Locations/Depths With No Exceedances
114-MW20A
0.5 - 1.0
4.5 - 5.0
135-B19
1.3 - 1.8
2.1 - 2.6
3.3 - 3.8
CAR-PDI-AA19A
0.5 - 1.0
2.0 - 2.5
4.0 - 4.5
EF-03
2.5 - 3.0
EF-04
2.5 - 3.0
EF-04B
2.5 - 3.0
EF-05
2.5 - 3.0
EF-06
2.5 - 3.0
EF-09
2.5 - 3.0
EF-101
2.0 - 2.5
EF-103
0.5 - 1.0
EF-104
0.3 - 0.8
EF-107
0.5 - 1.0
EF-108
1.0 - 1.5
EF-109
1.0 - 1.5
EF-11
2.5 - 3.0
EF-110
0.2 - 0.7
EF-110A
0.8 - 1.3
2.0 - 2.5
3.0 - 3.5
EF-111
0.1 - 0.6
EF-111A
0.4 - 0.9
2.0 - 2.5
3.0 - 3.5
EF-122
1.0 - 1.5
3.0 - 3.5
4.5 - 5.0
EF-123
0.2 - 0.7
3.0 - 3.5
5.0 - 5.5
EF-14
2.5 - 3.0
EF-17
2.5 - 3.0
EF-73A
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
EF-94
2.5 - 3.0
EF-99
0.5 - 1.0
FS1
0.3 - 0.8
2.0 - 2.5
FS10
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS11
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS13
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS14
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS15
0.3 - 0.8
2.0 - 2.5
FS16
0.3 - 0.8
1.0 - 1.5
3.0 - 3.5
FS21
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS22
0.0 - 0.5
2.0 - 2.5
3.0 - 3.5
FS23
0.3 - 0.8
2.0 - 2.5
3.0 - 3.5
FS24
0.0 - 0.5
2.0 - 2.5
FS3
1.0 - 1.5
3.0 - 3.5
FS4
1.0 - 1.5
3.0 - 3.5
FS5
0.3 - 0.8
1.0 - 1.5
3.0 - 3.5
FS7
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS8
0.0 - 0.5
2.0 - 2.5
4.0 - 4.5
FS9
0.3 - 0.8
2.0 - 2.5
4.0 - 4.5
FSI10
0.0 - 0.5
1.0 - 1.5
3.0 - 3.5
FSI1A
0.8 - 1.3
FSI3
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
3.5 - 4.0
FSI4A
0.5 - 1.0
2.0 - 2.5
4.0 - 4.5
FSI5A
2.0 - 2.5
3.0 - 3.5
FSI6A
2.0 - 2.5
4.0 - 4.5
FSI7
0.5 - 1.0
2.0 - 2.5
4.0 - 4.5
FSI8
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5
3.5 - 4.0
4.0 - 4.5
FSI9
0.4 - 0.9
1.5 - 2.0
5.0 - 5.5
FSTP1-WaterLine1
4.0 - 4.5
H0
0.5 - 1.0
2.5 - 3.0
4.5 - 5.0
H0A
0.5 - 1.0
2.5 - 3.0
4.5 - 5.0
H0B
0.5 - 1.0
2.5 - 3.0
4.5 - 5.0
H1
0.3 - 0.8
5.0 - 5.5
H1A
0.5 - 1.0
2.0 - 2.5
5.0 - 3.5
6.0 - 6.5
H1A12
0.2 - 0.7
2.5 - 3.0
3.5 - 4.0
H1A3V
0.2 - 0.7
2.0 - 2.5
3.0 - 3.5
5.0 - 5.5
6.0 - 6.5
H1A9
0.5 - 1.0
2.5 - 3.0
3.5 - 4.0
H1B
0.2 - 0.7
5.0 - 5.5
H2
0.6 - 1.1
2.0 - 2.5
5.0 - 5.5
H2B
5.0 - 5.5
H3A
0.5 - 1.0
5.0 - 5.5
H4
0.5 - 1.0
5.0 - 5.5
H4A
0.5 - 1.0
2.0 - 2.5
5.0 - 5.5

Locations/Depths With No Exceedances
H4A10
0.5 - 1.0
2.5 - 3.0
H4A11
0.5 - 1.0
2.5 - 3.0
H4A12
0.5 - 1.0
2.5 - 3.0
H4A9
0.5 - 1.0
2.5 - 3.0
H4B
0.5 - 1.0
5.0 - 5.5
H5
0.3 - 0.8
2.0 - 2.5
4.0 - 4.5
H5A
0.5 - 1.0
2.0 - 2.5
4.0 - 4.5
H5B
0.5 - 1.0
2.0 - 2.5
4.0 - 4.5
H6
0.4 - 0.9
2.0 - 2.5
4.0 - 4.5
HAL-AOC1
0.5 - 1.0
HC
1.8 - 2.3
HH
0.3 - 0.8
2.0 - 2.5
HSD-PDI-GG5A
0.5 - 1.0
2.0 - 2.5
4.0 - 4.5
HTP1
0.3 - 0.8
2.0 - 2.5
ICO-23
0.3 - 0.8
2.0 - 2.5
4.0 - 4.5
OSB-22
1.1 - 1.6
4.0 - 4.5
4.0 - 4.5
OSB-23
0.5 - 1.0
1.7 - 2.2
OSB-24
0.5 - 1.0
4.5 - 5.0
OSB-25
0.5 - 1.0
P4-HSN-AA16A
0.5 - 1.0
2.5 - 3.0
4.5 - 5.0
PSEG-SB45
0.0 - 0.5
1.5 - 2.0
PSEG-SB52
1.0 - 1.5
X35
2.0 - 2.5
X37
1.5 - 2.0

Abbreviations:

CCPW - Chromate Chemical Production Waste
FD - field duplicate
IGW - Impact to Groundwater
GA Group - Garfield Avenue Group
MDL - method detection limit
mg/kg - milligram per kilogram
NJDEP - New Jersey Department of Environmental Protection
RI - Remedial Investigation
SSRI - Supplemental Soil Remedial Investigation
SRS - Soil Remediation Standard
SSL - Soil Screening Level

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.
UJ – 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. CCPW impacts located on Site 199 will not be addressed as part of the GA Group sites.
3. TI data is compared to the NJDEP default IGW SSL, November 2013. Sb and Ni data are compared to site-specific IGW SRSs.
4. Depths are displayed in feet below ground surface (ft bgs).
5. Results are reported in mg/kg.
6. Red font indicates an exceedance of the IGW SSL or site-specific IGW SRS.
7. There are some instances where sample results are less that 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., **< 5 U**).
8. The Jersey City parcels boundaries source is the "NJ Composite of Parcels Data with Joined MOD-IV Attributes 2017" dataset from New Jersey Geographic Information Network, available at: https://njgin.state.nj.us/NJ_NJGINExplorer/DataDownloads.jsp. The parcel boundaries provided by this source are not surveyed data.

PSEG-SB46

Depth	Ni	Sb	Tl
1.5 - 2.0	234	< 2.3 UJ	< 1.1 U
4.0 - 5.0	46.1	< 3.1 UJ	< 1.5 U
(FD) 4.0 - 5.0	25.5	< 2.8 UJ	< 1.4 U

FS17

Depth	Ni	Sb	Tl
0.3 - 0.8	295	< 0.83 U	< 1.3 U
1.0 - 1.5	40.1	0.60 J	< 0.41 U
3.0 - 3.5	39.6	3.5 J	< 2.1 U

X36

Depth	Ni	Sb	Tl
0.8 - 1.3	326	< 1.2 U	< 1.2 U
2.0 - 2.5	17.9	< 1.1 U	< 1.1 U
(FD) 2.0 - 2.5	19.6	< 1.1 U	< 1.1 U
6.0 - 6.5	15.1	25.3	< 1.6 U

H4A4V

Depth	Ni	Sb	Tl
0.5 - 1.0	42.7	3.5 J	< 0.60 U
2.0 - 2.5	203	19.1 J	< 2.9 U
3.0 - 3.5	33.1	0.91 J	0.71 J
5.0 - 5.5	35.2	9.0 J	0.40 J

HTP2

Depth	Ni	Sb	Tl
0.5 - 1.0	68.5	2.1 J	< 0.39 U
2.0 - 2.5	56.1	5.0 J	10.5 J

H6A

Depth	Ni	Sb	Tl
0.4 - 0.9	21.3 J	3.2 J	< 0.39 U
2.0 - 2.5	28.7 J	64.8 J	5.9 J
4.0 - 4.5	23.4 J	2.3 J	< 3.1 U

H3

Depth	Ni	Sb	Tl
0.5 - 1.0	56.7 J	1.9 J	0.23
5.0 - 5.5	237 J	29.1 J	< 0.25 U
6.0 - 6.5	22.8 J	2.9 J	0.34

H6B

Depth	Ni	Sb	Tl
0.4 - 0.9	35.2 J	9.7 J	5.2 J
2.0 - 2.5	64.2 J	14.0 J	2.1 J
(FD) 2.0 - 2.5	103 J	5.4 J	2.0 J
4.0 - 4.5	54.5 J	11.6 J	1.4 J

H3B

Depth	Ni	Sb	Tl
1.5 - 2.0	33.9 J	127 J	0.21 J
5.0 - 5.5	48.7 J	8.8 J	< 0.20 U

H2A

Depth	Ni	Sb	Tl
0.4 - 0.9	23.8 J	4.1 J	0.20 J
2.0 - 2.5	46.7 J	0.83 J	< 0.23 U
5.0 - 5.5	81.9 J	1.8 J	9.9
6.0 - 6.5	17.9 J	4.8 J	0.41

H1A11

Depth	Ni	Sb	Tl
0.2 - 0.7	52.5	202	< 1.8 U
2.0 - 2.5	46.3	20.3	2.1 J
(FD) 2.0 - 2.5	35.1	17.5	2.8 J
3.5 - 4.0	81.5	1.5 J	< 0.67 U

FS18

Depth	Ni	Sb	Tl
0.0 - 0.5	99.9	< 0.25 UJ	< 0.31 U
2.0 - 2.5	366	0.43 J	2.6 J
4.0 - 4.5	17.1	< 0.28 UJ	0.53 J
(FD) 4.0 - 4.5	16.7	< 0.31 UJ	0.63 J

FS25

Depth	Ni	Sb	Tl
0.0 - 0.5	21.0	< 0.32 UJ	< 0.20 U
2.0 - 2.5	412	0.68 J	< 0.21 U
3.0 - 3.5	269	< 0.95 UJ	0.86 J

FS6

Depth	Ni	Sb	Tl
0.0 - 0.5	299	4.7 J	< 0.36 U
2.0 - 2.5	280	3.0 J	< 0.36 U
4.0 - 4.5	12.0	1.4 J	< 0.34 U

EF-112A

Depth	Ni	Sb	Tl
2.0 - 2.5	316	1.1 J	1.8 J
4.0 - 4.5	15.5	0.80 J	< 0.36 U

FS11

Depth	Ni	Sb	Tl
1.0 - 1.5	85.5	< 2.4 U	7.6 J

FS12

Depth	Ni	Sb	Tl
0.0 - 0.5	42.6 J	0.82 J	< 0.34 U
2.0 - 2.5	224 J	7.2 J	1.5 J
4.0 - 4.5	27.6 J	1.5 J	0.94 J
(FD) 4.0 - 4.5	35.3 J	1.4 J	0.58 J

MAP LOCATION

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 CCPW METALS EXCEEDANCE AT THIS BORING LOCATION

ANALYTICAL RESULTS EXCEEDING THE IGW SRS/SSL

- ANTIMONY (Sb) ≥ 62.7 mg/kg
- NICKEL (Ni) ≥ 170 mg/kg
- THALLIUM (Tl) ≥ 3.0 mg/kg

- APPROXIMATE SITE BOUNDARIES
- FORMER MORRIS CANAL
- NUMBERED CHROME SITE BOUNDARY
- APPROXIMATE ADJACENT PROPERTY BOUNDARIES
- JERSEY CITY PARCEL BOUNDARIES

0 40 80 120 Feet

AECOM

PPG
GARFIELD AVENUE GROUP
JERSEY CITY, NEW JERSEY

DATE: 05/24/2018

SOIL COMPARISON TO NJDEP IGW SRS/SSL - NORTHEAST GARFIELD AVENUE SITES, CCPW METALS

FIGURE: 5-14