



## Town of Fairfield Health Department

### TESTING REPORT

**Date:** August 22, 2019  
**From:** Sands Cleary, Health Director  
**Location:** Sidewalk Area along Holland Hill Road, Gould Manor Park  
**Testing Date:** 8/15/19

---

Attached is summary of the results of Tighe & Bond's Environmental Investigation at Gould Manor Park. The results confirm the CT Department of Energy and Environmental Protection (CTDEEP) results. 40 soil samples including 2 duplicates were collected for analysis of lead, PCBs, and asbestos in soil. One soil sample was also analyzed for ETPH because of a petroleum odor. 18 building material samples including transite siding, brick, and tile were collected for analysis of asbestos.

A summary of the analytical results are as follows:

- Lead – was detected in 3 samples above the Residential Direct Exposure Criterial (RES DEC) of 400 mg/Kg
- PCBs – were not detected
- ETPH – was not detected
- Asbestos in Soil – was not detected
- Asbestos in Building Materials – was detected in 9 samples above EPA criteria of 1%

Based on the results, Tighe & Bond recommends the impacted soil and materials be excavated and removed from the site.

**TABLE 1**  
Summary of Analytical Data  
Gould Manor Park  
Fairfield, CT  
Last Updated: 08/20/2019

Sample ID	CTDEEP RSRs		US EPA	B100	B101	B102	DUP-1	B103	B104	B105	B106	B107	B108	B109	B110	B111	B112	B113	
	RES DEC	GA PMC		6-12"	6-12"	0-6"	DUP-1	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"	6-12"	6-12"	0-6"	
Sample Date				8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19
Lab Sample ID				CD86617	CD86618	CD86619	CD86673	CD86621	CD86622	CD86624	CD86626	CD86628	CD86630	CD86632	CD86633	CD86635	CD86636	CD86638	
<b>CT ETPH 8015D (mg/Kg)</b>	500	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Asbestos in Material by PLM</b>	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Asbestos in Soil by 198.1</b>	NA	NA	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Total Metals (mg/Kg)</b>																			
Lead	400	NA	NA	5.4	5.39	83.4	60.4	14.6	203	7.56	114	27.3	69.1	12.1	242	12.2	11.8	20.3	
<b>PCBs By 8082A (mg/Kg)</b>																			
Total PCBs	1	NA	NA	<0.390	<0.340	<0.330	<0.340	<0.330	<0.340	<0.350	<0.340	<0.340	<0.340	<0.330	<0.350	<0.370	<0.380	<0.340	

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)

US EPA - United State Environmental Protection Agency

RES DEC-Residential Direct Exposure Criteria

GA PMC- Pollutant Mobility Criteria in a GA groundwater area

CT ETPH- Connecticut Department of Public Health Extractable

Total Petroleum Hydrocarbons

ND - Not Detected

NE- Not established

NA- Not Applicable

Results presented in milligrams per kilogram (mg/kg) or %

**Boxed values indicate exceedances of RES DEC or US EPA**

**Gray shaded values indicate exceedance of GA PMC**

"-"- Sample not analyzed

< xx indicates compound was not detected. Detection limit is provided.

**TABLE 1**  
Summary of Analytical Data  
Gould Manor Park  
Fairfield, CT  
Last Updated: 08/20/2019

Sample ID	CTDEEP RSRs		US EPA	B114	DUP-2	B115	B116	B117	B118	815GP01	815GP02	B119	B120	B121	B122	B123	B123	B124
	RES DEC	GA PMC																
Sample Deth				6-12"	DUP-2	6-12"	6-12"	0-6"	6-12"	transite	transite	0-6"	6-12"	0-6"	0-6"	0-6"	1-1.25"	6-12"
Sample Date				8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/15/19
Lab Sample ID				CD86640	CD86674	CD86642	CD86643	CD86646	CD86648	001	002	CD86650	CD86652	CD86654	CD86656	CD86658	CD86660	CD86661
<b>CT ETPH 8015D (mg/Kg)</b>	500	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	< 59	-
<b>Asbestos in Material by PLM</b>	NA	NA	1%	-	-	-	-	-	-	15%	20%	-	-	-	-	-	-	-
<b>Asbestos in Soil by 198.1</b>	NA	NA	1%	0%	0%	0%	0%	0%	0%	-	-	0%	0%	0%	0%	0%	-	0%
<b>Total Metals (mg/Kg)</b>																		
Lead	400	NA	NA	20.3	22.3	9.27	15.9	91.9	12.9	-	-	183	27.1	427	221	277	-	115
<b>PCBs By 8082A (mg/Kg)</b>																		
Total PCBs	1	NA	NA	<0.370	<0.350	<0.370	<0.40	<0.360	<0.370	-	-	<0.360	<0.350	<0.350	<0.350	<0.340	-	<0.360

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)

US EPA - United State Environmental Protection Agency

RES DEC-Residential Direct Exposure Criteria

GA PMC- Pollutant Mobility Criteria in a GA groundwater area

CT ETPH- Connecticut Department of Public Health Extractable

Total Petroleum Hydrocarbons

ND - Not Detected

NE- Not established

NA- Not Applicable

Results presented in milligrams per kilogram (mg/kg) or %

**Boxed values indicate exceedances of RES DEC or US EPA**

**Gray shaded values indicate exceedance of GA PMC**

"-"- Sample not analyzed

< xx indicates compound was not detected. Detection limit is provided.

**TABLE 1**  
Summary of Analytical Data  
Gould Manor Park  
Fairfield, CT  
Last Updated: 08/20/2019

Sample ID	CTDEEP RSRs		US EPA	B125	B126	B127	B128	B129	B-130	B-130	816GP06	816GP07	816GP08	B-131	816GP09	816GP10	816GP11
	RES DEC	GA PMC		0-6"	6-12"	0-6"	6-12"	6-12"	0-6"	6-12"	Transite	Brick	Plaster	0-6"	Transite	Transite	Tile
Sample Deth				8/15/19	8/15/19	8/15/19	8/15/19	8/15/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19
Sample Date				CD86663	CD86665	CD86667	CD86669	CD86671	CD86992	CD86993	006	007	008	CD86994	009	010	011
Lab Sample ID																	
<b>CT ETPH 8015D (mg/Kg)</b>	500	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Asbestos in Material by PLM</b>	NA	NA	1%	-	-	-	-	-	-	-	15%	ND	ND	-	20%	15%	ND
<b>Asbestos in Soil by 198.1</b>	NA	NA	1%	0%	0%	0%	0%	0%	0%	0%	-	-	-	0%	-	-	-
<b>Total Metals (mg/Kg)</b>																	
Lead	400	NA	NA	118	19.6	153	12	7.73	82.2	322	-	-	-	410	-	-	-
<b>PCBs By 8082A (mg/Kg)</b>																	
Total PCBs	1	NA	NA	<0.340	<0.360	<0.340	<0.330	<0.420	<0.350	<0.350	-	-	-	<0.340	-	-	-

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)

US EPA - United State Environmental Protection Agency

RES DEC-Residential Direct Exposure Criteria

GA PMC- Pollutant Mobility Criteria in a GA groundwater area

CT ETPH- Connecticut Department of Public Health Extractable

Total Petroleum Hydrocarbons

ND - Not Detected

NE- Not established

NA- Not Applicable

Results presented in milligrams per kilogram (mg/kg) or %

**Boxed values indicate exceedances of RES DEC or US EPA**

**Gray shaded values indicate exceedance of GA PMC**

"-"- Sample not analyzed

< xx indicates compound was not detected. Detection limit is provided.

**TABLE 1**  
Summary of Analytical Data  
Gould Manor Park  
Fairfield, CT  
Last Updated: 08/20/2019

Sample ID	CTDEEP RSRs		US EPA	816GP12	816GP13	816GP14	B-132	816GP15	816GP16	816GP17	B-133	816GP18	BACK-1	BACK-2	815GP03	815GP04	815GP05
	RES DEC	GA PMC		Plaster	Gray Tile	Brick	0-6"	Plaster	Transite	Transite	0-6"	Transite	0-6"	0-6"	Transite	Transite	Tile
Sample Deth				8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	8/16/19	6/15/19	6/15/19	6/15/19
Sample Date				012	013	014	CD86995	015	016	017	CD86996	018	CD86997	CD86998	003	004	005
Lab Sample ID																	
<b>CT ETPH 8015D (mg/Kg)</b>	500	500	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Asbestos in Material by PLM</b>	NA	NA	1%	ND	ND	ND	-	ND	<b>20%</b>	<b>15%</b>	-	ND	-	-	<b>15%</b>	<b>15%</b>	ND
<b>Asbestos in Soil by 198.1</b>	NA	NA	1%	-	-	-	0%	-	-	-	0%	-	0%	0%	-	-	-
<b>Total Metals (mg/Kg)</b>																	
Lead	400	NA	NA	-	-	-	<b>535</b>	-	-	-	59.7	-	88.2	130	-	-	-
<b>PCBs By 8082A (mg/Kg)</b>																	
Total PCBs	1	NA	NA	-	-	-	<0.350	-	-	-	<0.350	-	<0.370	<0.360	-	-	-

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)

US EPA - United State Environmental Protection Agency

RES DEC-Residential Direct Exposure Criteria

GA PMC- Pollutant Mobility Criteria in a GA groundwater area

CT ETPH- Connecticut Department of Public Health Extractable

Total Petroleum Hydrocarbons

ND - Not Detected

NE- Not established

NA- Not Applicable

Results presented in milligrams per kilogram (mg/kg) or %

**Boxed values indicate exceedances of RES DEC or US EPA**

**Gray shaded values indicate exceedance of GA PMC**

"-"- Sample not analyzed

< xx indicates compound was not detected. Detection limit is provided.