

Tables

Table 1. Test Pit Soil Analytical Results
Former SHW
35 North Main Street, Ansonia, CT

Sample Location					TP-1		TP-1A	TP-1B	TP-1C	TP-2		TP-3		TP-3A	TP-3B		TP-3C
Sample Depth (feet)					1' - 2'	5' - 6'	2'	2'	2'	1' - 2.5'	3' - 5'	2' - 3'	4' - 6'	5' - 6'	5' - 6'	7' - 8'	4'
Sample ID					TP-1 1`-2`	TP-1 5`-6`	TP-1A 2`	TP-1B 2`	TP-1C 2`	TP-2 1`-2.5`	TP-2 3`-5`	TP-3 2`-3`	TP-3 4`-6`	TP-3A 5`-6`	TP-3B 5`-6`	TP-3B 7`-8`	TP-3C 4`
Collection Date					4/15/2024	4/15/2024	7/22/2024	7/22/2024	7/22/2024	4/15/2024	4/15/2024	4/15/2024	4/15/2024	7/22/2024	7/22/2024	7/22/2024	7/23/2024
Laboratory ID					CQ51827	CQ51826	CR24125	CR24126	CR24127	CQ51819	CQ51818	CQ51822	CQ51823	CR24122	CR24123	CR24124	CR25277
	DEC RES	DEC I/C	GB PMC	GWPC X 10													
Total Metals, mg/Kg																	
Antimony	27	8,200	NE	NR	< 3.6	< 3.4	NA	NA	NA	5.7	< 3.5	6.8	< 3.8	NA	NA	NA	NA
Arsenic	10	10	NE	NR	2.89	16.2	NA	NA	NA	10.7	10.7	18.9	13.6	NA	NA	NA	NA
Barium	4,700	140,000	NE	NR	24.9	47.5	NA	NA	NA	57.1	28.6	81.7	103	NA	NA	NA	NA
Beryllium	2	2	NE	NR	< 0.29	0.38	NA	NA	NA	0.43	0.29	0.35	0.69	NA	NA	NA	NA
Cadmium	34	1,000	NE	NR	< 0.36	< 0.34	NA	NA	NA	1.22	< 0.35	3.19	1.67	NA	NA	NA	NA
Chromium	NE	NE	NE	NR	16.5	14.6	NA	NA	NA	263	4.85	66.8	18.6	NA	NA	NA	NA
Copper	2,500	76,000	NE	NR	51.9	57.4	NA	NA	NA	986	15.5	474	74.6	NA	NA	NA	NA
Lead	400	1,000	NE	NR	23.8	21.3	NA	NA	NA	328	11.9	306	34.5	NA	NA	NA	NA
Mercury	20	610	NE	NR	< 0.03	0.05	NA	NA	NA	1.15	< 0.03	0.23	0.17	NA	NA	NA	NA
Nickel	1,400	7,500	NE	NR	35.1	14.8	NA	NA	NA	28.3	4.44	46	23.3	NA	NA	NA	NA
Silver	340	10,000	NE	NR	< 0.36	< 0.34	NA	NA	NA	0.71	< 0.35	< 0.39	< 0.38	NA	NA	NA	NA
Vanadium	470	14,000	NE	NR	13.4	22.6	NA	NA	NA	28.6	16.2	37.9	49.6	NA	NA	NA	NA
Zinc	20,000	610,000	NE	NR	31.9	49.2	NA	NA	NA	329	41.9	477	255	NA	NA	NA	NA
SPLP Metals, mg/L																	
SPLP Arsenic	NE	NE	0.5	NR	< 0.004	NA	NA	NA	NA	< 0.004	NA	NA	0.007	NA	NA	NA	NA
SPLP Barium	NE	NE	10	NR	0.013	NA	NA	NA	NA	< 0.010	NA	NA	< 0.010	NA	NA	NA	NA
SPLP Chromium	NE	NE	0.5	NR	< 0.010	NA	NA	NA	NA	0.013	NA	NA	< 0.010	NA	NA	NA	NA
SPLP Copper	NE	NE	13	NR	< 0.010	NA	NA	NA	NA	0.038	NA	NA	< 0.010	NA	NA	NA	NA
SPLP Lead	NE	NE	0.15	NR	< 0.010	NA	NA	NA	NA	0.024	NA	NA	< 0.010	NA	NA	NA	NA
SPLP Mercury	NE	NE	0.02	NR	< 0.0005	NA	NA	NA	NA	< 0.0005	NA	NA	< 0.0005	NA	NA	NA	NA
SPLP Zinc	NE	NE	50	NR	< 0.010	NA	NA	NA	NA	0.018	NA	NA	0.017	NA	NA	NA	NA
ETPH, mg/Kg																	
Ext. Petroleum H.C. (C9-C36)	500	2,500	2,500	NR	1,600	180	140	170	260	< 300	< 52	< 290	2,000	150	8,400	220	< 52
SPLP ETPH, mg/L																	
Ext. Petroleum H.C.	NE	NE	NE	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.86	NA	NA
PCBs, ug/Kg																	
PCB-1260	1,000	10,000	NE	NR	NA	NA	NA	NA	NA	NA	NA	< 380	< 400	NA	NA	NA	NA
VOCs, ug/Kg																	
1,2,4-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
1,3,5-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
2-Isopropyltoluene	NE	NE	NE	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	56,000	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
n-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
n-Propylbenzene	500,000*	1,000,000*	10,000*	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
p-Isopropyltoluene	500,000*	1,000,000*	5,000*	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
sec-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 420	< 6.0	NA	NA	NA	< 8.4	< 9.9	< 12	< 380	NA	NA	NA	NA
SVOC, ug/Kg																	
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	290	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	1,300	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Acenaphthylene	1,000,000	2,500,000	84,000	NR	< 250	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Anthracene	1,000,000	2,500,000	400,000	NR	1,200	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Benz(a)anthracene	1,000	7,800	1,000	NR	35,000	4,300	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Benzo(a)pyrene	1,000	1,000	1,000	NR	68,000	8,300	NA	NA	NA	NA	NA	NA	320	NA	NA	NA	NA
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	80,000	12,000	NA	NA	NA	NA	NA	NA	380	NA	NA	NA	NA
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	39,000	4500	NA	NA	NA	NA	NA	NA	310	NA	NA	NA	NA
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	25,000	3800	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	44,000	410,000	11,000	NR	< 360	< 360	NA	NA	NA	NA	NA	NA	< 400	NA	NA	NA	NA

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35 North Main Street, Ansonia, CT

Sample Location					TP-1		TP-1A	TP-1B	TP-1C	TP-2		TP-3		TP-3A	TP-3B		TP-3C
Sample Depth (feet)					1' - 2'	5' - 6'	2'	2'	2'	1' - 2.5'	3' - 5'	2' - 3'	4' - 6'	5' - 6'	5' - 6'	7' - 8'	4'
Sample ID					TP-1 1`-2`	TP-1 5`-6`	TP-1A 2`	TP-1B 2`	TP-1C 2`	TP-2 1`-2.5`	TP-2 3`-5`	TP-3 2`-3`	TP-3 4`-6`	TP-3A 5`-6`	TP-3B 5`-6`	TP-3B 7`-8`	TP-3C 4`
Collection Date					4/15/2024	4/15/2024	7/22/2024	7/22/2024	7/22/2024	4/15/2024	4/15/2024	4/15/2024	4/15/2024	7/22/2024	7/22/2024	7/22/2024	7/23/2024
Laboratory ID					CQ51827	CQ51826	CR24125	CR24126	CR24127	CQ51819	CQ51818	CQ51822	CQ51823	CR24122	CR24123	CR24124	CR25277
	DEC RES	DEC I/C	GB PMC	GWPC X 10													
Carbazole	31,000*	290,000*	1,000*	NR	1100	< 360	NA	NA	NA	NA	NA	NA	< 400	NA	NA	NA	NA
Chrysene	84,000*	780,000*	1,000*	NR	43000	5700	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	9,100	1,100	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Dibenzofuran	68,000*	1,000,000*	1,400*	NR	< 250	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Fluoranthene	1,000,000	2,500,000	56,000	NR	33,000	3,600	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Fluorene	1,000,000	2,500,000	56,000	NR	350	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	42,000	4,900	NA	NA	NA	NA	NA	NA	300	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	56,000	NR	280	< 250	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Phenanthrene	1,000,000	2,500,000	40,000	NR	4,900	690	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
Pyrene	1,000,000	2500000	40,000	NR	36,000	3,900	NA	NA	NA	NA	NA	NA	< 280	NA	NA	NA	NA
PAHs, ug/Kg																	
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	NA	NA	< 250	< 260	< 250	< 280	< 240	< 260	NA	< 250	< 280	< 280	< 240
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	NA	NA	< 250	< 260	< 250	< 280	< 240	< 260	NA	< 250	< 280	< 280	< 240
Acenaphthylene	1,000,000	2,500,000	84,000	NR	NA	NA	< 250	< 260	< 250	1,300	< 240	< 260	NA	< 250	< 280	< 280	< 240
Anthracene	1,000,000	2,500,000	400,000	NR	NA	NA	< 250	< 260	< 250	660	< 240	< 260	NA	< 250	< 280	< 280	< 240
Benz(a)anthracene	1,000	7,800	1,000	NR	NA	NA	930	410	1,400	3,100	< 240	710	NA	< 250	< 280	< 280	< 240
Benzo(a)pyrene	1,000	1,000	1,000	NR	NA	NA	1,400	550	2,100	4,100	< 240	1,000	NA	420	< 280	< 280	< 240
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	NA	NA	2,000	750	3,000	5,300	< 240	1,800	NA	580	< 280	< 280	< 240
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	NA	NA	1,300	530	1,900	2700	< 240	780	NA	470	< 280	< 280	< 240
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	NA	NA	620	< 260	970	1800	< 240	620	NA	< 250	< 280	< 280	< 240
Chrysene	84,000*	780,000*	1,000*	NR	NA	NA	1,100	510	1,700	3100	< 240	920	NA	260	< 280	< 280	< 240
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	NA	NA	290	< 260	460	590	< 240	< 260	NA	< 250	< 280	< 280	< 240
Fluoranthene	1,000,000	2,500,000	56,000	NR	NA	NA	760	400	1,400	7,100	< 240	700	NA	270	< 280	< 280	< 240
Fluorene	1,000,000	2,500,000	56,000	NR	NA	NA	< 250	< 260	< 250	< 280	< 240	< 260	NA	< 250	760	< 280	< 240
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	NA	NA	1,100	450	1,700	2,700	< 240	780	NA	440	< 280	< 280	< 240
Naphthalene	1,000,000	2,500,000	56,000	NR	NA	NA	< 250	< 260	< 250	310	< 240	< 260	NA	< 250	< 280	< 280	< 240
Phenanthrene	1,000,000	2,500,000	40,000	NR	NA	NA	550	< 260	740	2,300	< 240	330	NA	< 250	2,400	< 280	< 240
Pyrene	1,000,000	2,500,000	40,000	NR	NA	NA	800	370	1,200	6,500	< 240	650	NA	270	< 280	< 280	< 240
SPLP PAH, ug/L																	
Benz(a)anthracene	NE	NE	NE	0.6	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NE	NE	NE	2	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NE	NE	NE	0.8	0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NE	NE	NE	5	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	48	0.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NE	NE	NE	1	0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NE	NE	NE	1	0.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NE	NE	NE	2,000	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NE	NE	NE	2,000	0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygenates & Dioxane, ug/Kg	None detected in soil samples																

Notes:

Table shows detected analytes only. For full results, please see lab reports

Bold = Detected above reporting limit

Orange highlighted cells exceed I/C DEC (RSR or APS)

Yellow highlighted cells exceed RDEC but not I/C DEC (RSR or APS)

Purple highlighted cells exceed GB PMC, but do not exceed either DEC.

RSR = Remediation Standard Regulations; RCSA 22a-133k-1 through 22a-133k-3

DEC = RSR Direct Exposure Criteria

RDEC = Residential DEC

I/C DEC = Industrial/Commercial DEC

APS = Additional Polluting Substances

* Value from Technical Support Document: Recommended Numeric Criteria for Common
Additional Polluting Substances and Certain Alternative Criteria (CT DEEP, 2018)

mg/kg = milligram per kilogram

ug/kg = microgram per kilogram

NE = Criteria Not Established

NA = Not analyzed for this parameter

NR = Not Referenced for this matrix/analysis

Table 1. Test Pit Soil Analytical Results
Former SHW
35 North Main Street, Ansonia, CT

Sample Location					TP-4		TP-5		TP-6		TP-6A	TP-7	TP-7A		TP-8A	
Sample Depth (feet)					1' - 2'	3' - 5'	1' - 2'	5' - 6'	1' - 2'	6' - 8'	6'	4' - 6'	2.5'		7' - 9'	
Sample ID					TP-4 1'-2'	TP-4 3'-5'	TP-5 1'-2'	TP-5 5'-6'	TP-6 1'-2'	TP-6 6'-8'	TP-6A 6'	TP-7 4'-6'	TP-7A 2.5'	TP-7A2 2.5'	TP-8A 7'-9'	TP-8D 7'-9'
Collection Date					4/15/2024	4/15/2024	4/15/2024	4/15/2024	4/15/2024	4/15/2024	7/22/2024	4/15/2024	7/23/2024	7/23/2024	4/15/2024	4/15/2024
Laboratory ID					CQ51821	CQ51820	CQ51824	CQ51825	CQ51830	CQ51829	CR24132	CQ51828	CR25272	CR25273	CQ51831	CQ51833
	DEC RES	DEC I/C	GB PMC	GWPC X 10												
Total Metals, mg/Kg																
Antimony	27	8,200	NE	NR	< 3.7	< 3.3	< 3.5	< 3.8	< 3.8	< 4.4	NA	< 3.9	NA	NA	5.6	5.8
Arsenic	10	10	NE	NR	7.9	13	8.36	22.7	6.3	7.35	NA	5.6	NA	NA	7.87	8.33
Barium	4,700	140,000	NE	NR	43.2	28.7	81.7	87.3	31	92.4	NA	154	NA	NA	88.4	71.4
Beryllium	2	2	NE	NR	0.48	0.28	0.39	0.48	0.44	0.42	NA	0.34	NA	NA	0.44	0.42
Cadmium	34	1,000	NE	NR	1.68	0.36	2.22	1.41	< 0.38	< 0.44	NA	1.93	NA	NA	1.37	2.36
Chromium	NE	NE	NE	NR	14	3.69	22.1	13.4	15.5	11	NA	56.1	NA	NA	138	96.9
Copper	2,500	76,000	NE	NR	95.3	10.5	161	81	16.4	218	NA	138	NA	NA	430	601
Lead	400	1,000	NE	NR	47.4	5.74	308	73.6	20.9	43.8	NA	253	NA	NA	148	213
Mercury	20	610	NE	NR	0.07	< 0.03	0.14	0.1	< 0.03	0.23	NA	0.11	NA	NA	1.09	1.34
Nickel	1,400	7,500	NE	NR	15.1	3.78	35.4	9.67	11.7	19.9	NA	91.2	NA	NA	23.9	28.9
Silver	340	10,000	NE	NR	< 0.37	< 0.33	< 0.35	< 0.38	< 0.38	< 0.44	NA	< 0.39	NA	NA	0.36	< 0.34
Vanadium	470	14,000	NE	NR	27.7	18.4	28.4	40.8	23.7	25.4	NA	31.8	NA	NA	43.5	57.9
Zinc	20,000	610,000	NE	NR	169	38.7	200	278	27.9	63	NA	219	NA	NA	306	481
SPLP Metals, mg/L																
SPLP Arsenic	NE	NE	0.5	NR	< 0.004	NA	NA	0.006	< 0.004	NA	NA	< 0.004	NA	NA	< 0.004	NA
SPLP Barium	NE	NE	10	NR	< 0.010	NA	NA	< 0.010	< 0.010	NA	NA	0.015	NA	NA	0.029	NA
SPLP Chromium	NE	NE	0.5	NR	< 0.010	NA	NA	< 0.010	< 0.010	NA	NA	< 0.010	NA	NA	0.045	NA
SPLP Copper	NE	NE	13	NR	< 0.010	NA	NA	< 0.010	< 0.010	NA	NA	< 0.010	NA	NA	0.161	NA
SPLP Lead	NE	NE	0.15	NR	< 0.010	NA	NA	< 0.010	< 0.010	NA	NA	< 0.010	NA	NA	0.101	NA
SPLP Mercury	NE	NE	0.02	NR	< 0.0005	NA	NA	< 0.0005	< 0.0005	NA	NA	< 0.0005	NA	NA	0.0006	NA
SPLP Zinc	NE	NE	50	NR	< 0.010	NA	NA	0.015	< 0.010	NA	NA	0.011	NA	NA	0.104	NA
ETPH, mg/Kg																
Ext. Petroleum H.C. (C9-C36)	500	2,500	2,500	NR	< 58	< 52	< 270	< 58	80	< 62	< 55	360	NA	NA	< 280	640
SPLP ETPH, mg/L																
Ext. Petroleum H.C.	NE	NE	NE	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs, ug/Kg																
PCB-1260	1,000	10,000	NE	NR	NA	NA	NA	NA	< 380	< 420	< 370	2,600	< 360	< 360	< 370	< 370
VOCs, ug/Kg																
1,2,4-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
1,3,5-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
2-Isopropyltoluene	NE	NE	NE	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
Naphthalene	1,000,000	2,500,000	56,000	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
n-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
n-Propylbenzene	500,000*	1,000,000*	10,000*	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
p-Isopropyltoluene	500,000*	1,000,000*	5,000*	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
sec-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.4	< 7.4	< 5.3	< 9.9	NA	NA	NA	NA	NA	NA	< 5.6	< 6.5
SVOC, ug/Kg																
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	4,100	NA
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	< 260	NA
Acenaphthylene	1,000,000	2,500,000	84,000	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	980	NA
Anthracene	1,000,000	2,500,000	400,000	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	570	NA
Benz(a)anthracene	1,000	7,800	1,000	NR	NA	NA	NA	NA	NA	NA	NA	900	NA	NA	550	NA
Benzo(a)pyrene	1,000	1,000	1,000	NR	NA	NA	NA	NA	NA	NA	NA	4,000	NA	NA	1,200	NA
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	NA	NA	NA	NA	NA	NA	NA	4,300	NA	NA	1,400	NA
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	3,200	NA	NA	2500	NA
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	NA	NA	NA	NA	NA	NA	NA	1,100	NA	NA	450	NA
Bis(2-ethylhexyl)phthalate	44,000	410,000	11,000	NR	NA	NA	NA	NA	NA	NA	NA	590	NA	NA	< 380	NA

Table 1. Test Pit Soil Analytical Results
Former SHW
35 North Main Street, Ansonia, CT

Sample Location					TP-4		TP-5		TP-6		TP-6A	TP-7	TP-7A		TP-8A	
Sample Depth (feet)					1' - 2'	3' - 5'	1' - 2'	5' - 6'	1' - 2'	6' - 8'	6'	4' - 6'	2.5'		7' - 9'	
Sample ID					TP-4 1'-2'	TP-4 3'-5'	TP-5 1'-2'	TP-5 5'-6'	TP-6 1'-2'	TP-6 6'-8'	TP-6A 6'	TP-7 4'-6'	TP-7A 2.5'	TP-7A2 2.5'	TP-8A 7'-9'	TP-8D 7'-9'
Collection Date					4/15/2024	4/15/2024	4/15/2024	4/15/2024	4/15/2024	4/15/2024	7/22/2024	4/15/2024	7/23/2024	7/23/2024	4/15/2024	4/15/2024
Laboratory ID					CQ51821	CQ51820	CQ51824	CQ51825	CQ51830	CQ51829	CR24132	CQ51828	CR25272	CR25273	CQ51831	CQ51833
	DEC RES	DEC I/C	GB PMC	GWPC X 10												
Carbazole	31,000*	290,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	< 380	NA	NA	< 380	NA
Chrysene	84,000*	780,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	1100	NA	NA	520	NA
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	710	NA	NA	410	NA
Dibenzofuran	68,000*	1,000,000*	1,400*	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	390	NA
Fluoranthene	1,000,000	2,500,000	56,000	NR	NA	NA	NA	NA	NA	NA	NA	1,700	NA	NA	690	NA
Fluorene	1,000,000	2,500,000	56,000	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	< 260	NA
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	3,600	NA	NA	2,600	NA
Naphthalene	1,000,000	2,500,000	56,000	NR	NA	NA	NA	NA	NA	NA	NA	< 260	NA	NA	1,400	NA
Phenanthrene	1,000,000	2,500,000	40,000	NR	NA	NA	NA	NA	NA	NA	NA	710	NA	NA	790	NA
Pyrene	1,000,000	2500000	40,000	NR	NA	NA	NA	NA	NA	NA	NA	1,500	NA	NA	700	NA
PAHs, ug/Kg																
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	< 270	< 240	< 260	< 270	690	< 290	NA	NA	< 260	< 260	NA	770
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	< 270	< 240	< 260	< 270	< 260	< 290	NA	NA	< 260	< 260	NA	< 260
Acenaphthylene	1,000,000	2,500,000	84,000	NR	< 270	< 240	< 260	< 270	< 260	< 290	NA	NA	< 260	< 260	NA	270
Anthracene	1,000,000	2,500,000	400,000	NR	< 270	< 240	< 260	< 270	< 260	< 290	NA	NA	< 260	< 260	NA	< 260
Benz(a)anthracene	1,000	7,800	1,000	NR	< 270	< 240	< 260	< 270	960	< 290	NA	NA	< 260	< 260	NA	< 260
Benzo(a)pyrene	1,000	1,000	1,000	NR	< 270	< 240	270	< 270	1,300	< 290	NA	NA	< 260	< 260	NA	< 260
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	< 270	< 240	470	< 270	3,000	350	NA	NA	< 260	< 260	NA	330
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	< 270	< 240	380	< 270	1,200	< 290	NA	NA	< 260	< 260	NA	550
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	< 270	< 240	< 260	< 270	770	< 290	NA	NA	< 260	< 260	NA	< 260
Chrysene	84,000*	780,000*	1,000*	NR	< 270	< 240	290	< 270	1,900	< 290	NA	NA	< 260	< 260	NA	< 260
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	< 270	< 240	< 260	< 270	390	< 290	NA	NA	< 260	< 260	NA	< 260
Fluoranthene	1,000,000	2,500,000	56,000	NR	< 270	< 240	< 260	< 270	1,000	310	NA	NA	< 260	< 260	NA	< 260
Fluorene	1,000,000	2,500,000	56,000	NR	< 270	< 240	< 260	< 270	< 260	< 290	NA	NA	< 260	< 260	NA	< 260
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	< 270	< 240	350	< 270	1,200	< 290	NA	NA	< 260	< 260	NA	470
Naphthalene	1,000,000	2,500,000	56,000	NR	< 270	< 240	< 260	< 270	570	< 290	NA	NA	< 260	< 260	NA	390
Phenanthrene	1,000,000	2,500,000	40,000	NR	< 270	< 240	270	< 270	900	< 290	NA	NA	< 260	< 260	NA	< 260
Pyrene	1,000,000	2,500,000	40,000	NR	< 270	< 240	< 260	< 270	810	< 290	NA	NA	< 260	< 260	NA	< 260
SPLP PAH, ug/L																
Benz(a)anthracene	NE	NE	NE	0.6	NA	NA	NA	NA	0.06	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NE	NE	NE	2	NA	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NE	NE	NE	0.8	NA	NA	NA	NA	0.17	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NE	NE	NE	5	NA	NA	NA	NA	< 0.29	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	48	NA	NA	NA	NA	< 0.49	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NE	NE	NE	1	NA	NA	NA	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NE	NE	NE	1	NA	NA	NA	NA	0.12	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NE	NE	NE	2,000	NA	NA	NA	NA	0.11	NA	NA	NA	NA	NA	NA	NA
Pyrene	NE	NE	NE	2,000	NA	NA	NA	NA	< 0.49	NA	NA	NA	NA	NA	NA	NA
Oxygenates & Dioxane, ug/Kg	None detected in soil samples															

Notes:

Table shows detected analytes only. For full results, please see lab reports

Bold = Detected above reporting limit

Orange highlighted cells exceed I/C DEC (RSR or APS)

Yellow highlighted cells exceed RDEC but not I/C DEC (RSR or APS)

Purple highlighted cells exceed GB PMC, but do not exceed either DEC.

RSR = Remediation Standard Regulations; RCSA 22a-133k-1 through 22a-133k-3

DEC = RSR Direct Exposure Criteria

RDEC = Residential DEC

I/C DEC = Industrial/Commercial DEC

APS = Additional Polluting Substances

* Value from Technical Support Document: Recommended Numeric Criteria for Common

Additional Polluting Substances and Certain Alternative Criteria (CT DEEP, 2018)

mg/kg = miligram per kilogram

ug/kg = microgram per kilogram

NE = Criteria Not Established

NA = Not analyzed for this parameter

NR = Not Referenced for this matrix/analysis

Table 1. Test Pit Soil Analytical Results
Former SHW
35 North Main Street, Ansonia, CT

Sample Location					TP-8B	TP-8C		TP-8D	TP-8E	TP-9A	TP-9B	TP-9C	TP-10A	TP-10B
Sample Depth (feet)					7' - 9'	7'		7'	9'	3.5' - 4'	3.5'	3.5'	5'	4'
Sample ID					TP-8B 7'-9'	TP-8C 7'	TP-8C2 7'	TP-8D 7'	TP-8E 9'	TP-9A 3.5'-4'	TP-9B 3.5'	TP-9C 3.5'	TP-10A 5'	TP-10B 4'
Collection Date					4/15/2024	7/22/2024	7/22/2024	7/22/2024	7/22/2024	7/23/2024	7/23/2024	7/23/2024	7/23/2024	7/23/2024
Laboratory ID					CQ51832	CR24128	CR24129	CR24130	CR24131	CR25274	CR25275	CR25276	CR25278	CR25271
	DEC RES	DEC I/C	GB PMC	GWPC X 10										
Total Metals, mg/Kg														
Antimony	27	8,200	NE	NR	< 3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	10	10	NE	NR	9.34	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	4,700	140,000	NE	NR	42.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	2	2	NE	NR	0.37	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	34	1,000	NE	NR	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NE	NE	NE	NR	7.06	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	2,500	76,000	NE	NR	16.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	1,000	NE	NR	5.81	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	20	610	NE	NR	< 0.03	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1,400	7,500	NE	NR	9.39	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	340	10,000	NE	NR	< 0.32	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	470	14,000	NE	NR	21.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	20,000	610,000	NE	NR	68.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals, mg/L														
SPLP Arsenic	NE	NE	0.5	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Barium	NE	NE	10	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Chromium	NE	NE	0.5	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Copper	NE	NE	13	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Lead	NE	NE	0.15	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Mercury	NE	NE	0.02	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Zinc	NE	NE	50	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ETPH, mg/Kg														
Ext. Petroleum H.C. (C9-C36)	500	2,500	2,500	NR	70	3,200	2,900	< 54	79	NA	NA	NA	< 51	< 53
SPLP ETPH, mg/L														
Ext. Petroleum H.C.	NE	NE	NE	5000	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA
PCBs, ug/Kg														
PCB-1260	1,000	10,000	NE	NR	< 350	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs, ug/Kg														
1,2,4-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 7.3	760	1,300	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
1,3,5-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 7.3	360	650	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
2-Isopropyltoluene	NE	NE	NE	NR	< 7.3	140	< 610	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
Naphthalene	1,000,000	2,500,000	56,000	NR	< 7.3	680	1,000	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
n-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.3	460	640	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
n-Propylbenzene	500,000*	1,000,000*	10,000*	NR	< 7.3	190	310	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
p-Isopropyltoluene	500,000*	1,000,000*	5,000*	NR	< 7.3	310	550	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
sec-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.3	540	790	< 3.5	< 5.6	NA	NA	NA	< 5.6	NA
SVOC, ug/Kg														
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	1,000,000	2,500,000	84,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	1,000,000	2,500,000	400,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	1,000	7,800	1,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1,000	1,000	1,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	44,000	410,000	11,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1. Test Pit Soil Analytical Results
Former SHW
35 North Main Street, Ansonia, CT

Sample Location					TP-8B	TP-8C		TP-8D	TP-8E	TP-9A	TP-9B	TP-9C	TP-10A	TP-10B
Sample Depth (feet)					7' - 9'	7'		7'	9'	3.5' - 4'	3.5'	3.5'	5'	4'
Sample ID					TP-8B 7`-9`	TP-8C 7`	TP-8C2 7`	TP-8D 7`	TP-8E 9`	TP-9A 3.5`-4`	TP-9B 3.5`	TP-9C 3.5`	TP-10A 5`	TP-10B 4`
Collection Date					4/15/2024	7/22/2024	7/22/2024	7/22/2024	7/22/2024	7/23/2024	7/23/2024	7/23/2024	7/23/2024	7/23/2024
Laboratory ID					CQ51832	CR24128	CR24129	CR24130	CR24131	CR25274	CR25275	CR25276	CR25278	CR25271
	DEC RES	DEC I/C	GB PMC	GWPC X 10										
Carbazole	31,000*	290,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	84,000*	780,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	68,000*	1,000,000*	1,400*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000,000	2,500,000	56,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	1,000,000	2,500,000	56,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	56,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	1,000,000	2,500,000	40,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1,000,000	2500000	40,000	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs, ug/Kg														
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	< 240	1,200	1,500	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	< 240	410	450	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Acenaphthylene	1,000,000	2,500,000	84,000	NR	< 240	< 260	< 260	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Anthracene	1,000,000	2,500,000	400,000	NR	< 240	290	< 260	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Benz(a)anthracene	1,000	7,800	1,000	NR	< 240	1,300	1,300	< 250	590	< 240	< 250	< 240	< 240	< 260
Benzo(a)pyrene	1,000	1,000	1,000	NR	< 240	1,400	1,500	< 250	670	< 240	< 250	< 240	< 240	< 260
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	< 240	2,400	2,900	< 250	840	< 240	< 250	< 240	< 240	< 260
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	< 240	1,300	1,400	< 250	460	< 240	< 250	< 240	< 240	< 260
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	< 240	710	640	< 250	300	< 240	< 250	< 240	< 240	< 260
Chrysene	84,000*	780,000*	1,000*	NR	< 240	1,500	1,500	< 250	520	< 240	< 250	< 240	< 240	< 260
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	< 240	320	380	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Fluoranthene	1,000,000	2,500,000	56,000	NR	< 240	1,500	1,300	< 250	1,200	< 240	< 250	< 240	< 240	< 260
Fluorene	1,000,000	2,500,000	56,000	NR	< 240	800	880	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	< 240	1,200	1,400	< 250	470	< 240	< 250	< 240	< 240	< 260
Naphthalene	1,000,000	2,500,000	56,000	NR	< 240	510	630	< 250	< 260	< 240	< 250	< 240	< 240	< 260
Phenanthrene	1,000,000	2,500,000	40,000	NR	< 240	1,900	1,900	< 250	430	< 240	< 250	< 240	< 240	< 260
Pyrene	1,000,000	2,500,000	40,000	NR	< 240	1,500	1,400	< 250	1,000	< 240	< 250	< 240	< 240	< 260
SPLP PAH, ug/L														
Benz(a)anthracene	NE	NE	NE	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NE	NE	NE	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NE	NE	NE	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NE	NE	NE	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NE	NE	NE	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NE	NE	NE	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NE	NE	NE	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NE	NE	NE	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygenates & Dioxane, ug/Kg	None detected in soil samples													

Notes:

Table shows detected analytes only. For full results, please see lab reports

Bold = Detected above reporting limit

Orange highlighted cells exceed I/C DEC (RSR or APS)

Yellow highlighted cells exceed RDEC but not I/C DEC (RSR or APS)

Purple highlighted cells exceed GB PMC, but do not exceed either DEC.

RSR = Remediation Standard Regulations; RCSA 22a-133k-1 through 22a-133k-3

DEC = RSR Direct Exposure Criteria

RDEC = Residential DEC

I/C DEC = Industrial/Commercial DEC

APS = Additional Polluting Substances

* Value from Technical Support Document: Recommended Numeric Criteria for Common

Additional Polluting Substances and Certain Alternative Criteria (CT DEEP, 2018)

mg/kg = miligram per kilogram

ug/kg = microgram per kilogram

NE = Criteria Not Established

NA = Not analyzed for this parameter

NR = Not Referenced for this matrix/analysis

Table 2. Phase II Soil Boring Analytical Results
Former SHW
35 North Main Street
Ansonia, Connecticut

Sample Location					MW-01			MW-02		MW-05				MW-06	
Sample Depth, feet					2' - 2.5'	21' - 22'	28' - 29'	5' - 6.5'	20' - 22'	3.0' - 3.5'	14' - 15'	24' - 25'		3.0' - 3.5'	16' - 16.5'
Sample ID					MW-01 2'-2.5'	MW-01 21-22	MW-01 28-29	MW-02 5-6.5	MW-02 20-22	MW-05 3.0'-3.5'	MW-05 14-15	MW-05 24-25	MW-05D 24-25	MW-06 3.0'-3.5'	MW-06 16-16.5
Collection Date					4/30/2024	5/3/2024	5/3/2024	5/6/2024	5/7/2024	4/30/2024	5/3/2024	5/3/2024	5/3/2024	4/30/2024	5/2/2024
Laboratory ID	DEC RES	DEC I/C	GB PMC	GWPC x 10	CQ63724	CQ66755	CQ66756	CQ68968	CQ68969	CQ63727	CQ66752	CQ66753	CQ66754	CQ63728	CQ66750
Total Metals (mg/kg)															
Antimony	27	8,200	NE	NR	< 3.8	7.4	< 3.6	5.9	< 3.5	< 3.2	< 3.7	< 3.6	< 3.9	< 3.6	< 3.7
Arsenic	10	10	NE	NR	7.27	13.5	4.56	5.57	17.2	5.09	14.5	13.6	13.9	13.9	8.31
Barium	4,700	140,000	NE	NR	66.1	34.3	19.4	92.2	95.3	55.8	121	35	51.9	49.5	41.7
Beryllium	2	2	NE	NR	0.37	< 0.28	< 0.29	0.41	0.5	0.41	0.62	0.29	0.42	< 0.28	0.3
Cadmium	34	1,000	NE	NR	0.5	3.02	< 0.36	0.76	0.5	0.65	0.39	< 0.36	< 0.39	1.01	< 0.37
Chromium	NE	NE	NE	NR	19.7	52	6.52	17.8	8.28	17.7	9.63	6.25	6.16	10.2	5.81
Copper	2,500	76,000	NE	NR	105	283	8.7	216	7.7	218	12.2	18.7	10.1	20.9	6.5
Lead	400	1,000	NE	NR	53.5	34.6	3.34	200	8.5	48.4	6.6	4.12	4.54	6.85	3.47
Mercury	20	610	NE	NR	0.07	0.03	< 0.03	0.15	< 0.03	0.1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Nickel	1,400	7,500	NE	NR	19.8	45.1	9.25	24.7	7.01	15.8	6.91	5.87	5.51	8.68	5.23
Selenium	340	10,000	NE	NR	< 1.5	< 1.4	< 1.4	< 1.6	< 1.4	< 1.3	< 1.5	< 1.5	< 1.6	< 1.4	< 1.5
Vanadium	470	14,000	NE	NR	32.6	56.2	16.1	61	65.1	40	52	22	28.8	20	23.2
Zinc	20,000	610,000	NE	NR	56.6	228	55.1	128	82.9	124	62.3	29	37.6	145	35.9
Metals, SPLP (mg/L)															
SPLP Arsenic	NE	NE	0.5	NR	NA	NA	NA	NA	0.008	NA	0.014	NA	NA	NA	NA
SPLP Barium	NE	NE	10	NR	NA	NA	NA	NA	0.023	NA	0.026	NA	NA	NA	NA
SPLP Chromium	NE	NE	0.5	NR	NA	NA	NA	NA	< 0.010	NA	< 0.010	NA	NA	NA	NA
SPLP Copper	NE	NE	13	NR	NA	NA	NA	NA	< 0.010	NA	< 0.010	NA	NA	NA	NA
SPLP Lead	NE	NE	0.15	NR	NA	NA	NA	NA	< 0.010	NA	< 0.010	NA	NA	NA	NA
SPLP Vanadium	NE	NE	0.5	NR	NA	NA	NA	NA	< 0.010	NA	0.011	NA	NA	NA	NA
SPLP Zinc	NE	NE	50	NR	NA	NA	NA	NA	0.011	NA	< 0.010	NA	NA	NA	NA
ETPH (mg/kg)															
Ext. Petroleum H.C. (C9-C36)	500	2,500	2,500	NR	< 54	< 55	< 52	2,600	3,300	< 260	< 54	< 56	< 57	< 52	< 56
PCBs (ug/kg)					No PCBs detected in soil boring samples										
VOCs (ug/kg)															
1,2,4-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	< 330	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
1,3,5-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	< 330	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
2-Isopropyltoluene	NE	NE	NE	NR	< 7.3	< 9.0	< 6.4	< 7.1	450	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
Isopropylbenzene	500,000*	1,000,000*	5,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	680	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
Naphthalene	1,000,000	2,500,000	56,000	NR	< 7.3	< 9.0	< 6.4	< 7.1	3,200	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
n-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	2,200	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
n-Propylbenzene	500,000*	1,000,000*	10,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	1,300	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
p-Isopropyltoluene	500,000*	1,000,000*	5,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	< 330	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
sec-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	2,500	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
tert-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 7.3	< 9.0	< 6.4	< 7.1	< 330	< 8.6	< 7.3	< 6.8	< 8.3	< 7.7	< 6.1
PAHs (ug/kg)															
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	< 250	< 260	< 240	< 270	530	< 240	< 260	< 260	< 260	< 240	< 260
Acenaphthylene	1,000,000	2,500,000	84,000	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Anthracene	1,000,000	2,500,000	400,000	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Benz(a)anthracene	1,000	7,800	1,000	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Benzo(a)pyrene	1,000	1,000	1,000	NR	< 250	< 260	< 240	< 270	< 260	250	< 260	< 260	< 260	< 240	< 260
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	< 250	< 260	< 240	< 270	< 260	330	< 260	< 260	< 260	< 240	< 260
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Chrysene	84,000*	780,000*	1,000*	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Fluoranthene	1,000,000	2,500,000	56,000	NR	< 250	< 260	< 240	280	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Fluorene	1,000,000	2,500,000	56,000	NR	< 250	< 260	< 240	< 270	1,100	< 240	< 260	< 260	< 260	< 240	< 260
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	< 250	< 260	< 240	< 270	< 260	< 240	< 260	< 260	< 260	< 240	< 260
Naphthalene	1,000,000	2,500,000	56,000	NR	< 250	< 260	< 240	< 270	450	< 240	< 260	< 260	< 260	< 240	< 260
Phenanthrene	1,000,000	2,500,000	40,000	NR	< 250	< 260	< 240	< 270	2,800	< 240	< 260	< 260	< 260	< 240	< 260
Pyrene	1,000,000	2,500,000	40,000	NR	< 250	< 260	< 240	< 270	390	< 240	< 260	< 260	< 260	< 240	< 260

Table 2. Phase II Soil Boring Analytical Results
Former SHW
35 North Main Street
Ansonia, Connecticut

Sample Location					MW-01			MW-02		MW-05				MW-06	
Sample Depth, feet					2' - 2.5'	21' - 22'	28' - 29'	5' - 6.5'	20' - 22'	3.0' - 3.5'	14' - 15'	24' - 25'		3.0' - 3.5'	16' - 16.5'
Sample ID					MW-01 2'-2.5'	MW-01 21-22	MW-01 28-29	MW-02 5-6.5	MW-02 20-22	MW-05 3.0'-3.5'	MW-05 14-15	MW-05 24-25	MW-05D 24-25	MW-06 3.0'-3.5'	MW-06 16-16.5
Collection Date					4/30/2024	5/3/2024	5/3/2024	5/6/2024	5/7/2024	4/30/2024	5/3/2024	5/3/2024	5/3/2024	4/30/2024	5/2/2024
Laboratory ID	DEC RES	DEC I/C	GB PMC	GWPC x 10	CQ63724	CQ66755	CQ66756	CQ68968	CQ68969	CQ63727	CQ66752	CQ66753	CQ66754	CQ63728	CQ66750
SPLP PAHs (ug/L)															
2-Methylnaphthalene	NE	NE	NE	50*	NA	NA	NA	NA	0.58	NA	NA	NA	NA	NA	NA
Acenaphthene	NE	NE	NE	4,200*	NA	NA	NA	NA	2.4	NA	NA	NA	NA	NA	NA
Acenaphthylene	NE	NE	NE	4,200	NA	NA	NA	NA	0.46	NA	NA	NA	NA	NA	NA
Anthracene	NE	NE	NE	20,000	NA	NA	NA	NA	< 0.49	NA	NA	NA	NA	NA	NA
Benz(a)anthracene	NE	NE	NE	0.60	NA	NA	NA	NA	< 0.05	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NE	NE	NE	2.00	NA	NA	NA	NA	< 0.19	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NE	NE	NE	0.80	NA	NA	NA	NA	< 0.07	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NE	NE	NE	5.0	NA	NA	NA	NA	< 0.29	NA	NA	NA	NA	NA	NA
Chrysene	NE	NE	NE	48.0	NA	NA	NA	NA	< 0.49	NA	NA	NA	NA	NA	NA
Fluoranthene	NE	NE	NE	2,800	NA	NA	NA	NA	< 0.49	NA	NA	NA	NA	NA	NA
Fluorene	NE	NE	NE	2,800	NA	NA	NA	NA	3.8	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NE	NE	NE	1.00	NA	NA	NA	NA	< 0.10	NA	NA	NA	NA	NA	NA
Naphthalene	NE	NE	NE	2,800	NA	NA	NA	NA	11	NA	NA	NA	NA	NA	NA
Phenanthrene	NE	NE	NE	2,000	NA	NA	NA	NA	4	NA	NA	NA	NA	NA	NA
Pyrene	NE	NE	NE	2,000	NA	NA	NA	NA	< 0.49	NA	NA	NA	NA	NA	NA
Oxygenates & Dioxane (ug/kg)	None detected in soil boring samples														

Notes:
Only detected analytes are shown. For complete results, please see the lab reports.
Bold = Detected above reporting limit
Orange highlighted cells exceed I/C DEC (RSR or APS)
Yellow highlighted cells exceed RDEC but not I/C DEC (RSR or APS)
Purple highlighted cells exceed GB PMC, but do not exceed either DEC.
RSR = Remediation Standard Regulations; RCSA 22a-133k-1 through 22a-133k-3
DEC = RSR Direct Exposure Criteria
RDEC = Residential DEC
I/C DEC = Industrial/Commercial DEC
APS = Additional Polluting Substances

* Value from Technical Support Document: Recommended Numeric Criteria for Common
Additional Polluting Substances and Certain Alternative Criteria (CT DEEP, 2018)
mg/kg = miligram per kilogram
ug/kg = microgram per kilogram
NE = Criteria Not Established
NA = Not analyzed for this parameter
NR = Not Referenced for this matrix/analysis

Table 2. Phase II Soil Boring Analytical Results
Former SHW
35 North Main Street
Ansonia, Connecticut

Sample Location					MW-06	MW-07	SB-03	SB-05					SB-09	
Sample Depth, feet					26' - 26.5'	20' - 22'	3' - 3.5'	3.0' - 3.5'	5' - 6.5'		7' - 9'	20' - 25'	2.5' - 3.0'	10' - 11'
Sample ID					MW-06 26-26.5	MW-07 20-22	SB-03 3'-3.5'	SB-05 3.0'-3.5'	SB-05 5-6.5	SB-05D 5-6.5	SB-05 7-9	SB-05 20-25	SB-09 2.5'-3.0'	SB-09 10-11
Collection Date					5/3/2024	5/2/2024	4/30/2024	4/30/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	4/30/2024	5/7/2024
Laboratory ID	DEC RES	DEC I/C	GB PMC	GWPC x 10	CQ66751	CQ66749	CQ63725	CQ63729	CQ68971	CQ68972	CQ68973	CQ68974	CQ63726	CQ68970
Total Metals (mg/kg)														
Antimony	27	8,200	NE	NR	< 3.4	< 3.6	< 3.2	6.6	< 3.8	< 4.3	< 3.3	< 4.4	< 3.8	< 3.5
Arsenic	10	10	NE	NR	25.2	4.69	29.4	11.2	31.8	17	14.3	15.1	11.4	6.44
Barium	4,700	140,000	NE	NR	25	31.4	36	87.4	87	124	45.9	70	68.1	40.9
Beryllium	2	2	NE	NR	0.27	0.3	0.42	0.3	0.54	0.92	0.46	0.43	0.45	0.39
Cadmium	34	1,000	NE	NR	< 0.34	0.36	0.89	2.52	0.72	< 0.43	< 0.33	< 0.44	2.51	< 0.35
Chromium	NE	NE	NE	NR	5.5	24.4	40.1	116	18.4	19.2	8.48	10	96.6	11.3
Copper	2,500	76,000	NE	NR	9.4	128	208	1,030	112	21.3	11.1	12.1	567	44.2
Lead	400	1,000	NE	NR	5.97	35.1	51.3	340	40.6	11.6	7.97	5.57	126	17.5
Mercury	20	610	NE	NR	< 0.03	0.04	0.19	0.5	0.06	< 0.04	< 0.05	< 0.03	0.58	0.1
Nickel	1,400	7,500	NE	NR	6.06	14.8	14.9	39.8	16.4	13.9	9.27	7.76	45.7	8.39
Selenium	340	10,000	NE	NR	< 1.3	< 1.5	< 1.3	< 1.3	1.9	2	< 1.3	< 1.8	< 1.5	< 1.4
Vanadium	470	14,000	NE	NR	16.4	169	21.9	25	41	62	25.7	36.7	26.5	23.5
Zinc	20,000	610,000	NE	NR	42.3	118	176	567	129	101	47.7	51.3	618	79.6
Metals, SPLP (mg/L)														
SPLP Arsenic	NE	NE	0.5	NR	0.016	NA	0.004	< 0.004	0.012	NA	NA	NA	NA	NA
SPLP Barium	NE	NE	10	NR	0.024	NA	< 0.010	0.011	< 0.010	NA	NA	NA	NA	NA
SPLP Chromium	NE	NE	0.5	NR	< 0.010	NA	< 0.010	0.026	< 0.010	NA	NA	NA	NA	NA
SPLP Copper	NE	NE	13	NR	< 0.010	NA	0.037	0.127	0.018	NA	NA	NA	NA	NA
SPLP Lead	NE	NE	0.15	NR	< 0.010	NA	0.011	0.047	< 0.010	NA	NA	NA	NA	NA
SPLP Vanadium	NE	NE	0.5	NR	< 0.010	NA	< 0.010	< 0.010	0.015	NA	NA	NA	NA	NA
SPLP Zinc	NE	NE	50	NR	0.026	NA	0.025	0.046	0.014	NA	NA	NA	NA	NA
ETPH (mg/kg)														
Ext. Petroleum H.C. (C9-C36)	500	2,500	2,500	NR	< 51	590	64	700	3,200	1,200	< 50	< 65	< 200	85
PCBs (ug/kg)														
No PCBs detected in soil boring samples														
VOCs (ug/kg)														
1,2,4-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 4.7	NA	< 5.4	< 6.0	9,000	620	< 6.1	< 6.3	< 10	< 7.3
1,3,5-Trimethylbenzene	500,000*	1,000,000*	28,000*	NR	< 4.7	NA	< 5.4	< 6.0	2,300	< 570	< 6.1	< 6.3	< 10	< 7.3
2-Isopropyltoluene	NE	NE	NE	NR	< 4.7	NA	< 5.4	< 6.0	1,000	< 570	< 6.1	< 6.3	< 10	< 7.3
Isopropylbenzene	500,000*	1,000,000*	5,000*	NR	< 4.7	NA	< 5.4	< 6.0	500	< 570	< 6.1	< 6.3	< 10	< 7.3
Naphthalene	1,000,000	2,500,000	56,000	NR	< 4.7	NA	< 5.4	< 6.0	970	< 570	< 6.1	< 6.3	< 10	< 7.3
n-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 4.7	NA	< 5.4	< 6.0	1,200	< 570	< 6.1	< 6.3	< 10	< 7.3
n-Propylbenzene	500,000*	1,000,000*	10,000*	NR	< 4.7	NA	< 5.4	< 6.0	1,300	< 570	< 6.1	< 6.3	< 10	< 7.3
p-Isopropyltoluene	500,000*	1,000,000*	5,000*	NR	< 4.7	NA	< 5.4	< 6.0	3,400	370	< 6.1	< 6.3	< 10	< 7.3
sec-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 4.7	NA	< 5.4	< 6.0	3,500	400	< 6.1	< 6.3	< 10	< 7.3
tert-Butylbenzene	500,000*	1,000,000*	70,000*	NR	< 4.7	NA	< 5.4	< 6.0	230	< 570	< 6.1	< 6.3	< 10	< 7.3
PAHs (ug/kg)														
2-Methylnaphthalene	270,000*	1,000,000*	5,600*	NR	< 240	35,000	< 250	310	< 270	< 320	< 230	< 300	< 260	< 250
Acenaphthene	1,000,000*	2,500,000*	84,000*	NR	< 240	73,000	< 250	< 260	350	< 320	< 230	< 300	< 260	< 250
Acenaphthylene	1,000,000	2,500,000	84,000	NR	< 240	< 2600	290	2,100	< 270	< 320	< 230	< 300	800	< 250
Anthracene	1,000,000	2,500,000	400,000	NR	< 240	120,000	< 250	960	< 270	< 320	< 230	< 300	710	< 250
Benz(a)anthracene	1,000	7,800	1,000	NR	< 240	170,000	< 250	2,100	< 270	< 320	< 230	< 300	2,500	< 250
Benzo(a)pyrene	1,000	1,000	1,000	NR	< 240	140,000	300	3,100	370	< 320	< 230	< 300	2,700	300
Benzo(b)fluoranthene	1,000	7,800	1,000	NR	< 240	160,000	530	4,100	600	< 320	< 230	< 300	3,400	340
Benzo(ghi)perylene	8,400*	78,000*	1,000*	NR	< 240	73,000	340	2,900	450	< 320	< 230	< 300	1,600	< 250
Benzo(k)fluoranthene	8,400	78,000	1,000	NR	< 240	50,000	< 250	1,300	< 270	< 320	< 230	< 300	1,200	< 250
Chrysene	84,000*	780,000*	1,000*	NR	< 240	140,000	310	2,000	320	< 320	< 230	< 300	2,400	< 250
Dibenz(a,h)anthracene	1,000*	1,000*	1,000*	NR	< 240	20,000	< 250	520	< 270	< 320	< 230	< 300	340	< 250
Fluoranthene	1,000,000	2,500,000	56,000	NR	< 240	360,000	260	3,800	450	< 320	< 230	< 300	4,600	320
Fluorene	1,000,000	2,500,000	56,000	NR	< 240	57,000	< 250	< 260	1,100	< 320	< 230	< 300	< 260	< 250
Indeno(1,2,3-cd)pyrene	1,000*	7,800*	1,000*	NR	< 240	67,000	330	2,800	440	< 320	< 230	< 300	1,800	< 250
Naphthalene	1,000,000	2,500,000	56,000	NR	< 240	58,000	< 250	340	< 270	< 320	< 230	< 300	< 260	< 250
Phenanthrene	1,000,000	2,500,000	40,000	NR	< 240	510,000	< 250	1,600	2,200	430	< 230	< 300	2,800	< 250
Pyrene	1,000,000	2,500,000	40,000	NR	< 240	300,000	250	3,300	590	< 320	< 230	< 300	3,800	290

Table 2. Phase II Soil Boring Analytical Results
Former SHW
35 North Main Street
Ansonia, Connecticut

Sample Location					MW-06	MW-07	SB-03	SB-05					SB-09	
Sample Depth, feet					26' - 26.5'	20' - 22'	3' - 3.5'	3.0' - 3.5'	5' - 6.5'		7' - 9'	20' - 25'	2.5' - 3.0'	10' - 11'
Sample ID					MW-06 26-26.5	MW-07 20-22	SB-03 3'-3.5'	SB-05 3.0'-3.5'	SB-05 5-6.5	SB-05D 5-6.5	SB-05 7-9	SB-05 20-25	SB-09 2.5'-3.0'	SB-09 10-11
Collection Date					5/3/2024	5/2/2024	4/30/2024	4/30/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	4/30/2024	5/7/2024
Laboratory ID	DEC RES	DEC I/C	GB PMC	GWPC x 10	CQ66751	CQ66749	CQ63725	CQ63729	CQ68971	CQ68972	CQ68973	CQ68974	CQ63726	CQ68970
SPLP PAHs (ug/L)														
2-Methylnaphthalene	NE	NE	NE	50*	NA	0.88	NA	< 0.48	< 0.47	NA	NA	NA	< 0.77	NA
Acenaphthene	NE	NE	NE	4,200*	NA	2.5	NA	< 0.48	< 0.47	NA	NA	NA	< 0.77	NA
Acenaphthylene	NE	NE	NE	4,200	NA	< 0.28	NA	< 0.29	< 0.28	NA	NA	NA	< 0.46	NA
Anthracene	NE	NE	NE	20,000	NA	0.72	NA	< 0.48	< 0.47	NA	NA	NA	< 0.77	NA
Benz(a)anthracene	NE	NE	NE	0.60	NA	0.13	NA	0.06	< 0.05	NA	NA	NA	0.75	NA
Benzo(a)pyrene	NE	NE	NE	2.00	NA	< 0.19	NA	< 0.19	< 0.19	NA	NA	NA	0.82	NA
Benzo(b)fluoranthene	NE	NE	NE	0.80	NA	< 0.07	NA	< 0.07	< 0.07	NA	NA	NA	0.71	NA
Benzo(k)fluoranthene	NE	NE	NE	5.0	NA	< 0.28	NA	< 0.29	< 0.28	NA	NA	NA	0.88	NA
Chrysene	NE	NE	NE	48.0	NA	< 0.47	NA	< 0.48	< 0.47	NA	NA	NA	0.79	NA
Fluoranthene	NE	NE	NE	2,800	NA	0.81	NA	< 0.48	< 0.47	NA	NA	NA	1.6	NA
Fluorene	NE	NE	NE	2,800	NA	1.2	NA	< 0.48	< 0.47	NA	NA	NA	< 0.77	NA
Indeno(1,2,3-cd)pyrene	NE	NE	NE	1.00	NA	< 0.09	NA	< 0.10	< 0.09	NA	NA	NA	0.78	NA
Naphthalene	NE	NE	NE	2,800	NA	4.6	NA	< 0.48	< 0.47	NA	NA	NA	< 0.77	NA
Phenanthrene	NE	NE	NE	2,000	NA	2.9	NA	0.29	0.07	NA	NA	NA	0.74	NA
Pyrene	NE	NE	NE	2,000	NA	0.61	NA	< 0.48	< 0.47	NA	NA	NA	1.3	NA
Oxygenates & Dioxane (ug/kg)	None detected in soil boring samples													

Notes:
Only detected analytes are shown. For complete results, please see the lab reports.
Bold = Detected above reporting limit
Orange highlighted cells exceed I/C DEC (RSR or APS)
Yellow highlighted cells exceed RDEC but not I/C DEC (RSR or APS)
Purple highlighted cells exceed GB PMC, but do not exceed either DEC.
RSR = Remediation Standard Regulations; RCSA 22a-133k-1 through 22a-133k-3
DEC = RSR Direct Exposure Criteria
RDEC = Residential DEC
I/C DEC = Industrial/Commercial DEC
APS = Additional Polluting Substances

* Value from Technical Support Document: Recommended Numeric Criteria for Common
Additional Polluting Substances and Certain Alternative Criteria (CT DEEP, 2018)
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
NE = Criteria Not Established
NA = Not analyzed for this parameter
NR = Not Referenced for this matrix/analysis

Table 3. Groundwater Analytical Results
Former SHW
35 North Main Street, Ansonia, CT

Location ID			MW-07	MW-05		MW-01	MW-02	
Sample ID			MW-07-20240613	MW-05-20240613	MW-05-20240613-2	MW-01-20240613	MW-02-20240613	MW-02-20240613-2
Collection Date			6/13/2024	6/13/2024	6/13/2024	6/13/2024	6/13/2024	6/13/2024
Laboratory ID			CQ95904	CQ95905	CQ95906	CQ95907	CQ95908	CQ95909
	SWPC	SWPC APS						
Metals, Total (mg/L)								
Arsenic	0.004		0.01	< 0.004	< 0.004	< 0.004	0.023	NT
Barium		2.2	0.054	0.023	0.024	0.033	0.075	NT
Cadmium	0.006		< 0.001	< 0.001	< 0.001	0.001	0.002	NT
Chromium	0.110*		0.006	0.001	0.001	0.002	0.008	NT
Copper	0.048		0.045	< 0.005	< 0.005	< 0.005	0.009	NT
Lead	0.013		0.048	< 0.001	< 0.001	< 0.001	0.007	NT
Nickel	0.88		0.003	< 0.001	< 0.001	0.003	0.003	NT
Vanadium		0.27	0.01	< 0.002	< 0.002	< 0.002	0.014	NT
Zinc	0.123		0.025	< 0.004	< 0.004	0.007	0.026	NT
CTETPH (ug/L)								
Ext. Petroleum H.C. (C9-C36)	NE	250	< 67	<69	NT	380	5,900	4,300
VOCs (ug/L)								
1,1-Dichloroethane		4,100	NT	< 1.0	< 1.0	1.2	< 2.0	NT
2-Isopropyltoluene			NT	< 1.0	< 1.0	< 1.0	2.3	NT
Chloroform	14,100		NT	6.4	6.2	< 1.0	< 2.0	NT
Isopropylbenzene		210	NT	< 1.0	< 1.0	< 1.0	5.6	NT
Naphthalene		210	NT	< 1.0	< 1.0	< 1.0	79	NT
n-Butylbenzene		10,000	NT	< 1.0	< 1.0	< 1.0	4.9	NT
n-Propylbenzene		10,000	NT	< 1.0	< 1.0	< 1.0	6.6	NT
sec-Butylbenzene		10,000	NT	< 1.0	< 1.0	< 1.0	8.3	NT
SVOCs (ug/L)								
2-Methylnaphthalene		62	< 0.47	< 0.47	NT	< 0.47	77	94
Acenaphthene		150	< 0.47	< 0.47	NT	< 0.47	5.3	5.3
Acenaphthylene	0.3		< 0.28	< 0.28	NT	< 0.28	1.1	1.1
Anthracene	1,100,000		< 0.47	< 0.47	NT	< 0.47	0.6	0.81
Benz(a)anthracene	0.3		0.1	< 0.05	NT	< 0.05	< 0.05	< 0.05
Fluorene	140,000		< 0.47	< 0.47	NT	< 0.47	8.7	9.3
Naphthalene		210	< 0.47	< 0.47	NT	< 0.47	33	48
Phenanthrene	14	14	0.28	< 0.06	NT	< 0.06	9.6	12
Pyrene	110,000		< 0.47	< 0.47	NT	< 0.47	0.79	0.98
Oxygenates & Dioxane (ug/L)								

Notes:

Table shows only detected analytes. For full results, please see lab reports.

Bold = Detected above reporting limit

Green highlighted cells exceed SWPC (RSR or APS)

RSR = Remediation Standard Regulations; RCSA 22a-133k-1 through 22a-133k-3

APS = Additional Polluting Substances

SWPC = Surface Water Protection Criteria

* Value from Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria (CT DEEP, 2018)

*Criterion for hexavalent chromium (Cr+6)

mg/L = milligrams per liter

ug/L = micrograms per liter

NE = Criteria Not Established

NA = Not analyzed for this parameter

NR = Not Referenced for this matrix/analysis