

Appendix F: RFI Soils Data Representative of Test Burn Stockpile

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SWMU	Sample ID	Depth Range	Analytical Method	Constituent	Concentration (mg/kg)
01	U1SSC1	00 - 01	8330	1,2,4-Butanetrioltrinitrate (BTTN)	3.65E+00
				2,4-Dinitrotoluene	1.00E-01
				Cyclotetramethylenetetranitramine (HMX)	3.80E+00
				Cyclotrimethylenetrinitramine (RDX)	2.39E+02
				Metriol trinitrate (TMETN)	2.37E+00
				Nitroglycerine (NG)	5.40E+02
				Pentaerythritol tetranitrate (PETN)	3.59E+04
	U1SSC11	00 - 01	8330	Cyclotetramethylenetetranitramine (HMX)	4.53E+01
				Cyclotrimethylenetrinitramine (RDX)	7.12E+01
				Ethylene glycol dinitrate (EGDN)	1.22E+00
				Metriol trinitrate (TMETN)	2.60E-01
				Nitroglycerine (NG)	1.97E+02
				Pentaerythritol tetranitrate (PETN)	1.99E+04
	U1SSC12	00 - 01	8330	2,4-Dinitrotoluene	6.00E-02
				Cyclotetramethylenetetranitramine (HMX)	2.17E+02
				Cyclotrimethylenetrinitramine (RDX)	7.72E+01
				Metriol trinitrate (TMETN)	8.40E-01
				Nitroglycerine (NG)	5.77E+02
				Pentaerythritol tetranitrate (PETN)	2.72E+04
	U1SSC14	00 - 01	8330	2,6-Dinitrotoluene	1.30E-01
Cyclotetramethylenetetranitramine (HMX)				2.93E+01	
Cyclotrimethylenetrinitramine (RDX)				3.94E+02	
Metriol trinitrate (TMETN)				1.33E+00	
Nitroglycerine (NG)				4.08E+02	
Pentaerythritol tetranitrate (PETN)				2.38E+04	
U1SSC4	00 - 01	8330	Cyclotetramethylenetetranitramine (HMX)	2.12E+01	
			Cyclotrimethylenetrinitramine (RDX)	3.08E+03	
			Metriol trinitrate (TMETN)	6.70E-01	
			Nitroglycerine (NG)	6.32E+02	
			Pentaerythritol tetranitrate (PETN)	3.04E+04	
05	U5SSC1	00 - 01	8270C	2,4-Dinitrotoluene	8.08E+00
			8330	2,4,6-Trinitrotoluene (TNT)	2.89E+03
				2,4-Dinitrotoluene	8.08E+00
				Pentaerythritol tetranitrate (PETN)	8.43E+02

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15	U15SSC2	00 - 01	8270C	bis(2-ethylhexyl) Phthalate	3.83E-01
			8330	1,2,4-Butanetrioltrinitrate (BTTN)	3.02E+01
				2,4,6-Trinitrotoluene (TNT)	1.06E+01
				Cyclotetramethylenetetranitramine (HMX)	8.40E+00
				Cyclotrimethylenetrinitramine (RDX)	9.19E+00
				Ethylene glycol dinitrate (EGDN)	3.10E-01
				Metriol trinitrate (TMETN)	1.79E+03
				Nitroglycerine (NG)	2.60E+01
Pentaerythritol tetranitrate (PETN)	4.40E+03				
15	U15SSC3	00 - 01	8330	1,2,4-Butanetrioltrinitrate (BTTN)	2.47E+02
				2,4,6-Trinitrotoluene (TNT)	1.74E+00
				Cyclotetramethylenetetranitramine (HMX)	1.82E+00
				Cyclotrimethylenetrinitramine (RDX)	2.32E+00
				Diethylene glycol dinitrate (DEGDN)	3.30E+00
				Metriol trinitrate (TMETN)	3.89E+03
				Nitroglycerine (NG)	4.90E+00
				Pentaerythritol tetranitrate (PETN)	3.67E+02
Triethylene glycol dinitrate (TEGDN)	1.54E+00				
18	U18SSC1	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	4.41E+03
				2,4-Dinitrotoluene	4.78E+00
				Cyclotetramethylenetetranitramine (HMX)	2.88E+01
				Cyclotrimethylenetrinitramine (RDX)	3.10E+02
				Nitroglycerine (NG)	6.75E+01
				Pentaerythritol tetranitrate (PETN)	2.45E+04
	U18SSC2	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	6.95E+03
				2,4-Dinitrotoluene	4.61E+00
				Cyclotetramethylenetetranitramine (HMX)	4.65E+01
				Cyclotrimethylenetrinitramine (RDX)	9.01E+02
				Nitroglycerine (NG)	6.92E+01
				Pentaerythritol tetranitrate (PETN)	1.40E+04

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SWMU	Sample ID	Depth Range	Analytical Method	Constituent	Concentration (mg/kg)		
30	U30SB11	01 - 04	8015B	Diesel range organics	1.80E+03		
			8260B	1,2,4-Trimethylbenzene	6.35E+01		
				Isopropylbenzene (Cumene)	9.80E-01		
				Naphthalene	5.00E+00		
				n-Propylbenzene	1.40E+01		
				p-Cymene (P-Isopropyltoluene)	1.10E+01		
				sec-Butylbenzene	8.60E+00		
			8330	Cyclotetramethylenetetranitramine (HMX)	8.76E+00		
				Cyclotrimethylenetrinitramine (RDX)	6.80E-01		
		Pentaerythritol tetranitrate (PETN)		9.36E+01			
		04 - 07	8260B	1,2,4-Trimethylbenzene	1.35E+02		
				Isopropylbenzene (Cumene)	3.70E+00		
				m,p-Xylene	2.00E+00		
				Naphthalene	4.60E+00		
				n-Propylbenzene	3.10E+01		
				p-Cymene (P-Isopropyltoluene)	1.90E+01		
			sec-Butylbenzene	1.50E+01			
			8330	Pentaerythritol tetranitrate (PETN)	4.60E-01		
			07 - 11	8260B	1,2,4-Trimethylbenzene	1.87E+02	
		Ethylbenzene			1.30E+00		
		Isopropylbenzene (Cumene)			5.60E+00		
		m,p-Xylene			2.00E+00		
		Methylene chloride			2.70E+00		
		Naphthalene			6.00E+00		
		n-Propylbenzene			4.60E+01		
		p-Cymene (P-Isopropyltoluene)			2.50E+01		
		sec-Butylbenzene			2.20E+01		
	8330	Ethylene glycol dinitrate (EGDN)			3.00E-01		
		Nitroglycerine (NG)		2.10E-01			
		U30SB21		01 - 04	8015B	Motor oils	7.00E+00
					8330	Cyclotetramethylenetetranitramine (HMX)	4.50E-01
	04 - 07			8015B	Diesel range organics	1.00E+00	
			Motor oils		1.90E+01		
			8330	Cyclotetramethylenetetranitramine (HMX)	9.50E-01		
				Cyclotrimethylenetrinitramine (RDX)	3.40E-01		
	07 - 11		8015B	Diesel range organics	5.70E+02		
		8260B	1,2,4-Trimethylbenzene	1.89E+00			
			1,3,5-Trimethylbenzene	4.10E-01			
			Acetone	1.10E+00			
			Ethylbenzene	8.00E-02			
			Isopropylbenzene (Cumene)	2.30E-01			
			m,p-Xylene	1.40E-02			
			Methyl ethyl ketone	2.00E-01			
Naphthalene			1.10E+00				
n-Propylbenzene			7.10E-01				
p-Cymene (P-Isopropyltoluene)			7.70E-01				
sec-Butylbenzene			6.40E-01				
t-Butylbenzene			2.00E-02				

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SWMU	Sample ID	Depth Range	Analytical Method	Constituent	Concentration (mg/kg)	
30	U30SB22	01 - 04	8015B	Motor oils	6.00E+00	
			8330	Cyclotetramethylenetetranitramine (HMX)	2.70E-01	
		04 - 07	8015B	Motor oils	5.00E+00	
			8330	Cyclotetramethylenetetranitramine (HMX)	7.00E-01	
				Cyclotrimethylenetrinitramine (RDX)	1.23E+00	
		07 - 11	8015B	Diesel range organics	3.80E+03	
			8260B	1,2,4-Trimethylbenzene	1.38E+02	
				1,3,5-Trimethylbenzene	3.40E+01	
				Bromochloromethane	1.60E+00	
				Ethylbenzene	8.30E-01	
				Isopropylbenzene (Cumene)	3.30E+00	
				m,p-Xylene	6.00E+00	
				Methylene chloride	9.30E-01	
				Naphthalene	8.00E+00	
				n-Propylbenzene	1.00E+01	
	o-Xylene			1.40E+00		
	p-Cymene (P-Isopropyltoluene)			1.80E+01		
	sec-Butylbenzene			1.50E+01		
	U30SSC11	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	3.00E-01	
				2,4-Dinitrotoluene	1.80E-01	
				Cyclotetramethylenetetranitramine (HMX)	2.71E+03	
				Cyclotrimethylenetrinitramine (RDX)	6.99E+03	
				Nitroglycerine (NG)	7.17E+00	
		Pentaerythritol tetranitrate (PETN)	3.30E+03			
		U30SSC12	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	6.10E-01
					Cyclotetramethylenetetranitramine (HMX)	8.76E+01
					Cyclotrimethylenetrinitramine (RDX)	1.24E+01
					Nitroglycerine (NG)	5.30E-01
					Pentaerythritol tetranitrate (PETN)	1.09E+02
		U30SSC15	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	5.55E+03
					2,4-Dinitrotoluene	4.93E+00
					Cyclotetramethylenetetranitramine (HMX)	1.53E+01
					Nitroglycerine (NG)	6.75E+01
Pentaerythritol tetranitrate (PETN)	1.19E+04					
U30SSC16	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	6.72E+03		
			2,4-Dinitrotoluene	4.69E+00		
			Cyclotetramethylenetetranitramine (HMX)	9.35E+01		
			Cyclotrimethylenetrinitramine (RDX)	1.48E+02		
			Nitroglycerine (NG)	4.55E+01		
Pentaerythritol tetranitrate (PETN)	1.32E+04					
U30SSC29	00 - 01	8330	Cyclotetramethylenetetranitramine (HMX)	2.33E+02		
			Cyclotrimethylenetrinitramine (RDX)	1.74E+03		
			Pentaerythritol tetranitrate (PETN)	9.70E+00		
U30SSC39	00 - 01	8330	2,4,6-Trinitrotoluene (TNT)	7.35E+00		
			Cyclotetramethylenetetranitramine (HMX)	7.46E+01		
			Cyclotrimethylenetrinitramine (RDX)	1.17E+03		
			Nitroglycerine (NG)	2.63E+00		
			Pentaerythritol tetranitrate (PETN)	7.74E+02		

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<b>SWMU</b>	<b>Sample ID</b>	<b>Depth Range</b>	<b>Analytical Method</b>	<b>Constituent</b>	<b>Concentration (mg/kg)</b>
30	U30SSC5	00 - 01	8270C	2,4-Dinitrotoluene	1.30E+00
				2,6-Dinitrotoluene	1.77E+00
				Benzo(b)fluoranthene	4.00E-01
				bis(2-ethylhexyl) Phthalate	6.80E-01
			8330	2,4,6-Trinitrotoluene (TNT)	2.37E+03
				2,4-Dinitrotoluene	1.16E+00
				Cyclotetramethylenetetranitramine (HMX)	9.40E+02
				Cyclotrimethylenetrinitramine (RDX)	9.94E+03
	U30SSC8	00 - 01	8330	Nitroglycerine (NG)	6.15E+01
				Pentaerythritol tetranitrate (PETN)	6.69E+03
				1,2,4-Butanetrioltrinitrate (BTTN)	1.33E+00
				Cyclotetramethylenetetranitramine (HMX)	7.06E+02
				Cyclotrimethylenetrinitramine (RDX)	2.07E+01
				Diethylene glycol dinitrate (DEGDN)	3.10E-01
42	U42SSC3	00 - 01	8330	Metriol trinitrate (TMETN)	6.88E+02
				Nitroglycerine (NG)	1.13E+02
				Pentaerythritol tetranitrate (PETN)	3.20E+04
				2,4,6-Trinitrotoluene (TNT)	5.21E+02
				Cyclotetramethylenetetranitramine (HMX)	5.60E+02
				Cyclotrimethylenetrinitramine (RDX)	2.17E+04
				Nitroglycerine (NG)	1.43E+02
				Pentaerythritol tetranitrate (PETN)	2.75E+04

Depth ranges in units of feet below ground surface