

DEP SPS Fire Investigation: Detected Metals Results

Location	Location Description	Depth	Sample ID	Aluminum	Arsenic	Beryllium	Calcium	Total Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese
Act 2 Residential Direct Contact Medium	Specific Concentration (MSC)			190,000	12	440	NA	NA	66	7200	150,000	500	440	NA	31,000
Hallowell Park	Between Baseball Fields	0-1"	SPS-A-031825	21900	13.3	ND	2650	31.9	9.2	36.5	29100	61.5	12.1	3610	370
Hallowell Park	Between Baseball Fields	1-6"	SPS-B-031825	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Rodman Residence	Backyard	0-1"	SPS-C-031825	15400	ND	ND	1750	19.3	<6.6	25.1	18900	130	14.9	2490	297
Rodman Residence	Backyard	1-6"	SPS-D-031825	22000	11.2	<0.64	3870	26.6	52.4	33.9	64700	131	23.1	4250	2830
Hallowell Park	Soccer Field	0-1"	SPS-E-031825	22900	ND	ND	5100	25.3	9.2	39.1	27300	91.5	17.2	5000	389
Hallowell Park	Soccer Field	1-6"	SPS-F-031825	22700	ND	ND	3090	27.4	9.1	39.7	26500	94.6	16.9	4790	396
Hallowell Park	Soccer Field	1-6"	SPS-TRI-031825	24500	6.9	ND	2770	28.2	9.9	43.2	29800	107	19	5090	420
Hallowell Park	Soccer Field	1-6"	SPS-TRI2-031825	25200	7.2	ND	3090	27.9	10.3	46.2	30000	105	21.2	5610	414
Walnut Residence	Yard, near shed	0-1"	SPS-G-031825	14800	ND	ND	2200	21.4	7.8	25.2	17900	158	11.3	2060	383
Walnut Residence	Yard, near shed	1-6"	SPS-H-031825	21900	9.9	ND	1930	30	11.5	35.4	27000	205	17.9	2810	518
Jenkintown Schools	Back courtyard	0-1"	SPS-I-031825	17600	8.9	ND	1600	22.9	<6.6	35.2	20100	63.3	14.4	2460	426
Jenkintown Schools	Back courtyard	1-6"	SPS-J-031825	20900	10.7	ND	1470	25.8	7.3	37.7	25800	68.7	15.9	2760	639
Jenkintown Schools	Playground	0-1"	SPS-K-031825	20000	9.6	ND	3490	30.1	8.5	34.7	24700	112	17.9	3620	465
Jenkintown Schools	Playground	1-6"	SPS-L-031825	18200	9.2	ND	3740	28.1	8.3	32.2	21400	106	17.1	3790	469
Hillside Residence	Backyard	0-1"	SPS-M-031825	17100	ND	ND	9160	27.6	9.5	57.2	21000	524	26	2730	333
Hillside Residence	Backyard	1-6"	SPS-N-031825	22100	8.5	0.8	9640	47.3	10	98.3	30000	704	32.6	3280	327

Notes:

All results in milligram per killigram (mg/Kg), except percent moisture which is report as %

Highlighted and Bold: Exceed MSC

NS: No Sample - Sample container for SPS-B-0311825 was compromised during shipping, and metals analysis was performed.

ND: Not Detect

DEP SPS Fire Investigation: Detected Metals Results

Location	Location Description	Depth	<i>Nickel</i>	<i>Potassium</i>	<i>Sodium</i>	<i>Titanium</i>	<i>Vanadium</i>	<i>Zinc</i>	<i>Mercury</i>
Act 2 Residential Direct Contact Medium	Specific Concentration (MSC)		4,400	NA	NA	NA	1,100	66,000	35
Hallowell Park	Between Baseball Fields	0-1"	15.5	2310	79.3	519	50.4	112	0.13
Hallowell Park	Between Baseball Fields	1-6"	NS	NS	NS	NS	NS	NS	NS
Rodman Residence	Backyard	0-1"	15.3	1960	67.4	426	27	96.2	0.083
Rodman Residence	Backyard	1-6"	21.3	2650	116	491	42.5	159	0.12
Hallowell Park	Soccer Field	0-1"	18.2	3680	132	628	43.9	127	0.12
Hallowell Park	Soccer Field	1-6"	18	3350	134	656	43.2	125	0.17
Hallowell Park	Soccer Field	1-6"	19.8	3520	134	657	47.5	142	0.16
Hallowell Park	Soccer Field	1-6"	20.3	3650	150	672	49.5	146	0.15
Walnut Residence	Yard, near shed	0-1"	14.1	1390	ND	388	33.4	121	0.31
Walnut Residence	Yard, near shed	1-6"	20.5	2040	80.9	487	50.1	151	0.32
Jenkintown Schools	Back courtyard	0-1"	13.3	1880	ND	426	32.7	68.5	0.078
Jenkintown Schools	Back courtyard	1-6"	15.1	1940	ND	449	39.3	78.7	0.088
Jenkintown Schools	Playground	0-1"	19.2	2850	95.6	541	37.2	134	0.12
Jenkintown Schools	Playground	1-6"	17.2	2530	87.7	489	33.4	121	0.13
Hillside Residence	Backyard	0-1"	22.9	2480	116	509	36.7	304	0.7
Hillside Residence	Backyard	1-6"	23.5	2880	140	530	46.7	387	0.6

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DEP SPS Fire Investigation:Detected Polycyclic Aromatic Hydrocarbons (PAHs) and Cyanide Results

Location	Location Description	Depth	Sample ID	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo[a]pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene
Act 2 Residential Direct Contact Medium Specific Concentration (MSC)				13000	66000	6.1	4.2	3.5	13000
Hallowell Park	Between Baseball Fields	0-1"	SPS-A-031825	ND	ND	<0.0966	0.125	0.289	ND
Hallowell Park	Between Baseball Fields	1-6"	SPS-B-031825	NS	NS	NS	NS	NS	NS
Rodman Residence	Backyard	0-1"	SPS-C-031825	ND	ND	0.176	0.195	0.464	ND
Rodman Residence	Backyard	1-6"	SPS-D-031825	ND	ND	0.148	0.163	0.382	ND
Hallowell Park	Soccer Field	0-1"	SPS-E-031825	0.214	0.181	1.11	1.31	2.81	0.397
Hallowell Park	Soccer Field	1-6"	SPS-F-031825	0.122	0.229	1.07	1.03	2.28	0.271
Hallowell Park	Soccer Field	1-6"	SPS-TRI-031825	0.313	0.192	1.36	1.63	3.58	0.452
Hallowell Park	Soccer Field	1-6"	SPS-TRI2-031825	0.266	0.251	1.52	1.64	3.51	0.5
Walnut Residence	Yard, near shed	0-1"	SPS-G-031825	ND	ND	0.212	0.229	0.465	0.172
Walnut Residence	Yard, near shed	1-6"	SPS-H-031825	ND	ND	0.184	0.193	0.398	0.139
Jenkintown Schools	Back courtyard	0-1"	SPS-I-031825	ND	ND	0.141	0.136	0.287	0.102
Jenkintown Schools	Back courtyard	1-6"	SPS-J-031825	ND	ND	0.117	0.115	0.227	0.0831
Jenkintown Schools	Playground	0-1"	SPS-K-031825	ND	ND	0.172	0.19	0.388	0.14
Jenkintown Schools	Playground	1-6"	SPS-L-031825	ND	ND	0.202	0.216	0.422	0.151
Hillside Residence	Backyard	0-1"	SPS-M-031825**	ND	ND	0.136	0.135	0.282	ND
Hillside Residence	Backyard	1-6"	SPS-N-031825	ND	ND	0.122	0.127	0.268	ND

Notes:

All results in milligrams per kilogram (mg/Kg)

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NS: No Sample, a sample container for SPS-B-031825 was compromised during shipping, and No CN and PAH analysis was performed.

All analysis was performed with dilution

**For the Hillside Residence, PAH results for the 0-1" sample was re-extracted and re-analyzed outside of hold time

DEP SPS Fire Investigation:Detected Polycyclic Aromatic Hydrocarbons (PAHs) and Cyanide Results

Location	Location Description	Depth	<i>Benzo(k)fluoranthene</i>	<i>Chrysene</i>	<i>Dibenzo(a,h)anthracene</i>	<i>Fluoranthene</i>	<i>Indeno(1,2,3-cd)pyrene</i>	<i>Phenanthrene</i>	<i>Pyrene</i>	<i>Cyanide</i>
Act 2 Residential Direct Contact Medium Specific Concentration (MSC)			3.5	35	1	8800	3.5	66000	6600	130
Hallowell Park	Between Baseball Fields	0-1"	0.265	0.124	ND	0.276	ND	ND	0.235	ND
Hallowell Park	Between Baseball Fields	1-6"	NS	NS	NS	NS	NS	NS	NS	NS
Rodman Residence	Backyard	0-1"	0.425	0.203	ND	0.408	ND	ND	0.324	1.5
Rodman Residence	Backyard	1-6"	0.35	0.169	ND	0.351	ND	ND	0.284	1.3
Hallowell Park	Soccer Field	0-1"	2.58	1.25	0.133	2.34	0.385	0.94	2.09	ND
Hallowell Park	Soccer Field	1-6"	2.09	1.11	ND	2.45	0.272	1.15	2.09	ND
Hallowell Park	Soccer Field	1-6"	3.28	1.51	0.141	2.78	0.444	0.944	2.48	ND
Hallowell Park	Soccer Field	1-6"	3.22	1.56	0.154	3.19	0.487	1.33	2.73	ND
Walnut Residence	Yard, near shed	0-1"	0.426	0.221	ND	0.462	0.135	ND	0.393	ND
Walnut Residence	Yard, near shed	1-6"	0.365	0.197	ND	0.432	0.112	ND	0.36	ND
Jenkintown Schools	Back courtyard	0-1"	0.263	0.152	ND	0.304	ND	ND	0.259	ND
Jenkintown Schools	Back courtyard	1-6"	0.208	0.122	ND	0.243	ND	ND	0.21	ND
Jenkintown Schools	Playground	0-1"	0.355	0.199	ND	0.387	0.115	ND	0.322	ND
Jenkintown Schools	Playground	1-6"	0.386	0.218	ND	0.449	0.119	0.162	0.374	ND
Hillside Residence	Backyard	0-1"	0.258	0.175	ND	0.367	ND	ND	0.304	ND
Hillside Residence	Backyard	1-6"	0.246	0.138	ND	0.277	ND	ND	0.241	ND

Notes:

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