



Town of Fairfield

Health Department

Date: 11/26/19
From: Sands Cleary, Health Director
Re: 220 Coral Drive

A culvert was repaired along the eastern side of the house and the Town may have used fill from the Julian Fill pile to backfill. 3 samples were collected at different depths in the area of the culvert repair and were tested for Asbestos, Arsenic, Lead, Extractable Total Petroleum Hydrocarbon (ETPH), PCB's, Pesticides, and Polycyclic Aromatic Hydrocarbons(PAHs).

No exceedances were found.

When reviewing the following results page, the first column shows the different constituents tested for. The next two columns have the applicable standards which are defined in the key at the bottom of that page. The right most column shows the results of each individual sample.



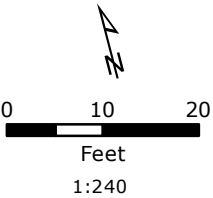
NO EXCEEDANCES

EXCEEDANCE
SUMMARY

LEGEND

-  Yard Drain
-  Approximate Sample Location
-  Approximate Site Parcel
-  Approximate Parcel Boundary

LOCUS MAP



NOTES

1. Based on 2016 Statewide
Orthophotography, Courtesy of CTECO.

220 Coral Drive
Fairfield, Connecticut

November 2019

Tighe&Bond
Engineers | Environmental Specialists

Coral Drive

Summary of Soil Sample Analytical Data

Fairfield, Connecticut

Last Updated: 11/08/2019

Sample Name	CT RSR Criteria		US EPA	CD 101	CD 101	CD 101
Sample Date				10/28/19	10/28/19	10/28/19
Sample Depth	RES DEC GB PMC			0 - 0.5 ft	1 - 1.5 ft	2.5 - 3 ft
Lab Sample ID				CE50261	CE50263	CE50266
Asbestos PLM 198.1²						
% Amosite	NA	NA	NA	0.0%	0.0%	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%	0.0%
% Other	NA	NA	NA	0.0%	0.0%	0.0%
% Total Asbestos	NA	NA	1%	0.0%	0.0%	0.0%
Metals (mg/Kg)						
Arsenic	10	NA	NA	3.52	2.68	3.06
Lead	400	NA	NA	15.7	11.8	12.9
CT ETPH (mg/Kg)	500	500	NA	450	490	<270
PCBs (mg/Kg)						
Total PCBs	1	NA	NA	<0.36	<0.37	<0.37
Pesticides (mg/Kg)						
4,4-DDD	NE	NE	NA	<0.0014	<0.0014	<0.0015
4,4-DDE	NE	NE	NA	<0.0014	<0.0014	<0.0015
4,4-DDT	NE	NE	NA	<0.0014	<0.0014	<0.003
Total DDT	1.8	0.02	NA	<0.0014	<0.0014	<0.003
Alachlor	0.34	0.01	NA	<0.0072	<0.0072	<0.0073
Aldrin	7.7	0.4	NA	<0.0014	<0.0014	<0.0015
Alpha-BHC	0.04	0.01	NA	<0.0014	<0.002	<0.002
Beta-BHC	0.34	0.01	NA	<0.0014	<0.0014	<0.0015
Chlordane	0.49	0.066	NA	<0.036	<0.036	<0.036
Delta-BHC	0.34	0.01	NA	<0.0014	<0.0014	<0.0015
Dieldrin	0.038	0.007	NA	<0.0036	<0.0036	<0.0036
Endosulfan I	41	0.84	NA	<0.0072	<0.0072	<0.0073
Endosulfan II	41	0.84	NA	<0.0072	<0.0072	<0.0073
Endosulfan Sulfate	41	0.84	NA	<0.0072	<0.0072	<0.0073
Endrin	20	0.4	NA	<0.0072	<0.0072	<0.0073
Endrin Aldehyde	20	0.4	NA	<0.0072	<0.0072	<0.0073
Endrin Ketone	20	0.4	NA	<0.0072	<0.0072	<0.0073
Gamma-BHC	20	0.04	NA	<0.0014	<0.0014	<0.0015
Heptachlor	0.14	0.013	NA	<0.0072	<0.0072	<0.0073
Heptachlor Epoxide	0.067	0.02	NA	<0.0072	<0.0072	<0.0073
Methoxychlor	340	8	NA	<0.036	<0.036	<0.036
Toxaphene	0.56	0.6	NA	<0.14	<0.14	<0.15
Semi-VOCs (mg/Kg)						
Benzo(a)anthracene	1	1	NA	0.570	<1	0.480
Benzo(a)pyrene	1	1	NA	0.610	<1	0.540
Benzo(b)fluoranthene	1	1	NA	0.590	<1	0.530
Benzo(g,h,i)perylene	8.4	1	NA	0.430	<1	0.420
Benzo(k)fluoranthene	8.4	1	NA	0.480	<1	0.430
Chrysene	84	1	NA	0.630	<1	0.540
Fluoranthene	1,000	56.0	NA	1.200	<1.3	0.860
Indeno(1,2,3-cd)pyrene	1	1	NA	0.460	<1	0.430
Phenanthrene	1,000	40	NA	0.410	<1.3	0.320
Pyrene	1,000	40	NA	0.980	<1.3	0.830

CTDEEP RSRs- Connecticut Department of Energy and

RES DEC-Residential Direct Exposure Criteria

GA PMC- Pollutant Mobility Criteria in a GB groundwater

NE- Not established

NA- Not Applicable

CT ETPH- Connecticut Department of Public Health

PAHs- Polycyclic Aromatic Hydrocarbons

PCBs- Polychlorinated Biphenyls

< xx indicates compound was not detected. Detection limit

Boxed values indicate exceedances of RES DEC

Grey values indicate exceedances of GB PMC

ND- None Detected

PACM- Potential Asbestos Containing Material

²- Asbestos analysis of Bulk Materials via 40 CFR Part 763,