

TABLE 9B

Summary of Mixed Material Pile Composite Sample and Boring and Test Pit Analytical Data
 Massachusetts Natural Fertilizer
 Westminster, Massachusetts
 Last Updated: 10/20/2022 (J. Libby)



Parameter	Sample Date	Depth/ Material	Estimated Volume (CY)	Regulated PFAS Compounds (ug/kg)						Other Analyzed PFAS Compounds (ug/kg)														
				PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	10:2FTS	8:2 FTS	NETFOA	N-ETFOA	NETFOE	N-MeFOA	PFBS	PFDoA	PFHpS	PFHxA	PFOSA	PFPeA	PFTA	PFTrDA	PFUnA
			MassDEP RCS-1	0.5	0.3	0.72	0.32	2	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
			MassDEP RCS-2	400	400	400	400	400	400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
B1/MW-1	8/30/22	1 ft	65 BPH	0.820	<0.291	9.58	6.61	46.2	23.9	5.53	1.93	1.85	40.6	10.5	0.640	<0.291	9.19	<0.582	0.659	12.4	<0.582	2.30	1.66	4.19
B2/MW-2	8/30/22	1 ft	65 BPH	1.07	<0.232	7.05	5.63	28.1	8.03	<0.93	<0.465	<0.93	6.33	<1.86	<0.465	0.347	3.38	<0.465	0.731	2.11	0.739	0.926	0.951	4.34
	8/30/22	15 - 17 ft	65 BPH	<0.261	<0.261	0.611	0.445	10.5	<0.261	<1.04	<0.522	<1.04	5.29	<2.09	<1.73	<0.261	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522
B3/MW-3	8/30/22	1 ft	65 BPH	<0.262	<0.262	0.328	<0.262	1.07	0.317	<1.05	<0.524	<1.05	<0.524	<2.1	<0.524	<0.262	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524
	8/31/22	14 ft	65 BPH	<0.768	<0.243	0.277	<0.243	1.54	0.371	<0.972	<0.486	<0.972	<0.486	<1.94	<0.486	<0.243	<0.486	<0.486	<1.54	<0.486	<1.54	<0.486	<0.486	<0.486
B4	8/31/22	1 ft	65 BPH	<0.247	<0.247	1.15	0.370	1.68	0.713	<0.987	<0.494	<0.987	0.974	<1.97	<0.494	<0.247	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494
B5/MW-4	8/31/22	1 ft	65 BPH	0.265	<0.254	4.92	1.52	12.8	2.86	3.08	4.36	<1.02	32.7	5.21	<0.508	<0.254	<0.508	<0.508	0.509	0.757	<0.508	<0.508	<0.508	<0.508
	8/31/22	13 - 15 ft	65 BPH	<0.248	<0.248	0.333	<0.248	<0.248	<0.248	<0.994	<0.497	<0.994	<0.497	<1.99	<0.497	<0.248	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497
B6	8/31/22	1 ft	65 BPH	2.95	<0.252	18.7	16.3	114	42.1	7.55	3.57	<1.01	36.2	2.55	0.755	0.268	10.2	0.851	1.65	8.05	1.30	2.28	1.90	7.42
B7	8/31/22	1 ft	65 BPH	<0.254	<0.254	<0.254	<0.254	0.350	0.310	<1.01	<0.507	<1.01	<0.507	<2.03	<0.507	<0.254	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507
Field Blank (ng/L)	8/30/22	--	65 BPH	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.78	<1.91	<1.91	<1.91	<47.8	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91
TP-1	8/30/22	0.5 - 1 ft	65 BPH	2.26	<0.245	9.03	1.52	80.1	4.95	3.25	10.5	<0.979	62.3	10.3	<0.489	<0.245	1.39	<0.489	1.47	2.58	1.32	<0.489	<0.489	0.810
TP-2	8/30/22	1 - 2 ft	65 BPH	2.02	<0.272	11.9	2.24	8.24	5.29	1.59	1.09	<1.09	10.4	<2.18	0.640	<0.272	1.90	<0.544	1.19	1.40	0.983	<0.544	<0.544	1.34
TP-3A	8/30/22	12 ft	65 BPH	<0.837	<0.837	1.20	<0.837	<0.837	<0.837	<3.35	<1.67	<1.07	<1.67	<2.14	<1.67	<0.837	<1.67	<1.67	<1.67	<0.534	-	<1.67	<1.67	<1.67
TP-3B	8/30/22	0.25 - 1 ft	65 BPH	1.13	<0.246	9.59	2.80	2.08	<0.246	<0.983	<0.492	<0.983	<0.492	<1.97	<0.492	<0.246	<0.492	<0.492	0.893	<0.492	0.702	<0.492	<0.492	<0.492
TP-4	8/30/22	8 ft	65 BPH	<0.271	<0.271	0.890	0.382	0.457	<0.271	<1.08	<0.541	<1.08	<0.541	<2.16	<1.93	<0.271	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541
TP-5	8/30/22	2 ft	65 BPH	6.90	0.399	66.2	4.86	10.9	4.09	<1.11	<0.556	<1.11	0.807	<2.22	<0.556	0.298	0.688	<0.556	3.74	<0.556	2.12	<0.556	<0.556	0.760
TP-6	8/30/22	1 - 2 ft	65 BPH	<0.259	<0.259	<0.259	<0.259	1.04	0.842	<1.04	<0.518	<1.04	0.598	<2.07	<0.518	<0.259	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518
TP-7	8/30/22	3 ft	65 BPH	<0.252	<0.252	<0.252	<0.252	<0.252	<0.252	<1.01	<0.505	<1.01	<0.505	<2.02	<0.505	<0.252	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505
Mixed Material Samples																								
E-1A	7/8/22	Seaman/ Greif	480	0.383 J	<0.658	1.50	0.408 J	2.50	0.592 J	-	-	-	1.74	-	<1.32	<0.658	0.425	-	2.61 B	-	-	0.221	<1.32	0.471 J
E-1B				0.447 J	<0.543	1.61	0.358 J	1.94	0.422 J	-	-	-	3.29	-	<1.09	0.212	0.377	-	4.7 B	-	-	0.224 J	<1.09	0.362 J
E-1C				0.393 J	<0.617	1.76	0.525 J	2.64	0.942	-	-	-	1.98	-	0.644 J	<0.617	0.532 J	-	1.40	-	-	0.294 J	<1.23	0.551 J
E-1D				0.434 J	<0.601	2.24	0.630	3.49	1.28	-	-	-	2.98	-	0.499 J	<0.601	0.601 J	-	1.23	-	-	0.291 J	<1.20	0.615 J
E-1E				0.518 J	<0.622	2.89	0.782	4.26	1.67	-	-	-	4.63	-	<1.24	<0.622	0.795 J	-	1.71 B	-	-	0.376 J	<1.24	0.804 J
E-2A	7/8/22	Seaman/ Greif	754	1.24	<0.616	5.68	1.28	6.91	2.90	-	-	-	5.31	-	1.52	1.58	1.29	-	11.4	-	-	0.471 J	<1.23	1.13 J
E-2B				1.39	<0.605	6.13	2.15	10.3	4.74	-	-	-	14.6	-	1.58	0.706	2.00	-	5.78 B	-	-	0.66 J	0.771 J	2.14
E-2C				2.15	<0.587	8.56	3.20	14.8	6.49	-	-	-	23.1	-	1.50	<0.587	2.70	-	4.47 B	-	-	0.858 J	1.09 J	3.20
E-2D				0.925	<0.662	4.37	1.73	9.26	3.80	-	-	-	9.96	-	0.568 J	<0.662	1.70	-	3.08	-	-	0.648 J	0.786 J	1.41
E-2E				2.03	<0.650	10.5	4.11	20.9	8.89	-	-	-	35.7	-	2.76	<0.650	3.69	-	3.62	-	-	1.28 J	1.51	3.76
E-2F				1.44	<0.532	7.43	3.33	17.5	7.12	-	-	-	25.1	-	2.24	0.130 J	3.18	-	4.02	-	-	1.14	1.27	3.30
E-2G				2.40	0.197 J	11.8	4.71	24.8	8.97	-	-	-	30.5	-	2.28	0.167 J	3.85	-	4.15 B	-	-	1.36 J	1.50	3.81
E-2H				2.02	<0.691	11.1	4.40	22.0	9.06	-	-	-	38.4	-	2.55	0.243 J	4.03	-	3.47	-	-	1.59	1.65	3.94
E-3A	7/8/22	Seaman/ Greif	428	1.24	<0.738	3.05	0.633 J	3.59	1.01	-	-	-	2.62	-	<1.48	0.816	0.687	-	27.4	-	-	0.333 J	<1.48	0.646 J
E-3B				1.13	<0.721	2.55	0.493 J	3.76	0.888	-	-	-	2.03	-	1.21 J	0.731	0.473	-	11.1	-	-	0.229 J	<1.44	0.499 J
E-3C				0.711	<0.652	1.91	0.387 J	1.84	0.585 J	-	-	-	1.42	-	<1.30	0.387 J	0.439 J	-	10.3	-	-	0.211 J	<1.3	0.472 J
E-3D				0.571 J	<0.714	2.60	0.518 J	4.70	1.01	-	-	-	2.32	-	0.838 J	0.929	0.594	-	8.96	-	-	0.220	<1.43	0.395
E-3E				0.658 J	<0.716	2.80	0.644	5.71	1.10	-	-	-	2.46	-	1.30 J	0.872	0.409 J	-	8.46	-	-	0.182	<1.43	0.408 J
E-4	7/8/22	Seaman/ Greif	52	2.11	0.180 J	9.65	4.01	22.3	7.51	-	-	-	19.4	-	1.42	0.137 J	2.96	-	3.44	-	-	1.11	0.990	3.12
E-5A	7/8/22		143	0.652	<0.484	3.63	0.627	3.68	1.09	-	-	-	4.09	-	0.567 J	0.275 J	0.415	-	3.89	-	-	0.192	<0.968	0.362 J
E-5B	7/8/22		137	0.965	<0.634	3.75	0.786	5.29	1.52	-	-	-	5.26	-	<1.27	0.314 J	0.772 J	-	4.71	-	-	0.274	0.530	0.668 J
E-6A	7/8/22		81	0.707 J	<0.775	3.93	0.775	5.89	2.00	-	-	-	3.87	-	<1.55	0.812	0.817 J	-	3.82	-	-	0.372	<1.55	0.775
E-6B	7/8/22		70	0.614 J	<0.627	3.70	0.965	7.95	2.62	-	-	-	7.72	-	0.840 J	0.876	1.24 J	-	7.69	-	-	0.478 J	<1.25	1.12
E-7	7/8/22		70	0.368 J	<0.707	1.55	0.375 J	5.27	1.37	-	-	-	5.67	-	<1.41	<0.707	0.327 J	-	3.43	-	-	<1.41	<1.41	0.591
E-8	7/8/22		70	0.383 J	<0.746	9.02	0.348	2.19	0.343 J	-	-	-	1.08 J	-	<1.49	<0.746	0.213	-	1.33 J	-	-	0.248	<1.49	0.164 J
E-9A	7/12/22		Seaman/ Greif	757	0.603 J	<1.86	6.77	1.06 J	6.29	1.03 J	-	-	-	2.17 J	-	<3.72	<1.86	0.659	-	1.51 J	-	-	0.51 J	<3.72

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Summary of Mixed Material Pile Composite Sample and Boring and Test Pit Analytical Data
 Massachusetts Natural Fertilizer
 Westminster, Massachusetts
 Last Updated: 10/20/2022 (J. Libby)



Parameter	Sample Date	Depth/ Material	Estimated Volume (CY)	Regulated PFAS Compounds (ug/kg)						Other Analyzed PFAS Compounds (ug/kg)														
				PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	10:2FTS	8:2 FTS	NEtFOSA	N-EtFOSAA	NEtFOSE	N-MeFOSAA	PFBS	PFDoA	PFHpS	PFHxA	PFOSA	PFPeA	PFTA	PFTrDA	PFUnA
			MassDEP RCS-1	0.5	0.3	0.72	0.32	2	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
			MassDEP RCS-2	400	400	400	400	400	400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
B1/MW-1	8/30/22	1 ft	65 BPH	0.820	<0.291	9.58	6.61	46.2	23.9	5.53	1.93	1.85	40.6	10.5	0.640	<0.291	9.19	<0.582	0.659	12.4	<0.582	2.30	1.66	4.19
B2/MW-2	8/30/22	1 ft	65 BPH	1.07	<0.232	7.05	5.63	28.1	8.03	<0.93	<0.465	<0.93	6.33	<1.86	<0.465	0.347	3.38	<0.465	0.731	2.11	0.739	0.926	0.951	4.34
	8/30/22	15 - 17 ft	65 BPH	<0.261	<0.261	0.611	0.445	10.5	<0.261	<1.04	<0.522	<1.04	5.29	<2.09	<1.73	<0.261	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522
B3/MW-3	8/30/22	1 ft	65 BPH	<0.262	<0.262	0.328	<0.262	1.07	0.317	<1.05	<0.524	<1.05	<0.524	<2.1	<0.524	<0.262	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524
	8/31/22	14 ft	65 BPH	<0.768	<0.243	0.277	<0.243	1.54	0.371	<0.972	<0.486	<0.972	<0.486	<1.94	<0.486	<0.243	<0.486	<0.486	<1.54	<0.486	<1.54	<0.486	<0.486	<0.486
B4	8/31/22	1 ft	65 BPH	<0.247	<0.247	1.15	0.370	1.68	0.713	<0.987	<0.494	<0.987	0.974	<1.97	<0.494	<0.247	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494
B5/MW-4	8/31/22	1 ft	65 BPH	0.265	<0.254	4.92	1.52	12.8	2.86	3.08	4.36	<1.02	32.7	5.21	<0.508	<0.254	<0.508	<0.508	0.509	0.757	<0.508	<0.508	<0.508	<0.508
	8/31/22	13 - 15 ft	65 BPH	<0.248	<0.248	0.333	<0.248	<0.248	<0.248	<0.994	<0.497	<0.994	<0.497	<1.99	<0.497	<0.248	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497
B6	8/31/22	1 ft	65 BPH	2.95	<0.252	18.7	16.3	114	42.1	7.55	3.57	<1.01	36.2	2.55	0.755	0.268	10.2	0.851	1.65	8.05	1.30	2.28	1.90	7.42
B7	8/31/22	1 ft	65 BPH	<0.254	<0.254	<0.254	<0.254	0.350	0.310	<1.01	<0.507	<1.01	<0.507	<2.03	<0.507	<0.254	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507
Field Blank (ng/L)	8/30/22	--	65 BPH	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.78	<1.91	<19.1	<1.91	<47.8	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91
TP-1	8/30/22	0.5 - 1 ft	65 BPH	2.26	<0.245	9.03	1.52	80.1	4.95	3.25	10.5	<0.979	62.3	10.3	<0.489	<0.245	1.39	<0.489	1.47	2.58	1.32	<0.489	<0.489	0.810
TP-2	8/30/22	1 - 2 ft	65 BPH	2.02	<0.272	11.9	2.24	8.24	5.29	1.59	1.09	<1.09	10.4	<2.18	0.640	<0.272	1.90	<0.544	1.19	1.40	0.983	<0.544	<0.544	1.34
TP-3A	8/30/22	12 ft	65 BPH	<0.837	<0.837	1.20	<0.837	<0.837	<0.837	<3.35	<1.67	<1.07	<1.67	<2.14	<1.67	<0.837	<1.67	<1.67	<1.67	<0.534	-	<1.67	<1.67	<1.67
TP-3B	8/30/22	0.25 - 1 ft	65 BPH	1.13	<0.246	9.59	2.80	2.08	<0.246	<0.983	<0.492	<0.983	<0.492	<1.97	<0.492	<0.246	<0.492	<0.492	0.893	<0.492	0.702	<0.492	<0.492	<0.492
TP-4	8/30/22	8 ft	65 BPH	<0.271	<0.271	0.890	0.382	0.457	<0.271	<1.08	<0.541	<1.08	<0.541	<2.16	<1.93	<0.271	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541
TP-5	8/30/22	2 ft	65 BPH	6.90	0.399	66.2	4.86	10.9	4.09	<1.11	<0.556	<1.11	0.807	<2.22	<0.556	0.298	0.688	<0.556	3.74	<0.556	2.12	<0.556	<0.556	0.760
TP-6	8/30/22	1 - 2 ft	65 BPH	<0.259	<0.259	<0.259	<0.259	1.04	0.842	<1.04	<0.518	<1.04	0.598	<2.07	<0.518	<0.259	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518
TP-7	8/30/22	3 ft	65 BPH	<0.252	<0.252	<0.252	<0.252	<0.252	<0.252	<1.01	<0.505	<1.01	<0.505	<2.02	<0.505	<0.252	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505
Mixed Material Samples																								
K-1	7/12/22	Compost	<100	5.45	0.377 J	43.4	10.8	58.2	30.2	-	-	-	112	-	4.52	1.57	10.0	-	6.46	-	-	2.68	2.75	8.98
K-2A	7/12/22	Compost	1,032	7.49	0.465	25.5	8.74	61.6	17.6	-	-	-	18.5	-	1.89	1.68	6.37	-	11.6	-	-	2.13	1.96	5.92
K-2B				6.04	0.343 J	23.4	7.35	45.5	15.7	-	-	-	32.5	-	2.49	1.74	5.58	-	10.9	-	-	1.70	1.78	5.36
K-2C				5.43	0.447 J	21.2	6.91	41.8	14.7	-	-	-	30.4	-	2.12	1.64	5.32	-	11.1	-	-	1.66	1.58	4.94
K-2D				5.78	0.338 J	20.6	6.36	41.5	14.6	-	-	-	30.8	-	2.12	1.37	5.32	-	11.3	-	-	1.52	1.59	4.80
K-2E				5.14	0.34 J	18.1	5.41	34.6	12.7	-	-	-	23.1	-	2.09	1.72	4.45	-	10.1	-	-	1.51	1.44	4.10
K-2F				4.98	0.281 J	17.8	5.60	40.2	13.6	-	-	-	16.2	-	1.55	1.54	4.99	-	9.50	-	-	1.66	1.63	4.38
K-2G				5.05	0.337 J	17.3	5.52	33.9	11.7	-	-	-	22.6	-	2.22	1.66	4.04	-	10.7	-	-	1.30	1.29	3.90
K-2H				6.18	0.376 J	23.1	7.24	44.0	15.5	-	-	-	31.3	-	2.64	1.60	5.33	-	11.6	-	-	1.69	1.69	4.91
K-2I				6.60	0.411 J	23.5	7.68	51.1	15.9	-	-	-	23.4	-	1.82	1.66	5.76	-	11.5	-	-	1.83	1.80	4.94
K-2J				7.42	0.415	26.1	8.46	52.5	17.3	-	-	-	25.7	-	1.92	1.58	5.79	-	11.3	-	-	1.79	1.77	5.44
K-3A	7/12/22	Compost	938	1.94	<0.528	5.81	1.31	11.7	3.43	-	-	-	7.57	-	3.57	1.32	1.52	-	17.1	-	-	0.568 J	0.525 J	1.17
K-3B				2.10	<0.586	5.99	1.48	11.1	3.61	-	-	-	6.87	-	3.30	1.14	1.36	-	14.0	-	-	0.537 J	0.501 J	1.19
K-3C				1.87	<0.548	5.27	1.25	10.1	3.14	-	-	-	6.14	-	2.27	0.962	1.24	-	12.9	-	-	0.542 J	0.475 J	1.00 J
K-3D				2.32	<0.512	5.67	1.31	11.4	3.06	-	-	-	7.23	-	2.53	1.09	1.22	-	16.9	-	-	0.548 J	0.574	1.14
K-3E				2.63	0.211 J	8.05	1.54	13.6	4.58	-	-	-	9.52	-	3.19	1.86	1.92	-	24.1	-	-	0.852 J	0.571 J	1.33
K-3F				2.07	0.123 J	5.92	1.34	12.1	3.48	-	-	-	9.23	-	2.77	1.17	1.40	-	16.0	-	-	0.686 J	0.653 J	1.14
K-3G				5.97	0.316 J	9.37	2.07	17.7	5.57	-	-	-	5.12	-	<1.24	3.68	1.87	-	33.2	-	-	0.715 J	0.505 J	1.35
K-3H				4.13	0.292 J	7.88	1.44	13.7	4.00	-	-	-	6.41	-	2.12	2.62	1.21	-	30.1	-	-	0.574	<1.01	0.889 J
K-3I				3.53	0.197 J	7.79	2.20	15.0	5.56	-	-	-	11.0	-	1.79	0.788	1.88	-	11.8	-	-	0.835 J	0.653 J	1.41
K-3J				4.01	0.209	7.15	1.89	13.8	5.49	-	-	-	8.82	-	1.68	0.558 J	2.21	-	13.3	-	-	0.992 J	0.611 J	1.35
L-1	7/12/22	Top Shelf	<100	1.88	0.162 J	11.3	4.11	20.9	9.11	-	-	-	15.0	-	1.17	2.21	3.63	-	4.45	-	-	1.30	1.29	3.43
O-1A	7/12/22	Tailings	136	6.18	0.318	23.8	7.55	46.3	16.3	-	-	-	29.6	-	0.890 J	3.97	6.25	-	10.1	-	-	2.05	1.74	4.82
O-1B				7.54	0.338	27.2	7.74	50.5	21.8	-	-	-	27.2	-	0.919	3.85	7.05	-	12.8	-	-	2.09	1.77	5.35
O-2A	7/12/22	Tailings	148	4.60	0.228 J	17.0	5.61	36.1	13.3	-	-	-	25.5	-	0.579 J	2.54	5.21	-	7.65	-	-	1.93	1.39	4.46
O-2B				7.37	0.411 J	26.0	8.12	62.1	19.2	-	-	-	32.3	-	0.402 J	5.17	7.31	-	11.5	-	-	2.73	2.32	5.87
O-2C				4.17	0.244 J	16.5	4.80	37.6	12.0	-	-	-	23.3	-	<0.816	2.86	4.90	-	6.63	-	-	1.95	1.70	3.42
O-3A	7/12/22	Tailings	133	4.55	0.185 J	17.3	6.03	41.6	15.8	-	-	-	15.1											

TABLE 9B

Summary of Mixed Material Pile Composite Sample and Boring and Test Pit Analytical Data
 Massachusetts Natural Fertilizer
 Westminster, Massachusetts
 Last Updated: 10/20/2022 (J. Libby)



Parameter	Sample Date	Depth/ Material	Estimated Volume (CY)	Regulated PFAS Compounds (ug/kg)						Other Analyzed PFAS Compounds (ug/kg)														
				PFHpA	PFHxS	PFOA	PFNA	PFOS	PFDA	10:2FTS	8:2 FTS	NETFOSA	N-ETFOSAA	NETFOSE	N-MeFOSAA	PFBS	PFDoA	PFHpS	PFHxA	PFOSA	PFPeA	PFTA	PFTrDA	PFUNA
			MassDEP RCS-1	0.5	0.3	0.72	0.32	2	0.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
			MassDEP RCS-2	400	400	400	400	400	400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
B1/MW-1	8/30/22	1 ft	65 BPH	0.820	<0.291	9.58	6.61	46.2	23.9	5.53	1.93	1.85	40.6	10.5	0.640	<0.291	9.19	<0.582	0.659	12.4	<0.582	2.30	1.66	4.19
B2/MW-2	8/30/22	1 ft	65 BPH	1.07	<0.232	7.05	5.63	28.1	8.03	<0.93	<0.465	<0.93	6.33	<1.86	<0.465	0.347	3.38	<0.465	0.731	2.11	0.739	0.926	0.951	4.34
	8/30/22	15 - 17 ft	65 BPH	<0.261	<0.261	0.611	0.445	10.5	<0.261	<1.04	<0.522	<1.04	5.29	<2.09	<1.73	<0.261	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522	<0.522
B3/MW-3	8/30/22	1 ft	65 BPH	<0.262	<0.262	0.328	<0.262	1.07	0.317	<1.05	<0.524	<1.05	<0.524	<2.1	<0.524	<0.262	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524	<0.524
	8/31/22	14 ft	65 BPH	<0.768	<0.243	0.277	<0.243	1.54	0.371	<0.972	<0.486	<0.972	<0.486	<1.94	<0.486	<0.243	<0.486	<0.486	<1.54	<0.486	<1.54	<0.486	<0.486	<0.486
B4	8/31/22	1 ft	65 BPH	<0.247	<0.247	1.15	0.370	1.68	0.713	<0.987	<0.494	<0.987	0.974	<1.97	<0.494	<0.247	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494	<0.494
B5/MW-4	8/31/22	1 ft	65 BPH	0.265	<0.254	4.92	1.52	12.8	2.86	3.08	4.36	<1.02	32.7	5.21	<0.508	<0.254	<0.508	<0.508	0.509	0.757	<0.508	<0.508	<0.508	<0.508
	8/31/22	13 - 15 ft	65 BPH	<0.248	<0.248	0.333	<0.248	<0.248	<0.248	<0.994	<0.497	<0.994	<0.497	<1.99	<0.497	<0.248	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497	<0.497
B6	8/31/22	1 ft	65 BPH	2.95	<0.252	18.7	16.3	114	42.1	7.55	3.57	<1.01	36.2	2.55	0.755	0.268	10.2	0.851	1.65	8.05	1.30	2.28	1.90	7.42
B7	8/31/22	1 ft	65 BPH	<0.254	<0.254	<0.254	<0.254	0.350	0.310	<1.01	<0.507	<1.01	<0.507	<2.03	<0.507	<0.254	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507	<0.507
Field Blank (ng/L)	8/30/22	--	65 BPH	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<4.78	<1.91	<19.1	<1.91	<47.8	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91
TP-1	8/30/22	0.5 - 1 ft	65 BPH	2.26	<0.245	9.03	1.52	80.1	4.95	3.25	10.5	<0.979	62.3	10.3	<0.489	<0.245	1.39	<0.489	1.47	2.58	1.32	<0.489	<0.489	0.810
TP-2	8/30/22	1 - 2 ft	65 BPH	2.02	<0.272	11.9	2.24	8.24	5.29	1.59	1.09	<1.09	10.4	<2.18	0.640	<0.272	1.90	<0.544	1.19	1.40	0.983	<0.544	<0.544	1.34
TP-3A	8/30/22	12 ft	65 BPH	<0.837	<0.837	1.20	<0.837	<0.837	<0.837	<3.35	<1.67	<1.07	<1.67	<2.14	<1.67	<0.837	<1.67	<1.67	<1.67	<0.534	-	<1.67	<1.67	<1.67
TP-3B	8/30/22	0.25 - 1 ft	65 BPH	1.13	<0.246	9.59	2.80	2.08	<0.246	<0.983	<0.492	<0.983	<0.492	<1.97	<0.492	<0.246	<0.492	<0.492	0.893	<0.492	0.702	<0.492	<0.492	<0.492
TP-4	8/30/22	8 ft	65 BPH	<0.271	<0.271	0.890	0.382	0.457	<0.271	<1.08	<0.541	<1.08	<0.541	<2.16	<1.93	<0.271	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541	<0.541
TP-5	8/30/22	2 ft	65 BPH	6.90	0.399	66.2	4.86	10.9	4.09	<1.11	<0.556	<1.11	0.807	<2.22	<0.556	0.298	0.688	<0.556	3.74	<0.556	2.12	<0.556	<0.556	0.760
TP-6	8/30/22	1 - 2 ft	65 BPH	<0.259	<0.259	<0.259	<0.259	1.04	0.842	<1.04	<0.518	<1.04	0.598	<2.07	<0.518	<0.259	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518	<0.518
TP-7	8/30/22	3 ft	65 BPH	<0.252	<0.252	<0.252	<0.252	<0.252	<0.252	<1.01	<0.505	<1.01	<0.505	<2.02	<0.505	<0.252	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505	<0.505
Mixed Material Samples																								
O-5A	7/12/22	Tailings	297	3.38	0.169 J	13.4	4.70	38.9	14.8	-	-	-	16.4	-	0.507 J	1.06	6.04	-	4.20	-	-	2.32	1.64	4.71
O-5B				5.06	0.183 J	18.3	6.72	45.4	21.0	-	-	-	26.6	-	0.902	1.18	8.82	-	5.03	-	-	2.93	2.22	5.68
O-5C				1.94	0.199 J	11.7	4.82	40.4	11.2	-	-	-	6.25	-	<0.686	0.507	4.90	-	1.38	-	-	2.07	1.50	3.39
O-5D				3.63	0.235 J	16.2	6.15	48.2	14.4	-	-	-	11.2	-	<0.632	0.876	6.75	-	3.18	-	-	2.43	2.20	4.70
O-5E				2.34	0.222 J	17.6	7.25	65.4	18.4	-	-	-	24.2	-	0.429 J	0.372	8.37	-	1.42	-	-	3.03	2.37	5.94
Q-1A	7/11/22	Red Mud/ Ball Corp. DE	227	0.462 J	<0.644	2.39	0.758	4.22	2.16	-	-	-	6.62	-	<1.29	0.224 J	1.00	-	0.829 J	-	-	0.421 J	<1.29	0.696 J
Q-1B				0.923	<0.561	5.48	1.72	10.7	4.18	-	-	-	12.4	-	0.931 J	0.846	1.94	-	2.52	-	-	0.834	0.542	1.22
Q-1C				1.84	<0.540	9.64	2.65	17.4	7.68	-	-	-	18.2	-	1.55	1.71	3.16	-	4.67	-	-	1.08	0.769 J	2.47
S-1A	7/8/22	Yard Waste & Tea Leaves	177	1.85	<0.596	9.04	1.83	11.4	4.94	-	-	-	5.98	-	<1.19	4.46	1.28	-	7.04	-	-	0.382 J	<1.19	1.07 J
S-1B				1.08	<0.637	5.53	1.19	8.59	3.12	-	-	-	4.61	-	<1.27	2.22	0.876 J	-	3.96	-	-	0.237 J	<1.27	0.65 J
U-1A	7/12/22	lettuce/tea leaves	229	1.87	<0.889	9.44	3.76	21.3	9.27	-	-	-	12.9	-	<1.78	0.324 J	3.94	-	2.47	-	-	1.30 J	1.17 J	3.12
U-1B				0.878	<0.786	4.74	1.35	7.47	3.65	-	-	-	7.16	-	<1.57	<0.786	1.90	-	1.29 J	-	-	0.657 J	<1.57	1.20 J
U-1C				0.909	<0.622	4.24	1.20	5.71	3.11	-	-	-	4.58	-	<1.24	0.116 J	1.14 J	-	1.73	-	-	0.397 J	<1.24	0.975 J
V-1A	7/11/22	Seaman Paper/ Sawdust	340	1.83	<0.324	1.09	0.211 J	2.14	0.666	-	-	-	1.96	-	0.413 J	<0.324	0.290 J	-	15.2	-	-	0.185	<0.648	0.287
V-1B				0.519	<0.271	0.679	0.192 J	1.39	0.388	-	-	-	1.30	-	<0.542	0.146	0.143 J	-	3.33	-	-	0.077 J	<0.542	0.19 J
V-1C				2.49	<0.359	1.53	0.351 J	2.40	0.767	-	-	-	1.74	-	<0.719	0.118	0.347 J	-	66.0	-	-	0.164 J	<0.719	0.309 J
V-1D				1.70	<0.318	1.41	0.394	2.19	0.759	-	-	-	2.40	-	<0.635	0.145	0.294	-	11.1	-	-	0.134 J	<0.635	0.282 J
V-2A	7/11/22	Seaman Paper/ Sawdust	956	1.16	<0.292	2.10	0.582	3.36	1.31	-	-	-	3.52	-	0.260 J	0.089 J	0.430 J	-	11.5	-	-	0.272	<0.584	0.520
V-2B				1.22	<0.299	1.73	0.486	2.42	0.948	-	-	-	2.52	-	0.510	0.113	0.445	-	9.98	-	-	0.182 J	<0.598	0.427 J
V-2C				0.874	<0.349	1.62	0.578	2.66	1.08	-	-	-	2.63	-	0.415	<0.349	0.536	-	5.92	-	-	0.231 J	<0.698	0.623 J
V-2D				1.03	<0.328	1.87	0.660	2.87	1.21	-	-	-	2.67	-	<0.657	<0.328	0.531 J	-	7.04	-	-	0.231 J	<0.657	0.557 J
V-2E				0.834	<0.310	1.57	0.512	2.75	1.06	-	-	-	3.33	-	<0.621	<0.31	0.482 J	-	5.85	-	-	0.194 J	<0.621	0.456 J
V-2F				1.07	0.080	1.37	0.426	2.42	0.796	-	-	-	3.09	-	<0.647	<0.323	0.438	-	7.75	-	-	0.154	<0.647	0.368 J
V-2G				0.923																				