	12000					50		69								95	
Sodium Adsorption Ratio	mg/kg	12					7.17		4.33								6.20	
Conductivity @25C	mmhos/cm	4					3.280		2.030								4.790	
pH	pH Units	6-9					7.7		7.9								7.4	
Solids, Percent	%			76.1	72.8		85.5		80.6								76.3	

Notes

Boron standard is for hot-water soluble concentration in water - not comparable to total boron results

mg/kg

milligram per kilogram

µg/kg

micrograms per kilogram

%

percent

Sample Depth in feet below ground surface

Bold

Result above laboratory reporting level

Highlight

Result exceeding COGCC Table 910-1 Limits

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Ephaphtha LLC - OGCC Operator No. 10282
Dry Creek UT HD 31-#1A, Facility No. 232760, Remed Proj #7539

ANALYTE	Units	Sample Location		P-8		P-9		P-10	P-11		P-12	P-13	P-14	
		Sample ID	Sample Date	P8 3-4	P8 13-14	P9 2-3	P9 12-13	P10 13-14	P11 2-3	P11 13-14	P12 4-5	P13 13-14	P14 2-3	P14 13-14
		Table 910-1 Concentration Limits	Sample Depth	12/10/13 3-4	12/10/13 13-14	12/10/13 2-3	12/10/13 12-13	12/10/13 13-14	12/10/13 2-3	12/10/13 13-14	12/10/13 4-5	12/10/13 13-14	12/10/13 2-3	12/10/13 13-14
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(1) milligram per kilogram
mg/kg micrograms per kilogram
µg/kg percent
%
Sample Depth in feet below ground surface
Result above laboratory reporting
level
Bold Result exceeding COGCC Table
Highlight 910-1 Limits