October 15, 2024

- *Engineering*
- *Remediation*
- *Consulting*

Ms. Kristin Koroncai
Acting Section Manager
RCRA Corrective Action South Section
EPA Region III

Via: Electronic Mail

RE: Former NVF Kennett Square Site
Responses to EPA's June 11, 2024 comments on the January 11, 2023 Final Report

Dear Ms. Koroncai:

On behalf of Rockhopper, LLP, Environmental Alliance Inc., a Montrose Environmental Company (Alliance) is providing the attached responses to EPA's June 11, 2024 comments on the January 11, 2023 Remedial Investigation/Cleanup Plan Addendum and Final Report ("Final Report") for the former NVF property in Kennett Square, Pa. Included with these comments is additional information requested by EPA.

Please let us know if you have any questions and if you wish to discuss anything further.

Sincerely,

Environmental Alliance, Inc.

Paul C. Miller, P.E.
Principal Engineer

Enclosure: Responses To Comments and Attachments

c: Will Kassab, EPA Counsel
Deb Goldblum, EPA
Andy Clibanoff, EPA
Ruth Prince, EPA
Kelly Bunker, EPA
David Brown, PADEP
Simon Mullen, Geo-Technology Associates, Inc.
Mike Brown, Lennar
George Beer, Delaware Valley Development Center
Austin Coleman, Catalyst City Development
Claire Boylan, Catalyst City Development
Jonathan Spergel, Manko, Gold, Katcher, and Fox LLP
Joel Bolstein, Fox Rothschild LLP

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Responses to EPA's June 11, 2024, Comments regarding the January 11, 2023 "Remedial Investigation/Cleanup Plan Addendum and Final Report" (Final Report) for the Former NVF Company Facility

Areas Remediated to Less Than 1.0 ppm Total PCBs

Portions of the Property that were remediated to less than 1.0 ppm total PCBs comply with the cleanup levels for high occupancy areas as described in § 761.61(a) of the Regulations. The EPA approves of this approach and has the following comments for a few of the excavations intended to meet that remedial objective:

1. Excavation 11, Figure 15 –
   a. Were boring samples from the concrete pad between the 7.2 ft. and the 5 ft. excavation areas collected? If so, please provide the sample results.
      Response: No samples of the concrete pad or additional borings were collected in this area. The excavation of soil in this area proceeded as described in the Final Report until all post excavation samples reported results less than 1 mg/kg. Thus, no further sampling was completed outside of the areas excavated.
   b. Is that concrete pad still in place?
      Response: The concrete pad is still in place.

2. Excavation 16, Figure 20 –
   a. The figure shows confirmation sample EX16-3E17 at a concentration of 3.8 mg/kg total PCBs. Please confirm that this exceedance of 1 ppm total PCBs was addressed by subsequent phases of Excavation 16 and update the figure accordingly. Please provide sample results, if available.
      Response: Sample EX16-3E17 was a sample collected at 2.6 feet below grade on 9/26/16 and reported a result of 3.8 mg/kg (see Appendix IV of the January 2023 Report). This sample location was subsequently excavated to a depth of 5 feet below grade and base samples were collected at this depth that reported PCBs at less than 1 mg/kg. Figure 20 was revised to remove this data point from the figure (see attached revised Figure 20 for Excavation16 & 17).

3. Excavation 21, Figure 23 –
   a. Please update the description of Excavation 21 removal activities in the text of the Final Report to include a discussion of the different excavation area depths and how they are related to the PCB contamination in that area. The figure is misleading because no confirmation sample results for PCBs at the final depth of 5.5 ft. are presented. The explanation in the Notes portion of the figure should be discussed in the text portion of the Final Report.
      Response: The text relating to Excavation 21 will be updated with the description used in the note of Figure 23. Figure 23 was revised using a dashed line to represent the additional area that was excavated to remediate constituents other than PCBs. Additional notes were added to Figure 23 and will be discussed in the text as follows:
      1. EX-21 was excavated to 4 feet to remediate PCBs, Arsenic, Thallium and Benzo(a)pyrene. For non-PCB constituents, attainment with residential Statewide Health Standards under Act 2 Standards was achieved for all substances, except Benzon(a)pyrene, and for PCBs, attainment with unrestricted TSCA standards (< 1 PPM) was achieved.
      2. EX-21 was further excavated to a depth of 5.5 feet to remediate the benzo(a)pyrene to attain Act 2 residential Statewide Health Standards.
      3. Revised Figure 23 is attached.

4. Excavation 23, Figure 25 –
   a. Please update the description of Excavation 23 removal activities in the text of the Final Report to include a discussion of the different excavation area depths and how they are related to the PCB contamination in that area. The larger 12 ft. EX23 area depicted on the figure does not have any confirmation sample results for the final depth of 12 ft. and the sidewall results are all shallower than 12 ft. bgs, thus it is unclear how this depth was confirmed.

Response: The text will be further clarified. Referring to Appendix IV, the following samples were collected at a 12-foot depth:

EX23-7D11 (0.62 ppm)
EX23-7D12 (<0.046 ppm)
EX23-7D13 (1.6 ppm)
EX23-8D11 (1.4 ppm)
EX23-8D12 (1.1 ppm)
EX23-8D13 (<0.041ppm)

The three samples with PCBs slightly exceeding 1 ppm were excavated and during this work. Sample, locations EX23-7D11 and EX23-D12 (which reported PCBs < 1 ppm) were also excavated as part of this work.

b. The small 15 ft. EX23 area does not have confirmation sample results for the final depth of 15 ft. and the sidewall results are all shallower than 15 ft. bgs, thus it is unclear how this depth was confirmed. Please provide sample results, if available.
Response: This area was excavated to 15 feet based on the data from sample EX23-7D13 (1.6 ppm), which was collected at a depth of 12 feet.

5. Excavation Areas 34, 35, and 37 and Figures 29A-29C –

a. This section and the associated figures are unclear. Figures 29A and 29B depict the confirmation results for removal of greater than 50 mg/kg PCBs for EX34 and EX35, since these two figures contain greater than 1 mg/kg PCBs confirmation results. Then Figure 29C shows the confirmation results for those areas superimposed on EX37, with all three areas excavated to less than or equal to 1 mg/kg PCBs. Provide a narrative explanation and/or revised figures that clarify the confirmation results for these excavation areas.
Response: It is correct that Figures 29A and 29B depict the results confirming the removal of the greater than 50 ppm PCBs for excavations 34 and 35, respectively. The samples > 1 mg/kg total PCBs in each of these areas were removed during the subsequent excavations illustrated on Figure 29C (for Excavations 34, 35 and 37). It is correct that Figure 29C shows the confirmation results for Excavations 34 and 35, with the exception that it only shows data from these excavations that were not excavated and were left in place. The data is depicted this way because of the significant overlap in Excavations 33, 35 and 37 and we wanted it to be clear what samples from Excavations 34 and 35 remained and what samples were excavated. A note will be added to Figure 29C stating: "Excavation 37 removed any remaining soil >1mg/kg total PCBs from former Excavations 34 and 35. The Excavation 37 post excavation samples that were not excavated and were left in place, and the former footprint of Excavations 34 and 35 are illustrated on Figure 29C for ease of reference. " Revised Figure 29C is attached.

6. Excavation Areas 36 and 38 and Figures 30A-B –

a. This section and the associated figures are unclear. Figure 30A depicts the confirmation results for removal of greater than 50 mg/kg PCBs for EX36, since the figure contains greater than 1 mg/kg PCBs confirmation results. Then Figure 30B shows the confirmation results for EX36 superimposed on EX37, with all areas excavated to less than or equal to 1 mg/kg PCBs. Provide a narrative explanation and/or revised figures that clarify the confirmation results for these excavation areas.
Response: It is correct that Figure 30-A depicts the confirmation results for removal of greater than 50 mg/kg PCBs for EX36, which shows some samples >1mg/kg total PCBs. These samples >1mg/kg total PCBs were subsequently removed during Excavation 38. It is correct that Figure 30B shows the confirmation results for EX36 superimposed on EX38 with the exception that it only shows data from EX36 that was not excavated and was left in place. The data is depicted this way because of the significant overlap in Excavations 36 and 38 and we wanted it to be clear what samples from EX-36 remained and what samples were dug out. A note on Figure 30-B was added stating:

"Excavation 38 removed any remaining soil >1mg/kg total PCBs from former Excavation 36. The Excavation 36- post excavation samples that were not excavated and were left in place, and the former footprint of Excavation 36 are illustrated to for ease of reference. "
Revised Figure 30B is attached.

Areas Where Cleanup Objectives Were Not Met

The Final Report describes the three portions of the Property where the remedial action objectives were not met, namely the Railroad Right-Of-Way (ROW), Excavation 39, and the Northeast ROW Along Mulberry Street.

1. Railroad Right-Of-Way -- This area contains soils with greater than 50 ppm total PCBs which reportedly could not be excavated because of the potential for undermining the railroad track and the presence of utility poles.
   a. Figure 40, Railroad ROW Pathway Elimination Remedy, shows very high PCB soil concentrations both at depth (40,000 mg/kg at 5 ft. and 7 ft. bgs) and within the top two ft of soil (2,300 mg/kg at 1 ft. bgs) at the fence line. The EPA will require that soils on the opposite side of the railroad track on the adjacent property be sampled and analyzed for PCBs to ensure that there was no off-site migration of PCB soil contamination to the south.
   Response: Rockhopper purchased the former NVF property, not the former NVF Company. This request appears to ask Rockhopper to investigate for the presence of contamination that was released before Rockhopper purchased the NVF property. Rockhopper should not be responsible for this request to investigate the contamination that is located beyond the boundaries of the former NVF property and was released prior to Rockhopper's ownership of the former NVF Property.
   b. The Notes section on Figure 40 states that the railroad ROW on the southern Property boundary "is approximate (assumed to be 25-feet from center line of tracks)". Please provide evidence to confirm the ROW area.
   Response: Attached is a survey map of the property which shows the "Approx. Railroad R.O.W."
   c. Figure 9 shows that the remaining high concentration locations on the southern border of Excavation 3 are approximately 35 ft. from the railroad. Similarly, the remaining high concentrations on the southern boundary of Excavation 1 appear to be greater than 25 ft. from the center of the tracks. Because these sample locations are outside of the Railroad ROW, explain why the remedial action objectives could not be met at these locations.
   Response: As noted in the report, the excavations were terminated along the southern property boundary because of concerns of encroaching on the railroad right of way, potentially undermining the tracks and/or nearby utility poles. EPA previously confirmed via email dated May 31, 2018 the impracticability to complete further excavation in these areas, that therefore further excavations were not necessary in these areas, and that capping these soils (with institutional controls in the form of an environmental covenant) to prevent future potential exposure was an acceptable solution. (See May 31, 2018, email to Alliance from EPA, attached). Rockhopper has relied on this prior EPA determination, and therefore further remediation in this area at some time in the future should not be required.
   d. In addition to the land use and groundwater restrictions that will be placed on the Railroad ROW, additional provisions must be added to the applicable environmental covenant that will provide for further remediation of the soils within the ROW at such time that the tracks are scheduled for maintenance or are no longer in use. The environmental covenant shall comply with the Pennsylvania Uniform Environmental Covenants Act, 27 Pa. C.S. Sections 6501-6517 (UECA) and be recorded with the deed for the Property.
   Response: Rockhopper purchased the former NVF property, not the former NVF Company. Consistent with Rockhopper's above response, Rockhopper should not be required to undertake remediation of PCB contamination that was released off-site before Rockhopper purchased the NVF property. Rockhopper should not be responsible for this request to perform additional remediation at some point in the future for the portion of the Railroad ROW beyond the boundaries of the former NVF property that was released prior to Rockhopper's ownership of the former NVF Property. For the soil within the ROW that is on the former NVF property, as discussed in the May 31, 2018 email

from EPA, EPA previously determined that it was acceptable for soils in the area to remain in place, capped, and maintained pursuant to an environmental covenant. Rockhopper has relied on this prior EPA determination.

2. Excavation 39 Area – This area contains saturated soils with greater than 50 ppm total PCBs located at depths below the water table. The Final Report proposed capping this area and requiring either vapor mitigation or further vapor intrusion evaluations be conducted for any inhabitable structures planned to be built within a 100-foot radius of the Excavation 39 area.
   a. Other sites across the nation subject to TSCA have been able to remediate PCB contaminated soils at saturated depths. Explain the circumstances that make further excavation/treatment of contaminated saturated soils technically impracticable in this area.
      Response: Considerable effort was expended to excavate soil with greater than 1 ppm PCBs, which included having to remove precipitation accumulation as well as groundwater infiltration from the excavation to excavate to the depths ultimately achieved. Based upon consultation with both EPA and PADEP, it was agreed that it would be acceptable to terminate the excavation without having to excavate saturated soils (see email communications between EPA and Alliance dated June 19, 2020, attached). Rockhopper has relied on this prior EPA determination, and therefore further remediation in this area at some time in the future should not be required.
   b. The environmental covenant shall require that either vapor intrusion mitigation or further vapor intrusion evaluations be completed for any inhabitable structure planned to be built within a 100-foot radius of the Excavation 39 area.
      Response: This is consistent with the discussion in the Final Report and the 100-foot radius area identified on Figure 41.
   c. In addition to the vapor intrusion requirements noted above, leaving the saturated soil contamination in place with capping will require that the environmental covenant include a requirement for long term groundwater monitoring downgradient of the source until the PCB maximum contaminant level (MCL) is attained. Site-wide groundwater monitoring requirements are further discussed below.
      Response: See response to **Groundwater** comment below.

3. Northeast ROW along Mulberry Street – This area contains soils with greater than 1 ppm and less than 50 ppm total PCBs which the Final Reports states could not be excavated due to the presence of a natural gas supply line.
   a. The EPA is requesting more information documenting that the soils with greater than 1 ppm total PCBs in proximity to the pipeline have been removed to the greatest extent possible prior to approving the capping remedy proposed in the Final Report for this area.
      Response: It is unclear what additional documentation EPA is requesting. Significant effort was expended attempting to achieve the RAO in this area. This included hand digging excavations and exposing the natural gas pipeline in certain areas. Further, this area will be utilized for parking as part of the development plans for the Site, which qualifies as a low occupancy area. As such, PCBs in concentrations of up to 100 PPM could be left in place beneath a cap – as noted in the Final Report and above, no PCBs are present in this area at concentrations greater than 50 PPM.

   b. Similar to the Railroad ROW, in addition to the land use and groundwater restrictions that will be placed on the Northeast ROW, the environmental covenant must also provide for further remediation of the soils within the ROW at such time that such remediation can safely occur in this area. The environmental covenant shall comply with the Pennsylvania UECA and be recorded with the deed for the Property.
      Response: This area will be capped and utilized for parking. Thus, this area will qualify as a Low Occupancy area and the environmental covenant for this area will be consistent with the comment below for "Areas Containing PCBs in Soils Greater than 1 ppm and less than 50 ppm". Accordingly, there is no justification for requiring that the environmental covenant include a provision requiring further remediation in the future.

Areas Containing PCBs in Soils Greater than 1 ppm and less than 50 ppm

The soils containing greater than 1 ppm and less than 50 ppm PCBs that were consolidated in the southwest portion of the Property meet the low occupancy area cleanup requirements of § 761.61(a)(4)(i)(B)(3) of the Regulations, provided that the area is: (a) capped with a minimum of 6 inches of concrete or asphalt, and (b) an environmental covenant consistent with § 761.61(a)(8) of the Regulations and the Pennsylvania UECA is recorded on the deed to the Property that requires maintenance of the cap and prohibits the breaching of the cap without the EPA's prior written approval. During our May 22nd conference call, the Property Owner indicated that it is amenable to restricting use within the southwest portion of the Property containing soils with greater than 1 ppm and less than 50 ppm total PCB to low occupancy, as defined by TSCA. As discussed, a parking lot area would meet TSCA's definition for low use occupancy.

However, the proposed green space areas situated above soils possibly containing up to 50 ppm total PCBs that abut residential properties in the proposed redevelopment rendering shared during the May 22nd call would not meet the low occupancy use definition. The EPA, therefore, requires either: (a) further characterization/remediation of these green space areas to ensure that they meet TSCA's high use occupancy definition (i.e., less than 10 ppm total PCBs with an approved cap and protected by the environmental covenant and/or less than 1 ppm total PCBs without a cap); or (b) documentation that the proposed green space areas will be constructed in an alternative manner (i.e. not green space) that meets the low occupancy area cleanup requirements (i.e., capped with a minimum of 6 inches of concrete or asphalt and protected by the environmental covenant).

Response: The development plan for the site will include parking for this entire area. Thus, none of the area will be utilized as High Occupancy.

Groundwater

The EPA understands that future use of groundwater beneath the Property will be prevented through institutional controls. The TSCA program requires groundwater to be restored to its maximum beneficial reuse, which in this instance would be suitable for drinking water. The groundwater data contained in the 2010 Remedial Investigation Report (RI) indicated several exceedances of the total PCB MCL of 0.5 µg/L.

EPA Method 8082, the least accurate method was utilized to analyze for PCBs as part of the RI. Therefore, the EPA is requesting that another round of groundwater sampling from all Property monitoring wells be conducted utilizing EPA Methods 680 (homolog) or 1668 (congener). Low flow sampling is to be utilized, and no filtering of samples will be permitted. A long-term groundwater monitoring program will need to be approved by the EPA and implemented until the EPA provides written approval that monitoring is no longer required.

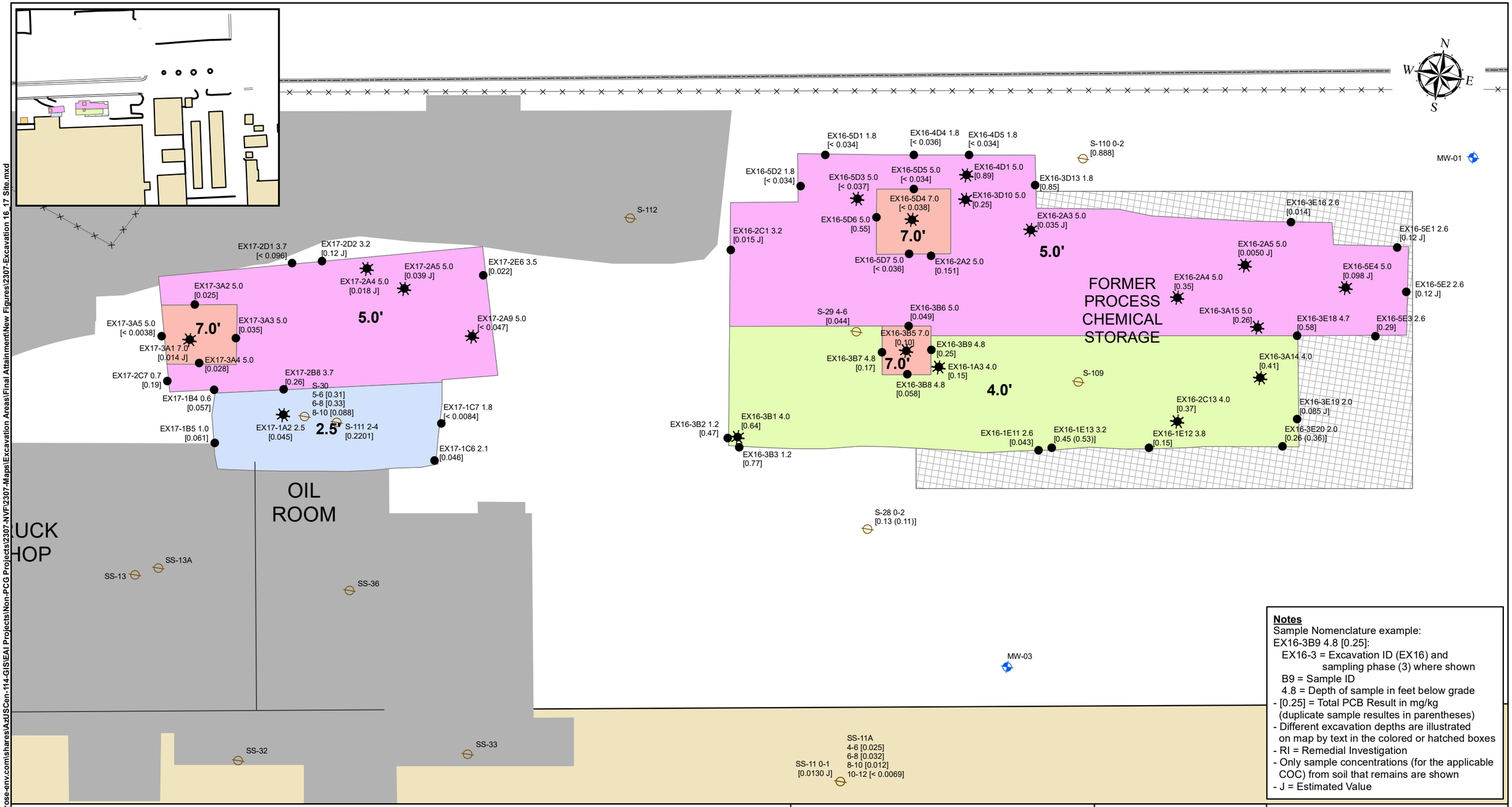
Please share any post-RI groundwater data collected to date, including both PCB and other contaminants.

Response: Attached are data tables with groundwater monitoring data for the Site. Further, a groundwater sampling plan will be presented to EPA to sample all existing on-site wells for PCBs using a congener or homolog method.

Drainage Pathway

Section 2.1 of the Final Report states, "Precipitation infiltrates unpaved soils at the Site, while excess water drains via overland flow and through remaining storm sewers to the outfall 001 where it enters a culverted drainage swale, that flows south toward a west flowing unnamed tributary that drains into the West Branch Red Clay Creek." Since the swale is draining stormwater which could entrain PCB contaminated soils from the Site, the EPA requires that the swale sediment be transect sampled from outfall 001 to its drainage mouth at the unnamed tributary.

Response: A plan to sample the sediments in the swale from the discharge of the culvert to the unnamed tributary will be presented to EPA.



Notes

Sample Nomenclature example:
EX16-3B9 4.8 [0.25]:
EX16-3 = Excavation ID (EX16) and sampling phase (3) where shown
B9 = Sample ID
4.8 = Depth of sample in feet below grade
- [0.25] = Total PCB Result in mg/kg (duplicate sample resultes in parentheses)
- Different excavation depths are illustrated on map by text in the colored or hatched boxes
- RI = Remedial Investigation
- Only sample concentrations (for the applicable COC) from soil that remains are shown
- J = Estimated Value

Legend

- Post Excavation Base Soil Sample Location
- Post Excavation Sidewal Soil Sample Location
- Monitoring Well
- RI Soil Boring
- Direct Push Well / Soil Boring
- Fence
- Interior Wall
- Approx. Site Boundary
- Edge of Pavement
- 2.5-ft Excavation Depth
- 4-ft Excavation Depth
- 5-ft Excavation Depth
- 7-ft Excavation Depth
- Other Excavation Area
- Former Process Chemical Storage
- Former NVF Building

0 10 20
Feet

Source: Howell Kline Surveying, LLC
State of Pennsylvania DOQQ's
NVF Company

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
Phone: (302) 234-4400 - Fax: (302)234-1535

NVF Facility
Kennet Square, PA

EX16 & 17 Final Attainment Soil Sampling Results (PCBs)

DESIGNED BY: CPT	DRAWN BY: CDD	UPDATED BY: ----	FIGURE NO.: 20
APPROVED BY:	PROJECT NO.: 2307	DATE: 7/19/2024	

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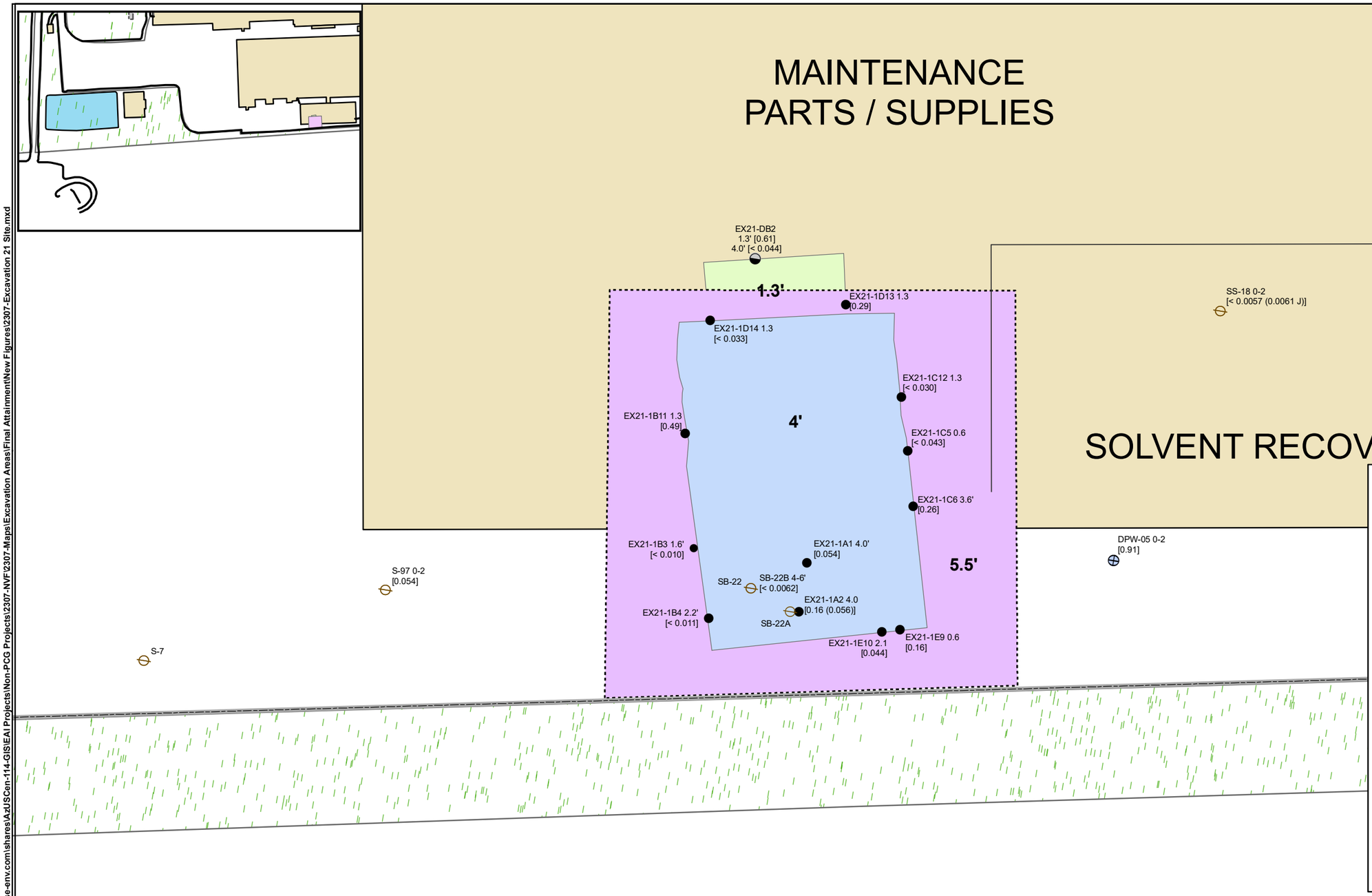

Notes

Sample Nomenclature example:
EX21-3A5 3.8 [0.160]:
EX21-3 = Excavation ID (EX21) and sampling phase (3) where shown
A5 = Sample ID
3.8 = Depth of sample in feet below grade

- [0.160] = Total PCB Result in mg/kg (duplicate sample resultes in parentheses)
- Different excavation depths are illustrated on map by text in the colored or hatched boxes
- RI = Remedial Investigation
- Only sample concentrations (for the applicable COC) from soil that remains are shown
- J = Estimated Value
- EX-21 was dug out to 4-feet as part of PCB, Arsenic, Thallium and Benzo(a)pyrene remediation
- The PCB attainment samples shown were subsequently removed to complete remediation of Benzo(a)pyrene in soil, which required broadening and deepening the excavation to 5.5-feet
- EX-21 was excavated to 4 feet to remediate PCBs, Arsenic, Thallium and Benzo(a)pyrene. For non-PCB constituents, attainment with residential Statewide Health Standards under Act 2 Standards was achieved for all substances, except Benzon(a)pyrene, and for PCBs, attainment with unrestricted TSCA standards (< 1 PPM) was achieved.
- EX-21 was further excavated to a depth of 5.5 feet to remediate the benzo(a)pyrene to attain Act 2 residential Statewide Health Standards.

Legend

- Post Excavation Sidewall Soil Sample Location
- Monitoring Well
- RI Soil Boring
- Direct Push Well / Soil Boring
- Delineation Sample Location
- Interior Wall
- Approx. Site Boundary
- 4-ft Excavation Depth
- 1.3- ft Excavation Depth
- 5.5-ft Excavation Depth
- Former NVF Building
- Vegetation

0 10 20
Feet

Source: Howell Kline Surveying, LLC
State of Pennsylvania DOQQ's
NVF Company

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
Phone: (302) 234-4400 - Fax: (302)234-1535

NVF Facility
Kennet Square, PA

EX21 Final Attainment Soil Sampling Results (PCBs)

DESIGNED BY: CPT	DRAWN BY: CDD	UPDATED BY: ----	FIGURE NO.: 23
APPROVED BY:	PROJECT NO.: 2307	DATE: 10/3/2024	

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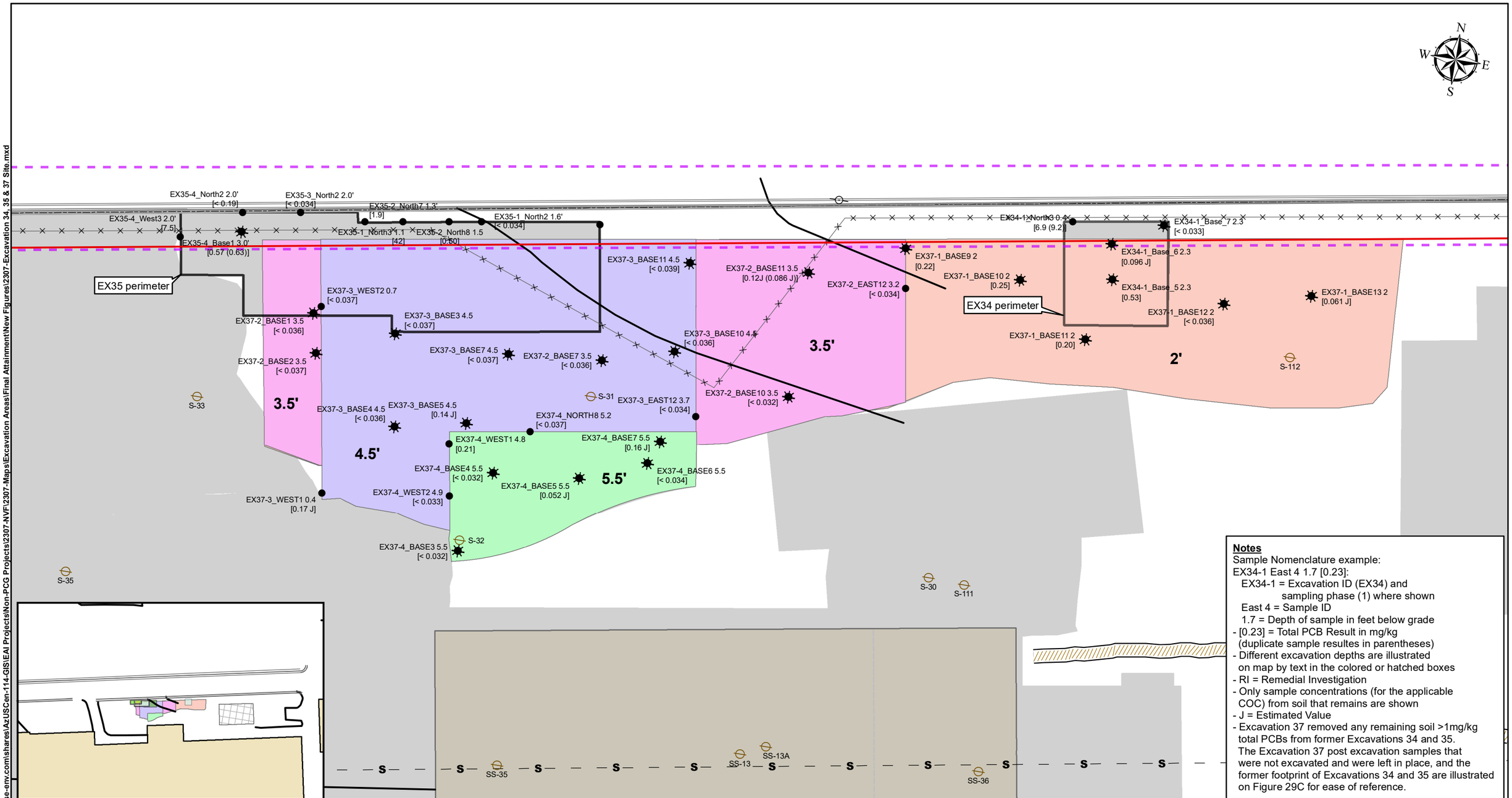

Notes

Sample Nomenclature example:
EX34-1 East 4 1.7 [0.23]:
EX34-1 = Excavation ID (EX34) and sampling phase (1) where shown
East 4 = Sample ID
1.7 = Depth of sample in feet below grade
- [0.23] = Total PCB Result in mg/kg (duplicate sample resultes in parentheses)
- Different excavation depths are illustrated on map by text in the colored or hatched boxes
- RI = Remedial Investigation
- Only sample concentrations (for the applicable COC) from soil that remains are shown
- J = Estimated Value
- Excavation 37 removed any remaining soil >1mg/kg total PCBs from former Excavations 34 and 35. The Excavation 37 post excavation samples that were not excavated and were left in place, and the former footprint of Excavations 34 and 35 are illustrated on Figure 29C for ease of reference.

Legend

- Post Excavation Base Soil Sample Location
- Post Excavation Sidewall Soil Sample Location
- Monitoring Well
- RI Soil Boring
- Direct Push Well (Abandoned/Destroyed)
- Utility Pole
- Wall
- Asphalt Driveway
- Curbing
- ROW
- Storm
- Water
- Fence
- Interior Wall
- Approx. Site Boundary
- Edge of Pavement
- Proposed Mulberry Street ROW Cap Area
- 2.0' Excavation Depth
- 3.5' Excavation Depth
- 4.5' Excavation Depth
- 5.5' Excavation Depth
- Other Excavation Area
- Former NVF Building

0 9 18
Feet

Source: Howell Kline Surveying, LLC
State of Pennsylvania DOQQ's
NVF Company

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
Phone: (302) 234-4400 - Fax: (302)234-1535

NVF Facility
Kennet Square, PA

EX34, 35 & 37 Final Attainment Soil Sampling Results (PCBs)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
CPT	SKJ	---	29C
APPROVED BY:	PROJECT NO.: 2307	DATE: 7/16/2024	

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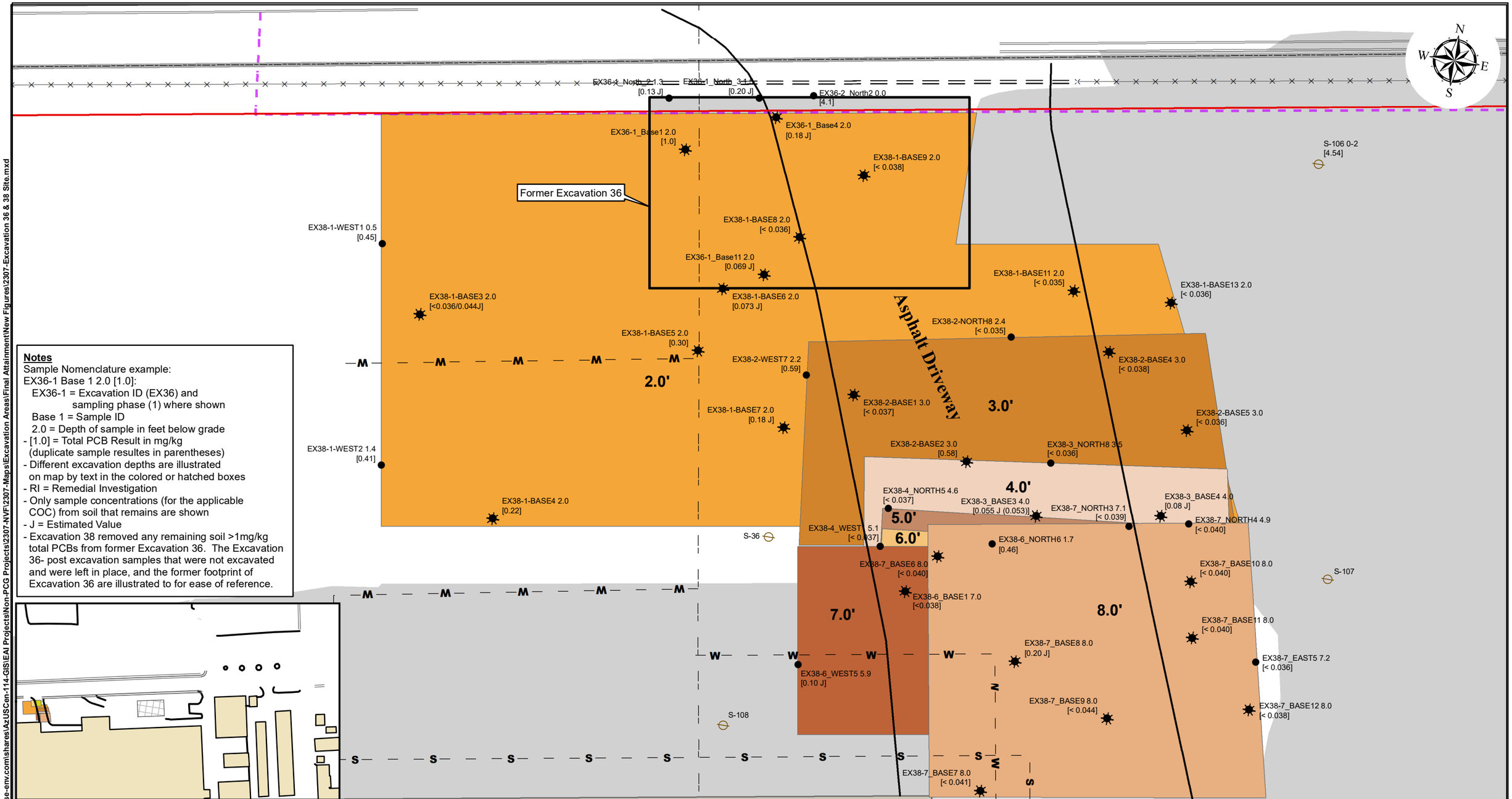

Notes

Sample Nomenclature example:
EX36-1 Base 1 2.0 [1.0]:
EX36-1 = Excavation ID (EX36) and sampling phase (1) where shown
Base 1 = Sample ID
2.0 = Depth of sample in feet below grade
- [1.0] = Total PCB Result in mg/kg (duplicate sample resultes in parentheses)
- Different excavation depths are illustrated on map by text in the colored or hatched boxes
- RI = Remedial Investigation
- Only sample concentrations (for the applicable COC) from soil that remains are shown
- J = Estimated Value
- Excavation 38 removed any remaining soil >1mg/kg total PCBs from former Excavation 36. The Excavation 36- post excavation samples that were not excavated and were left in place, and the former footprint of Excavation 36 are illustrated to for ease of reference.

Legend

- Monitoring Well
- RI Soil Boring
- Direct Push Well (Abandoned/Destroyed)
- Post Excavation Base Soil Sample Location
- Post Excavation Sidewall Soil Sample Location
- Asphalt Driveway
- Curbing
- ROW
- Storm
- Water
- Fence
- Gate
- Approx. Site Boundary
- Edge of Pavement
- Proposed Mulberry Street ROW Cap Area
- Concrete Vault
- Former NVF Building
- 2' Excavation Depth
- 3' Excavation Depth
- 4' Excavation Depth
- 5' Excavation Depth
- 6' Excavation Depth
- 7' Excavation Depth
- 8' Excavation Depth

0 5 10
Feet

Source: Howell Kline Surveying, LLC
State of Pennsylvania DOQQ's
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NVF Facility
Kennet Square, PA

EX36 & 38 Final Attainment Soil Sampling Results (PCBs)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
CPT	SKJ	---	30B
APPROVED BY:	PROJECT NO.: 2307	DATE: 7/16/2024	

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NOTES:

1. PROPERTY KNOWN AS UPI #'S 3-4-167, 3-4-166.2, 3-4-182.3 & 3-4-80 AS IDENTIFIED ON THE TAX MAP OF BOROUGH OF KENNETT SQUARE, CHESTER COUNTY, COMMONWEALTH OF PENNSYLVANIA.

2. AREA (TO TITLE LINE) = 1,136,857 SQUARE FEET OR 26.099 ACRES.
AREA (TO DEDICATED R.O.W. LINE) = 1,124,894 SQUARE FEET OR 25.824 ACRES.

3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.

A QUALITY LEVEL SYSTEM IS UTILIZED TO IDENTIFY THE SOURCE OF THE UNDERGROUND UTILITY INFORMATION. THE METHOD OF DETERMINATION IS BASED ON CONTRACTUAL AGREEMENT WITH THE CLIENT AND IS DEPICTED ON THE SURVEY BY THE LINE TYPES SHOWN IN THE DRAWING LEGEND. FOR REFERENCE, THE QUALITY LEVELS ARE AS FOLLOWS:

QUALITY LEVEL D - UTILITIES SHOWN BASED UPON REFERENCE MAPPING OR ORAL HISTORY. NOT FIELD VERIFIED.

QUALITY LEVEL C - LOCATION OF UTILITY SURFACE FEATURES SUPPLEMENTS REFERENCE MAPPING. INCLUDES MARKOUT BY OTHERS.

QUALITY LEVEL B - UTILITY LOCATION DATA IS COLLECTED THROUGH GEOPHYSICAL SENSING TECHNOLOGY TO SUPPLEMENT SURFACE FEATURES AND OR REFERENCE MAPPING. INCLUDES MARKOUT BY CONTROL POINT ASSOCIATES, INC.

QUALITY LEVEL A - HORIZONTAL AND VERTICAL LOCATION OF UTILITIES ARE OBTAINED USING VACUUM EQUIPMENT EXCAVATION OR OTHER METHODS TO EXPOSE THE UTILITY. LOCATION SHOWN AT SINGLE POINT WHERE EXCAVATION OCCURRED UNLESS UTILITY WAS LOCATED PRIOR TO FILLING.

ALL FOUR TYPES MAY NOT BE PRESENT ON THIS SURVEY.

4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY THE CLIENT, A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC., AND OTHER REFERENCE MATERIAL AS LISTED HEREON.

5. THIS SURVEY IS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY LAND SERVICES USA LLC, AS AGENT FOR STEWART TITLE GUARANTY COMPANY, LLC, COMMITMENT NO. PAST23-4760 K/S, WITH A COMMITMENT DATE OF 11-28-2023. WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B, PART II:

(15) MEMORANDUM OF LEASE AS IN MISCELLANEOUS DEED BOOK 250 PAGE 254. – STORM SEWER LINE AND PRIVATE POWER LINE LOCATED ON SURVEYED PROPERTY, UNABLE TO DETERMINE LOCATION.

(16) MEMORANDUM OF LEASE AS IN MISCELLANEOUS DEED BOOK 250 PAGE 261; MEMORANDUM OF FIRST SUPPLEMENT TO LAND LEASE THERETO AS IN RECORD BOOK 445 PAGE 105. - STORM SEWER LINE AND PRIVATE POWER LINE LOCATED ON SURVEED PROPERTY, UNABLE TO DETERMINE LOCATION.

(17) MEMORANDUM OF EQUIPMENT LEASE AS IN MISCELLANEOUS DEED BOOK 250 PAGE 265. – UNABLE TO DETERMINE, STRUCTURES HAVE BEEN REMOVED.

(18) MEMORANDUM OF PROJECT LEASE AS IN MISCELLANEOUS DEED BOOK 445 PAGE 109. – NOT SURVEY RELATED.

(19) ASSIGNMENT OF LEASE AS IN MISCELLANEOUS DEED BOOK 445 PAGE 114. – NOT SURVEY RELATED.

(20) RIGHT OF WAY GRANTED TO CHESTER COUNTY LIGHT AND POWER COMPANY AS IN MISCELLANEOUS DEED BOOK 91 PAGE 242. – UNABLE TO DETERMINE LOCATION.

(21) RIGHT OF WAY GRANTED TO CHESTER COUNTY LIGHT AND POWER COMPANY AS IN MISCELLANEOUS DEED BOOK 93 PAGE 177. – LOCATED ON SURVEYED PROPERTY, SHOWN.

(22) RIGHT OF WAY GRANTED TO THE BOROUGH OF KENNETT SQUARE AS IN MISCELLANEOUS DEED BOOK 92 PAGE 271. – LOCATED ON SURVEYED PROPERTY.

(23) RIGHT OF WAY GRANTED TO PHILADELPHIA ELECTRIC COMPANY AS IN MISCELLANEOUS DEED BOOK 329 PAGE 129. – NOT LOCATED ON SURVEYED PROPERTY.

(24) RIGHT OF WAY GRANTED TO PHILADELPHIA ELECTRIC COMPANY AS IN RECORD BOOK 2349 PAGE 153. – LOCATED ON SURVEYED PROPERTY, BLANKET IN NATURE.

(25) RIGHT OF WAY GRANTED TO BELL ATLANTIC - PENNSYLVANIA, INC. AS IN RECORD BOOK 4970 PAGE 16. – LOCATED ON SURVEYED PROPERTY, SHOWN.

(26) NOTICE OF CONSENT ORDER AS IN RECORD BOOK 4886 PAGE 374. – NOT SURVEY RELATED.

(27) DECLARATION OF RESTRICTIONS (DELETING THEREFROM ANY RESTRICTIONS INDICATING ANY PREFERENCE LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN) AS IN RECORD BOOK 6162 PAGE 1772. – LOCATED ON SURVEYED PROPERTY, NOT PLOTTABLE.

(28) PUBLIC AND PRIVATE RIGHTS IN AND TO THAT PORTION OF THE PREMISES LYING IN THE BEDS OF SOUTH WEST STREET, WEST SOUTH STREET, SOUTH WASHINGTON STREET, WEST MULBERRY STREET, LAFAYETTE STREET AND CHESTNUT ALLEY.

(29) PREMISES IS BOUNDED BY LANDS OF PHILADELPHIA-BALTIMORE BRANCH OF SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY; SUBJECT TO RIGHTS OF SAID COMPANY, HOWEVER ACQUIRED, INCLUDING RIGHTS TO ELEVATE AND/OR DEPRESS ITS TRACKS.

(30) AGREEMENTS WITH THE PHILADELPHIA AND BALTIMORE CENTRAL RAILROAD TRACKS AS IN MISCELLANEOUS DEED BOOK 15 PAGE 388. – UNABLE TO DETERMINE LOCATION OF COAL SHED PER RECORDED DOCUMENT.

(31) AGREEMENTS WITH THE PHILADELPHIA AND BALTIMORE CENTRAL RAILROAD TRACKS AS IN MISCELLANEOUS DEED BOOK 16 PAGE 351. - RAILROAD RIGHT-OF-WAY, SHOWN.

(32) THAT PORTION OF THE PREMISES LYING IN THE BED OF PHILADELPHIA-BALTIMORE BRANCH OF SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY IS EXCEPTED FROM THIS INSURANCE.

(33) RIGHT OF WAY GRANTED TO THE BELL TELEPHONE COMPANY OF PENNSYLVANIA AS IN MISCELLANEOUS BOOK 278 PAGE 335. – LOCATED ON SURVEYED PROPERTY, BLANKET IN NATURE.

(34) EASEMENT AGREEMENT TO KENNETT SQUARE BOROUGH FOR SEWER PURPOSES IN RECORD BOOK 1572 PAGE 83. – LOCATED ON SURVEYED PROPERTY, SHOWN.

(35) DEED OF DEDICATION TO KENNETT SQUARE BOROUGH FOR WEST MULBERRY STREET IN RECORD BOOK 10297 PAGE 1528. – WEST MULBERRY STREET RIGHT-OF-WAY LINE SHOWN.

(36) CONDITIONS, IF ANY, AS SHOWN ON PLAN #3698. – LOCATED ON SURVEYED PROPERTY, SHOWN.

6. EXISTING FIRM: BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN.) PER MAP REF #2.

7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.

8. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
TEMPORARY BENCH MARKS SET:
TBM-A: MAG NAIL SET IN ASPHALT, ELEVATION= 281.44' (SEE SHEET 2)
TBM-B: MAG NAIL SET IN ASPHALT, ELEVATION= 305.24' (SEE SHEET 3)
TBM-C: MAG NAIL SET IN CONC CURB, ELEVATION= 287.30' (SEE SHEET 4)

PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.

9. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

10. NO DESIGNATED PARKING SPACES OBSERVED AT TIME OF SURVEY.

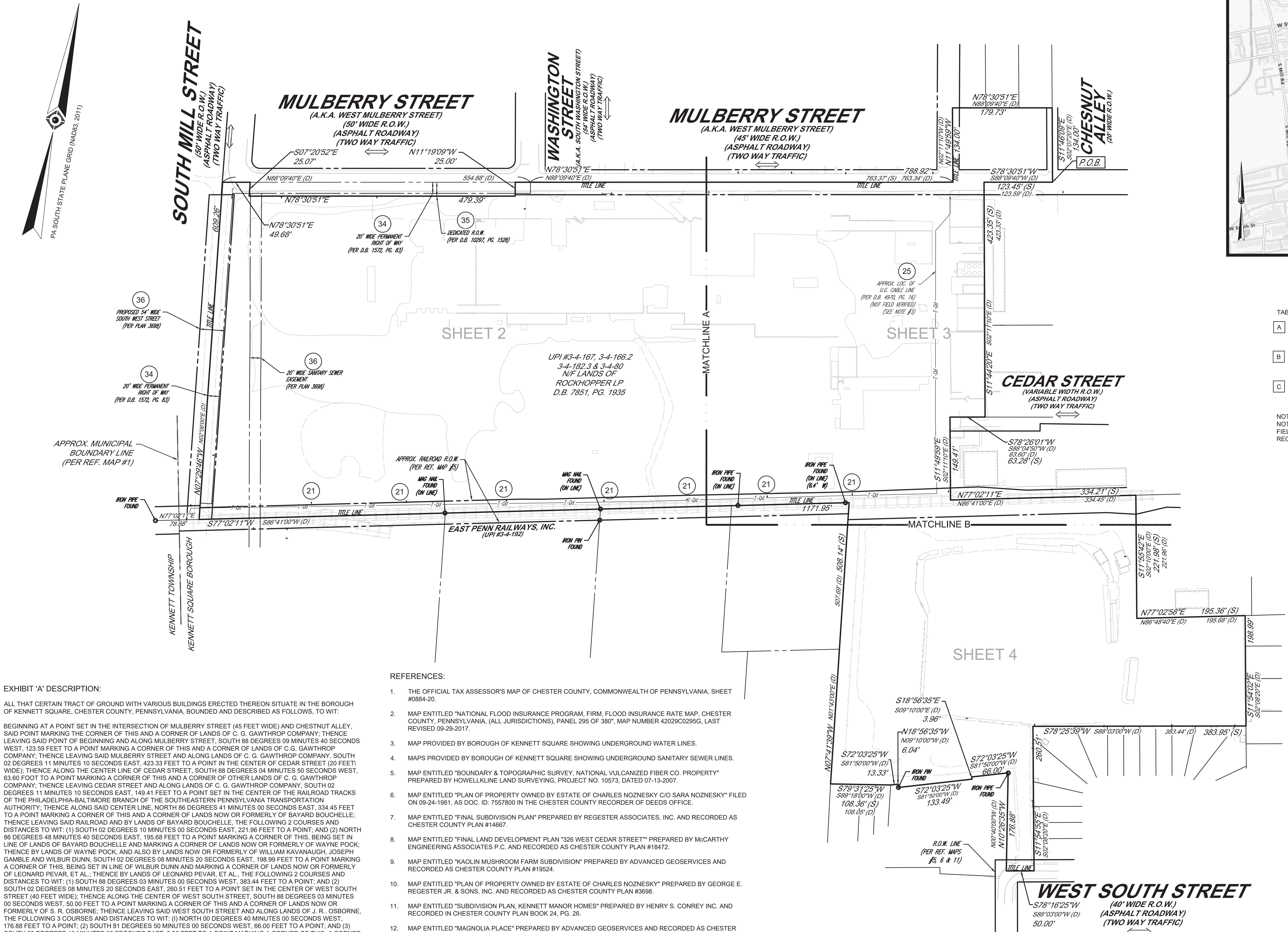
11. BUILDING DIMENSIONS SHOWN HEREON ARE MEASURED AT GROUND LEVEL OF BUILDING EXTERIOR.

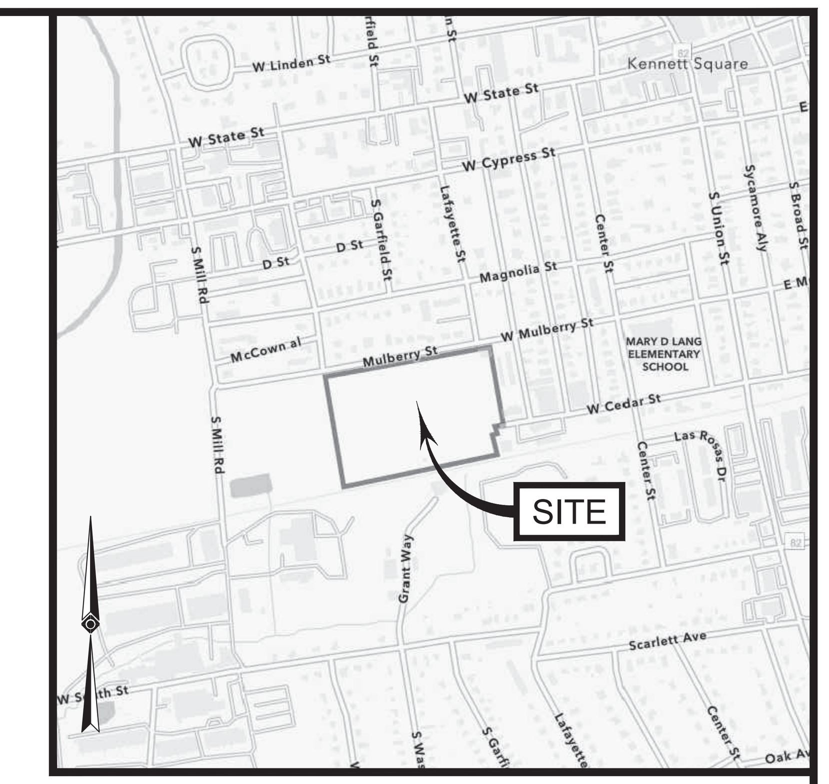
12. A ZONING REPORT WAS NOT PROVIDED AT TIME OF SURVEY.

13. PLANIMETRIC AND TOPOGRAPHIC FEATURES COMPILED BY CONTROL POINT ASSOCIATES, INC. UTILIZING PHOTOGRAMMETRIC METHODS FROM UAS DATA COLLECTED ON 12/12/2023. THE DATA SET ADHERES TO THE AMERICAN SOCIETY OF PHOTOGRAMMETRY AND REMOTE SENSING (ASPRS) STANDARDS, SPECIFICALLY MEETING THE CLASS I STANDARD FOR HORIZONTAL ACCURACY OF DIGITAL PLANIMETRIC DATA AND THE CLASS II STANDARD FOR VERTICAL ACCURACY OF DIGITAL ELEVATION DATA. SUPPLEMENTAL GROUND SURVEY PERFORMED ON 12-15-2023 TO AUGMENT UAS DATA.

14. SUPPLEMENTAL TOPOGRAPHIC FEATURES IN VEGETATED AREAS COMPILED BY CONTROL POINT ASSOCIATES, INC. UTILIZING LIDAR METHODS FROM UAS DATA COLLECTED ON 12-12-2023. THE DATA SET ADHERES TO THE AMERICAN SOCIETY OF PHOTOGRAMMETRY AND REMOTE SENSING (ASPRS) STANDARDS, SPECIFICALLY MEETING THE CLASS III STANDARD FOR VERTICAL ACCURACY OF DIGITAL ELEVATION DATA.

CONTROL POINT ASSOCIATES, INC.- ALL RIGHTS RESERVED.
THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF CONTROL POINT ASSOCIATES, INC., IS PROHIBITED.





VICINITY MAP
NOT TO SCALE

TABLE OF SIGNIFICANT OBSERVATIONS

A	FRAME SHEDS EXTENDING ONTO SURVEYED PROPERTY FROM PROPERTY ADJACENT TO THE EAST. (SEE SHEET 3)
B	FRAME SHEDS EXTENDING ONTO SURVEYED PROPERTY FROM PROPERTY ADJACENT TO THE EAST. (SEE SHEET 4)
C	6' CLF EXTENDING ONTO SURVEYED PROPERTY FROM PROPERTY ADJACENT TO THE SOUTH. (SEE SHEET 2)

NOTE: THESE ARE THE SIGNIFICANT OBSERVATIONS NOTED DURING THE PROCESS OF CONDUCTING THE FIELD WORK. THERE MAY BE OTHERS NOT RECOGNIZED BY THE SURVEYOR.

EXHIBIT 'A' DESCRIPTION:

ALL THAT CERTAIN TRACT OF GROUND WITH VARIOUS BUILDINGS ERECTED THEREON SITUATE IN THE BOROUGH OF KENNETT SQUARE, CHESTER COUNTY, PENNSYLVANIA, BOUNDED AND DESCRIBED AS FOLLOWS, TO WIT:

BEGINNING AT A POINT SET IN THE INTERSECTION OF MULBERRY STREET (45 FEET WIDE) AND CHESTNUT ALLEY, SAID POINT MARKING THE CORNER OF THIS AND A CORNER OF LANDS OF C. G. GAWTHROP COMPANY; THENCE LEAVING SAID POINT OF BEGINNING AND ALONG MULBERRY STREET, SOUTH 88 DEGREES 09 MINUTES 40 SECONDS WEST, 123.59 FEET TO A POINT MARKING A CORNER OF THIS AND A CORNER OF LANDS OF C.G. GAWTHROP COMPANY; THENCE LEAVING SAID MULBERRY STREET AND ALONG LANDS OF C. G. GAWTHROP COMPANY, SOUTH 02 DEGREES 11 MINUTES 10 SECONDS EAST, 423.33 FEET TO A POINT IN THE CENTER OF CEDAR STREET (20 FEET\ WIDE); THENCE ALONG THE CENTER LINE OF CEDAR STREET, SOUTH 88 DEGREES 04 MINUTES 50 SECONDS WEST, 63.60 FOOT TO A POINT MARKING A CORNER OF THIS AND A CORNER OF OTHER LANDS OF C. G. GAWTHROP COMPANY; THENCE LEAVING CEDAR STREET AND ALONG LANDS OF C. G. GAWTHROP COMPANY, SOUTH 02 DEGREES 11 MINUTES 10 SECONDS EAST, 149.41 FEET TO A POINT SET IN THE CENTER OF THE RAILROAD TRACKS OF THE PHILADELPHIA-BALTIMORE BRANCH OF THE SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY; THENCE ALONG SAID CENTER LINE, NORTH 86 DEGREES 41 MINUTES 00 SECONDS EAST, 334.45 FEET TO A POINT MARKING A CORNER OF THIS AND A CORNER OF LANDS NOW OR FORMERLY OF BAYARD BOUCHELLE; THENCE LEAVING SAID RAILROAD AND BY LANDS OF BAYARD BOUCHELLE, THE FOLLOWING 2 COURSES AND DISTANCES TO WIT: (1) SOUTH 02 DEGREES 10 MINUTES 00 SECONDS EAST, 221.96 FEET TO A POINT; AND (2) NORTH 86 DEGREES 48 MINUTES 40 SECONDS EAST, 195.68 FEET TO A POINT MARKING A CORNER OF THIS, BEING SET IN LINE OF LANDS OF BAYARD BOUCHELLE AND MARKING A CORNER OF LANDS NOW OR FORMERLY OF WAYNE POCK; THENCE BY LANDS OF WAYNE POCK, AND ALSO BY LANDS NOW OR FORMERLY OF WILLIAM KAVANAUGH, JOSEPH GAMBLE AND WILBUR DUNN, SOUTH 02 DEGREES 08 MINUTES 20 SECONDS EAST, 198.99 FEET TO A POINT MARKING A CORNER OF THIS, BEING SET IN LINE OF WILBUR DUNN AND MARKING A CORNER OF LANDS NOW OR FORMERLY OF LEONARD PEVAR, ET AL.; THENCE BY LANDS OF LEONARD PEVAR, ET AL., THE FOLLOWING 2 COURSES AND DISTANCES TO WIT: (1) SOUTH 88 DEGREES 03 MINUTES 00 SECONDS WEST, 383.44 FEET TO A POINT; AND (2) SOUTH 02 DEGREES 08 MINUTES 20 SECONDS EAST, 260.51 FEET TO A POINT SET IN THE CENTER OF WEST SOUTH STREET (40 FEET WIDE); THENCE ALONG THE CENTER OF WEST SOUTH STREET, SOUTH 88 DEGREES 03 MINUTES 00 SECONDS WEST, 50.00 FEET TO A POINT MARKING A CORNER OF THIS AND A CORNER OF LANDS NOW OR FORMERLY OF S. R. OSBORNE; THENCE LEAVING SAID WEST SOUTH STREET AND ALONG LANDS OF J. R.. OSBORNE, THE FOLLOWING 3 COURSES AND DISTANCES TO WIT: (I) NORTH 00 DEGREES 40 MINUTES 00 SECONDS WEST, 176.88 FEET TO A POINT; (2) SOUTH 81 DEGREES 50 MINUTES 00 SECONDS WEST, 66.00 FEET TO A POINT; AND (3) SOUTH 09 DEGREES 10 MINUTES 00 SECONDS EAST, 3.96 FEET TO A POINT MARKING A CORNER OF THIS, A CORNER OF LANDS OF J. R. OSBORNE, AND A CORNER OF LANDS NOW OR FORMERLY OF J. B. SWAYNE; THENCE ALONG LANDS OF J. B. SWAYNE, THE FOLLOWING 3 COURSES AND DISTANCES TO WIT: (1) SOUTH 81 DEGREES 50 MINUTES 00 SECONDS WEST, 133.49 FEET TO A POINT; (2) NORTH 09 DEGREES 10 MINUTES 00 SECONDS WEST, 6.04 FEET TO A POINT; AND (3) SOUTH 81 DEGREES 50 MINUTES 00 SECONDS WEST, 13.33 FEET TO A POINT MARKING A CORNER OF THIS, A CORNER OF J. B. SWAYNE AND A CORNER OF LANDS NOW OR FORMERLY OF MARY WENTZEL; THENCE BY LANDS OF MARY WENTZEL AND ALSO BY LANDS NOW OR FORMERLY OF ELIZABETH WELSH AND VINCENT ANDERSON, SOUTH 89 DEGREES 18 MINUTES 00 SECONDS WEST, 108.05 FEET TO A POINT MARKING A CORNER OF THIS, A CORNER OF VINCENT ANDERSON AND BEING SET IN LINE OF LANDS NOW OR FORMERLY OF DAYTON CORNETTE; THENCE BY LANDS OF DAYTON CORVETTE AND ALSO BY OTHER LANDS NOW OR FORMERLY OF J. B. SWAYNE, NORTH 01 DEGREES 43 MINUTES 00 SECONDS EAST, 507.69 FEET TO A POINT SET IN THE CENTER OF THE RAILROAD TRACKS OF THE PHILADELPHIA-BALTIMORE BRANCH OF THE SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY, AFOREMENTIONED; THENCE ALONG SAID TRACT, SOUTH 86 DEGREES 41 MINUTES 00 SECONDS WEST, 1171.95 FEET TO A POINT MARKING A CORNER OF THIS AND A CORNER OF LANDS OF THE ESTATE OF CHARLES NOZNOSKY, SAID POINT ALSO BEING SET IN THE CENTER LINE OF THE PROPOSED FUTURE LOCATION OF SOUTH WEST STREET; THENCE LEAVING SAID RAILROAD AND ALONG THE CENTER OF PROPOSED STREET, NORTH 02 DEGREES 06 MINUTES 00 SECONDS EAST, 609.26 FEET TO A POINT SET IN THE CENTER OF THE PROPOSED LOCATION OF MULBERRY STREET (EXTENDED); THENCE ALONG THE CENTER OF THE PROPOSED STREET, NORTH 88 DEGREES 09 MINUTES 40 SECONDS EAST, 554.88 FEET TO A POINT SET IN THE CENTER OF MULBERRY STREET (EXISTING) AND THE CENTER OF WASHINGTON STREET; THENCE CONTINUING ALONG SAID MULBERRY STREET (EXISTING), NORTH 88 DEGREES 09 MINUTES 40 SECONDS EAST, 763.34 FEET TO A POINT SET IN THE INTERSECTION OF MULBERRY STREET AND LAFAYETTE STREET (40 FEET WIDE); THENCE ALONG LAFAYETTE STREET, NORTH 02 DEGREES 11 MINUTES 10 SECONDS WEST, 134.00 FEET TO A POINT MARKING A CORNER OF THIS AND A CORNER OF LANDS NOW OR FORMERLY OF H. J. GAWTHROP; THENCE LEAVING SAID LAFAYETTE STREET AND ALONG LANDS OF H. J. GAWTHROP AND ALSO BY LANDS NOW OR FORMERLY OF FRANCES TWOMYDIO, NORTH 88 DEGREES 09 MINUTES 40 SECONDS EAST, 179.73 FEET TO A POINT SET IN THE CENTER OF CHESTNUT ALLEY, AFOREMENTIONED; THENCE ALONG SAID ALLEY, SOUTH 02 DEGREES 07 MINUTES 20 SECONDS EAST, 134.00 FEET TO A POINT SET IN THE INTERSECTION OF CHESTNUT ALLEY AND MULBERRY STREET, AFOREMENTIONED, BEING THE FIRST MENTIONED POINT AND PLACE OF BEGINNING.

CONTAINING 26.13 ACRES OF LAND, BE THE SAME, MORE OR LESS.

BEING TAX PARCEL NOS. 3-4-80; 3-4-166.2; 3-4-167 AND 3-4-182.3.

BEING THE SAME PREMISES WHICH GEORGE L. MILLER, CHAPTER 7 TRUSTEE OF THE NVF COMPANY, PURSUANT TO CHAPTER 7 BANKRUPTCY CASE #09-11293 FILED IN THE UNITED STATES BANKRUPTCY COURT FOR THE DISTRICT OF DELAWARE BY DEED DATED 1/15/2010 AND RECORDED 1/20/2010 IN THE COUNTY OF CHESTER IN RECORD BOOK 7851 PAGE 1935, CONVEYED UNTO ROCKHOPPER LP, A PENNSYLVANIA LIMITED PARTNERSHIP, IN FEE.

REFERENCES:

1. THE OFFICIAL TAX ASSESSOR'S MAP OF CHESTER COUNTY, COMMONWEALTH OF PENNSYLVANIA, SHEET #0884-20.

2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CHESTER COUNTY, PENNSYLVANIA, (ALL JURISDICTIONS), PANEL 295 OF 380", MAP NUMBER 42029C0295G, LAST REVISED 09-29-2017.

3. MAP PROVIDED BY BOROUGH OF KENNETT SQUARE SHOWING UNDERGROUND WATER LINES.

4. MAPS PROVIDED BY BOROUGH OF KENNETT SQUARE SHOWING UNDERGROUND SANITARY SEWER LINES.

5. MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY, NATIONAL VULCANIZED FIBER CO. PROPERTY" PREPARED BY HOWELLKLINE LAND SURVEYING, PROJECT NO. 10573, DATED 07-13-2007.

6. MAP ENTITLED "PLAN OF PROPERTY OWNED BY ESTATE OF CHARLES NOZNESKY C/O SARA NOZNESKY" FILED ON 09-24-1981, AS DOC. ID: 7557800 IN THE CHESTER COUNTY RECORDER OF DEEDS OFFICE.

7. MAP ENTITLED "FINAL SUBDIVISION PLAN" PREPARED BY REGESTER ASSOCIATES, INC. AND RECORDED AS CHESTER COUNTY PLAN #14667.

8. MAP ENTITLED "FINAL LAND DEVELOPMENT PLAN "326 WEST CEDAR STREET"" PREPARED BY McCARTHY ENGINEERING ASSOCIATES P.C. AND RECORDED AS CHESTER COUNTY PLAN #18472.

9. MAP ENTITLED "KAOLIN MUSHROOM FARM SUBDIVISION" PREPARED BY ADVANCED GEOSERVICES AND RECORDED AS CHESTER COUNTY PLAN #19524.

10. MAP ENTITLED "PLAN OF PROPERTY OWNED BY ESTATE OF CHARLES NOZNESKY" PREPARED BY GEORGE E. REGESTER JR. & SONS, INC. AND RECORDED AS CHESTER COUNTY PLAN #3698.

11. MAP ENTITLED "SUBDIVISION PLAN, KENNETT MANOR HOMES" PREPARED BY HENRY S. CONREY INC. AND RECORDED IN CHESTER COUNTY PLAN BOOK 24, PG. 26.

12. MAP ENTITLED "MAGNOLIA PLACE" PREPARED BY ADVANCED GEOSERVICES AND RECORDED AS CHESTER COUNTY PLAN #19367.

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY PENNSYLVANIA ONE CALL SYSTEM, INC. (1-800-242-1776) AND REQUESTED INFORMATION REGARDING THE LOCATION OF UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST. SERIAL NUMBER(S): 20233453228, 20233453229 & 20233453240

UTILITY COMPANY	PHONE NUMBER
CHESTER WATER AUTHORITY	717-529-2244 EXT. 4350
CHESTER WATER AUTHORITY	610-506-0441 EXT. 2232
COMCAST	484-368-4391
PECO AN EXELON COMPANY C/O USIC	484-681-5720
BOROUGH OF KENNETT SQUARE	610-444-6020
VERIZON BUSINESS FORMERLY MCI	919-414-2782

CALL811.COM
1-800-242-1776
STOP - CALL BEFORE YOU DIG!

THE COMMONWEALTH OF PENNSYLVANIA REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

THIS SURVEY IS CERTIFIED TO:
ROCKHOPPER, LP
LAND SERVICES USA, LLC
STEWART TITLE GUARANTY COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE "2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 6(a), 6(b), 7(a), 7(b)1, 7(c), 8, 9, 11(a) & 13 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 12-15-2023.

NOT VALID UNLESS SEALED IN RED INK

JAMES C. WEED
PENNSYLVANIA PROFESSIONAL LAND SURVEYOR #75250

01-05-2024
DATE

FIELD DATE	ALTA/NSPS LAND TITLE SURVEY
12-15-2023	ROCKHOPPER, LP
FIELD BOOK NO. 11-07	395 LAFAYETTE STREET & 400 MULBERRY STREET UPI #'S 3-4-167, 3-4-166.2, 3-4-182.3 & 3-4-80
FIELD BOOK PG. 17-20	KENNETT SQUARE BOROUGH, CHESTER COUNTY COMMONWEALTH OF PENNSYLVANIA
FIELD CREW A.B.	CONTROL POINT ASSOCIATES, INC. NEW BRITAIN CORPORATE CENTER 1600 MANOR DRIVE, SUITE 210 CHALFONT, PA 18914 215.712.9800 - 215.712.9802 FAX WWW.CPASURVEY.COM
DRAWN: P.V.	WARREN, NJ 908.668.0099 MT. LAUREL, NJ 609.857.2099 MANHATTAN, NY 646.780.0411 LONG ISLAND, NY 631.580.2645 SOUTHBOROUGH, MA 508.948.3000 ALBANY, NY 518.217.5010 ROCHESTER, NY 585.250.1764 GEORGETOWN, DE 302.295.1010 PHILADELPHIA, PA 215.712.9800 HUDSON VALLEY, NY 845.691.7339 FT. LAUDERDALE, FL 954.763.7611

REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
M.C.B.	J.A.A./J.C.W.	01-05-2024	1"=40'	02-230261-00	1 OF 4

LEGEND

124 / 125	EXISTING CONTOUR
× 123.45	EXISTING SPOT ELEVATION
× TC 123.45	EXIST. TOP OF CURB ELEVATION
× BC 122.95	EXIST. BOTTOM OF CURB ELEVATION
× TW 123.45	EXIST. TOP OF WALL ELEVATION
× BW 122.95	EXIST. BOTTOM OF WALL ELEVATION
OH	OVERHEAD WIRES
D	APPROX. LOC. UNDERGROUND DRAINAGE LINE
S	APPROX. LOC. UNDERGROUND SANITARY LINE
W	APPROX. LOC. UNDERGROUND WATER LINE
-Qd	SUBSURFACE UTILITY QUALITY LEVEL D
	DEPRESSED CURB
	HYDRANT
	DRAINAGE/STORM MANHOLE
	SANITARY/SEWER MANHOLE
	UNKNOWN MANHOLE
	WATER MANHOLE
	CATCH BASINS
	WATER VALVE
	UTILITY POLE
	UTILITY POLE/LIGHT POLE/SOLAR PANEL
	METAL COVERS
	SIGN
	AREA LIGHT
	LAMP
CLF	CHAIN LINK FENCE
DC	DEPRESSED CURB
DYL	DOUBLE YELLOW LINE
EOC	EDGE OF CONC.
EOG	EDGE OF GRAVEL
EOP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
MC	METAL COVER
TYP	TYPICAL
BOS	BOTTOM OF STRUCTURE
NVP	NO VISIBLE PIPE
UTO	UNABLE TO OPEN
UNOBT	UNOBTAINABLE
FWW	FILLED WITH WATER
FWD	FILLED WITH DEBRIS

CONTROL POINT ASSOCIATES, INC.- ALL RIGHTS RESERVED.
THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, FOR OTHER THAN THE ORIGINAL PROJECT OR THE PURPOSE ORIGINALLY INTENDED, WITHOUT THE WRITTEN PERMISSION OF CONTROL POINT ASSOCIATES, INC., IS PROHIBITED.

UTILITIES:

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SERIAL NUMBER(S): 20233453228, 20233453229 & 20233453240

UTILITY COMPANY	PHONE NUMBER
CHESTER WATER AUTHORITY	717-529-2244 EXT. 4350
CHESTER WATER AUTHORITY	610-506-0441 EXT. 2232
COMCAST	484-368-4391
PECO AN EXELON COMPANY C/O USIC	484-681-5720
BOROUGH OF KENNETT SQUARE	610-444-6020
VERIZON BUSINESS FORMERLY MCI	919-414-2782

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SEE SHEET 1 OF 4 FOR NOTES AND REFERENCES

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

THIS SURVEY IS CERTIFIED TO:
ROCKHOPPER, LP
LAND SERVICES USA, LLC
STEWART TITLE GUARANTY COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE "2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS", JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 6(a), 6(b), 7(a), 7(b)1, 7(c), 8, 9, 11(a) & 13 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 12-15-2023.

NOT VALID UNLESS SEALED IN RED INK

JAMES C. WEED
PENNSYLVANIA PROFESSIONAL LAND SURVEYOR #75250

01-05-2024
DATE

FIELD DATE: 12-15-2023
FIELD BOOK NO.: 11-07
FIELD BOOK PG.: 17-20
FIELD CREW: A.B.
DRAWN: P.V.

ALTA/NSPS LAND TITLE SURVEY

ROCKHOPPER, LP

395 LAFAYETTE STREET & 400 MULBERRY STREET
UPI #'S 3-4-167, 3-4-166.2, 3-4-182.3 & 3-4-80
KENNETT SQUARE BOROUGH, CHESTER COUNTY
COMMONWEALTH OF PENNSYLVANIA

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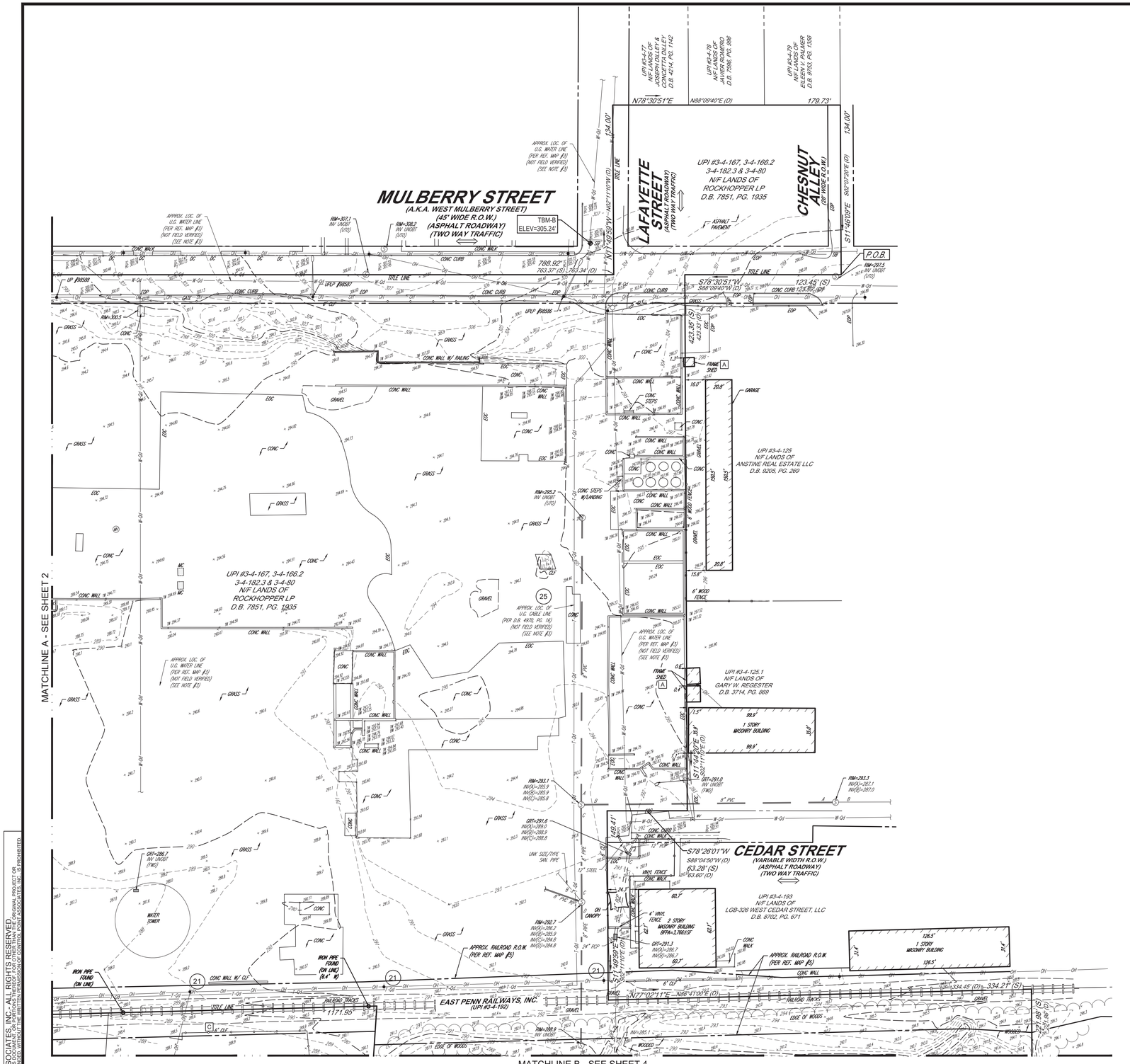
REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
M.C.B.	J.A.A./J.C.W.	01-05-2024	1"=40'	02-230261-00	2 OF 4



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LEGEND

124 / 125	EXISTING CONTOUR
× 123.45	EXISTING SPOT ELEVATION
× TC 123.45	EXIST. TOP OF CURB ELEVATION
× BC 122.95	EXIST. BOTTOM OF CURB ELEVATION
× TW 123.45	EXIST. TOP OF WALL ELEVATION
× BW 122.95	EXIST. BOTTOM OF WALL ELEVATION
OH	OVERHEAD WIRES
D	APPROX. LOC. UNDERGROUND DRAINAGE LINE
S	APPROX. LOC. UNDERGROUND SANITARY LINE
W	APPROX. LOC. UNDERGROUND WATER LINE
QL	SUBSURFACE UTILITY QUALITY LEVEL D
	DEPRESSED CURB
	HYDRANT
	DRAINAGE/STORM MANHOLE
	SANITARY/SEWER MANHOLE
	UNKNOWN MANHOLE
	WATER MANHOLE
	CATCH BASINS
	WATER VALVE
	UTILITY POLE
	UTILITY POLE/LIGHT POLE/SOLAR PANEL
	METAL COVERS
	SIGN
	AREA LIGHT
	LAMP
CLF	CHAIN LINK FENCE
DC	DEPRESSED CURB
DYL	DOUBLE YELLOW LINE
EOC	EDGE OF CONC.
EOG	EDGE OF GRAVEL
EOP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
MC	METAL COVER
TYP	TYPICAL
BOS	BOTTOM OF STRUCTURE
NVP	NO VISIBLE PIPE
UTO	UNABLE TO OPEN
UNOBT	UNOBTAINABLE
FWW	FILLED WITH WATER
FWD	FILLED WITH DEBRIS

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REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
M.C.B.	J.A.A./J.C.W.	01-05-2024	1"=40'	02-230261-00	3 OF 4

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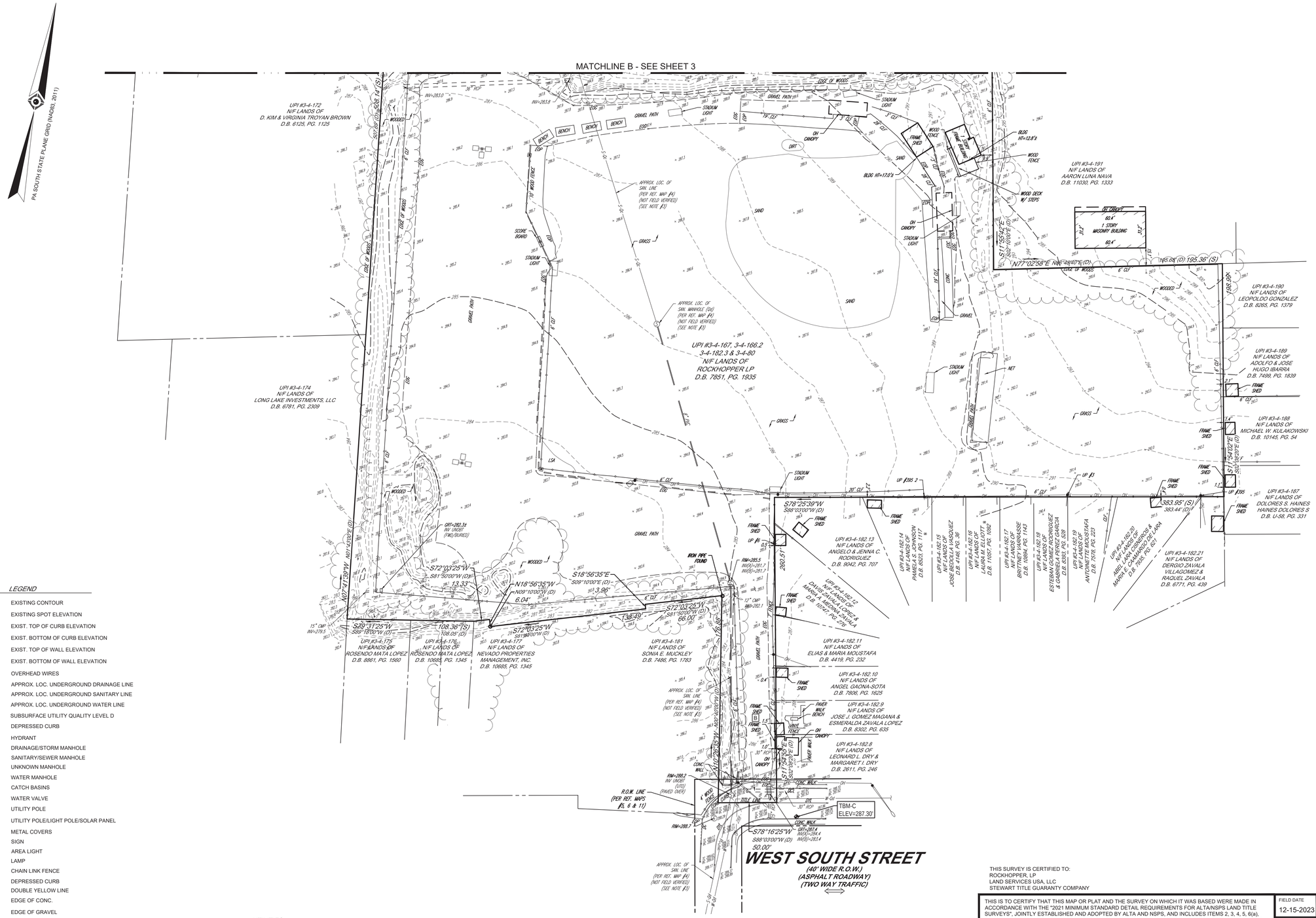

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APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
J.A.A./J.C.W.	01-05-2024	1"=40'	02-230261-00	4 OF 4

Table 1A
Groundwater Analytical Data Summary 2018
VOCs
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**MW-1**		**MW-2**	**MW-3**	**MW-4**	**MW-5**
Well Screen/Open Interval (ft below grade)		15-25		12-22	13-23	11-21	11.8-24.8
Sample Date		09/28/18	*DUP*	11/01/18	09/28/18	09/28/18	09/26/18
Volatile Organic Compounds (µg/L) ***SW8260 (X)***							
Acetone	**38000**	< 0.8	--	< 0.7	< 0.8	**4 J**	**3 J**
Benzene	**5**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Bromodichloromethane	**80**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Bromoform	**80**	< 2	--	< 0.2	< 2	< 2	< 2
Bromomethane	**10**	< 0.5	--	< 0.3	< 0.5	< 0.5	< 0.5
2-Butanone	**4000**	< 1	--	< 0.3	< 1	< 1	< 1
Carbon Disulfide	**1500**	< 0.3	--	< 0.2	< 0.3	**2 J**	< 0.3
Carbon Tetrachloride	**5**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	**100**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	**250**	< 0.3	--	< 0.2	< 0.3	< 0.3	< 0.3
Chloroform	**80**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Chloromethane	**30**	< 0.3	--	< 0.2	< 0.3	< 0.3	< 0.3
Cyclohexane	**13000**	--	--	< 0.2	--	--	--
1,2-Dibromo-3-chloropropane	**0.2**	--	--	< 0.3	--	--	--
Dibromochloromethane	**80**	< 0.4	--	< 0.2	< 0.4	< 0.4	< 0.4
1,2-Dibromoethane	**0.05**	--	--	< 0.2	--	--	--
1,2-Dichlorobenzene	**600**	--	--	< 0.2	--	--	--
1,3-Dichlorobenzene	**600**	--	--	< 0.2	--	--	--
1,4-Dichlorobenzene	**75**	--	--	< 0.2	--	--	--
Dichlorodifluoromethane	**1000**	--	--	< 0.2	--	--	--
1,1-Dichloroethane	**31**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	**5**	< 2	--	< 0.3	< 2	< 2	< 2
1,1-Dichloroethene	**7**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
cis-1,2-Dichloroethene	**70**	< 0.2	--	< 0.2	< 0.2	< 0.2	**1**
trans-1,2-Dichloroethene	**100**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloropropane	**5**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
cis-1,3-Dichloropropene	**NG**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,3-Dichloropropene	**NG**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	**700**	< 0.2	--	< 0.4	< 0.2	**2**	< 0.2
Chloroflurocarbon (Freon 113)	**63000**	--	--	< 0.2	--	**--**	--
2-Hexanone	**63**	< 3	--	< 0.3	< 3	< 3	< 3
Isopropylbenzene	**840**	--	--	< 0.2	--	--	--
Methyl Acetate	**42000**	--	--	< 0.2	--	--	--
Methyl Tertiary Butyl Ether	**20**	--	--	< 0.2	--	--	--
4-Methyl-2-pentanone	**3300**	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	**NG**	--	--	< 0.2	--	--	--
Methylene Chloride	**5**	< 0.2	--	< 0.3	< 0.2	< 0.2	< 0.2
Styrene	**100**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	**0.84**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	**5**	< 0.2	--	< 0.2	< 0.2	< 0.2	**0.3 J**
Toluene	**1000**	< 0.2	--	< 0.2	**0.3 J**	**140**	< 0.2
1,2,4-Trichlorobenzene	**70**	--	--	< 0.3	**--**	**--**	--
1,1,1-Trichloroethane	**200**	< 0.2	--	< 0.3	< 0.2	< 0.2	< 0.2
1,1,2-Trichloroethane	**5**	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	**5**	< 0.2	--	< 0.2	< 0.2	< 0.2	**0.7 J**
Trichlorofluoromethane	**2000**	--	--	< 0.2	--	--	**--**
Vinyl Chloride	**2**	< 0.4	--	< 0.2	< 0.4	< 0.4	< 0.4
Xylene (Total)	**10000**	< 0.5	--	< 1	< 0.5	**3 J**	< 0.5

Notes:
ft = feet
mg/L = milligrams per Liter
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.

DUP = Duplicate Sample
< = Analyte not detected at or above the specified laboratory detection limit.
J = Estimated value ≤ the Method Detection Limit (MDL or DL)
and < the Limit of Quantitation (LOQ or RL).
Q3 = MS/MSD High
NG = No Guidance
X = On 9/29/18-9/28/18, method 8260 B, on 11/1/18, method 8260C

Table 1A
Groundwater Analytical Data Summary 2018
VOCs
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**MW-6A**		**MW-6B**		**MW-7**	**MW-8**
Well Screen/Open Interval (ft below grade)		7-20		45-55		15-30	15-30
Sample Date		09/26/18	*DUP*	09/26/18	11/01/18	09/27/18	09/27/18
Volatile Organic Compounds (µg/L) ***SW8260 (X)***							
Acetone	**38000**	**< 0.8**	**2 J**	< 0.8	< 0.7	< 0.8	**1 J**
Benzene	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 Q3
Bromodichloromethane	**80**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bromoform	**80**	< 2	< 2	< 2	< 0.2	< 2	< 2
Bromomethane	**10**	< 0.5	< 0.5	< 0.5	< 0.3	< 0.5	< 0.5
2-Butanone	**4000**	< 1	< 1	< 1	< 0.3	< 1	< 1
Carbon Disulfide	**1500**	< 0.3	< 0.3	< 0.3	< 0.2	< 0.3	< 0.3
Carbon Tetrachloride	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	**100**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	**250**	< 0.3	< 0.3	< 0.3	< 0.2	< 0.3	< 0.3
Chloroform	**80**	< 0.2	< 0.2	**0.5 J**	**0.2 J**	< 0.2	**4 Q3**
Chloromethane	**30**	< 0.3	< 0.3	< 0.3	< 0.2	< 0.3	< 0.3
Cyclohexane	**13000**	--	--	--	< 0.2	--	--
1,2-Dibromo-3-chloropropane	**0.2**	--	--	--	< 0.3	--	--
Dibromochloromethane	**80**	< 0.4	< 0.4	< 0.4	< 0.2	< 0.4	< 0.4
1,2-Dibromoethane	**0.05**	--	--	--	< 0.2	--	--
1,2-Dichlorobenzene	**600**	--	--	--	< 0.2	--	--
1,3-Dichlorobenzene	**600**	--	--	--	< 0.2	--	--
1,4-Dichlorobenzene	**75**	--	--	--	< 0.2	--	--
Dichlorodifluoromethane	**1000**	--	--	--	< 0.2	--	--
1,1-Dichloroethane	**31**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 Q3
1,2-Dichloroethane	**5**	< 2	< 2	< 2	< 0.3	< 2	< 2
1,1-Dichloroethene	**7**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 Q3
cis-1,2-Dichloroethene	**70**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 Q3
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 Q3
1,2-Dichloropropane	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2 Q3
cis-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	**700**	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2 Q3
Chloroflurocarbon (Freon 113)	**63000**	--	--	--	< 0.2	--	--
2-Hexanone	**63**	< 3	< 3	< 3	< 0.3	< 3	< 3
Isopropylbenzene	**840**	--	--	--	< 0.2	--	--
Methyl Acetate	**42000**	--	--	--	< 0.2	--	--
Methyl Tertiary Butyl Ether	**20**	--	--	--	< 0.2	--	--
4-Methyl-2-pentanone	**3300**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	**NG**	--	--	--	< 0.2	--	--
Methylene Chloride	**5**	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 0.2
Styrene	**100**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	**0.84**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	**5**	**0.3 J**	**0.3 J**	**1**	**0.7 J**	**0.3 J**	< 0.2
Toluene	**1000**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2,4-Trichlorobenzene	**70**	--	--	--	< 0.3	--	--
1,1,1-Trichloroethane	**200**	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 0.2 Q3
1,1,2-Trichloroethane	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	**5**	< 0.2	< 0.2	**0.9 J**	**0.9 J**	< 0.2	< 0.2 Q3
Trichlorofluoromethane	**2000**	--	--	--	< 0.2	--	--
Vinyl Chloride	**2**	< 0.4	< 0.4	< 0.4	< 0.2	< 0.4	< 0.4 Q3
Xylene (Total)	**10000**	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5

Notes:
ft = feet
mg/L = milligrams per Liter
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.

DUP = Duplicate Sample
< = Analyte not detected at or above the specified laboratory detection limit.
J = Estimated value ≤ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL).
Q3 = MS/MSD High
NG = No Guidance
X = On 9/29/18-9/28/18, method 8260 B, on 11/1/18, method 8260C

Table 1A
Groundwater Analytical Data Summary 2018
VOCs
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**MW-9A**			**MW-10**		**MW-11A**	
Well Screen/Open Interval (ft below grade)		15-25			15-25		10-20	
Sample Date		09/26/18	11/01/18	*DUP*	09/27/18	11/01/18	09/27/18	11/01/18
Volatile Organic Compounds (µg/L) *SW8260 (X)*								
Acetone	**38000**	< 0.8	< 0.7	--	**3 J**	**0.8 J**	< 0.8	< 0.7
Benzene	**5**	< 0.2	< 0.2	--	< 0.2	< 0.2	**0.2 J**	**0.3 J**
Bromodichloromethane	**80**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Bromoform	**80**	< 2	< 0.2	--	< 2	< 0.2	< 2	< 0.2
Bromomethane	**10**	< 0.5	< 0.3	--	< 0.5	< 0.3	< 0.5	< 0.3
2-Butanone	**4000**	< 1	< 0.3	--	< 1	< 0.3	< 1	< 0.3
Carbon Disulfide	**1500**	< 0.3	< 0.2	--	**0.4 J**	< 0.2	< 0.3	< 0.2
Carbon Tetrachloride	**5**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	**100**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	**250**	< 0.3	< 0.2	--	< 0.3	< 0.2	< 0.3	< 0.2
Chloroform	**80**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Chloromethane	**30**	< 0.3	< 0.2	--	< 0.3	< 0.2	< 0.3	< 0.2
Cyclohexane	**13000**	--	< 0.2	--	--	< 0.2	--	< 0.2
1,2-Dibromo-3-chloropropane	**0.2**	--	< 0.3	--	--	< 0.3	--	< 0.3
Dibromochloromethane	**80**	< 0.4	< 0.2	--	< 0.4	< 0.2	< 0.4	< 0.2
1,2-Dibromoethane	**0.05**	--	< 0.2	--	--	< 0.2	--	< 0.2
1,2-Dichlorobenzene	**600**	--	< 0.2	--	--	< 0.2	--	< 0.2
1,3-Dichlorobenzene	**600**	--	< 0.2	--	--	< 0.2	--	< 0.2
1,4-Dichlorobenzene	**75**	--	< 0.2	--	--	< 0.2	--	< 0.2
Dichlorodifluoromethane	**1000**	--	< 0.2	--	--	< 0.2	--	< 0.2
1,1-Dichloroethane	**31**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	**5**	< 2	< 0.3	--	< 2	< 0.3	< 2	< 0.3
1,1-Dichloroethene	**7**	< 0.2	< 0.2	--	< 0.2	**0.2 J**	< 0.2	< 0.2
cis-1,2-Dichloroethene	**70**	< 0.2	< 0.2	--	**41**	**42**	**17**	**34**
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2	--	**1 J**	**0.6 J**	< 0.2	**0.3 J**
1,2-Dichloropropane	**5**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
cis-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	**700**	< 0.2	< 0.4	--	< 0.2	< 0.4	< 0.2	< 0.4
Chloroflurocarbon (Freon 113)	**63000**	--	< 0.2	--	--	**59**	--	**24**
2-Hexanone	**63**	< 3	< 0.3	--	< 3	< 0.3	< 3	< 0.3
Isopropylbenzene	**840**	--	< 0.2	--	--	< 0.2	--	< 0.2
Methyl Acetate	**42000**	--	< 0.2	--	--	< 0.2	--	< 0.2
Methyl Tertiary Butyl Ether	**20**	--	< 0.2	--	--	< 0.2	--	< 0.2
4-Methyl-2-pentanone	**3300**	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	**NG**	--	< 0.2	--	--	< 0.2	--	< 0.2
Methylene Chloride	**5**	< 0.2	< 0.3	--	< 0.2	< 0.3	< 0.2	< 0.3
Styrene	**100**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	**0.84**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	**5**	< 0.2	< 0.2	--	**32**	**38**	**120**	**210**
Toluene	**1000**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
1,2,4-Trichlorobenzene	**70**	--	< 0.3	--	--	< 0.3	--	< 0.3
1,1,1-Trichloroethane	**200**	< 0.2	< 0.3	--	< 0.2	< 0.3	< 0.2	< 0.3
1,1,2-Trichloroethane	**5**	< 0.2	< 0.2	--	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	**5**	< 0.2	< 0.2	--	**16**	**16**	**10**	**18**
Trichlorofluoromethane	**2000**	--	< 0.2	--	--	< 0.2	--	< 0.2
Vinyl Chloride	**2**	< 0.4	< 0.2	--	**6**	**4**	**0.8 J**	**0.9 J**
Xylene (Total)	**10000**	< 0.5	< 1	--	< 0.5	< 1	< 0.5	< 1

Notes:
ft = feet
mg/L = milligrams per Liter
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids <= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.

DUP = Duplicate Sample
< = Analyte not detected at or above the specified laboratory detection limit.
J = Estimated value ≤ the Method Detection Limit (MDL or DL)
and < the Limit of Quantitation (LOQ or RL).
Q3 = MS/MSD High
NG = No Guidance
X = On 9/29/18-9/28/18, method 8260 B, on 11/1/18, method 8260C

Table 1A
Groundwater Analytical Data Summary 2018
VOCs
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**MW-12**	**MW-13**		**MW-14**		
Well Screen/Open Interval (ft below grade)		10-23	13-23.2		13-23		
Sample Date		09/27/18	09/26/18	11/01/18	09/26/18	11/01/18	*DUP*
Volatile Organic Compounds (µg/L) *SW8260 (X)*							
Acetone	**38000**	< 0.8	< 0.8	< 0.7	< 0.8	< 0.7	< 0.7
Benzene	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bromodichloromethane	**80**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bromoform	**80**	< 2	< 2	< 0.2	< 2	< 0.2	< 0.2
Bromomethane	**10**	< 0.5	< 0.5	< 0.3	< 0.5	< 0.3	< 0.3
2-Butanone	**4000**	< 1	< 1	< 0.3	< 1	< 0.3	< 0.3
Carbon Disulfide	**1500**	< 0.3	< 0.3	< 0.2	< 0.3	< 0.2	< 0.2
Carbon Tetrachloride	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	**100**	< 0.2	**0.2 J**	**0.2 J**	< 0.2	< 0.2	< 0.2
Chloroethane	**250**	< 0.3	< 0.3	< 0.2	< 0.3	< 0.2	< 0.2
Chloroform	**80**	< 0.2	< 0.2	< 0.2	**0.5 J**	**0.4 J**	**0.4 J**
Chloromethane	**30**	< 0.3	< 0.3	< 0.2	< 0.3	< 0.2	< 0.2
Cyclohexane	**13000**	--	--	< 0.2	--	< 0.2	< 0.2
1,2-Dibromo-3-chloropropane	**0.2**	--	--	< 0.3	--	< 0.3	< 0.3
Dibromochloromethane	**80**	< 0.4	< 0.4	< 0.2	< 0.4	< 0.2	< 0.2
1,2-Dibromoethane	**0.05**	--	--	< 0.2	--	< 0.2	< 0.2
1,2-Dichlorobenzene	**600**	--	--	< 0.2	--	< 0.2	< 0.2
1,3-Dichlorobenzene	**600**	--	--	< 0.2	--	< 0.2	< 0.2
1,4-Dichlorobenzene	**75**	--	--	**0.6 J**	--	**1 J**	**1 J**
Dichlorodifluoromethane	**1000**	--	--	< 0.2	--	< 0.2	< 0.2
1,1-Dichloroethane	**31**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloroethane	**5**	< 2	< 2	< 0.3	< 2	< 0.3	< 0.3
1,1-Dichloroethene	**7**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
cis-1,2-Dichloroethene	**70**	< 0.2	**2**	**2**	**60**	**79**	**71**
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2	< 0.2	**0.5 J**	**0.6 J**	**0.5 J**
1,2-Dichloropropane	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
cis-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	**700**	< 0.2	< 0.2	< 0.4	< 0.2	< 0.4	< 0.4
Chloroflurocarbon (Freon 113)	**63000**	--	--	< 0.2	--	< 0.2	< 0.2
2-Hexanone	**63**	< 3	< 3	< 0.3	< 3	< 0.3	< 0.3
Isopropylbenzene	**840**	--	--	< 0.2	--	< 0.2	< 0.2
Methyl Acetate	**42000**	--	--	< 0.2	--	< 0.2	< 0.2
Methyl Tertiary Butyl Ether	**20**	--	--	< 0.2	--	< 0.2	< 0.2
4-Methyl-2-pentanone	**3300**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	**NG**	--	--	< 0.2	--	< 0.2	< 0.2
Methylene Chloride	**5**	< 0.2	< 0.2	< 0.3	< 0.2	< 0.3	< 0.3
Styrene	**100**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	**0.84**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	**5**	**0.9 J**	**4**	**5**	**670**	**1200**	**1400**
Toluene	**1000**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2,4-Trichlorobenzene	**70**	--	--	< 0.3	--	< 0.3	< 0.3
1,1,1-Trichloroethane	**200**	< 0.2	< 0.2	< 0.3	< 0.2	< 0.3	< 0.3
1,1,2-Trichloroethane	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	**5**	< 0.2	**2**	**2**	**29**	**41**	**35**
Trichlorofluoromethane	**2000**	--	--	< 0.2	--	< 0.2	< 0.2
Vinyl Chloride	**2**	< 0.4	< 0.4	< 0.2	**0.7 J**	**0.5 J**	**0.4 J**
Xylene (Total)	**10000**	< 0.5	< 0.5	< 1	< 0.5	< 1	< 1

Notes:
ft = feet
mg/L = milligrams per Liter
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids <= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.

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and < the Limit of Quantitation (LOQ or RL).
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X = On 9/29/18-9/28/18, method 8260 B, on 11/1/18, method 8260C

Table 1A
Groundwater Analytical Data Summary 2018
VOCs
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**POMW-1**	**POMW-2**	**POMW-3**		**POMW-4**	**PW-3**
Well Screen/Open Interval (ft below grade)		15-25	12-22	13-23		11/-21	90-193
Sample Date		11/01/18	09/27/18	09/27/18	*DUP*	09/27/18	11/01/18
Volatile Organic Compounds (µg/L) ***SW8260 (X)***							
Acetone	**38000**	< 0.7	< 0.8	**4 J**	--	< 0.8	< 0.7
Benzene	**5**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Bromodichloromethane	**80**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Bromoform	**80**	< 0.2	< 2	< 2	--	< 2	< 0.2
Bromomethane	**10**	< 0.3	< 0.5	< 0.5	--	< 0.5	< 0.3
2-Butanone	**4000**	< 0.3	< 1	**1 J**	--	< 1	< 0.3
Carbon Disulfide	**1500**	< 0.2	< 0.3	< 0.3	--	< 0.3	< 0.2
Carbon Tetrachloride	**5**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Chlorobenzene	**100**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Chloroethane	**250**	< 0.2	< 0.3	< 0.3	--	< 0.3	< 0.2
Chloroform	**80**	< 0.2	**0.3 J**	< 0.2	--	< 0.2	**0.3 J**
Chloromethane	**30**	< 0.2	< 0.3	< 0.3	--	< 0.3	< 0.2
Cyclohexane	**13000**	< 0.2	--	--	--	--	< 0.2
1,2-Dibromo-3-chloropropane	**0.2**	< 0.3	--	--	--	--	< 0.3
Dibromochloromethane	**80**	< 0.2	< 0.4	< 0.4	--	< 0.4	< 0.2
1,2-Dibromoethane	**0.05**	< 0.2	--	--	--	--	< 0.2
1,2-Dichlorobenzene	**600**	< 0.2	--	--	--	--	< 0.2
1,3-Dichlorobenzene	**600**	< 0.2	--	--	--	--	< 0.2
1,4-Dichlorobenzene	**75**	< 0.2	--	--	--	--	< 0.2
Dichlorodifluoromethane	**1000**	< 0.2	--	--	--	--	< 0.2
1,1-Dichloroethane	**31**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
1,2-Dichloroethane	**5**	< 0.3	< 2	< 2	--	< 2	< 0.3
1,1-Dichloroethene	**7**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
cis-1,2-Dichloroethene	**70**	< 0.2	< 0.2	< 0.2	--	**0.7 J**	< 0.2
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
1,2-Dichloropropane	**5**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
cis-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
trans-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Ethylbenzene	**700**	< 0.4	< 0.2	< 0.2	--	< 0.2	< 0.4
Chloroflurocarbon (Freon 113)	**63000**	< 0.2	--	--	--	--	< 0.2
2-Hexanone	**63**	< 0.3	< 3	< 3	--	< 3	< 0.3
Isopropylbenzene	**840**	< 0.2	--	--	--	--	< 0.2
Methyl Acetate	**42000**	< 0.2	--	--	--	--	< 0.2
Methyl Tertiary Butyl Ether	**20**	< 0.2	--	--	--	--	< 0.2
4-Methyl-2-pentanone	**3300**	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5
Methylcyclohexane	**NG**	< 0.2	--	--	--	--	< 0.2
Methylene Chloride	**5**	< 0.3	< 0.2	< 0.2	--	< 0.2	< 0.3
Styrene	**100**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	**0.84**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Tetrachloroethene	**5**	< 0.2	**2**	**1**	--	< 0.2	**1**
Toluene	**1000**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
1,2,4-Trichlorobenzene	**70**	< 0.3	--	--	--	--	< 0.3
1,1,1-Trichloroethane	**200**	< 0.3	< 0.2	< 0.2	--	< 0.2	< 0.3
1,1,2-Trichloroethane	**5**	< 0.2	< 0.2	< 0.2	--	< 0.2	< 0.2
Trichloroethene	**5**	< 0.2	< 0.2	**0.2 J**	--	**0.6 J**	< 0.2
Trichlorofluoromethane	**2000**	< 0.2	--	--	--	--	< 0.2
Vinyl Chloride	**2**	< 0.2	< 0.4	< 0.4	--	< 0.4	< 0.2
Xylene (Total)	**10000**	< 1	< 0.5	< 0.5	--	< 0.5	< 1

Notes:
ft = feet
mg/L = milligrams per Liter
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
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Q3 = MS/MSD High
NG = No Guidance
X = On 9/29/18-9/28/18, method 8260 B, on 11/1/18, method 8260C

Table 1B
Groundwater Analytical Data Summary 2018
PCB Total vs. Dissolved Comparison
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**MW-1**		**MW-2**		**MW-3**	**MW-4**	**MW-5**	**MW-6A**		**MW-6B**		**MW-7**	**MW-8**	**MW-9A**	
Well Screen/Open Interval (ft below grade)		15-25		12-22		13-23	11-21	11.8-24.8	7-20		45-55		15-30	15-30	15-25	
Sample Date		09/28/18	*DUP*	NS	11/01/18	09/28/18	09/28/18	09/26/18	09/26/18	*DUP*	09/26/18	11/01/18	09/27/18	09/27/18	09/26/18	11/01/18
PCBs Total (µg/L) *SW8082*																
PCB-1016	**0.37**	< 0.083 D1	--	--	< 0.081 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.081 D1Q3Q9	< 0.080 D1	< 0.082 D1
PCB-1221	**0.37**	< 0.083 D1	--	--	< 0.081 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.081 D1	< 0.080 D1	< 0.082 D1
PCB-1232	**0.37**	< 0.17 D1	--	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	--	< 0.16 D1	< 0.16 D1	< 0.17 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1
PCB-1242	**0.37**	< 0.083 D1	--	--	< 0.081 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.081 D1	< 0.080 D1	< 0.082 D1
PCB-1248	**0.37**	< 0.083 D1	--	--	< 0.081 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.081 D1	< 0.080 D1	< 0.082 D1
PCB-1254	**0.37**	< 0.083 D1	--	--	< 0.081 D2	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.081 D1	< 0.080 D1	< 0.082 D1
PCB-1260	**0.37**	< 0.12 D1	--	--	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	--	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1Q9	< 0.12 D1	< 0.12 D1
PCB- 1262	**NG**	< 0.17 D1	--	--	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	--	< 0.16 D1	--	< 0.17 D1	< 0.16 D1	< 0.16 D1	--
PCB- 1268	**NG**	< 0.13 D1	--	--	--	< 0.13 D1	< 0.13 D1	< 0.13 D1	< 0.13 D1	--	< 0.13 D1	--	< 0.13 D1	< 0.13 D1	< 0.13 D1	--
Total PCBs	**0.5**	< 0.083	--	--	< 0.081	< 0.082	< 0.082	< 0.080	< 0.080	--	< 0.080	< 0.080	< 0.083	< 0.081	< 0.080	< 0.082
PCBs Dissolved[1] (µg/L) *SW8082*																
PCB-1016	**NG**	< 0.082 D1	--	--	< 0.080 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.079 D1Q2Q9	< 0.080 D1	< 0.080 D1
PCB-1221	**NG**	< 0.082 D1	--	--	< 0.080 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.079 D1	< 0.080 D1	< 0.080 D1
PCB-1232	**NG**	< 0.16 D1	--	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1
PCB-1242	**NG**	< 0.082 D1	--	--	< 0.080 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.079 D1	< 0.080 D1	< 0.080 D1
PCB-1248	**NG**	< 0.082 D1	--	--	< 0.080 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.079 D1	< 0.080 D1	< 0.080 D1
PCB-1254	**NG**	< 0.082 D1	--	--	< 0.080 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.080 D1	--	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.079 D1	< 0.080 D1	< 0.080 D1
PCB-1260	**NG**	< 0.12 D1	--	--	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	--	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1Q9	< 0.12 D1	< 0.12 D1
PCB- 1262	**NG**	< 0.16 D1	--	--	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	--	< 0.16 D1	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	--
PCB- 1268	**NG**	< 0.13 D1	--	--	--	< 0.13 D1	< 0.13 D1	< 0.13 D1	< 0.13 D1	--	< 0.13 D1	--	< 0.13 D1	< 0.13 D1	< 0.13 D1	--
Total PCBs	**NG**	< 0.082	--	--	< 0.080	< 0.082	< 0.082	< 0.080	< 0.080	--	< 0.080	< 0.080	< 0.080	< 0.079	< 0.080	< 0.080

Notes:
DUP = Duplicate Sample
NS = Not Sampled
-- = Not Analyzed
µg/L = micrograms per Liter
< = Analyte not detected at or above the specified laboratory detection limit.
D1 = Indicates for dual column analyses that the result is reported from column 1
D2 = Indicates for dual column analyses that the result is reported from column 2
Q2 = MS/MSD Low
Q3 = MS/MSD High
Q9 = MS/MSD RPD
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids <= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.
NG = No Guidance
[1] = Field filtered samples for organics are not intended for comparison to MSCs
Total PCBs = combined values of detected PCB Aroclors or the highest non-detect value

Table 1B
Groundwater Analytical Data Summary 2018
PCB Total vs. Dissolved Comparison
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**MW-10**		**MW-11A**			**MW-12**	**MW-13**		**MW-14**		**POMW-1**	**POMW-2**	**POMW-3**		**POMW-4**	***PW-3**
Well Screen/Open Interval (ft below grade)		15-25		10-20			10-23	13-23.2		13-23		15-25	12-22	13-23		11-21	90-193
Sample Date		09/27/18	11/01/18	09/27/18	11/01/18	11/01/18 *DUP*	09/27/18	09/26/18	11/01/18	09/26/18	11/01/18	11/01/18	09/27/18	09/27/18	09/27/18 *DUP*	09/27/18	11/01/18
PCBs Total (µg/L) *SW8082*																	
PCB-1016	**0.37**	< 0.081 D1	< 0.081 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.082 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1
PCB-1221	**0.37**	< 0.081 D1	< 0.081 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.082 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1
PCB-1232	**0.37**	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.17 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1
PCB-1242	**0.37**	< 0.081 D1	< 0.081 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.082 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1
PCB-1248	**0.37**	< 0.081 D1	< 0.081 D1	**0.69 D2**	**0.56 D2**	**0.51 D2**	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.082 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1
PCB-1254	**0.37**	< 0.081 D1	< 0.081 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.082 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1
PCB-1260	**0.37**	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.13 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1
PCB- 1262	**NG**	< 0.16 D1	--	< 0.16 D1	--	--	< 0.16 D1	< 0.17 D1	--	< 0.16 D1	--	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	--
PCB- 1268	**NG**	< 0.13 D1	--	< 0.13 D1	--	--	< 0.13 D1	< 0.13 D1	--	< 0.13 D1	--	--	< 0.13 D1	< 0.13 D1	< 0.13 D1	< 0.13 D1	--
Total PCBs	**0.5**	< 0.081	< 0.081	**0.69**	**0.56**	**0.51**	< 0.080	< 0.083	< 0.080	< 0.080	< 0.081	< 0.080	< 0.081	< 0.082	< 0.080	< 0.081	< 0.080
PCBs Dissolved[1] (µg/L) *SW8082*																	
PCB-1016	**NG**	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.081 D1
PCB-1221	**NG**	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.081 D1
PCB-1232	**NG**	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.17 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.17 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1
PCB-1242	**NG**	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.081 D1
PCB-1248	**NG**	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.081 D1
PCB-1254	**NG**	< 0.080 D1	< 0.080 D1	< 0.080 D1	< 0.083 D1	< 0.082 D1	< 0.082 D1	< 0.080 D1	< 0.083 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.080 D1	< 0.081 D1	< 0.080 D1	< 0.081 D1	< 0.081 D1
PCB-1260	**NG**	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.13 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1	< 0.12 D1
PCB- 1262	**NG**	< 0.16 D1	--	< 0.16 D1	--	--	< 0.16 D1	< 0.16 D1	--	< 0.16 D1	--	--	< 0.16 D1	< 0.16 D1	< 0.16 D1	< 0.16 D1	--
PCB- 1268	**NG**	< 0.13 D1	--	< 0.13 D1	--	--	< 0.13 D1	< 0.13 D1	--	< 0.13 D1	--	--	< 0.13 D1	< 0.13 D1	< 0.13 D1	< 0.13 D1	--
Total PCBs	**NG**	< 0.080	< 0.080	< 0.080	< 0.083	< 0.082	< 0.082	< 0.080	< 0.083	< 0.080	< 0.081	< 0.080	< 0.080	< 0.081	< 0.080	< 0.081	< 0.081

Notes:
DUP = Duplicate Sample
NS = Not Sampled
-- = Not Analyzed
µg/L = micrograms per Liter
< = Analyte not detected at or above the specified laboratory detection limit.
D1 = Indicates for dual column analyses that the result is reported from column 1
D2 = Indicates for dual column analyses that the result is reported from column 2
Q2 = MS/MSD Low
Q3 = MS/MSD High
Q9 = MS/MSD RPD
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.
NG = No Guidance
[1] = Field filtered samples for organics are not intended for comparison to MS
Total PCBs = combined values of detected PCB Aroclors or the highest non-detect val

Table 3A
Groundwater Analytical Data Summary February 2019
Temporary Well Sampling (select CVOCs)
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**TMW-1**	**TMW-2**	**TMW-3**		**TMW-5**	**TMW-6**	**TMW-7**
Well Screen Interval (ft below grade)		10-20	15-25	10-20		15-25	20-30	10-20
Sample Date		02/15/19	02/14/19	02/15/19	*Duplicate*	02/15/19	02/15/19	02/18/19
Volatile Organic Compounds (µg/L) ***SW8260***								
Tetrachloroethene	**5**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**290**	**7**	< 0.2
Trichloroethene	**5**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**12**	**2**	< 0.2
cis-1,2-Dichloroethene	**70**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**16**	**3**	< 0.2
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Vinyl Chloride	**2**	< 0.2	< 0.2	< 0.2	< 0.2	**0.7 J**	< 0.4	< 0.2

Notes:
CVOC= Chlorinated Volatile Organic Compound
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.
Q3 = MS/MSD High
J = Estimated Value

Table 3B
Groundwater Analytical Data Summary February 2019
Temporary Well Sampling (VOCs)
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location	**PA-UA-2500-RES**	**TMW-1**	**TMW-2**	**TMW-3**		**TMW-5**	**TMW-6**	**TMW-7**
Well Screen Interval (ft below grade)		10-20	15-25	10-20		15-25	20-30	10-20
Sample Date		02/15/19	02/14/19	02/15/19	*Duplicate*	02/15/19	02/15/19	02/18/19
Volatile Organic Compounds (µg/L) *SW8260 (X)*								
Acetone	**38000**	**4 J**	**2 J**	**28**	**25**	**27**	**6 J**	**14 J**
Benzene	**5**	< 0.2	< 0.2	< 0.2	< 0.2	**0.5 J**	< 0.2	< 0.2
Bromodichloromethane	**80**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Bromoform	**80**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2
Bromomethane	**10**	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.5	< 0.3
2-Butanone	**4000**	< 0.3	< 0.3	**3 J**	**3 J**	**4 J**	< 1	**1 J**
Carbon Disulfide	**1500**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2
Carbon Tetrachloride	**5**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chlorobenzene	**100**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloroethane	**250**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2
Chloroform	**80**	**0.3 J**	< 0.2 Q3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chloromethane	**30**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2
Cyclohexane	**13000**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
1,2-Dibromo-3-chloropropane	**0.2**	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	--	< 0.3
Dibromochloromethane	**80**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
1,2-Dibromoethane	**0.05**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
1,2-Dichlorobenzene	**600**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
1,3-Dichlorobenzene	**600**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
1,4-Dichlorobenzene	**75**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
Dichlorodifluoromethane	**1000**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
1,1-Dichloroethane	**31**	< 0.2	< 0.2	< 0.2	< 0.2	**0.3 J**	< 0.2	**0.5 J**
1,2-Dichloroethane	**5**	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 2	< 0.3
1,1-Dichloroethene	**7**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**0.2 J**	< 0.2	< 0.2
cis-1,2-Dichloroethene	**70**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**16**	3	< 0.2
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,2-Dichloropropane	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
cis-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
trans-1,3-Dichloropropene	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Ethylbenzene	**700**	< 0.4	< 0.4 Q3	< 0.4	< 0.4	< 0.4	< 0.2	< 0.4
Chloroflurocarbon (Freon 113)	**63000**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**8 J**	--	< 0.2
2-Hexanone	**63**	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 3	< 0.3
Isopropylbenzene	**840**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	< 0.2	--	< 0.2
Methyl Acetate	**42000**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
Methyl Tertiary Butyl Ether	**20**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
4-Methyl-2-pentanone	**3300**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Methylcyclohexane	**NG**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
Methylene Chloride	**5**	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.2	< 0.3
Styrene	**100**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
1,1,2,2-Tetrachloroethane	**0.84**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	**5**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**290**	**7**	< 0.2
Toluene	**1000**	< 0.2	< 0.2	< 0.2	< 0.2	**0.6 J**	< 0.2	< 0.2
1,2,4-Trichlorobenzene	**70**	< 0.3	< 0.3	**0.3 J**	< 0.3	< 0.3	--	< 0.3
1,1,1-Trichloroethane	**200**	< 0.3	< 0.3 Q3	< 0.3	< 0.3	< 0.3	< 0.2	< 0.3
1,1,2-Trichloroethane	**5**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Trichloroethene	**5**	< 0.2	< 0.2 Q3	< 0.2	< 0.2	**12**	**2**	< 0.2
Trichlorofluoromethane	**2000**	**21**	< 0.2	< 0.2	< 0.2	< 0.2	--	< 0.2
Vinyl Chloride	**2**	< 0.2	< 0.2	< 0.2	< 0.2	**0.7 J**	< 0.4	< 0.2
Xylene (Total)	**10000**	< 1	< 1 Q3	< 1	< 1	< 1	< 0.5	< 1

Notes:
ft = feet
-- = Not Analyzed
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
(X) = TMW-6/7 Used different analytical methods
Bolded values indicate detection
Results Shaded are in exceedance of the PA-UA-2500-RES guideline.
J = Estimated Value
Q3 = MS/MSD High

Table 4
Groundwater Analytical Data Summary October 2019
Select Bedrock Wells (CVOCs Only)
Former NVF Kennett Square Facility
Kennett Square, Pennsylvania

Sample Location **Well Screen Interval (ft below grade)** **Sample Date**	**PA-UA-2500-RES**	**MW-11B** 51-61 10/04/19	 *Duplicate*	**MW-14B** 49.5-59.5 10/04/19	**MW-15** 55.5-65.5 10/04/19
Volatile Organic Compounds (µg/L) ***SW8260***					
Tetrachloroethene	**5**	**14**	**13**	**37**	**8**
Trichloroethene	**5**	5	5	2	0.5 J
cis-1,2-Dichloroethene	**70**	2	2	2	0.3 J
trans-1,2-Dichloroethene	**100**	< 0.2	< 0.2	< 0.2	< 0.2
Vinyl Chloride	**2**	< 0.2	< 0.2	< 0.2	< 0.2

Notes:
µg/L = micrograms per Liter
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC),
Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use, August 27, 2016
Bolded values indicate exceedance of the PA-UA-2500-RES guideline.
J = Estimated Value
CVOC = Chlorinated Volatile Organic Compound

TABLE 11
REMEDIAL INVESTIGATION REPORT
GROUNDWATER ANALYTICAL DATA SUMMARY - FEBRUARY 2006
FORMER NVF KENNETT FACILITY
KENNETT SQUARE, PENNSYLVANIA

Location ID / **Sample Date**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	FOTMW-2 02/27/06	MW-1 02/24/06	MW-2 02/24/06	MW-3 02/24/06	MW-4 02/24/06	POMW-1 02/27/06
Inorganics										
ANTIMONY	0.006	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
ARSENIC	0.05	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
BERYLLIUM	0.004	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
CADMIUM	0.005	NG	SW6010B	mg/l	NA	0.0012	ND	ND	ND	ND
CHROMIUM	0.1	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
COPPER	1	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
LEAD	0.005	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
MERCURY	0.002	NG	SW7470A	mg/l	NA	ND	ND	ND	ND	ND
NICKEL	0.1	NG	SW6010B	mg/l	NA	**0.134**	0.0266	ND	ND	ND
SELENIUM	0.05	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
SILVER	0.1	NG	SW6010B	mg/l	NA	ND	ND	ND	ND	ND
THALLIUM	0.002	NG	SW6010B	mg/l	NA	**0.0236**	**0.0167**	ND	**0.0109**	ND
ZINC	2	NG	SW6010B	mg/l	NA	0.171	0.0213	ND	ND	ND
Volatile Organics										
1,1,1,2-TETRACHLOROETHANE	70	6,400	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	7	160,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2,3-TRICHLOROPROPANE	40	110	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.2	4,300	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DIBROMOETHANE	0.05	620	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,4-DIOXANE	5.6	1,500,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-CHLOR-1,3-BUTADIENE	19	5,500	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-HEXANONE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-METHYL-1-PROPANOL	2,900	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACETONE	3,700	NOC	SW8260B	ug/l	ND	ND	ND	ND	7	ND
ACETONITRILE	170	3,700,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACROLEIN	0.055	350	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACRYLONITRILE	0.63	7,300	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ALLYL CHLORIDE	2.8	860	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BENZENE	5	3,500	SW8260B	ug/l	ND	ND	0.7	ND	0.7	ND
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BROMOFORM	100	180,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BROMOMETHANE	10	4,500	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	100	27,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROETHANE	230	22,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROFORM	100	410	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	3	17,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	100	3,800	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
DIBROMOMETHANE	97	130,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	1,000	110,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ETHYL METHACRYLATE	870	1,700,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	700	27,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYL IODIDE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYL METHACRYLATE	1,900	6,000,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYLACRYLONITRILE	1.9	7,200	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	77,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
PENTACHLOROETHANE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND

TABLE 11
REMEDIAL INVESTIGATION REPORT
GROUNDWATER ANALYTICAL DATA SUMMARY - FEBRUARY 2006
FORMER NVF KENNETT FACILITY
KENNETT SQUARE, PENNSYLVANIA

Volatile Organics (cont'd)										
PROPIONITRILE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
STYRENE	100	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TOLUENE	1,000	490,000	SW8260B	ug/l	ND	ND	4	**120,000**	**1,400**	ND
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRANS-1,4-DICHLORO-2-BUTENE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	5	14,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRICHLOROFLUOROMETHANE	2,000	520,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
VINYL ACETATE	550	1,100,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	ND	ND	ND	ND	3	ND
Volatile Organic TICs					ND	ND	ND	ND		ND
DIMETHYL SULFIDE	NG	NG	SW8260B	ug/l					11 J	
UNKNOWN	NG	NG	SW8260B	ug/l					48 J	
Semi-Volatile Organics										
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
1,2-DIPHENYLHYDRAZINE	0.83	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE	600	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
2-NITROPHENOL	290	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ON	100	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
4-NITROPHENOL	60	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	NA	ND	1	ND	ND	ND
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
ANTHRACENE	66	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZIDINE	0.0029	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
CHRYSENE	1.9	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
FLUORANTHENE	260	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
FLUORENE	1,500	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	1	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
METHANAMINE, N-METHYL-N-NITROSO	0.0031	3,800	SW8270C	ug/l	NA	ND	ND	ND	ND	ND

TABLE 11
REMEDIAL INVESTIGATION REPORT
GROUNDWATER ANALYTICAL DATA SUMMARY - FEBRUARY 2006
FORMER NVF KENNETT FACILITY
KENNETT SQUARE, PENNSYLVANIA

Location ID **Sample Date**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	FOTMW-2 02/27/06	MW-1 02/24/06	MW-2 02/24/06	MW-3 02/24/06	MW-4 02/24/06	POMW-1 02/27/06
Semi-Volatile Organics (cont')										
NAPHTHALENE	100	25,000	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
NITROBENZENE	18	290,000	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
PHENOL	4,000	NOC	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
PYRENE	130	NG	SW8270C	ug/l	NA	ND	ND	ND	ND	ND
Semi-Volatile Organic TICs						ND				ND
BENZYL ALCOHOL	11,000	NG	SW8270C	ug/l	NA			16 J		
CYCLIC OCTAATOMIC SULFUR	NG	NG	SW8270C	ug/l	NA			2,300 J	19 J	
PHENOL, 2-METHYL	1,800	NG	SW8270C	ug/l	NA			100 J		
PHENOL, 4,4'-(1-METHYLETHYLI	1,800	NG	SW8270C	ug/l	NA		290 J			
PHENOL, 4-METHYL	180	NG	SW8270C	ug/l	NA			120 J		
UNKNOWN	NG	NG	SW8270C	ug/l	NA		6 J	20 J	24 J	
UNKNOWN	NG	NG	SW8270C	ug/l	NA		6 J	36 J	16 J	
UNKNOWN	NG	NG	SW8270C	ug/l	NA		10 J		13 J	
UNKNOWN	NG	NG	SW8270C	ug/l	NA		9 J		9 J	

TABLE 11
REMEDIAL INVESTIGATION REPORT
GROUNDWATER ANALYTICAL DATA SUMMARY - FEBRUARY 2006
FORMER NVF KENNETT FACILITY
KENNETT SQUARE, PENNSYLVANIA

Location ID / **Sample Date**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	POMW-2 02/27/06	POMW-3 02/27/06	POMW-4 02/27/06	PW-2 02/24/06	PW-2 02/24/06	PW-3 02/24/06
Inorganics									(DUP)	
ANTIMONY	0.006	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
ARSENIC	0.05	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
BERYLLIUM	0.004	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
CADMIUM	0.005	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
CHROMIUM	0.1	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
COPPER	1	NG	SW6010B	mg/l	ND	ND	ND	0.0408	0.0404	0.0466
LEAD	0.005	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
MERCURY	0.002	NG	SW7470A	mg/l	ND	ND	ND	ND	ND	ND
NICKEL	0.1	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
SELENIUM	0.05	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
SILVER	0.1	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
THALLIUM	0.002	NG	SW6010B	mg/l	ND	ND	ND	ND	ND	ND
ZINC	2	NG	SW6010B	mg/l	0.0102	0.010	ND	0.0911	0.0982	0.0149
Petroleum Hydrocarbons										
TPH-DRO	NG	NG	SW8015B	ug/l	NA	NA	NA	ND	ND	73
Volatile Organics										
1,1,1,2-TETRACHLOROETHANE	70	6,400	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	7	160,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2,3-TRICHLOROPROPANE	40	110	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DIBROMO-3-CHLOROPROPANE	0.2	4,300	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DIBROMOETHANE	0.05	620	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
1,4-DIOXANE	5.6	1,500,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-CHLOR-1,3-BUTADIENE	19	5,500	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-HEXANONE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
2-METHYL-1-PROPANOL	2,900	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACETONE	3,700	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACETONITRILE	170	3,700,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACROLEIN	0.055	350	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ACRYLONITRILE	0.63	7,300	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ALLYL CHLORIDE	2.8	860	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BENZENE	5	3,500	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BROMOFORM	100	180,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
BROMOMETHANE	10	4,500	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	100	27,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROETHANE	230	22,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROFORM	100	410	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CHLOROMETHANE	3	17,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	ND	ND	3	1	1	ND
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE	100	3,800	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
DIBROMOMETHANE	97	130,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
DICHLORODIFLUOROMETHANE	1,000	110,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ETHYL METHACRYLATE	870	1,700,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	700	27,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYL IODIDE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYL METHACRYLATE	1,900	6,000,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYLACRYLONITRILE	1.9	7,200	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE	5	77,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND

TABLE 11
REMEDIAL INVESTIGATION REPORT
GROUNDWATER ANALYTICAL DATA SUMMARY - FEBRUARY 2006
FORMER NVF KENNETT FACILITY
KENNETT SQUARE, PENNSYLVANIA

Location ID **Sample Date**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	POMW-2 02/27/06	POMW-3 02/27/06	POMW-4 02/27/06	PW-2 02/24/06	PW-2 02/24/06	PW-3 02/24/06
Volatile Organics (cont'd)										
PENTACHLOROETHANE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
PROPIONITRILE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
STYRENE	100	NOC	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	ND	3	ND	1	1	ND
TOLUENE	1,000	490,000	SW8260B	ug/l	ND	ND	ND	1	ND	16
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRANS-1,4-DICHLORO-2-BUTENE	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	5	14,000	SW8260B	ug/l	ND	1	ND	**23**	**24**	3
TRICHLOROFLUOROMETHANE	2,000	520,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
VINYL ACETATE	550	1,100,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
Volatile Organic TICs	NG	NG	SW8260B	ug/l	ND	ND	ND	ND	ND	ND
Semi-Volatile Organics									(DUP)	
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
1,2-DIPHENYLHYDRAZINE	0.83	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE	600	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
2-NITROPHENOL	290	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
3,5,5-TRIMETHYL-2-CYCLOHEXENE-1-ON	100	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
4-NITROPHENOL	60	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
ANTHRACENE	66	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZIDINE	0.0029	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
CHRYSENE	1.9	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
FLUORANTHENE	260	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
FLUORENE	1,500	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND

TABLE 11
REMEDIAL INVESTIGATION REPORT
GROUNDWATER ANALYTICAL DATA SUMMARY - FEBRUARY 2006
FORMER NVF KENNETT FACILITY
KENNETT SQUARE, PENNSYLVANIA

Location ID **Sample Date**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	POMW-2 02/27/06	POMW-3 02/27/06	POMW-4 02/27/06	PW-2 02/24/06	PW-2 02/24/06	PW-3 02/24/06
Semi-Volatile Organics (cont'd)										
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
HEXACHLOROBUTADIENE	1	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
METHANAMINE, N-METHYL-N-NITROSO	0.0031	3,800	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
NAPHTHALENE	100	25,000	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
NITROBENZENE	18	290,000	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
PHENOL	4,000	NOC	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
PYRENE	130	NG	SW8270C	ug/l	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic TICs								ND	ND	
CAPROLACTAM	NG	NG	SW8270C	ug/l	5 J					
UNKNOWN	NG	NG	SW8270C	ug/l	5 J	10 J	4 J			5 J
UNKNOWN	NG	NG	SW8270C	ug/l	7 J	17 J	34 J			9 J
UNKNOWN ALKANE	NG	NG	SW8270C	ug/l			21 J			

NA = not available
ND = analyte was not detected above the laboratory detection limit
NG= No Guidance
NOC= No of concern, value above constituent water solubility
Results formatted in **bold** are in exceedance of the PA Act II Guidelines
PA-UA-2500-RES = PA Act II Standards, Used Aquifer, TDS <2500, Residential (November 24, 2001)

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	DPW-01	DPW-01	DPW-02	DPW-02	DPW-03	DPW-03	DPW-04	DPW-04
Sample Date					06/26/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/25/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
Metals												
ANTIMONY	0.006	NG	SW6010B	mg/l	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
ARSENIC	0.05	NG	SW6010B	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
BERYLLIUM	0.004	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
CADMIUM	0.005	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
CHROMIUM	0.1	NG	SW6010B	mg/l	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
COPPER	1	NG	SW6010B	mg/l	0.0106	0.0106	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
LEAD	0.005	NG	SW6010B	mg/l	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069
MERCURY	0.002	NG	SW7470A	mg/l	< 0.000056	0.000056 J	< 0.000056	< 0.000056	< 0.000056	< 0.000056	< 0.000056	< 0.000056
NICKEL	0.1	NG	SW6010B	mg/l	0.0242	0.0239	< 0.0056	< 0.0056	< 0.0056	< 0.0056	0.0088 J	0.0065 J
SELENIUM	0.05	NG	SW6010B	mg/l	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
SILVER	0.1	NG	SW6010B	mg/l	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016
THALLIUM	0.002	NG	SW6010B	mg/l	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105
ZINC	2	NG	SW6010B	mg/l	0.0565	0.0506	< 0.0081	< 0.0081	< 0.0081	< 0.0081	0.112	0.0687
Pesticides												
4,4'-DDD	0.62	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
4,4'-DDE	1.9	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
4,4'-DDT	1.9	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ALDRIN	0.0087	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ALPHA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
alpha-BHC	0.1	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
beta-BHC	0.37	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
CAMPHECHLOR	3	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
delta-BHC	22	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
DIELDRIN	0.041	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDOSULFAN SULFATE	120	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDOSULFAN-I	220	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDOSULFAN-II	220	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDRIN	2	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDRIN ALDEHYDE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDRIN KETONE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
GAMMA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
gamma-BHC (LINDANE)	0.2	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
HEPTACHLOR	0.4	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
HEPTACHLOR EPOXIDE	0.2	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
METHOXYCHLOR	40	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
PCBs												
AROCLOR 1016	2.6	NG	SW8082	ug/l	< 0.1	< 0.098	< 0.1	< 0.097	< 0.1	< 0.11	< 0.11	< 0.1
AROCLOR 1221	1.3	NG	SW8082	ug/l	< 0.1	< 0.098	< 0.1	< 0.097	< 0.1	< 0.11	< 0.11	< 0.1
AROCLOR 1232	1.3	NG	SW8082	ug/l	< 0.1	< 0.098	< 0.1	< 0.097	< 0.1	< 0.11	< 0.11	< 0.1
AROCLOR 1242	1.3	NG	SW8082	ug/l	< 0.1	< 0.098	< 0.1	< 0.097	< 0.1	< 0.11	< 0.11	< 0.1
AROCLOR 1248	0.37	NG	SW8082	ug/l	< 0.1	< 0.098	< 0.1	< 0.097	**0.87**	**0.79**	< 0.11	< 0.1
AROCLOR 1254	0.37	NG	SW8082	ug/l	**0.54**	< 0.098	< 0.1	< 0.097	< 0.1	< 0.11	< 0.11	< 0.1
AROCLOR 1260	1.1	NG	SW8082	ug/l	< 0.1	< 0.098	< 0.1	< 0.097	< 0.1	< 0.11	< 0.11	< 0.1

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-01	DPW-01	DPW-02	DPW-02	DPW-03	DPW-03	DPW-04	DPW-04
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/25/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
VOCs												
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHYLENE	7	160,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	1.4 J	< 1	< 1	< 1	4.1 J	1.7 J	2.9 J	< 1
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	3,700	NOC	SW8260B	ug/l	6	< 3	< 3	< 3	< 3	< 3	< 3	< 3
BENZENE	5	3,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMOMETHANE	10	4,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	< 0.1	0.2 J	< 0.1	< 0.1	< 0.1	0.2 J	< 0.1	< 0.1
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROBENZENE	100	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLORODIBROMOMETHANE	100	3,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROETHANE	230	22,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROFORM	100	410	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROMETHANE	3	17,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	< 0.1	< 0.1	0.4 J	1.6	< 0.1	< 0.1	0.3 J	0.2 J
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
DICHLOROMETHANE	5	77,000	SW8260B	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	0.5	< 0.2	< 0.2	< 0.2
ETHYLBENZENE	700	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
METHYL N-BUTYL KETONE	NG	NG	SW8260B	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE (MONOMER)	100	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	< 0.1	< 0.1	**5.4**	**9.8**	< 0.1	< 0.1	0.2 J	0.2 J
TOLUENE	1,000	490,000	SW8260B	ug/l	0.2 J	< 0.1	< 0.1	0.1 J	0.1 J	< 0.1	< 0.1	< 0.1
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRIBROMOMETHANE	100	180,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRICHLOROETHYLENE	5	14,000	SW8260B	ug/l	< 0.1	< 0.1	0.2 J	0.4 J	< 0.1	< 0.1	0.5 J	0.4 J
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	< 0.1	0.1 J	< 0.1	0.3 J	< 0.1	0.2 J	< 0.1	< 0.1
VOC TICs												
CFC (FREON 113)	83000	NG	SW8260	ug/l								
ETHANE, 1,1,2-TRICHLORO-1,2	NG	NG	SW8260	ug/l								
PROPYLENE (PROPENE)	NG	NG	SW8260	ug/l								

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID Sample Date Sample Type	PA-UA-2500-RES	PA Defaults Residential Volatilization to Indoor Air Screen	Analytical Method	Units	DPW-01 06/26/07 N	DPW-01 07/10/07 N	DPW-02 06/26/07 N	DPW-02 07/09/07 N	DPW-03 06/26/07 N	DPW-03 07/10/07 N	DPW-04 06/25/07 N	DPW-04 07/09/07 N
SVOCs												
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2,4,5-TRICHLOROPHENOL	3,700	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	< 4	< 3	< 6	< 3	< 3	< 3	< 3	< 3
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	< 24	< 20	< 39	< 19	< 20	< 22	< 20	< 20
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2-METHYLNAPHTHALENE	730	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2-METHYLPHENOL	1,800	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
2-NITROPHENOL	290	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
3-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	< 6	< 5	< 10	< 5	< 5	< 5	< 5	< 5
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
4-METHTYLPHENOL	180	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
4-NITROPHENOL	60	NG	SW8270C	ug/l	< 12	< 10	< 20	< 10	< 10	< 11	< 10	< 10
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
ANTHRACENE	66	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
CARBAZOLE	33	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
CHRYSENE	1.9	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
DIBENZOFURAN	NG	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-01	DPW-01	DPW-02	DPW-02	DPW-03	DPW-03	DPW-04	DPW-04
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/25/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
SVOCs (cont'd)												
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	2 J	< 2	< 4	< 2	< 2	< 2	< 2	< 2
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
FLUORANTHENE	260	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
FLUORENE	1,500	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
HEXACHLORO-1,3-BUTADIENE	1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	< 6	< 5	< 10	< 5	< 5	< 5	< 5	< 5
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
ISOPHORONE	100	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
M-DICHLOROBENZENE	600	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
NAPHTHALENE	100	25,000	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
NITROBENZENE	18	290,000	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2
P-CHLOROANILINE	150	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	< 4	< 3	< 6	< 3	< 3	< 3	< 3	< 3
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
PHENOL	4,000	NOC	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
P-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
PYRENE	130	NG	SW8270C	ug/l	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1
SVOC TICs												
1,1-BIPHENYL	1800	NOC	SW8270	ug/l								
4-METHTYLPHENOL	180	NG	SW8270	ug/l								
BENZOIC ACID	150000	NG	SW8270	ug/l								55 J
BENZYL ALCOHOL	11000	NG	SW8270	ug/l								
CYCLIC OCTAATOMIC SULFUR	NG	NG	SW8270	ug/l							27 J	
DIACETONE ALCOHOL	NG	NG	SW8270	ug/l								
UNKNOWN (TOTAL)	NG	NG	SW8270	ug/l	30 J	158 J	120 J	106 J	178 J	231 J	4 J	58 J
UNKNOWN ALKANE (TOTAL)	NG	NG	SW8270	ug/l			15 JB					

J = estimated value
-- = Not Analyzed
< = analyte not detected at or above the specified laboratory detection limit
NG= No Guidance
NOC= No of concern, value above constituent water solubility
TICs = Tentatively Identified Compounds
Sample Types: N = Normal; FD = Field Duplicate
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use
Results formatted in **bold** are in exceedance of the PA-UA-2500-RES guideline.

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-05	DPW-05	DPW-07	DPW-07	DPW-08	DPW-08	DPW-09	DPW-09
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/25/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/26/07	07/10/07
Sample Type					N	N	N	N	N	N	N	N
Metals												
ANTIMONY	0.006	NG	SW6010B	mg/l	< 0.0097	< 0.0097	< 0.0097	< 0.0097	**0.012 J**	< 0.0097	< 0.0097	< 0.0097
ARSENIC	0.05	NG	SW6010B	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
BERYLLIUM	0.004	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
CADMIUM	0.005	NG	SW6010B	mg/l	< 0.0009	0.0017 J	< 0.0009	< 0.0009	< 0.0009	< 0.0009	0.0014 J	0.0015 J
CHROMIUM	0.1	NG	SW6010B	mg/l	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	0.0032 J
COPPER	1	NG	SW6010B	mg/l	< 0.0022	< 0.0022	0.0046 J	0.0032 J	0.0256	0.0372	< 0.0022	0.0062 J
LEAD	0.005	NG	SW6010B	mg/l	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069
MERCURY	0.002	NG	SW7470A	mg/l	< 0.000056	0.000064 J	< 0.000056	0.000078 J	< 0.000056	0.000058 J	< 0.000056	< 0.000056
NICKEL	0.1	NG	SW6010B	mg/l	< 0.0056	< 0.0056	0.0191	0.0138	< 0.0056	0.0071 J	0.0077 J	0.0604
SELENIUM	0.05	NG	SW6010B	mg/l	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
SILVER	0.1	NG	SW6010B	mg/l	< 0.0016	< 0.0016	< 0.0016	< 0.0016	0.0016 J	< 0.0016	< 0.0016	< 0.0016
THALLIUM	0.002	NG	SW6010B	mg/l	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105
ZINC	2	NG	SW6010B	mg/l	< 0.0081	0.0109 J	0.419	0.334	< 0.0081	0.0172 J	0.0289	0.033
Pesticides												
4,4'-DDD	0.62	NG	SW8081A	ug/l	--	--	< 0.0041	< 0.004	< 0.0038	< 0.0041	--	--
4,4'-DDE	1.9	NG	SW8081A	ug/l	--	--	< 0.0051	< 0.005	0.0059 J	< 0.0052	--	--
4,4'-DDT	1.9	NG	SW8081A	ug/l	--	--	< 0.0062	< 0.0061	< 0.0057	< 0.0062	--	--
ALDRIN	0.0087	NG	SW8081A	ug/l	--	--	< 0.0041	< 0.004	< 0.0038	< 0.0041	--	--
ALPHA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	< 0.0031	< 0.003	< 0.0029	< 0.0031	--	--
alpha-BHC	0.1	NG	SW8081A	ug/l	--	--	< 0.0028	< 0.0027	< 0.0026	< 0.0028	--	--
beta-BHC	0.37	NG	SW8081A	ug/l	--	--	< 0.0082	< 0.0081	< 0.0076	< 0.0083	--	--
CAMPHECHLOR	3	NG	SW8081A	ug/l	--	--	< 0.31	< 0.3	< 0.29	< 0.31	--	--
delta-BHC	22	NG	SW8081A	ug/l	--	--	< 0.0082	< 0.0081	< 0.0076	< 0.0083	--	--
DIELDRIN	0.041	NG	SW8081A	ug/l	--	--	< 0.0041	< 0.004	< 0.0038	< 0.0041	--	--
ENDOSULFAN SULFATE	120	NG	SW8081A	ug/l	--	--	< 0.012	< 0.012	< 0.011	< 0.012	--	--
ENDOSULFAN-I	220	NG	SW8081A	ug/l	--	--	< 0.0031	< 0.003	0.0036 J	< 0.0031	--	--
ENDOSULFAN-II	220	NG	SW8081A	ug/l	--	--	< 0.0041	< 0.004	< 0.0038	0.015 J	--	--
ENDRIN	2	NG	SW8081A	ug/l	--	--	< 0.0041	< 0.004	< 0.0038	< 0.0041	--	--
ENDRIN ALDEHYDE	NG	NG	SW8081A	ug/l	--	--	< 0.021	< 0.02	< 0.019	< 0.021	--	--
ENDRIN KETONE	NG	NG	SW8081A	ug/l	--	--	< 0.013	< 0.013	< 0.012	< 0.013	--	--
GAMMA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	< 0.0031	< 0.003	< 0.0029	< 0.0031	--	--
gamma-BHC (LINDANE)	0.2	NG	SW8081A	ug/l	--	--	< 0.0021	< 0.002	0.0046 J	< 0.0021	--	--
HEPTACHLOR	0.4	NG	SW8081A	ug/l	--	--	< 0.0031	< 0.003	< 0.0029	< 0.0031	--	--
HEPTACHLOR EPOXIDE	0.2	NG	SW8081A	ug/l	--	--	< 0.0082	< 0.0081	< 0.0076	< 0.0083	--	--
METHOXYCHLOR	40	NG	SW8081A	ug/l	--	--	< 0.031	< 0.03	< 0.029	< 0.031	--	--
PCBs												
AROCLOR 1016	2.6	NG	SW8082	ug/l	< 0.1	< 0.099	< 0.1	< 0.1	< 0.095	< 0.1	< 0.1	< 0.1
AROCLOR 1221	1.3	NG	SW8082	ug/l	< 0.1	< 0.099	< 0.16	< 0.16	< 0.15	< 0.17	< 0.1	< 0.1
AROCLOR 1232	1.3	NG	SW8082	ug/l	< 0.1	< 0.099	< 0.1	< 0.1	< 0.095	< 0.1	< 0.1	< 0.1
AROCLOR 1242	1.3	NG	SW8082	ug/l	< 0.1	< 0.099	< 0.1	< 0.1	< 0.095	< 0.1	< 0.1	< 0.1
AROCLOR 1248	0.37	NG	SW8082	ug/l	0.18 J	**0.76**	< 0.1	< 0.1	0.18 J	< 0.1	< 0.1	< 0.1
AROCLOR 1254	0.37	NG	SW8082	ug/l	< 0.1	< 0.099	< 0.1	< 0.1	0.22 J	0.22 J	< 0.1	< 0.1
AROCLOR 1260	1.1	NG	SW8082	ug/l	< 0.1	< 0.099	< 0.1	< 0.1	< 0.095	< 0.1	< 0.1	< 0.1

Table 12
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Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-05	DPW-05	DPW-07	DPW-07	DPW-08	DPW-08	DPW-09	DPW-09
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/25/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/26/07	07/10/07
Sample Type					N	N	N	N	N	N	N	N
VOCs												
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHYLENE	7	160,000	SW8260B	ug/l	< 0.1	< 0.1	0.4 J	0.4 J	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	3.7 J	< 1	< 1	< 1	1.9 J	< 1	3.5 J	1.2 J
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	3,700	NOC	SW8260B	ug/l	< 3	< 3	< 3	< 3	8.7	3.4 J	< 3	< 3
BENZENE	5	3,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMOMETHANE	10	4,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	< 0.1	0.2 J	< 0.1	0.1 J	0.1 J	< 0.1	< 0.1	< 0.1
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROBENZENE	100	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLORODIBROMOMETHANE	100	3,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROETHANE	230	22,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	< 0.1	< 0.1
CHLOROFORM	100	410	SW8260B	ug/l	< 0.1	< 0.1	0.8	1.1	0.1 J	0.2 J	0.2 J	0.3 J
CHLOROMETHANE	3	17,000	SW8260B	ug/l	< 0.1	0.1 J	< 0.1	< 0.1	0.2 J	0.3 J	< 0.1	< 0.1
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	1.5	1.4	45	42	13	11	< 0.1	< 0.1
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
DICHLOROMETHANE	5	77,000	SW8260B	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	**7.6**	3	0.3 J	< 0.2
ETHYLBENZENE	700	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J
METHYL N-BUTYL KETONE	NG	NG	SW8260B	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE (MONOMER)	100	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	1.4	1.4	3.6	4.3	**28**	**46**	< 0.1	< 0.1
TOLUENE	1,000	490,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	< 0.1	< 0.1	2.5	2.8	0.4 J	0.4 J	< 0.1	< 0.1
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRIBROMOMETHANE	100	180,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRICHLOROETHYLENE	5	14,000	SW8260B	ug/l	0.4 J	0.4 J	**21**	**21**	**7.9**	**8.2**	0.1 J	< 0.1
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	0.2 J	0.3 J	1.1	1.2	1.1	0.9	< 0.1	< 0.1
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	0.1 J	< 0.1	0.2 J	< 0.1	0.5
VOC TICs												
CFC (FREON 113)	83000	NG	SW8260	ug/l		8 J						
ETHANE, 1,1,2-TRICHLORO-1,2	NG	NG	SW8260	ug/l	9 J							
PROPYLENE (PROPENE)	NG	NG	SW8260	ug/l				3 J				

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-05	DPW-05	DPW-07	DPW-07	DPW-08	DPW-08	DPW-09	DPW-09
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/25/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/26/07	07/10/07
Sample Type					N	N	N	N	N	N	N	N
SVOCs												
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2,4,5-TRICHLOROPHENOL	3,700	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	< 3	< 3	< 3	< 3	< 20	< 3	< 4	< 3
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	< 20	< 21	< 21	< 21	< 130	< 21	< 26	< 20
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2-METHYLNAPHTHALENE	730	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2-METHYLPHENOL	1,800	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
2-NITROPHENOL	290	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
3-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	< 5	< 5	< 5	< 5	< 33	< 5	< 6	< 5
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
4-METHTYLPHENOL	180	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
4-NITROPHENOL	60	NG	SW8270C	ug/l	< 10	< 10	< 10	< 10	< 66	< 10	< 13	< 10
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
ANTHRACENE	66	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
CARBAZOLE	33	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
CHRYSENE	1.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
DIBENZOFURAN	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-05	DPW-05	DPW-07	DPW-07	DPW-08	DPW-08	DPW-09	DPW-09
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/25/07	07/10/07	06/26/07	07/09/07	06/26/07	07/10/07	06/26/07	07/10/07
Sample Type					N	N	N	N	N	N	N	N
SVOCs (cont'd)												
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
FLUORANTHENE	260	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
FLUORENE	1,500	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
HEXACHLORO-1,3-BUTADIENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	< 5	< 5	< 5	< 5	< 33	< 5	< 6	< 5
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
ISOPHORONE	100	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
M-DICHLOROBENZENE	600	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
NAPHTHALENE	100	25,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
NITROBENZENE	18	290,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 13	< 2	< 3	< 2
P-CHLOROANILINE	150	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	< 3	< 3	< 3	< 3	< 20	< 3	< 4	< 3
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
PHENOL	4,000	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
P-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
PYRENE	130	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 7	< 1	< 1	< 1
SVOC TICs												
1,1-BIPHENYL	1800	NOC	SW8270	ug/l								
4-METHTYLPHENOL	180	NG	SW8270	ug/l								
BENZOIC ACID	150000	NG	SW8270	ug/l								
BENZYL ALCOHOL	11000	NG	SW8270	ug/l								
CYCLIC OCTAATOMIC SULFUR	NG	NG	SW8270	ug/l		10 J					630 J	
DIACETONE ALCOHOL	NG	NG	SW8270	ug/l				5 J				
UNKNOWN (TOTAL)	NG	NG	SW8270	ug/l	4 J	78 J	167 J	119 J	607 J	288 J	230 J	50 J
UNKNOWN ALKANE (TOTAL)	NG	NG	SW8270	ug/l						24 J		

J = estimated value
-- = Not Analyzed
< = analyte not detected at or above the specified laboratory detection limit
NG= No Guidance
NOC= No of concern, value above constituent water solubility
TICs = Tentatively Identified Compounds
Sample Types: N = Normal; FD = Field Duplicate
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use
Results formatted in **bold** are in exceedance of the PA-UA-2500-RES guideline.

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-10	DPW-10	DPW-11	DPW-11	DPW-12	DPW-12	MW-02	MW-02
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/10/07	06/25/07	07/10/07	06/26/07	07/10/07	06/26/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
Metals												
ANTIMONY	0.006	NG	SW6010B	mg/l	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
ARSENIC	0.05	NG	SW6010B	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
BERYLLIUM	0.004	NG	SW6010B	mg/l	< 0.0009	0.0018 J	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
CADMIUM	0.005	NG	SW6010B	mg/l	0.002 J	0.0045 J	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
CHROMIUM	0.1	NG	SW6010B	mg/l	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
COPPER	1	NG	SW6010B	mg/l	< 0.0022	< 0.0022	0.0023 J	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
LEAD	0.005	NG	SW6010B	mg/l	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069
MERCURY	0.002	NG	SW7470A	mg/l	< 0.000056	0.000076 J	< 0.000056	< 0.000056	< 0.000056	< 0.000056	< 0.000056	< 0.000056
NICKEL	0.1	NG	SW6010B	mg/l	0.0138	0.014	< 0.0056	< 0.0056	< 0.0056	< 0.0056	0.0308	0.0291
SELENIUM	0.05	NG	SW6010B	mg/l	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
SILVER	0.1	NG	SW6010B	mg/l	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	0.0029 J	< 0.0016
THALLIUM	0.002	NG	SW6010B	mg/l	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105
ZINC	2	NG	SW6010B	mg/l	0.25	0.286	< 0.0081	0.015 J	< 0.0081	< 0.0081	0.0176 J	0.0246
Pesticides												
4,4'-DDD	0.62	NG	SW8081A	ug/l	--	--	--	--	< 0.0039	< 0.0039	< 0.004	< 0.0038
4,4'-DDE	1.9	NG	SW8081A	ug/l	--	--	--	--	< 0.0049	< 0.0049	< 0.005	< 0.0048
4,4'-DDT	1.9	NG	SW8081A	ug/l	--	--	--	--	< 0.0059	< 0.0059	< 0.006	< 0.0058
ALDRIN	0.0087	NG	SW8081A	ug/l	--	--	--	--	< 0.0039	< 0.0039	< 0.004	< 0.0038
ALPHA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--	--	< 0.003	< 0.0029	< 0.003	< 0.0029
alpha-BHC	0.1	NG	SW8081A	ug/l	--	--	--	--	< 0.0027	< 0.0026	< 0.0027	< 0.0026
beta-BHC	0.37	NG	SW8081A	ug/l	--	--	--	--	< 0.0079	< 0.0078	0.0098 J	< 0.0077
CAMPHECHLOR	3	NG	SW8081A	ug/l	--	--	--	--	< 0.29	< 0.29	< 0.3	< 0.29
delta-BHC	22	NG	SW8081A	ug/l	--	--	--	--	< 0.0079	< 0.0078	< 0.008	< 0.0077
DIELDRIN	0.041	NG	SW8081A	ug/l	--	--	--	--	< 0.0039	< 0.0039	< 0.004	< 0.0038
ENDOSULFAN SULFATE	120	NG	SW8081A	ug/l	--	--	--	--	< 0.012	< 0.012	< 0.012	< 0.012
ENDOSULFAN-I	220	NG	SW8081A	ug/l	--	--	--	--	< 0.003	< 0.0029	< 0.003	< 0.0029
ENDOSULFAN-II	220	NG	SW8081A	ug/l	--	--	--	--	< 0.0039	< 0.0039	< 0.004	< 0.0038
ENDRIN	2	NG	SW8081A	ug/l	--	--	--	--	< 0.0039	< 0.0039	< 0.004	< 0.0038
ENDRIN ALDEHYDE	NG	NG	SW8081A	ug/l	--	--	--	--	< 0.02	< 0.02	< 0.02	< 0.019
ENDRIN KETONE	NG	NG	SW8081A	ug/l	--	--	--	--	< 0.013	< 0.013	< 0.013	< 0.012
GAMMA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--	--	< 0.003	< 0.0029	< 0.003	< 0.0029
gamma-BHC (LINDANE)	0.2	NG	SW8081A	ug/l	--	--	--	--	0.0021 J	< 0.002	< 0.002	< 0.0019
HEPTACHLOR	0.4	NG	SW8081A	ug/l	--	--	--	--	< 0.003	< 0.0029	< 0.003	< 0.0029
HEPTACHLOR EPOXIDE	0.2	NG	SW8081A	ug/l	--	--	--	--	< 0.0079	< 0.0078	< 0.008	< 0.0077
METHOXYCHLOR	40	NG	SW8081A	ug/l	--	--	--	--	< 0.029	< 0.029	< 0.03	< 0.029
PCBs												
AROCLOR 1016	2.6	NG	SW8082	ug/l	< 1	< 0.1	< 0.1	< 0.1	< 0.098	< 0.098	< 0.099	< 0.096
AROCLOR 1221	1.3	NG	SW8082	ug/l	< 1	< 0.1	< 0.1	< 0.1	< 0.16	< 0.16	< 0.16	< 0.15
AROCLOR 1232	1.3	NG	SW8082	ug/l	< 1	< 0.1	< 0.1	< 0.1	< 0.098	< 0.098	< 0.099	< 0.096
AROCLOR 1242	1.3	NG	SW8082	ug/l	< 1	< 0.1	< 0.1	< 0.1	< 0.098	< 0.098	< 0.099	< 0.096
AROCLOR 1248	0.37	NG	SW8082	ug/l	< 1	< 0.1	< 0.1	< 0.1	< 0.098	< 0.098	< 0.099	< 0.096
AROCLOR 1254	0.37	NG	SW8082	ug/l	**1.1 J**	0.22 J	< 0.1	< 0.1	0.11 J	< 0.098	< 0.099	< 0.096
AROCLOR 1260	1.1	NG	SW8082	ug/l	< 1	< 0.1	< 0.1	< 0.1	< 0.098	< 0.098	< 0.099	< 0.096

Table 12
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Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-10	DPW-10	DPW-11	DPW-11	DPW-12	DPW-12	MW-02	MW-02
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/10/07	06/25/07	07/10/07	06/26/07	07/10/07	06/26/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
VOCs												
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHYLENE	7	160,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	4.1 J	1.4 J	2.6 J	< 1	4.4 J	1.3 J	2.2 J	< 1
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	3,700	NOC	SW8260B	ug/l	< 3	< 3	< 3	< 3	7.6	5.8	< 3	< 3
BENZENE	5	3,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2 J
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMOMETHANE	10	4,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	0.3 J	0.3 J	0.1 J	< 0.1	< 0.1
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROBENZENE	100	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLORODIBROMOMETHANE	100	3,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROETHANE	230	22,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	< 0.1	< 0.1
CHLOROFORM	100	410	SW8260B	ug/l	< 0.1	< 0.1	0.1 J	0.1 J	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROMETHANE	3	17,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	0.2 J	0.1 J	< 0.1
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	0.2 J	< 0.1	< 0.1	< 0.1
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
DICHLOROMETHANE	5	77,000	SW8260B	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
ETHYLBENZENE	700	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	0.4 J	0.1 J	< 0.1	< 0.1
METHYL N-BUTYL KETONE	NG	NG	SW8260B	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE (MONOMER)	100	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TOLUENE	1,000	490,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.1 J	0.5 J	< 0.1
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRIBROMOMETHANE	100	180,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRICHLOROETHYLENE	5	14,000	SW8260B	ug/l	0.2 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	< 0.1	0.2 J	< 0.1	0.1 J	7.9	0.6	< 0.1	< 0.1
VOC TICs												
CFC (FREON 113)	83000	NG	SW8260	ug/l								
ETHANE, 1,1,2-TRICHLORO-1,2	NG	NG	SW8260	ug/l								
PROPYLENE (PROPENE)	NG	NG	SW8260	ug/l								

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-10	DPW-10	DPW-11	DPW-11	DPW-12	DPW-12	MW-02	MW-02
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/10/07	06/25/07	07/10/07	06/26/07	07/10/07	06/26/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
SVOCs												
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2,4,5-TRICHLOROPHENOL	3,700	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	< 3	< 3	< 3	< 4	< 5	< 3	< 3	< 3
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	< 21	< 20	< 19	< 26	< 36	< 20	< 21	< 21
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2-METHYLNAPHTHALENE	730	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2-METHYLPHENOL	1,800	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	290	< 1	< 1	< 1
2-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
2-NITROPHENOL	290	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
3-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	< 5	< 5	< 5	< 7	< 9	< 5	< 5	< 5
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
4-METHTYLPHENOL	180	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	86	< 2	< 2	< 2
4-NITROPHENOL	60	NG	SW8270C	ug/l	< 10	< 10	< 10	< 13	< 18	< 10	< 11	< 10
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
ANTHRACENE	66	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
CARBAZOLE	33	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
CHRYSENE	1.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
DIBENZOFURAN	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			DPW-10	DPW-10	DPW-11	DPW-11	DPW-12	DPW-12	MW-02	MW-02
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/10/07	06/25/07	07/10/07	06/26/07	07/10/07	06/26/07	07/09/07
Sample Type					N	N	N	N	N	N	N	N
SVOCs (cont'd)												
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
FLUORANTHENE	260	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
FLUORENE	1,500	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
HEXACHLORO-1,3-BUTADIENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	< 5	< 5	< 5	< 7	< 9	< 5	< 5	< 5
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
ISOPHORONE	100	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
M-DICHLOROBENZENE	600	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
NAPHTHALENE	100	25,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	2 J	< 1	< 1	< 1
NITROBENZENE	18	290,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	< 2	< 2	< 2	< 3	< 4	< 2	< 2	< 2
P-CHLOROANILINE	150	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	< 3	< 3	< 3	< 4	< 5	< 3	< 3	< 3
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
PHENOL	4,000	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
P-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
PYRENE	130	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1
SVOC TICs												
1,1-BIPHENYL	1800	NOC	SW8270	ug/l								120 JB
4-METHTYLPHENOL	180	NG	SW8270	ug/l								
BENZOIC ACID	150000	NG	SW8270	ug/l								
BENZYL ALCOHOL	11000	NG	SW8270	ug/l								
CYCLIC OCTAATOMIC SULFUR	NG	NG	SW8270	ug/l			9 J	23 J				
DIACETONE ALCOHOL	NG	NG	SW8270	ug/l								
UNKNOWN (TOTAL)	NG	NG	SW8270	ug/l	209 J	144 J	4 J	145 J	392 J	278 J	144 J	165 J
UNKNOWN ALKANE (TOTAL)	NG	NG	SW8270	ug/l							29 J	

J = estimated value
-- = Not Analyzed
< = analyte not detected at or above the specified laboratory detection limit
NG= No Guidance
NOC= No of concern, value above constituent water solubility
TICs = Tentatively Identified Compounds
Sample Types: N = Normal; FD = Field Duplicate
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use
Results formatted in **bold** are in exceedance of the PA-UA-2500-RES guideline.

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			MW-03	MW-03	POMW-01	POMW-01	POMW-03	POMW-03	PW-02	PW-02
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	06/26/07
Sample Type					N	N	N	N	N	N	N	FD
Metals												
ANTIMONY	0.006	NG	SW6010B	mg/l	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097	< 0.0097
ARSENIC	0.05	NG	SW6010B	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
BERYLLIUM	0.004	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009
CADMIUM	0.005	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.0009	0.00091 J	< 0.0009	< 0.0009
CHROMIUM	0.1	NG	SW6010B	mg/l	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023	< 0.0023
COPPER	1	NG	SW6010B	mg/l	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	0.0062 J	0.0089 J
LEAD	0.005	NG	SW6010B	mg/l	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069	< 0.0069
MERCURY	0.002	NG	SW7470A	mg/l	< 0.000056	0.000061 J	< 0.000056	0.000056 J	< 0.000056	< 0.000056	< 0.000056	< 0.000056
NICKEL	0.1	NG	SW6010B	mg/l	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056
SELENIUM	0.05	NG	SW6010B	mg/l	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094	< 0.0094
SILVER	0.1	NG	SW6010B	mg/l	0.0043 J	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016
THALLIUM	0.002	NG	SW6010B	mg/l	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105	< 0.0105
ZINC	2	NG	SW6010B	mg/l	< 0.0081	< 0.0081	< 0.0081	< 0.0081	< 0.0081	0.0145 J	0.241	0.354
Pesticides												
4,4'-DDD	0.62	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
4,4'-DDE	1.9	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
4,4'-DDT	1.9	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ALDRIN	0.0087	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ALPHA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
alpha-BHC	0.1	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
beta-BHC	0.37	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
CAMPHECHLOR	3	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
delta-BHC	22	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
DIELDRIN	0.041	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDOSULFAN SULFATE	120	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDOSULFAN-I	220	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDOSULFAN-II	220	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDRIN	2	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDRIN ALDEHYDE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
ENDRIN KETONE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
GAMMA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
gamma-BHC (LINDANE)	0.2	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
HEPTACHLOR	0.4	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
HEPTACHLOR EPOXIDE	0.2	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
METHOXYCHLOR	40	NG	SW8081A	ug/l	--	--	--	--	--	--	--	--
PCBs												
AROCLOR 1016	2.6	NG	SW8082	ug/l	< 0.1	< 0.095	< 1	< 0.1	< 0.1	< 0.1	< 0.099	< 0.096
AROCLOR 1221	1.3	NG	SW8082	ug/l	< 0.1	< 0.095	< 1	< 0.1	< 0.1	1.1	< 0.099	< 0.096
AROCLOR 1232	1.3	NG	SW8082	ug/l	< 0.1	< 0.095	< 1	< 0.1	< 0.1	< 0.1	< 0.099	< 0.096
AROCLOR 1242	1.3	NG	SW8082	ug/l	< 0.1	< 0.095	**2.2 J**	< 0.1	0.56	0.47 J	< 0.099	< 0.096
AROCLOR 1248	0.37	NG	SW8082	ug/l	< 0.1	< 0.095	< 1	< 0.1	< 0.1	< 0.1	< 0.099	< 0.096
AROCLOR 1254	0.37	NG	SW8082	ug/l	< 0.1	< 0.095	< 1	< 0.1	< 0.1	< 0.1	< 0.099	< 0.096
AROCLOR 1260	1.1	NG	SW8082	ug/l	< 0.1	< 0.095	< 1	< 0.1	< 0.1	< 0.1	< 0.099	< 0.096

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			MW-03	MW-03	POMW-01	POMW-01	POMW-03	POMW-03	PW-02	PW-02
Sample Date	**PA-UA-2500-RES**		**Analytical Method**	**Units**	06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	06/26/07
Sample Type					N	N	N	N	N	N	N	FD
VOCs												
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHYLENE	7	160,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	0.1 J
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	< 500	< 100	< 1	< 1	< 1	< 1	1.1 J	1.3 J
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	< 500	< 100	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	3,700	NOC	SW8260B	ug/l	< 1500	< 300	< 3	< 3	< 3	< 3	< 3	< 3
BENZENE	5	3,500	SW8260B	ug/l	< 50	**27 J**	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
BROMOMETHANE	10	4,500	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROBENZENE	100	27,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLORODIBROMOMETHANE	100	3,800	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROETHANE	230	22,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CHLOROFORM	100	410	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	0.3 J	0.3 J
CHLOROMETHANE	3	17,000	SW8260B	ug/l	< 50	< 10	0.1 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	0.4 J	0.4 J	0.9	0.9
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
DICHLOROMETHANE	5	77,000	SW8260B	ug/l	**200 J**	**32 J**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
ETHYLBENZENE	700	27,000	SW8260B	ug/l	< 50	10 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
METHYL N-BUTYL KETONE	NG	NG	SW8260B	ug/l	< 500	< 100	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE (MONOMER)	100	NOC	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	4.2	3.8	0.5 J	0.5 J
TOLUENE	1,000	490,000	SW8260B	ug/l	**63,000**	**16,000**	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	0.1 J
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	0.1 J	0.1 J
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRIBROMOMETHANE	100	180,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
TRICHLOROETHYLENE	5	14,000	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	1	1	**15**	**15**
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	< 50	< 10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	< 50	13 J	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
VOC TICs												
CFC (FREON 113)	83000	NG	SW8260	ug/l								
ETHANE, 1,1,2-TRICHLORO-1,2	NG	NG	SW8260	ug/l								
PROPYLENE (PROPENE)	NG	NG	SW8260	ug/l								

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID	PA-UA-2500-RES	PA Defaults Residential Volatilization to Indoor Air Screen	Analytical Method	Units	MW-03	MW-03	POMW-01	POMW-01	POMW-03	POMW-03	PW-02	PW-02
Sample Date					06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	06/26/07
Sample Type					N	N	N	N	N	N	N	FD
SVOCs												
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-TRICHLOROPHENOL	3,700	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 4	< 3
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	< 20	< 20	< 19	< 19	< 22	< 20	< 23	< 21
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-METHYLNAPHTHALENE	730	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-METHYLPHENOL	1,800	NG	SW8270C	ug/l	< 1	170	< 1	< 1	< 1	< 1	< 1	< 1
2-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-NITROPHENOL	290	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
3-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	< 5	< 5	< 5	< 5	< 6	< 5	< 6	< 5
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-METHTYLPHENOL	180	NG	SW8270C	ug/l	< 2	21	< 2	< 2	< 2	< 2	< 2	< 2
4-NITROPHENOL	60	NG	SW8270C	ug/l	< 10	< 10	< 10	< 10	< 11	< 10	< 12	< 10
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ANTHRACENE	66	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
CARBAZOLE	33	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CHRYSENE	1.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
DIBENZOFURAN	NG	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID		**PA Defaults Residential Volatilization to Indoor Air Screen**			MW-03	MW-03	POMW-01	POMW-01	POMW-03	POMW-03	PW-02	PW-02
Sample Date					06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	07/09/07	06/26/07	06/26/07
Sample Type	**PA-UA-2500-RES**		**Analytical Method**	**Units**	N	N	N	N	N	N	N	FD
SVOCs (cont'd)												
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
FLUORANTHENE	260	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
FLUORENE	1,500	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
HEXACHLORO-1,3-BUTADIENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	< 5	< 5	< 5	< 5	< 6	< 5	< 6	< 5
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ISOPHORONE	100	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
M-DICHLOROBENZENE	600	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NAPHTHALENE	100	25,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
NITROBENZENE	18	290,000	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
P-CHLOROANILINE	150	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	< 3	< 3	< 3	< 3	< 3	< 3	< 4	< 3
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
PHENOL	4,000	NOC	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
P-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
PYRENE	130	NG	SW8270C	ug/l	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SVOC TICs												
1,1-BIPHENYL	1800	NOC	SW8270	ug/l								
4-METHTYLPHENOL	180	NG	SW8270	ug/l								
BENZOIC ACID	150000	NG	SW8270	ug/l								
BENZYL ALCOHOL	11000	NG	SW8270	ug/l		23 J						
CYCLIC OCTAATOMIC SULFUR	NG	NG	SW8270	ug/l		20 J				10 J		
DIACETONE ALCOHOL	NG	NG	SW8270	ug/l		8 J						
UNKNOWN (TOTAL)	NG	NG	SW8270	ug/l	109 J	232 J	50 J	59J	48 J	54 J	57 J	81 J
UNKNOWN ALKANE (TOTAL)	NG	NG	SW8270	ug/l								

J = estimated value
-- = Not Analyzed
< = analyte not detected at or above the specified laboratory detection limit
NG= No Guidance
NOC= No of concern, value above constituent water solubility
TICs = Tentatively Identified Compounds
Sample Types: N = Normal; FD = Field Duplicate
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids </= 2500 mg/l, Residential Use
Results formatted in **bold** are in exceedance of the PA-UA-2500-RES guideline.

Table 12
Remedial Investigation Report
Groundwater Sampling Analytical Data Summary - June/July 2007
Former NVF Kennett Facility
Kennett Square, Pennsylvania

Location ID **Sample Date** **Sample Type**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	PW-02 07/10/07 N	PW-02 07/10/07 FD	PW-03 07/10/07 N
Metals							
ANTIMONY	0.006	NG	SW6010B	mg/l	< 0.0097	< 0.0097	< 0.0097
ARSENIC	0.05	NG	SW6010B	mg/l	< 0.01	< 0.01	< 0.01
BERYLLIUM	0.004	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009
CADMIUM	0.005	NG	SW6010B	mg/l	< 0.0009	< 0.0009	< 0.0009
CHROMIUM	0.1	NG	SW6010B	mg/l	< 0.0023	< 0.0023	< 0.0023
COPPER	1	NG	SW6010B	mg/l	0.0104	0.0135	0.0435
LEAD	0.005	NG	SW6010B	mg/l	< 0.0069	< 0.0069	< 0.0069
MERCURY	0.002	NG	SW7470A	mg/l	0.000063 J	0.000064 J	0.000065 J
NICKEL	0.1	NG	SW6010B	mg/l	< 0.0056	< 0.0056	< 0.0056
SELENIUM	0.05	NG	SW6010B	mg/l	< 0.0094	< 0.0094	< 0.0094
SILVER	0.1	NG	SW6010B	mg/l	< 0.0016	< 0.0016	< 0.0016
THALLIUM	0.002	NG	SW6010B	mg/l	< 0.0105	< 0.0105	< 0.0105
ZINC	2	NG	SW6010B	mg/l	0.127	0.133	0.0125 J
Pesticides							
4,4'-DDD	0.62	NG	SW8081A	ug/l	--	--	--
4,4'-DDE	1.9	NG	SW8081A	ug/l	--	--	--
4,4'-DDT	1.9	NG	SW8081A	ug/l	--	--	--
ALDRIN	0.0087	NG	SW8081A	ug/l	--	--	--
ALPHA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--
alpha-BHC	0.1	NG	SW8081A	ug/l	--	--	--
beta-BHC	0.37	NG	SW8081A	ug/l	--	--	--
CAMPHECHLOR	3	NG	SW8081A	ug/l	--	--	--
delta-BHC	22	NG	SW8081A	ug/l	--	--	--
DIELDRIN	0.041	NG	SW8081A	ug/l	--	--	--
ENDOSULFAN SULFATE	120	NG	SW8081A	ug/l	--	--	--
ENDOSULFAN-I	220	NG	SW8081A	ug/l	--	--	--
ENDOSULFAN-II	220	NG	SW8081A	ug/l	--	--	--
ENDRIN	2	NG	SW8081A	ug/l	--	--	--
ENDRIN ALDEHYDE	NG	NG	SW8081A	ug/l	--	--	--
ENDRIN KETONE	NG	NG	SW8081A	ug/l	--	--	--
GAMMA CHLORDANE	NG	NG	SW8081A	ug/l	--	--	--
gamma-BHC (LINDANE)	0.2	NG	SW8081A	ug/l	--	--	--
HEPTACHLOR	0.4	NG	SW8081A	ug/l	--	--	--
HEPTACHLOR EPOXIDE	0.2	NG	SW8081A	ug/l	--	--	--
METHOXYCHLOR	40	NG	SW8081A	ug/l	--	--	--
PCBs							
AROCLOR 1016	2.6	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095
AROCLOR 1221	1.3	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095
AROCLOR 1232	1.3	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095
AROCLOR 1242	1.3	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095
AROCLOR 1248	0.37	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095
AROCLOR 1254	0.37	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095
AROCLOR 1260	1.1	NG	SW8082	ug/l	< 0.098	< 0.098	< 0.095

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Location ID **Sample Date** **Sample Type**	**PA-UA-2500-RES**	**PA Defaults Residential Volatilization to Indoor Air Screen**	**Analytical Method**	**Units**	PW-02 07/10/07 N	PW-02 07/10/07 FD	PW-03 07/10/07 N
VOCs							
1,1,1-TRICHLOROETHANE	200	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
1,1,2,2-TETRACHLOROETHANE	0.3	3,700	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
1,1,2-TRICHLOROETHANE	5	5,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHANE	27	160,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
1,1-DICHLOROETHYLENE	7	160,000	SW8260B	ug/l	0.2 J	0.2 J	< 0.1
1,2-DICHLOROETHANE	5	2,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
1,2-DICHLOROPROPANE	5	3,900	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
2-BUTANONE	2,800	49,000,000	SW8260B	ug/l	< 1	< 1	< 1
4-METHYL-2-PENTANONE	190	540,000	SW8260B	ug/l	< 1	< 1	< 1
ACETONE	3,700	NOC	SW8260B	ug/l	< 3	< 3	< 3
BENZENE	5	3,500	SW8260B	ug/l	< 0.1	< 0.1	0.1 J
BROMODICHLOROMETHANE	100	1,600	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
BROMOMETHANE	10	4,500	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
CARBON DISULFIDE	1,900	550,000	SW8260B	ug/l	0.3 J	0.2 J	< 0.1
CARBON TETRACHLORIDE	5	1,400	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
CHLOROBENZENE	100	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
CHLORODIBROMOMETHANE	100	3,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
CHLOROETHANE	230	22,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
CHLOROFORM	100	410	SW8260B	ug/l	0.4 J	0.4 J	0.2 J
CHLOROMETHANE	3	17,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
CIS-1,2-DICHLOROETHENE	70	42,000	SW8260B	ug/l	2	1.9	< 0.1
CIS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
DICHLOROMETHANE	5	77,000	SW8260B	ug/l	< 0.2	< 0.2	< 0.2
ETHYLBENZENE	700	27,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
METHYL N-BUTYL KETONE	NG	NG	SW8260B	ug/l	< 1	< 1	< 1
STYRENE (MONOMER)	100	NOC	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
TETRACHLOROETHENE	5	42,000	SW8260B	ug/l	0.7	0.7	< 0.1
TOLUENE	1,000	490,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
TRANS-1,2-DICHLOROETHENE	100	59,000	SW8260B	ug/l	0.2 J	0.2 J	< 0.1
TRANS-1,3-DICHLOROPROPENE	NG	NG	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
TRIBROMOMETHANE	100	180,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
TRICHLOROETHYLENE	5	14,000	SW8260B	ug/l	**26**	**28**	< 0.1
VINYL CHLORIDE	2	1,800	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
XYLENES, TOTAL	10,000	130,000	SW8260B	ug/l	< 0.1	< 0.1	< 0.1
VOC TICs							
CFC (FREON 113)	83000	NG	SW8260	ug/l			
ETHANE, 1,1,2-TRICHLORO-1,2	NG	NG	SW8260	ug/l			
PROPYLENE (PROPENE)	NG	NG	SW8260	ug/l			

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SVOCs							
1,2,4-TRICHLOROBENZENE	70	NOC	SW8270C	ug/l	< 1	< 1	< 1
1,2-DICHLOROBENZENE	600	NOC	SW8270C	ug/l	< 1	< 1	< 1
1,4-DICHLOROBENZENE	75	7.5	SW8270C	ug/l	< 1	< 1	< 1
2,4,5-TRICHLOROPHENOL	3,700	NG	SW8270C	ug/l	< 1	< 1	< 1
2,4,6-TRICHLOROPHENOL	11	NG	SW8270C	ug/l	< 1	< 1	< 1
2,4-DICHLOROPHENOL	20	NG	SW8270C	ug/l	< 1	< 1	< 1
2,4-DIMETHYLPHENOL	730	NG	SW8270C	ug/l	< 3	< 3	< 3
2,4-DINITROPHENOL	19	NG	SW8270C	ug/l	< 20	< 20	< 19
2,4-DINITROTOLUENE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1
2,6-DINITROTOLUENE	37	NG	SW8270C	ug/l	< 1	< 1	< 1
2-CHLORONAPHTHALENE	2,900	NOC	SW8270C	ug/l	< 2	< 2	< 2
2-CHLOROPHENOL	40	160,000	SW8270C	ug/l	< 1	< 1	< 1
2-METHYLNAPHTHALENE	730	NG	SW8270C	ug/l	< 1	< 1	< 1
2-METHYLPHENOL	1,800	NG	SW8270C	ug/l	< 1	< 1	< 1
2-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1
2-NITROPHENOL	290	NOC	SW8270C	ug/l	< 1	< 1	< 1
3,3'-DICHLOROBENZIDINE	1.5	NG	SW8270C	ug/l	< 2	< 2	< 2
3-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1
4,6-DINITRO-2-METHYLPHENOL	NG	NG	SW8270C	ug/l	< 5	< 5	< 5
4-BROMOPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 1	< 1	< 1
4-CHLORO-3-METHYLPHENOL	180	NG	SW8270C	ug/l	< 1	< 1	< 1
4-CHLOROPHENYL PHENYL ETHER	NG	NG	SW8270C	ug/l	< 2	< 2	< 2
4-METHTYLPHENOL	180	NG	SW8270C	ug/l	< 2	< 2	< 2
4-NITROPHENOL	60	NG	SW8270C	ug/l	< 10	< 10	< 10
ACENAPHTHENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1
ACENAPHTHYLENE	2,200	NOC	SW8270C	ug/l	< 1	< 1	< 1
ANTHRACENE	66	NOC	SW8270C	ug/l	< 1	< 1	< 1
BENZO (A) ANTHRACENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1
BENZO (A) PYRENE	0.2	NG	SW8270C	ug/l	< 1	< 1	< 1
BENZO (B) FLUORANTHENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1
BENZO (G,H,I) PERYLENE	0.26	NG	SW8270C	ug/l	< 1	< 1	< 1
BENZO (K) FLUORANTHENE	0.55	NG	SW8270C	ug/l	< 1	< 1	< 1
BENZYL BUTYL PHTHALATE	2,700	NG	SW8270C	ug/l	< 2	< 2	< 2
BIS (2-CHLOROETHOXY) METHANE	NG	NG	SW8270C	ug/l	< 1	< 1	< 1
BIS (2-CHLOROETHYL) ETHER	0.13	NG	SW8270C	ug/l	< 1	< 1	< 1
BIS (2-CHLOROISOPROPYL) ETHER	300	NG	SW8270C	ug/l	< 1	< 1	< 1
BIS (2-ETHYLHEXYL) PTHALATE	6	NG	SW8270C	ug/l	< 2	< 2	< 2
CARBAZOLE	33	NG	SW8270C	ug/l	< 1	< 1	< 1
CHRYSENE	1.9	NG	SW8270C	ug/l	< 1	< 1	< 1
DIBENZO (A,H) ANTHRACENE	0.09	NG	SW8270C	ug/l	< 1	< 1	< 1
DIBENZOFURAN	NG	NG	SW8270C	ug/l	< 1	< 1	< 1
DIETHYL PHTHALATE	5,000	NG	SW8270C	ug/l	< 2	< 2	< 2
DIMETHYL PHTHALATE	NG	NG	SW8270C	ug/l	< 2	< 2	< 2

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SVOCs (cont'd)							
DI-N-BUTYL PHTHALATE	3,700	NG	SW8270C	ug/l	< 2	< 2	< 2
DI-N-OCTYL PTHALATE	730	NG	SW8270C	ug/l	< 2	< 2	< 2
FLUORANTHENE	260	NG	SW8270C	ug/l	< 1	< 1	< 1
FLUORENE	1,500	NOC	SW8270C	ug/l	< 1	< 1	< 1
HEXACHLORO-1,3-BUTADIENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1
HEXACHLOROBENZENE	1	NG	SW8270C	ug/l	< 1	< 1	< 1
HEXACHLOROCYCLOPENTADIENE	50	NG	SW8270C	ug/l	< 5	< 5	< 5
HEXACHLOROETHANE	1	NG	SW8270C	ug/l	< 1	< 1	< 1
INDENO (1,2,3-CD) PYRENE	0.9	NG	SW8270C	ug/l	< 1	< 1	< 1
ISOPHORONE	100	NG	SW8270C	ug/l	< 1	< 1	< 1
M-DICHLOROBENZENE	600	NG	SW8270C	ug/l	< 1	< 1	< 1
NAPHTHALENE	100	25,000	SW8270C	ug/l	< 1	< 1	< 1
NITROBENZENE	18	290,000	SW8270C	ug/l	< 1	< 1	< 1
N-NITROSO-DI-N-PROPYLAMINE	0.094	NG	SW8270C	ug/l	< 1	< 1	< 1
N-NITROSODIPHENYLAMINE	130	NG	SW8270C	ug/l	< 2	< 2	< 2
P-CHLOROANILINE	150	NG	SW8270C	ug/l	< 1	< 1	< 1
PENTACHLOROPHENOL	1	NG	SW8270C	ug/l	< 3	< 3	< 3
PHENANTHRENE	1,100	NOC	SW8270C	ug/l	< 1	< 1	< 1
PHENOL	4,000	NOC	SW8270C	ug/l	< 1	< 1	< 1
P-NITROANILINE	2.1	NG	SW8270C	ug/l	< 1	< 1	< 1
PYRENE	130	NG	SW8270C	ug/l	< 1	< 1	< 1
SVOC TICs							
1,1-BIPHENYL	1800	NOC	SW8270	ug/l			
4-METHTYLPHENOL	180	NG	SW8270	ug/l			
BENZOIC ACID	150000	NG	SW8270	ug/l			
BENZYL ALCOHOL	11000	NG	SW8270	ug/l			
CYCLIC OCTAATOMIC SULFUR	NG	NG	SW8270	ug/l			
DIACETONE ALCOHOL	NG	NG	SW8270	ug/l		14 J	
UNKNOWN (TOTAL)	NG	NG	SW8270	ug/l			140 J
UNKNOWN ALKANE (TOTAL)	NG	NG	SW8270	ug/l			

J = estimated value
-- = Not Analyzed
< = analyte not detected at or above the specified laboratory detection limit
NG= No Guidance
NOC= No of concern, value above constituent water solubility
TICs = Tentatively Identified Compounds
Sample Types: N = Normal; FD = Field Duplicate
PA-UA-2500-RES = Pennsylvania Act 2, Medium-Specified Concentration (MSC), Used Aquifer Total Dissolved Solids <= 2500 mg/l, Residential Use
Results formatted in **bold** are in exceedance of the PA-UA-2500-RES guideline.