

Locations/Depth
IGW SSL Exceedances
 EF-108
 2.0 - 1.5
 FSP-T1-48-SM-N
 6.0 - 6.5
 OSB-22
 4.0 - 4.5

- Abbreviations:**
 IGW SSL - Impact to Groundwater Soil Screening Level
 MDL - method detection limit
 mg/kg - milligram per kilogram
 NJDEP - New Jersey Department of Environmental Protection
 RI - Remedial Investigation
 SSRI - Supplemental Soil Remedial Investigation
 SVOC - semi-volatile organic compound
- Data Qualifiers:**
 J - Indicates the result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.
 U - Indicates that the analyte was not detected in the sample above the sample reporting limit.
 UU - Indicates that the analyte was not detected above the reporting limit and the reporting limit was approximate.
- Notes:**
 1. Boring locations within the numbered chrome site's boundary are shown for reference purposes only.
 2. Data are compared to the NJDEP default IGW SSL, last updated November 2013.
 3. Depths are displayed in feet below ground surface (ft bgs).
 4. Results are reported in mg/kg.
 5. Red font indicates an exceedance of the IGW SSL.
 6. There are some instances where sample results are less than the MDL, but the MDL is slightly greater than the NJDEP remediation standard. These are identified in a bold font in the data tables as less than the MDL value along with the non-detect qualifier (i.e., < 6 U).
 7. The Jersey City parcels boundaries source is the "NJ Composite of Parcels Data with Joined MCO-IV Attributes 2017" dataset from New Jersey Geographic Information Network, available at: https://njgin.state.nj.us/NJ_NGINExplorer/DataDownloads.jsp. The parcel boundaries provided by this source are not surveyed data.

NFS-PDI-U14B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
0.2 - 0.7	< 0.036 U	0.138 J	0.202 J	0.231 J	< 0.075 U	< 0.041 U
2.0 - 2.5	0.113	0.475	0.471	0.411	0.227 J	0.020 J
2.0 - 2.5	0.183	0.347	0.335	0.465	0.133 J	< 0.088 U
4.0 - 4.5	0.187	0.48	1.25	4.39	1.42	< 0.006 U

P4-FOR-V12B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
1.5 - 1.8	0.227	1.0	1.42	1.93	0.507	0.28
2.0 - 2.5	0.134	0.436	0.416	0.655	0.173	0.075 J
4.0 - 4.5	2.52	1.16	3.84	2.22	0.586	0.078 J

P4-FOR-V12BR

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
0.5 - 1.0	0.275	1.65	1.93	2.55	0.723	0.322

PSEG-SB62

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
1.5 - 2.0	0.154 J	6.7	5.9	6.3	6.1	< 0.083 U

NFS-PDI-CC12B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz	
0.0 - 0.5	< 0.044 U	0.377	0.488	0.68	0.241	< 0.05 U	
2.0 - 2.5	0.397	1.93	1.61	2.12	0.742	< 0.008 U	
4.0 - 4.5	0.438 J	1.2 J	3.2 J	3.2 J	1.2 J	< 0.011 U	
(FD)	4.0 - 4.5	0.0098 J	0.689 J	0.689 J	0.809 J	0.27 J	< 0.011 U

NFS-PDI-CC14B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
0.5 - 1.0	< 0.039 U	0.127 J	0.27	0.368	0.164 J	< 0.044 U
2.5 - 3.0	1.01	1.2	0.947	1.21	0.402	< 0.02 U

NFS-PDI-EE15B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz	
0.0 - 0.5	< 0.016 U	< 0.019 U	0.048 J	0.048 J	< 0.012 U	< 0.012 U	
2.0 - 2.5	2.14	0.84	0.461	0.797	0.386	< 0.046 U	
4.0 - 4.5	0.17	0.224	0.219 J	0.388	0.079	< 0.008 U	
(FD)	4.0 - 4.5	0.12	0.122	0.103 J	0.127	0.0429	< 0.0095 U

NFS-PDI-CC12BR

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
0.5 - 1.0	0.083	0.884	0.676	0.82	0.276	< 0.02 U
2.5 - 3.0	0.037 J	0.558	0.454	0.554	0.559	< 0.008 U

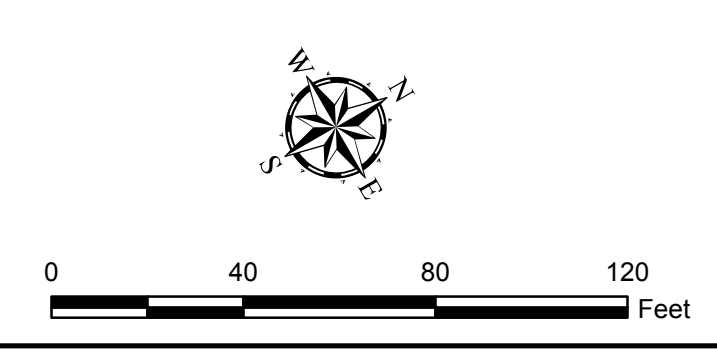
P4-FOR-CC10B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz
1.0 - 1.5	0.0448 J	0.333	0.328	0.466	0.182	0.144
3.0 - 3.5	0.0265 J	0.331	0.184	0.144	0.075	< 0.0097 U

P4-FOR-FF9B

Depth	2Mth	BaA	BaP	BbF1	BbF	Hcbz	
1.0 - 1.5	0.0052	0.184	0.188	0.17	0.145	0.048 J	
3.0 - 3.5	0.0651 J	0.164	0.169	0.25	0.0861	< 0.0099 U	
(FD)	3.0 - 3.5	0.0365 J	0.212	0.182	0.26	0.0868	< 0.0099 U
5.0 - 5.5	0.544	0.592	0.971	1.71	0.476	0.831 J	

- LEGEND**
- RI BORING OUTSIDE THE NUMBERED CHROME SITE BOUNDARY
 - RI BORING INSIDE THE NUMBERED CHROME SITE BOUNDARY
 - SSRI BORING
 - SSRI BORING INSIDE THE NUMBERED CHROME SITE BOUNDARY
 - ADDITIONAL NON-RI BORING
 - NO SVOC EXCEEDANCE AT THIS BORING LOCATION
- ANALYTICAL RESULTS EXCEEDING THE IGW SSL**
- 2-METHYLNAPHTHALENE (2Mth) ≥ 8 mg/kg
 - BENZO(A)ANTHRACENE (BaA) ≥ 0.8 mg/kg
 - BENZO(A)PYRENE (BaP) ≥ 0.2 mg/kg
 - BENZO(B)FLUORANTHENE (BbF1) ≥ 2 mg/kg
 - BENZO(K)FLUORANTHENE (BbF) ≥ 25 mg/kg
 - HEXACHLOROBENZENE (Hcbz) ≥ 0.2 mg/kg
- APPROXIMATE SITE BOUNDARIES**
- FORMER MORRIS CANAL
 - NUMBERED CHROME SITE BOUNDARY
 - APPROXIMATE ADJACENT PROPERTY BOUNDARIES
 - JERSEY CITY PARCEL BOUNDARIES



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SOIL COMPARISON TO NJDEP IGW SSL - NORTHEAST GARFIELD AVENUE SITES, SVOCs

DATE: 05/29/2018

FIGURE: 5-18