Non-Exceedance Locations Sample	
Location	Depth (ft)
114-MW22B	5 - 5.5
A6	1.5 - 2
AA5	3 - 3.5
BS5	2.5 - 3
B1001	0 - 0.5
B103	0 - 0.5
B104	0 - 0.5
B107	0 - 0.5
B1303	0.3 - 0.8
B1304	0.3 - 0.8
B1304A	0.3 - 0.8
B1304B	0.3 - 0.8
B1304C	0.3 - 0.8
B1401	0.8 - 1.3
B1402	0.3 - 0.8
B1402A	0.3 - 0.8
B302	0 - 0.5
B304	0 - 0.5
B308E	0 - 0.5
B311	1 - 1.5
B401	0 - 0.5
B401B	0 - 0.5
B501	0.5 - 1
B701	0 - 0.5
B802	0 - 0.5
B803	0 - 0.5
B901	0 - 0.5
C4	2 - 2.5
C7	0.5 - 1
CHEM-5	1 - 2
	5 - 7
D4	1.5 - 2
D4A	1.5 - 2.04
D5	3.5 - 4
D6	1.5 - 2
E10	2 - 2.5
EF-38A	2.5 - 3
EF-40	2.5 - 3
EF-41	2.5 - 3
EF-42	2.5 - 3
EF-43	2.5 - 3
EF-67	2.5 - 3
EF-68	2.5 - 3
EF-69	2.5 - 3
EF-70	2.5 - 3
F01	1 - 1.5
	3 - 3.5
F05	1 - 1.5
G3	0 - 0.5
G4	0 - 0.5
G4A	0 - 0.5
G9	3.5 - 4
MW8A	0 - 2
PSEG-SB07	1.5 - 2
SB2	1 - 1.5
SB4	2 - 2.5
SB5	1 - 1.5
SB17	1 - 1.5
SB21	1.5 - 2
TT109	1 - 1.5
	4 - 4.5
TT319	0 - 0.5
TT703	0 - 0.5

OSB-2 (0-1) (2-2.5) (2-2.5)FD (4-4.5)
BaA 0.617 0.516 0.521 0.0392 J
BaP 0.692 0.517 0.513 0.0334 J

C9 (2-3)
BaA 1
BaP 0.92

D7 (3-3)
BaP 5.28 J

SB18 (1-1.5)
BaA 0.592
BaP 0.498

D10 (1.5-2) (4-5)
BaA 5 6.1 J
BaP 4.1 6.4 J
BSFL 3.2 8.8 J

MW3B (0-.5)
BaA 0.7
BaP 1.1

E7 (2-2.5)
BaA 2 J
BaP 1.8 J

MW4AB (1.62-2) (2.17-2.79)
BaP 0.379 0.0874 J

MW6A (1-3)
BaA 0.89
BaP 0.51

SB22 (1-1.5)
BaA 0.656
BaP 0.543

SB19 (.5-1) (2.5-3)
BaA 1.03 < 0.149 U
BaP 0.787 < 0.149 U

SB20 (.5-1)
BaA 3.77
BaP 3.07
BSFL 2.93

SB16 (0-.5) (2.5-4)
BaA 1.38 0.272
BaP 1.1 0.196

TT1308 (0-.5)
BaA 1.9
BaP 1.9

B1101 (0-.5)
BSFL 9.1

B1201 (0-.5)
BaA 3.9
BaP 3.9
BSFL 9.4

PSEG-SB62 (1.5-2)
BaA 6.7
BaP 5.8
BSFL 6.3

TT1305 (1.5-2)
BaA 3.7
BaP 2.9
BSFL 4.1

B1302 (0-.5)
BaA 0.66

B1301 (0-.5)
BaA 5.5
BaP 4.6
BSFL 3.8

B305A (0-.5) (1.5-2)
BaA 3.3 < 0.39 U
BaP 3.6 < 0.39 UB
BSFL 2.3 < 0.39 U

TT317 (2-2.5)
BaA 31
BaP 30
BSFL 23
BkF 27

B303 (0-.5) (2.5-3)
BaA 9.4 < 0.39 U

B306C (0-.5)
2Mth 25
BaA 34
BaP 38
BSFL 24
BkF 25

TT316 (4-4.5)
BSFL 77
BkF 83

TT315 (1-1.5) (2-3.5)
BaP 9.4 < 0.42 UB
BSFL 7 < 0.42 U

MW8D (0-.5) (6-6.5)(FD)
2Mth 7.3 < 0.4 U
BaA 4.8 0.82
BaP 5.1 0.51
BSFL 5.2 1.3

B309D (0-.5)
BaA 2.1
BaP 2.2
BSFL 2.2

B310 (0-.5)
BaA 2.9
BaP 3.2
BSFL 3.9

B307D (0-.5) (1-2)
BaA 4.2 3.1
BaP < 3.9 UM 4.7
BSFL < 3.9 UM 3.4

SB12 (0-.5) (4-4.5)
BaP 0.175 0.479

B201 (0-.5) (4-5.5)
BaA 1.5 < 0.39 U
BaP 1.7 < 0.39 UM

B601 (0-.5)
BaP 2.5
BSFL 2.1

B101 (0-.5)
BaA 2.2
BaP 3.3
BSFL 2.9

TT114 (0-.5) (3-3.5)
BaP 1.4 < 6.2 UM

B102 (0-.5)
BaA 8.4
BaP 7.3

MW4D (0-.5)
BaA 9.7
BaP 10
BSFL 12

OSB-3 (.6-1.1) (2-2.5) (4-4.5)
BaA 0.22 12.5 0.654
BaP 0.227 7.13 0.4
BSFL 0.29 6.2 0.331

MW5A (0-2)
BaA 78 J
BaP 87 J
BSFL 46 J
BkF 47 J

B7 (.5-1)
BaA 3.8
BaP 3.6

C6 (2-3.5) (3-3.5)FD
BaA 11 6.8
BaP 9.1 6.5
BSFL 7.9 4.7

B6 (2.5-3)
BaA 12 J
BaP 9.31 J
BSFL 8.8

OSB-5 (.4-1.4) (2-2.5) (2-2.5)FD (5-5.5)
BaP 0.438 J 0.281 0.336 < 0.014 U

EF-38 (2.5-3)
BaA 5.2
BaP 4.1
BSFL 4.6 J

MW1A (2-4)
BaA 1.00 J
BaP 0.56 J

OSB-6 (.4-.9) (1.5-2.3) (4-4.5)
BaA 0.282 J 1.65 < 0.02 U
BaP 0.173 J 1.55 < 0.014 U

C5 (2.5-3)
BaP 0.48

EF-37 (2.5-3)
BaP 0.25

MW7A (0-2)
BaA 0.66
BaP 0.37 J

A4 (1.4-1.7) (0-.5) (0-.5)FD
BaA 0.4 0.052 0.06
BaP 0 0.053 0.068
BSFL 4.3 < 0.37 U 0.062

MW6A (2-4)
BaA 4.48
BaP 3.7 J
BSFL 3 J

OSB-9 (1-1.5) (2.3-2.8) (5-6.3) (5-6.3)FD
BaP 0.447 0.34 0.0972 0.0348 J

EF-66 (2.5-3) (6-6.5)
BaP 0.22 0.29

EF-33 (2.5-3) (6-6.5)
BaP 0.64 0.42

EF-64 (2.5-3)
BaA 0.99
BaP 1.1

EF-64 (2.5-3) (6-6.5)
BaP < 0.0047 U 0.24

EF-32 (2.5-3)
BaA 0.63
BaP 0.7

EF-65 (2.5-3) (2.5-3)FD
BaA 3.3 4.5
BaP 3.2 4.2
BSFL 4.3 5.7

SB1 (.5-1) (4-4.5)
BaP 0.378 J < 0.237 UM

F2A (0-.65) (4-4.2) (4.96-5.2) (4.96-5.2)FD
BaA 1.09 J 0.0532 J 0.13 J 1.33 J
BaP 1.83 J 0.0647 J 0.102 J 0.979 J

MW5D (0-2)
BaA 0.93
BaP 0.56

TT108 (4-4.5)
BaA 1.8
BaP 2.3

TT110 (0-.5) (4-4.5)
BaA < 1.3 UM 16
BSFL < 1.3 UM 6.6
Nphth < 1.3 U 220

B109 (0-.5)
BSFL 0.3

B401A (.5-1)
2Mth 8.1
BaA 4.3
Nphth 62

B313C (0-.5)
BaA 4.1
BaP 5.5

TT112 (5-5.5)
2Mth 54
BaA 47
BaP 37
BSFL 26
BkF 35
Nphth 350

B502 (.5-1)
BaA 0.95
BaP 1.2

Site 186
Site 114
Site 143
Site 132
Site 137
Site 133
Site 135

UNION STREET
NJ TRANSIT LIGHT RAIL LINE
GARFIELD AVENUE
DAKOTA STREET
CARTERET AVENUE
FORREST STREET
HALLADAY STREET
PACIFIC AVENUE

LEGEND

BORING LOCATIONS

ANALYTICAL RESULTS EXCEEDING THE NJDEP IGW SSL

2-METHYLNAPHTHALENE (2Mth) ≥ 5 PPM
BENZO(A)ANTHRACENE (BaA) ≥ 0.5 PPM
BENZO(A)PYRENE (BaP) ≥ 0.2 PPM
BENZO(B)FLUORANTHENE (BbFL) ≥ 2 PPM
BENZO(K)FLUORANTHENE (BkF) ≥ 16 PPM
NAPHTHALENE (Nphth) ≥ 16 PPM
NO SVOCs EXCEEDANCE AT THIS BORING LOCATION

FORMER MGP BOUNDARY
FORMER MORRIS CANAL
EXCAVATION BOUNDARY

SAMPLE LOCATION (DEPTH IN FEET)	
ANALYTE NAME	RESULTS (ppm)

N W E S

0 70 140 Feet

NOTES:
1. HORIZONTAL DATUM - NAD 1983
2. VERTICAL DATUM – NAVD 1988
3. DATA ARE COMPARED TO THE DEFAULT NJDEP IMPACT TO GROUNDWATER SOIL SCREENING LEVELS ("IGW SSL"), DECEMBER 2008.
4. DATA FOR GROUP 2 SVOCS ARE PRESENTED ON A SEPARATE MAP.
5. RED FONT INDICATES AN EXCEEDANCE OF THE NJDEP IGW SSL.
6. GREY FONT INDICATES SOIL WAS REMOVED IN 2010-2011 DURING INTERIM REMEDIAL MEASURE #1.
7. "FD" INDICATES FIELD DUPLICATE.
8. FORMER MORRIS CANAL LIMITS ARE BASED ON ORIGINAL SURVEYS AND MAPPING BY J.R. BIEN AND C.C. VERMEULE, 1891.

AECOM

PPG INDUSTRIES
GARFIELD AVENUE PROJECT AREA, JERSEY CITY
REMEDIAL INVESTIGATION REPORT
HUDSON COUNTY, NEW JERSEY
60154801

DATE: NOVEMBER 2011 | DRAWN: J.E.B. | CHECKED BY: C.A.D.

FIGURE 5-27
SOIL COMPARISON TO NJDEP IGW SSL - NORTHERN GARFIELD AVENUE SITES GROUP 1 SVOCs (ppm)