

Table G3 - Preston FRMS: Organics Total Soil RTM Screening

				Determinand	Anthracene	Benzene	Benzo(b)fluoranthene	Naphthalene	Toluene
General Statistics				No. Results	156	156	156	156	156
				No. < LOD	52	151	40	92	148
				Min	0.02	0.02	0.05	0.04	0.01
				Max	75.9	0.04	125	84.4	0.03
				Mean	3.0	0.0	5.6	2.4	0.0
				RT	0.11	0.03	0.08	0.06	0.66
				AC Ref.					
Screening Criteria				No. > AC	83	1	113	56	0
Phase	Sub-Location	Location Ref	Sample Depth (m)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Area 1	Phase 1 - Reach 1	BH27-1	0.2	2.16	<0.0112	7.21	0.33	<0.0112	
Area 1	Phase 1 - Reach 1	BH27-1	2	<0.09	<0.011	<0.09	<0.09	<0.011	
Area 1	Phase 1 - Reach 1	BH27-2	0.5	75.9	<0.0115	125.0	84.4	<0.0115	
Area 1	Phase 1 - Reach 1	BH27-2	2.8	<0.10	<0.0122	0.13	<0.10	<0.0122	
Area 1	Phase 1 - Reach 2	BH27-2	2	<0.10	<0.013	<0.10	<0.10	<0.013	
Area 1	Phase 1 - Reach 2	BH57-2	1	5.92	<0.013	9.95	0.12	<0.013	
Area 1	Phase 1 - Reach 2	BH57-2	2	<0.10	<0.0123	0.1	<0.10	<0.0123	
Area 1	Phase 1 - Reach 2	BH58-1	0.2	0.68	<0.0108	0.39	<0.09	<0.0108	
Area 1	Phase 1 - Reach 2	BH58-1	2	<0.09	<0.0119	0.14	<0.09	<0.0119	
Area 1	Phase 1 - Reach 2	HDT57-1B	0.2	7.87	<0.0114	19.8	1.27	<0.0114	
Area 1	Phase 1 - Reach 2	HDT57-2B	1	41.7	<0.0115	47.0	20.5	<0.0115	
Area 1	Phase 1 - Reach 2	HDT57-3B	0.5	<0.10	<0.0121	0.42	<0.10	<0.0121	
Area 1	Phase 1 - Reach 1	IP27-1	0.5	0.46	<0.0119	1.75	<0.10	<0.0119	
Area 1	Phase 1 - Reach 1	IP27-2	0.2	0.14	<0.0105	1.17	<0.08	<0.0105	
Area 1	Phase 1 - Reach 1	IP27-2	0.5	6.54	<0.0117	18.4	0.92	<0.0117	
Area 1	Phase 1 - Reach 1	IP27-3	1	4.19	<0.0115	13.7	0.62	<0.0115	
Area 1	Phase 1 - Reach 1	IP27-4	0.5	26.0	<0.0117	33.8	12.2	<0.0117	
Area 1	Phase 1 - Reach 1	IP27-6	1	0.47	<0.0114	1.4	<0.09	<0.0114	
Area 1	Phase 1 - Reach 2	IP27-7	0.7	0.37	<0.0111	3.75	<0.09	<0.0111	
Area 1	Phase 1 - Reach 2	IP57-1	1	1.18	<0.0118	3.02	0.21	<0.0118	
Area 1	Phase 1 - Reach 2	IP57-2	0.2	1.98	<0.0119	6.86	0.15	<0.0119	
Area 1	Phase 1 - Reach 2	IP57-3	1	3.67	<0.0119	13.1	0.15	<0.0119	
Area 1	Phase 1 - Reach 2	IP57-4	0.95	0.39	<0.0126	2.86	0.15	<0.0126	
Area 1	Phase 1 - Reach 2	IP58-2	0.3	16.6	<0.0117	21.5	10.15	<0.0117	
Area 1	Phase 1 - Reach 2	IP58-2	1	3.68	<0.0118	7.03	0.71	<0.0118	
Area 1	Phase 1 - Reach 2	IP58-3	0.5	0.82	<0.0118	2.36	2.83	<0.0118	
Area 1	Phase 1 - Reach 2	IP58-4	0.5	0.18	<0.0106	0.65	<0.09	<0.0106	
Area 1	Phase 1 - Reach 2	IP58-4	0.85	2.07	<0.0117	4.81	0.34	<0.0117	
Area 1	Phase 1 - Reach 1	WS27-1	2	<0.09	<0.0117	<0.09	<0.09	<0.0117	
Area 1	Phase 1 - Reach 1	WS27-2	0.5	3.65	<0.0115	11.02	1.01	<0.0115	
Area 1	Phase 1 - Reach 1	WS27-2	1	5.8	<0.0112	7.8	2.69	0.012	
Area 1	Phase 1 - Reach 1	WS27-3	0.2	12.8	<0.0115	17.1	2.25	<0.0115	
Area 1	Phase 1 - Reach 2	WS27-4	1	<0.09	<0.011	<0.09	<0.09	<0.011	
Area 1	Area 1 - Reach D	BH56-1	0.2	0.2	<0.0119	0.2	<0.10	<0.0119	
Area 1	Area 1 - Reach D	BH56-1	2	<0.10	<0.0121	<0.10	<0.10	<0.0121	
Area 1	Area 1 - Reach D	IP56-1	0.2	1.9	<0.012	8.5	0.3	<0.012	
Area 2	Phase 2 - Reach 2	BH28-1	1	<0.10	<0.012	0.91	<0.10	<0.012	
Area 2	Area 2 Reach A	BHA-1	0.2	0.03	<0.01	0.39	<0.03	<0.01	
Area 2	Area 2 Reach A	BHA-1	1	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 2	Area 2 Reach A	HDTA-1A	0.2	0.04	<0.01	0.4	<0.03	<0.01	
Area 2	Area 2 Reach A	HDTA-1B	0.2	0.06	<0.01	0.31	<0.03	<0.01	
Area 2	Area 2 Reach A	HDTA-1C	0.2	0.14	<0.01	0.68	0.1	<0.01	
Area 2	Area 2 Reach A	HDTA-2A	0.2	0.12	<0.01	0.71	0.09	<0.01	
Area 2	Area 2 Reach A	HDTA-2B	0.2	0.06	<0.01	0.24	0.06	<0.01	
Area 2	Area 2 Reach A	HDTA-2C	0.2	0.15	<0.01	0.47	0.12	<0.01	
Area 2	Phase 2 - Reach 2	IP28-1	0.2	2.8	<0.0115	12.6	<0.09	<0.0115	
Area 2	Phase 2 - Reach 2	IP28-1	0.5	<0.09	<0.011	0.55	<0.09	<0.011	
Area 2	Phase 2 - Reach 2	IP28-1 VBA SP	0.6	<0.09	<0.0117	0.19	<0.09	<0.0117	
Area 2	Phase 2 - Reach 2	IP28-2	0.8	0.19	<0.012	1.1	<0.10	<0.012	
Area 2	Phase 2 - Reach 2	IP28-3	0.5	0.7	<0.0126	3.06	0.24	<0.0126	
Area 2	Phase 2 - Reach 2	IP29-1	1	<0.10	<0.0124	<0.10	<0.10	<0.0124	
Area 2	Phase 2 - Reach 2	IP29-2	1.1	<0.09	<0.0118	0.28	<0.09	<0.0118	
Area 2	Area 2	IP30-1	0.2	12.7	<0.0112	36.2	0.49	<0.0112	
Area 2	Area 2	IP30-2	0.5	13.4	<0.0111	31.5	0.33	0.011	
Area 2	Area 2	IP30-2	0.9	0.32	<0.0118	1.48	<0.09	<0.0118	
Area 2	Area 2 Reach A	TTA-1	0.2	0.07	<0.01	0.46	0.04	<0.01	
Area 2	Area 2 Reach A	TTA-2	0.2	0.06	<0.01	0.33	0.04	<0.01	
Area 2	Phase 2 - Reach 2	WS28-1	1	<0.09	<0.0118	<0.09	<0.09	<0.0118	
Area 2	Phase 2 - Reach 2	WS28-2	0.2	2.91	<0.0111	4.17	0.5	<0.0111	
Area 2	Phase 2 - Reach 2	WS28-4	0.5	0.13	<0.0116	1.1	<0.09	<0.0116	
Area 2	Phase 2 - Reach 2	WS30-2	1	<0.09	<0.0117	<0.09	<0.09	<0.0117	
Area 2	Phase 1 - Reach 2	WS57-1	0.5	6.02	<0.0115	21.9	0.29	<0.0115	
Area 2	Phase 1 - Reach 2	WS57-1	2	<0.10	<0.0119	<0.10	<0.10	<0.0119	
Area 2	Phase 1 - Reach 2	WS57-2	2	0.13	<0.0122	0.34	<0.10	<0.0122	
Area 2	Phase 1 - Reach 2	WS57-3	1	1.5	<0.0116	9.3	0.14	<0.0116	
Area 2	Phase 1 - Reach 2	WS57-4	3.2	<0.10	<0.0127	<0.10	<0.10	<0.0127	
Area 2	Phase 1 - Reach 2	WS58-1	0.5	0.27	<0.0123	0.14	0.11	<0.0123	
Area 2	Phase 1 - Reach 2	WS58-1	2	<0.10	<0.0125	<0.10	0.23	<0.0125	
Area 2	Phase 2 - Reach 2	WS8-1	0.2	0.37	<0.0129	1.4	<0.10	<0.0129	
Area 2	Phase 2 - Reach 2	WS8-2	0.2	0.13	<0.0129	0.57	<0.10	<0.0129	
Area 2	Phase 2 - Reach 2	WS8-3	0.5	<0.10	<0.0123	0.14	<0.10	<0.0123	
Area 2	Area 2 Reach A	WSA-1	0.5	5.79	0.03	22.8	<0.30	0.02	
Area 2	Area 2 Reach A	WSA-1	1	11.6	0.03	15.8	<0.30	0.03	
Area 2	Area 2 Reach A	WSA-2	0.2	0.21	0.02	1.26	0.09	0.01	
Area 2	Area 2 Reach A	WSA-3	0.2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 2	Area 2 Reach A	WSA-3	1	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach A	BH07-1	0.2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach C	BH11-1	0.5	1.05	0.03	4.46	0.17	0.02	
Area 3	Area 3 Reach A	BH26-1	0.5	0.61	<0.01	1.66	0.1	<0.01	
Area 3	Area 3 Reach B	BH40A-1	0.3	0.21	<0.01	1.04	<0.03	<0.01	
Area 3	Area 3 Reach A	TT07-1	0.2	0.62	<0.01	3.11	0.07	<0.01	

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General Statistics				No. Results	156	156	156	156	156
				No. < LOD	52	151	40	92	148
				Min	0.02	0.02	0.05	0.04	0.01
				Max	75.9	0.04	125	84.4	0.03
				Mean	3.0	0.0	5.6	2.4	0.0
				RT	0.11	0.03	0.08	0.06	0.66
				AC Ref.					
Screening Criteria				No. > AC	83	1	113	56	0
Phase	Sub-Location	Location Ref	Sample Depth (m)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Area 3	Area 3 Reach C	TT11-1	0.5	0.32	<0.01	2.37	0.04	<0.01	
Area 3	Area 3 Reach C	TT11-1	2.1	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach B	TT40a-1	1	0.04	<0.01	0.07	<0.03	<0.01	
Area 3	Area 3 Reach B	TT40a-1	1.8	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach B	TT40a-2	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach A	WS07-1	1	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach A	WS07-2	0.2	0.33	<0.01	0.84	0.1	<0.01	
Area 3	Area 3 Reach A	WS07-3	1	0.28	<0.01	1.22	0.05	<0.01	
Area 3	Area 3 Reach C	WS11-1	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach C	WS11-1	1	0.02	<0.01	0.09	<0.03	<0.01	
Area 3	Area 3 Reach A	WS26-1	0.5	0.13	<0.01	0.54	<0.03	<0.01	
Area 3	Area 3 Reach A	WS26-2	0.2	1.48	<0.01	2.83	0.2	<0.01	
Area 3	Area 3 Reach A	WS26-2	1.2	1.06	<0.01	2.21	0.14	<0.01	
Area 3	Area 3 Reach A	WS26-3	0.2	1.08	<0.01	5.13	0.24	<0.01	
Area 3	Area 3 Reach A	WS26-3	1	1.88	<0.01	2.54	<0.03	<0.01	
Area 3	Area 3 Reach A	WS26-4	0.5	0.48	<0.01	1.56	0.06	<0.01	
Area 3	Area 3 Reach A	WS26-4	3	0.28	<0.01	0.63	0.07	<0.01	
Area 3	Area 3 Reach A	WS26-4	5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach B	WS40a-1	2	0.32	<0.01	1.5	0.07	<0.01	
Area 3	Area 3 Reach B	WS40a-1	2.6	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach B	WS40a-3	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 3	Area 3 Reach B	WS40a-3	2	0.05	<0.01	0.14	<0.03	<0.01	
Area 4	Area 4 Reach F	BH23-1	0.5	0.38	<0.05	1.34	0.13	<0.05	
Area 4	Area 4 Reach D	BH25-1	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach C	BH36-1	0.5	0.03	<0.01	0.17	<0.03	<0.01	
Area 4	Area 4 Reach C	BH37-1	0.5	0.86	<0.01	1.04	0.04	<0.01	
Area 4	Area 4 Reach B	BH38-1	0.2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach B	BH38-1	0.5	<0.02	<0.01	0.06	0.04	<0.01	
Area 4	Area 4 Reach B	BH38-1	1	0.51	<0.01	3.64	0.05	<0.01	
Area 4	Area 4 Reach A	BH40-1	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach D	IP25-1	0.2	0.08	<0.01	0.45	<0.03	<0.01	
Area 4	Area 4 Reach D	IP25-1	1	0.07	<0.01	0.51	<0.03	<0.01	
Area 4	Area 4 Reach E	TT24-1	0.2	<0.02	<0.01	<0.05	<0.03	0.01	
Area 4	Area 4 Reach E	TT24-1	1	0.1	<0.01	0.26	<0.03	<0.01	
Area 4	Area 4 Reach C	TT36-1	0.2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach C	TT36-2	0.2	0.04	<0.01	0.26	<0.03	<0.01	
Area 4	Area 4 Reach C	TT36-3	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach C	TT36-4	0.5	0.58	<0.01	2.98	0.07	<0.01	
Area 4	Area 4 Reach B	TT39-1	0.2	<0.02	<0.01	0.05	<0.03	<0.01	
Area 4	Area 4 Reach B	TT39-2	0.2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach A	TT40-1	0.2	<0.02	<0.01	0.08	<0.03	<0.01	
Area 4	Area 4 Reach A	TT40-1	2	0.04	<0.01	0.11	<0.03	<0.01	
Area 4	Area 4 Reach A	TT40-2	0.2	0.02	<0.01	0.09	<0.03	<0.01	
Area 4	Area 4 Reach C	WS36-1	0.3	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach C	WS36-2	0.8	0.27	<0.01	1.22	0.06	<0.01	
Area 4	Area 4 Reach C	WS36-2	2.2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach C	WS36-4	0.8	0.04	<0.01	0.08	<0.03	<0.01	
Area 4	Area 4 Reach C	WS36-4	2.2	0.18	<0.01	1.02	<0.03	<0.01	
Area 4	Area 4 Reach C	WS36-4	3.5	1.81	<0.01	2.01	0.44	<0.01	
Area 4	Area 4 Reach B	WS38-1	0.4	0.06	<0.01	0.33	<0.03	<0.01	
Area 4	Area 4 Reach B	WS39-1	1.9	0.18	<0.01	0.95	<0.03	<0.01	
Area 4	Area 4 Reach B	WS39-2	0.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach B	WS39-2	2	0.63	<0.01	2.11	0.11	<0.01	
Area 4	Area 4 Reach B	WS39-3	1	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 4	Area 4 Reach A	WS40-1	0.5	0.03	<0.01	0.14	<0.03	<0.01	
Area 4	Area 4 Reach A	WS40-1	2	0.66	<0.01	1.58	0.24	<0.01	
Area 4	Area 4 Reach A	WS40-2	0.2	0.66	<0.01	2.8	0.09	<0.01	
Area 4	Area 4 Reach A	WS40-2	2	0.23	<0.01	1.07	0.05	<0.01	
Area 5	Area 5 Reach E	BH05-3	0.5	7.74	<0.01	12.2	7.97	<0.01	
Area 5	Area 5 Reach E	BH05-3	2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 5	Area 5 Reach D	IP05-1	0.5	0.53	<0.01	1.98	0.48	<0.01	
Area 5	Area 5 Reach A	TT05-2	0.5	0.21	<0.01	1.35	0.07	<0.01	
Area 5	Area 5 Reach A	TT05-2	2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 5	Area 5 Reach B	TT05-3	0.5	0.19	<0.01	1.12	0.06	<0.01	
Area 5	Area 5 Reach B	TT05-3	2	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 5	Area 5 Reach A	WS05-1	0.5	0.27	<0.01	0.62	<0.03	<0.01	
Area 5	Area 5 Reach A	WS05-1	1	0.07	<0.01	0.11	<0.03	<0.01	
Area 5	Area 5 Reach A	WS05-2	1.5	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 5	Area 5 Reach A	WS05-3	0.5	0.14	<0.01	0.62	<0.03	<0.01	
Area 5	Area 5 Reach A	WS05-4	0.5	0.12	<0.01	1.14	<0.03	<0.01	
Area 5	Area 5 Reach A	WS05-4	2.6	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 5	Area 5 Reach B	WS05-5	0.5	0.84	<0.01	4.34	0.34	<0.01	
Area 5	Area 5 Reach B	WS05-5	3.6	<0.02	<0.01	<0.05	<0.03	<0.01	
Area 5	Area 5 Reach C	WS05-7	0.5	0.24	0.04	2.05	0.17	0.03	
Area 5	Area 5 Reach E	WS05-8	0.2	0.06	<0.01	0.44	<0.03	<0.01	

Notes:

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Concentration is greater than the Generic Assessment Criteria (GAC)

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Concentration is less than the laboratory limit of detection (LOD)