

ABBREVIATIONS:

bgs - below ground surface CCPW - Chromate Chemical Production Waste Cr - chromium Cr⁺⁶ - hexavalent chromium ft - feet mg/kg - milligrams per kilogram Naph - naphthalene NAVD88 - North American Vertical Datum of 1988 NRDCSRS - New Jersey Department of Environmental Protection Non-Residential Direct Contact Soil Remediation Standard PAHs - polycyclic aromatic hydrocarbons RDCSRS - New Jersey Department of Environmental Protection Residential Direct Contact Soil Remediation Standard

QUALIFIERS:

J - The result was an estimated value; the associated numerical value was an approximate concentration of the analyte in the sample.

GENERAL NOTES:

- G1. The PAH data associated with the sample locations shown on this figure are provided in Table 5-4. Data presented in call out boxes on this figure are outliers (i.e., data points that require further explanation). Specific notes on how the New Jersey Department of Environmental Protection's remedial standards are being met and/or how remediation is being achieved/completed for each outlier sample are provided in the Specific Notes in Table 5-4.
- G2. "Elevation" refers to the sample elevation based on the pre-remediation surface elevation for samples collected from the pit bottom, and the surface elevation of the sample location when the sample was collected via boring or test pit. G3. Elevation vertical datum is NAVD88, in U.S. survey ft.
- G4. Results are reported in mg/kg.
- G5. Source of block/lot information is Jersey City Parcel Data from New Jersey Geographic Information Network (NJGIN), last updated 10/6/2015 (available at: http://data.jerseycitynj.gov/dataset/jersey-city-parcel-polygon).
- G6. Additional sample locations are shown on Figures 5-4A and 5-4B.
- G7. This figure presents data for locations within the Site boundary that have samples remaining in place. In addition, removed samples may be shown to demonstrate compliance with the remediation objectives. The Specific Notes on Table 5-4 include discussion of these situations, if necessary.

SPECIFIC NOTES:

- S1. Property lines and pre-construction topographical contours are sourced from the "Boundary & Topographical Survey, PPG Site, Lot 5, Block 21510, Jersey City, Hudson County, New Jersey" prepared by Borbas Surveying and Mapping, LLC, dated May 30, 2014.
- S2. Post-excavation elevation survey points were taken from the "Post Excavation Elevation Plan for ENTACT, LLC; PPG SITE 133/135 HSS 133E 135 ASM EXCAVATION," produced by Maser Consulting P.A., dated 05/09/18.
- S3. Conceptual post-excavation elevation contours were generated using professional judgement based on post-excavation elevation survey points and knowledge of excavation practices utilized during remedial excavation (i.e., excavation conducted on a 30 ft by 30 ft basis).
- S4. The extent of excavation shown here represents the as-built terminal excavation elevation for remediation of Cr⁺⁶, CCPW, non-Cr constituents, and concrete foundation removal.

<u>LEGEND</u>

- SAMPLING LOCATION (REMAINING SAMPLES)
- SAMPLING LOCATION \bigcirc (REMOVED SAMPLES)
- REMAINING SAMPLES NOT ANALYZED FOR
- PAHs RESULT IS BELOW THE MOST
- STRINGENT STANDARD RESULTS EXCEED THE MOST STRINGENT STANDARD, BUT
- ARE IN COMPLIANCE WITH REMEDIATION OBJECTIVES

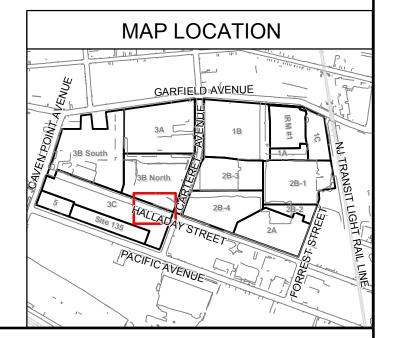
NAPHTHALENE (Naph)

POST-EXCAVATION ELEVATION SURVEY POINT REPRESENTING ◆-3.8 AS-BUILT TERMINAL EXCAVATION ELEVATION (FT NAVD88) CONCEPTUAL POST-EXCAVATION **ELEVATION CONTOUR (1-FOOT** INTERVAL IN FT NAVD88) IN PLACE SHEET PILE

- (AS OF OCTOBER 2017) PRE-REMEDIATION ELEVATION CONTOUR (1-FOOT INTERVAL IN FT NAVD88)
- ---- PROPERTY LINE
- REMOVED SHEET PILE

GRID LAYOUT HALLADAY STREET SOUTH BOUNDARY

Analyte	RDCSRS	NRDCSRS
2-METHYLNAPHTHALENE	230	2400
BENZO(A)ANTHRACENE	5	17
BENZO(A)PYRENE	0.5	2
BENZO(B)FLUORANTHENE	5	17
DIBENZO(A, H)ANTHRACENE	0.5	2
INDENO(1,2,3-CD)PYRENE	5	17
NAPHTHALENE	6	17



HALLADAY STREET SOUTH (COLUMN 20A TO 28A) SAMPLE MAP FOR SELECT PAHs COMPARED TO SOIL REMEDIATION STANDARDS

FIGURE 5-4C