2012 SECOND ANNUAL REPORT
MONITORED NATURAL ATTENUATION PILOT STUDY
FOR OPERABLE UNIT 1 (OU-1) OF THE
NORTH PENN AREA 5 SUPERFUND SITE

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TABLE OF CONTENTS

SECTION		PAGE NUMBER
1.0	**INTRODUCTION**	**1-1**
1.1	Site Background & History	1-2
2.0	**MNA MONITORING METHODS**	**2-1**
2.1	Field Monitoring and Sampling Procedures	2-1
2.2	MNA Monitoring Wells	2-2
2.3	Monitoring Events	2-3
2.3.1	Quarterly Monitoring Events	2-3
2.3.2	Annual event	2-4
3.0	**MNA MONITORING RESULTS**	**3-1**
3.1	Groundwater Elevation Monitoring Results	3-1
3.1.1	Groundwater Elevation Trends	3-1
3.1.2	Hydraulic Gradients	3-1
3.2	Groundwater TCE Monitoring Results	3-2
3.2.1	Former Groundwater Pumping Wells	3-3
3.2.2	Monitoring Wells within the Former Capture Zone	3-3
3.2.3	Monitoring Wells Outside the Former Capture Zone	3-5
3.2.4	Property Boundary Wells	3-6
3.3	Groundwater Geochemistry Monitoring Results	3-7
3.4	Groundwater Bioremediation Parameter Results	3-8
4.0	**CONCLUSIONS & RECOMMENDATIONS**	**4-1**
4.1	Discussion	4-1
4.2	Proposed MNA Monitoring Schedule for the Next Year	4-4
5.0	**REFERENCES**	**5-1**

TABLES

Table 1 MNA Pilot Study Groundwater Elevation Data

Table 2 Summary of Groundwater Volatile Organic Compounds (VOCs) Analyses

Table 3 MNA Parameters

FIGURES

Figure 1 OU-1 Area Map

Figure 2 OU-2 Area Map

Figure 3 Daily Mean DTW – USGS Observation Well MG-917, Montgomery County, PA

Figure 4 Precipitation at NOAA Weather Station – Conshohocken, PA

Figure 5 Daily Mean Discharge – Neshaminy Creek Near Rushland, PA (USGS 01464750)

Figure 6A TCE Concentration Over Time in W-1

Figure 6B TCE Concentration Over Time in W-10

Figure 6C TCE Concentration Over Time in W-12

Figure 6D TCE Concentration Over Time in W-14

Figure 6E TCE Concentration Over Time in W-16

Figure 6F TCE Concentration Over Time in Recovery Well

Figure 6G TCE Concentration Over Time in RW-1

Figure 6H TCE Concentration Over Time in RI-20S

Figure 6I TCE Concentration Over Time in PW-1

Figure 6J TCE Concentration Over Time in PW-2

Figure 6K TCE Concentration Over Time in PW-8A

Figure 6L TCE Concentration Over Time in PW-8B

Figure 6M TCE Concentration Over Time in PW-10A

Figure 6N TCE Concentration Over Time in PW-10B

Figure 6O TCE Concentration Over Time in PW-11

Figure 6P TCE Concentration Over Time in PW-12

Figure 6Q TCE Concentration Over Time in PW-13

Figure 6R TCE Concentration Over Time in PW-14

FIGURES (CONTINUED)

Figure 6S TCE Concentration Over Time in Fox MW-5

Figure 6T TCE Concentration Over Time in W-4

Figure 6U TCE Concentration Over Time in W-3

Figure 6V TCE Concentration Over Time in RI-19S

Figure 6W TCE Concentration Over Time in RI-19D

Figure 7 Groundwater Gradient Map for Shallow Bedrock Wells, August 2010 (Pre-P&T System Deactivation)

Figure 8 Groundwater Gradient Map for Shallow Bedrock Wells, November 2011 (Post-P&T System Deactivation)

Figure 9 Groundwater Gradient Map for Shallow Bedrock Wells, February 2012 (Post-P&T System Deactivation)

Figure 10 Groundwater Gradient Map for Shallow Bedrock Wells, May 2012 (Post-P&T System Deactivation)

Figure 11 Groundwater Gradient Map for Shallow Bedrock Wells, August 2012 (Post-P&T System Deactivation)

Figure 12 Groundwater VOCs, A-Series Wells (Regolith), August 2010 (Pre-P&T System Deactivation) Groundwater Sampling Event

Figure 13 Groundwater VOCs, A-Series Wells (Regolith), August 2012 (Post-P&T System Deactivation) Groundwater Sampling Event

Figure 14 Groundwater VOCs, Bedrock Wells, August 2010 (Pre-P&T System Deactivation) Groundwater Sampling Event

Figure 15 Groundwater VOCs, Bedrock Wells, November 2011 (Post-P&T System Deactivation) Groundwater Sampling Event

Figure 16 Groundwater VOCs, Bedrock Wells, February 2012 (Post-P&T System Deactivation) Groundwater Sampling Event

Figure 17 Groundwater VOCs, Bedrock Wells, May 2012 (Post-P&T System Deactivation) Groundwater Sampling Event

FIGURES (CONTINUED)

Figure 18 Groundwater VOCs, Bedrock Wells, August 2012 (Post-P&T System Deactivation) Groundwater Sampling Event

Figure 19 Interpreted Capture Zones During March 2008 Pumping Conditions

Figure 20 Interpreted Capture Zones November 23, 2009 Pumping Conditions

APPENDICES

Appendix I Field Data Sheets (Disk Enclosed)

Appendix II Laboratory Analytical Reports (Disk Enclosed)

1.0 INTRODUCTION

On behalf of BAE Systems Information and Electronic Systems Integration Inc. (BAE Systems), Environmental Alliance, Inc. (Alliance) is submitting this Annual Report for the Monitored Natural Attenuation (MNA) pilot study for Operable Unit No. 1 (OU-1) of the North Penn Area 5 Superfund Site in Colmar, Montgomery County, Pennsylvania (the "Site"). BAE Systems initiated this work pursuant to the *MNA Monitoring Plan* ("MNA Plan") transmitted to EPA on September 23, 2010 (Alliance, 2010b). While the MNA pilot study is expected to operate for several years, the MNA Plan provided for the submission of annual reports to document the monitoring results.

In summary, the first two years of groundwater monitoring following the deactivation of the pump and treat (P&T) system has demonstrated the following:

1) The groundwater data collected as part of this MNA pilot study has demonstrated that as a result of deactivating the P&T system, no adverse effects have been noted at the Site as the groundwater returns to non-pumping equilibrium.
2) The groundwater analytical results demonstrate the consistent presence of the daughter products associated with the complete degradation of TCE and 1,1,1 TCA. The presence of cis 1,2 DCE, vinyl chloride, ethene, and ethane demonstrates anaerobic degradation of TCE and TCA is taking place in the capture zone of the P&T system.
3) The TCE concentrations in the three P&T system extraction wells remained stable. The magnitude of fluctuations in the TCE concentrations does not indicate residual source material in the vicinity of the wells.
4) TCE concentrations in monitoring wells within the former P&T capture zone remained stable. The magnitude of fluctuations in the TCE concentrations does not indicate residual source material in the vicinity of these wells.
5) TCE concentrations in monitoring wells outside the former P&T capture zone remained stable.
6) TCE concentrations in wells along the property boundary and off-site wells remained stable.

7) Geochemical and analytical results from the first two years of the MNA pilot study indicate that site conditions are generally becoming more conducive to anaerobic degradation, which is one of the natural attenuation processes along with physical processes such as dilution and dispersion.

Based on these data, and as further described in the following sections, the MNA pilot study will continue to operate.

1.1 Site Background & History

The history of the various investigations and remedial actions completed at the Site has been presented previously in numerous documents (i.e., the January 2009 Pre-Design Investigation (PDI Report) (Alliance, 2009). The following is a brief summary of the historic response actions performed at the Site:

- Groundwater contamination was first discovered in OU-1 in 1979 by American Electronics Laboratories ("AEL").
- AEL installed monitoring wells to investigate the groundwater quality in OU-1 in 1980. The primary groundwater contaminant identified at the Site has been Trichloroethene ("TCE"), although other chlorinated volatile organic compounds ("VOCs") have also been reported in groundwater.
- AEL removed a waste solvent UST in June of 1980, which is considered the source area of the VOCs identified in groundwater in the vicinity of the former UST.
- AEL signed a consent agreement with PADER in 1981 to investigate and begin remedial actions at the Site.
- AEL began the batch treatment of impacted groundwater in 1981.
- AEL completed the soil investigation and source soil remediation work in 1982, as documented in the PDI Report. This action removed all source soils. No residual source material remains within OU-1.
- AEL installed the groundwater Recovery Well in 1983.
- AEL initiated the groundwater pump and treat program in 1986, which operated for approximately 24 years, until the initiation of this MNA Pilot Test.

- The highest TCE concentration ever reported in groundwater within OU-1 was observed in monitoring well W-1 one time in 1980 (60,200 ug/l, duplicate sample concentration reported at 70,700). This well is located in close proximity to the former UST that was removed in 1980 and the TCE-contaminated soils that were excavated and treated in 1982. By the time AEL commenced groundwater treatment in 1986, the TCE concentration in this well were reduced by 99.7% to 180 ug/l. The TCE concentration in W-1 groundwater was further reduced to 14 ug/l in August of 2012 or approximately 99.98% of its maximum reported value of 60,200 ug/L in 1980 (See Table 2 in this report).
- BAE Systems voluntarily expanded the pump and treat system in 2004 by adding two additional pumping wells (RW-1 and RI-20S), which operated for approximately 5 years, until the initiation of this MNA Pilot Test.
- In 2008, BAE Systems established and recorded an Environmental Covenant that restricted future groundwater use before it sold the property on which OU-1 is located. This covenant was reviewed and approved by EPA before it was recorded.
- BAE Systems completed a Pre Design Investigation ("PDI") in January 2009 pursuant to a Consent Order and Agreement[1] with EPA Region III as required by the 2004 Record of Decision ("ROD") for OU-1 (EPA, 2004a). Among other things, the PDI documented that the geometric mean concentration of TCE in bedrock groundwater within OU-1 was 29 to 31 ug/l (for the wells that reported TCE in excess of the MCL of 5 ug/L). This calculated mean concentration does not include approximately 24 other wells that reported TCE concentrations less than or equal to 5 ug/l. If all of the OU-1 bedrock groundwater TCE data from the PDI are considered, the geometric mean of TCE during the PDI was between 16 and 17 ug/L. Further, the PDI documented the absence of any residual source material at the Site and in particular documented the absence of any residual dense non-aqueous phase liquid ("DNAPL") in the subsurface. The PDI also evaluated various potential remedies for the Site and ultimately recommended the implementation of an MNA remedy.

[1] EA and BAE Systems believe that all conditions of the Consent Order and Agreement have been met, as has been communicated in the monthly progress reports.

- BAE Systems voluntarily installed four additional monitoring wells (PW-11, PW-12, PW-13, and PW-14) along the property boundary of BAE Systems former property in 2009.
- In January 2010, BAE Systems submitted the *Evaluation of the Use of Monitored Natural Attenuation for Operable Unit 1 of the North Penn Area 5 Superfund Site* ("*MNA Report*"; Alliance, January 26, 2010) to EPA. This report reviewed the historic data for the Site, which spanned approximately 30 years, and evaluated the rate of improvement in groundwater quality for monitoring wells within the capture zone of the pumping wells versus wells that were outside the capture zone of the pumping wells. This evaluation documented that the rate of reduction in TCE concentrations was faster for the groundwater outside the capture zone of the P&T system pumping wells than for groundwater within the capture zone of these pumping wells. Although it was limited to an analysis of groundwater TCE trends, the MNA Report concluded that a long-term (at least five years) MNA pilot study was appropriate to start to quantify the groundwater TCE attenuation rates and to document the mechanisms responsible for TCE attenuation, including physical processes such as dilution and dispersion and biochemical processes such as anaerobic reduction.

Based on the above analysis, BAE Systems decided to initiate the MNA Pilot Study. As described further in the MNA Plan and summarized below, the MNA Pilot Study consists of deactivating the P&T system and completing groundwater monitoring activities at the Site. EPA representatives stated that EPA did not object to this study and the Pennsylvania Department of Environmental Protection (DEP) agreed that BAE Systems could deactivate the P&T system to conduct this study. It is expected that it will take several years to collect enough data to understand and quantify how the MNA processes will proceed at the Site after the P&T system was deactivated.

The first year of the MNA Plan was completed in three phases:

- Phase I consisted of background monitoring to establish pre-P&T deactivation conditions prior to shutting down the P&T system. This was a one-time monitoring event performed in August 2010.
- Phase II began after deactivating the P&T system (on August 16, 2010) and consisted of periodic monitoring events to document how the Site responded to the P&T system shutdown. This phase lasted for the three months including and following the P&T system deactivation (August, September, and October 2010).
- Phase III consisted of routine groundwater monitoring on a quarterly basis and a comprehensive annual monitoring event.

The second year of the MNA Plan was completed between September 2011 and August 2012 and consisted of quarterly (November 2011, February 2012, and May 2012) and annual (August 2012) monitoring of groundwater quality as well as physical parameters such as groundwater elevations.

The primary objective of the MNA pilot study is to track the changes in concentrations of TCE, its daughter products and other VOCs in OU-1 groundwater. Additionally the MNA pilot study monitors geochemical indicators of transformation processes (e.g., oxidation-reduction potential, dissolved oxygen, pH, nitrate, ferrous iron, sulfate, methane, ethane, and ethene) and hydrogeologic parameters (e.g., elevation of ground water in monitoring wells and local precipitation data). Several lines of data were and are being collected to track the conditions in the aquifer along with the concentration of VOCs. Specifically, the following data is being generated by the MNA pilot study:

- Groundwater elevation (hydraulic head) data was collected from certain monitoring wells to evaluate changes in groundwater elevation (rise) following deactivation of the P&T system. Groundwater elevation data are plotted to create potentiometric surface maps to evaluate changes in hydraulic gradients and groundwater flow patterns resulting from returning the aquifer to a natural, non-pumping condition.

- Precipitation, hydraulic head, and stream flow data were gathered from publicly-available sources (e.g., U.S. Geological Survey) to provide a reference for the changes in groundwater elevations and groundwater quality data from the Site.
- Groundwater quality data (i.e., the concentration of VOCs in groundwater) from certain monitoring wells in OU-1 was collected to record any changes in groundwater quality following deactivation of the P&T system. In addition to sampling wells within OU-1, certain wells within OU-2 have also been monitored.
- Data used to evaluate the potential occurrence of natural biodegradation of TCE was collected from certain wells to monitor for the presence of biologically-facilitated remediation.
- Geochemical data from certain monitoring wells was collected to track geochemical changes in the aquifer to identify when the aquifer conditions are no longer affected by the operation of the P&T system operation (i.e., to document the return of the aquifer to natural, non-pumping conditions) and to document natural changes in the aquifer due to the hydrologic cycle (e.g., periods of greater and lesser recharge from precipitation events).

2.0 MNA MONITORING METHODS

2.1 Field Monitoring and Sampling Procedures

Unless otherwise noted in this report, all field sampling and laboratory analytical methods utilized in the MNA Monitoring Program followed the EPA-approved *Quality Assurance Project Plan* (QAPP; Alliance, August 10, 2006b) and *Sampling and Analysis Plan* (SAP; Alliance, August 10, 2006a) that EPA approved for the PDI. For all sampling events, all non-single-use (i.e., disposable) down-hole sampling and monitoring equipment was decontaminated prior to being used in a well. Decontamination procedures were carried out in a designated decontamination area lined with plastic and capable of collecting small amounts of water that might be spilled during the decontamination procedures. Decontamination procedures included scrubbing equipment with a low phosphate detergent and tap water wash, followed by a tap water rinse and light brushing, followed by a distilled water rinse. Pump and associated tubing decontamination included purging at least a gallon of the detergent wash and tap water rinse through the pump and associated tubing. All decontamination water was collected in a mobile storage tank and subsequently treated as necessary through the Facility air stripping tower consistent with the NPDES permit.

A full round of liquid levels were completed at site wells prior to collecting groundwater samples. For each water level measurement/reading, a decontaminated electric water level meter was used to gauge the depth of the static water level at each well relative to the indicated reference (survey) mark. A measurement of down-hole dissolved oxygen (DO) was collected using a decontaminated DO probe.

Once the static liquid levels and DO readings were collected, groundwater sampling proceeded using the techniques specified in the sampling protocol documents and low-flow purging and sampling procedures. Water-quality parameters included temperature, pH, turbidity, conductivity, oxygen-reduction potential (ORP), and DO were collected as specified in the sampling protocol. Groundwater generated during the purging process was pumped from the

well directly into a mobile storage tank which was regularly pumped out and treated through the Facility air stripper tower as needed consistent with the NPDES permit.

Once the purging process was satisfactorily completed, a groundwater sample was collected. Purging and sampling methods used are documented in the field data sheets presented in Appendix I and are consistent with historical sampling procedures for the Site.

Fresh nitrile gloves were donned prior to sampling. Groundwater samples were collected in laboratory supplied bottle ware, labeled, and securely stored in an iced cooler at 4° Celsius along with accompanying quality assurance samples.

Field monitoring data sheets are included for reference in Appendix I. Chain-of-custody documentation is included in the laboratory reports in Appendix II.

2.2 MNA Monitoring Wells

For the MNA monitoring program, various monitoring wells in OU-1 and OU-2 were grouped into three general categories as they related to specific monitoring events or specific monitoring data. The three original categories consisted of:

All Monitoring Wells ("Long List"): [total number of wells = 45]

- OU-1: [W-1, W-16, W-10, W-12, W-14, Recovery Well, RW-1, RW-2, RW-3, RI-20S, RI-20D, PW-1, PW-2, PW-3, PW-4, PW-5, PW-6A, PW-6B, PW-7A, PW-7B, PW-8A, PW-8B, PW-9A, PW-9B, PW-10A, PW-10B, PW-11, PW-12, PW-13, PW-14, A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-11, A-12, A-13, A-14, A-17, and A-18]
- Off-site: [Fox MW-1, Fox MW-2, Fox MW-5, W-13, and W-17]
- OU-2: [W-4, W-3, RI-19S, and RI-19D]

Key Monitoring Wells ("Short List"): [total number of wells = 23]

- OU-1: [W-1, W-10, W-12, W-14, W-16, Recovery Well, RW-1, RI-20S, PW-1, PW-2, PW-8A, PW-8B, PW-10A, PW-10B, PW-11, PW-12, PW-13, PW-14]

- Off-site: [Fox MW-5]
- OU-2: [W-4, W-3, RI-19S, and RI-19D]

Bioremediation Monitoring Wells: [total number of wells = 7]

- OU-1: [W-1, PW-10A, RI-20S, RW-1, PW-8A, PW-11, and W-16]

During the reporting period A-2 and A-16 were removed from the sampling scope. Well A-2 could not be located, and A-16 has been abandoned. OU-1 monitoring well locations are shown on Figure 1. OU-2 monitoring well locations are shown on Figure 2.

2.3 Monitoring Events

EPA has defined the term monitored natural attenuation as referring to the reliance on natural attenuation processes to achieve site-specific remediation objectives within a time frame that is reasonable compared to that offered by other more active methods. The natural attenuation processes that are at work in an MNA program "include a variety of physical, chemical, or biological processes that, under favorable conditions, act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil or groundwater" (Office of Solid Waste and Emergency Response, 1999). The MNA monitoring completed during the second year of the pilot test consisted of a series of quarterly monitoring events (November 2011, February 2012, and May 2012) and an annual monitoring event (August 2012). Activities conducted during each of the events are summarized below.

2.3.1 Quarterly Monitoring Events

Quarterly monitoring at the site was conducted in November 2011, February 2012, and May 2012 during the second year of the pilot test. During the quarterly groundwater sampling events, the following activities were performed:

- Depth-to-water was gauged in the Long List monitoring wells to evaluate hydraulic gradients.

- The Short List monitoring wells were sampled for analysis of:
  - VOCs.
  - Field geochemical parameters: pH, temperature, downhole DO, ORP, ferrous iron, specific conductivity, and turbidity.
- The bioremediation monitoring wells were sampled for analysis of:
  - Low-level VC.

To provide for additional data, RW-4D, RW-4I, RW-4S, RW-5D, RW-5I, and RW-5S were sampled in November 2011. Additionally, W-8 was sampled in February 2012 and August 2012 and based on the analytical results was added to the quarterly groundwater sampling scope.

2.3.2 Annual event

During the annual monitoring event in August 2012, the following activities were performed:

- Depth-to-water was gauged in the Long List monitoring wells to evaluate hydraulic gradients.
- The Long List monitoring wells were sampled for analysis of:
  - VOCs.
  - Field geochemical parameters: pH, temperature, downhole DO, ORP, ferrous iron, specific conductivity, and turbidity.
- The bioremediation monitoring wells were sampled for analysis of:
  - Ethene, ethane, and methane.
  - Total iron, sulfate, nitrate, total organic carbon (TOC), and dissolved organic carbon (DOC).
  - Volatile fatty acids (VFAs): lactate, pyruvate, acetate, propionate, formate, and butyrate.
  - Low-level vinyl chloride (VC).

To provide additional data during the annual groundwater sampling event the following wells were added to the sampling: W-8, RW-4D, RW-4I, RW-4S, RW-5D, RW-5I, and RW-5S.

For the quarterly and annual monitoring events, VOCs samples were analyzed by Lancaster Laboratories, Inc. (LLI) of Lancaster, Pennsylvania by Method 8260B. Low-level vinyl chloride (VC) samples were analyzed by LLI by Method 8260B Selective Ion Monitoring (SIM). Ethene, ethane, and methane were analyzed by Vapor Tech of Valencia, Pennsylvania by Method RSK-175. Total iron samples were analyzed by LLI via Methods 6010B and 6010B modified, respectively. Ferrous iron was field analyzed using a Hach color-wheel field kit and/or a Hach DR890 meter. Sulfate was analyzed by LLI via Method 300.0. Nitrate was analyzed by LLI via Method 353.2. TOC was analyzed by LLI via Method SM5310C. DOC was analyzed by LLI via Method 415.1 modified. VFAs were analyzed by Sirem Laboratories of Guelph, Ontario, Canada by Ion Chromatography Sirem SOP #63. Laboratory certificates of analysis and chains-of-custody are included in Appendix II.

3.0 MNA MONITORING RESULTS

3.1 Groundwater Elevation Monitoring Results

3.1.1 Groundwater Elevation Trends

Groundwater elevation monitoring data are presented on Table 1. A hydrograph (Figure 3) of nearby U.S. Geological Survey (USGS) Montgomery County, Pennsylvania monitoring well MG-917 shows a general increase in groundwater elevations with increased precipitation as shown on Figure 4 and a corresponding decrease in groundwater elevations with reduced precipitation. Similarly, a graph (Figure 5) plotting measured stream flow at the USGS gauging station on Neshaminy Creek near Rushland, Pennsylvania (station #01464750) over the monitoring period shows a general increase in stream flow in conjunction with increased precipitation. Generally, as shown on the hydrographs for the Short List monitoring wells (Figures 6A through 6W), the site monitoring wells showed a similar trend, with groundwater elevations increasing in response to precipitation/recharge events and declining during dry periods. Additionally and as expected, P&T system recovery wells (RI-20S, RW-1, and Recovery Well) and site monitoring wells near the system recovery wells (e.g., W-1, PW-1, and PW-2) showed a short term rapid rebound in groundwater elevations as a result of deactivating the P&T system in August 2010.

3.1.2 Hydraulic Gradients

Figure 7 shows the shallow bedrock groundwater elevation contours during August 2010, while the P&T system was still active with Recovery Well and RI-20S pumping. Due to a mechanical problem with the pump, RW-1 was only pumping at approximately 0.17 gpm during August 2010. This map shows an overall hydraulic gradient to the northwest and a cone of depression surrounding Recovery Well. Previous contour maps generated during P&T system operation demonstrate the estimated capture zones for pumping wells Recovery Well, RW-1, and RI-20S.

Shallow bedrock groundwater contours during the quarterly and annual monitoring events during the second year of the MNA pilot test are illustrated on Figure 8 (November 2011), Figure 9 (February 2012), Figure 10 (May 2012), and Figure 11 (August 2012). All four groundwater contour maps show an overall hydraulic gradient to the northwest and the absence of a cone of depression (no pumping occurring) surrounding the P&T system wells and a steeper hydraulic gradient than when the P&T system was active. These indicate, as expected, the return of the aquifer to a natural hydraulic gradient and are consistent with gradients observed during the first year of MNA monitoring. However, even though the hydraulic gradient is to the northwest, groundwater flow and contaminant transport is dominated by the secondary porosity of the master joints and fractures, which are oriented in the northeast to southwest direction. See the PDI for a more detailed discussion.

3.2 Groundwater TCE Monitoring Results

The results of the groundwater VOC sampling events during the first two years of the MNA pilot study (August 2010 through August 2012) are summarized in the Sections below. The monitoring wells were evaluated with respect to four categories: former P&T system extraction wells, monitoring wells within the former P&T capture zone, monitoring wells outside the former P&T capture zone, and property boundary/off-site wells.

The results of the groundwater VOCs sampling for the wells that are monitored as part of the MNA pilot study are summarized on Table 2. All available historical analytical data for these wells is included for reference. Groundwater VOCs data for A-series (regolith) wells are plotted on Figure 12 (August 2010/ pre-P&T system deactivation) and Figure 13 (August 2012). Groundwater VOC data for the bedrock wells are plotted on Figure 14 (August 2010/pre-P&T system deactivation), Figure 15 (November 2011), Figure 16 (February 2012), Figure 17 (May 2012), and Figure 18 (August 2012). Groundwater TCE concentrations over time for the Short List monitoring wells are plotted along with the groundwater elevation hydrographs on Figures 6A through 6W (the Short List monitoring wells are plotted since these wells are sampled on a quarterly basis and thus have the most data available for presentation purposes). The following

summarizes groundwater TCE results over the first two years of MNA monitoring following deactivation of the P&T system.

3.2.1 Former P&T System Extraction Wells

The former P&T system consisted of three extraction wells: Recovery Well, RW-1, and RI-20S. Groundwater TCE results from the first two years of the MNA pilot study for the former groundwater recovery wells is summarized below:

- TCE concentrations in Recovery Well during the first two years of the MNA pilot study were observed to remain stable and/or slightly decreasing, ranging from 95 ug/L (November 2010) to 30 ug/L (May 2011). The magnitude of fluctuations in the TCE concentrations does not indicate residual source material in the vicinity of the well. Historic TCE concentrations for the Recovery Well are presented graphically on Figure 6F.
- TCE concentrations in RW-1 during the first two years of the MNA pilot study were observed to remain stable and/or slightly increasing ranging from 82 ug/L (August 2012) to 55 ug/L (November 2010). The magnitude of fluctuations in the TCE concentrations does not indicate residual source material in the vicinity of the well. TCE concentrations for RW-1 are presented graphically on Figure 6G.
- TCE concentrations at RI-20S during the first two years of the MNA pilot study were observed to remain stable following deactivation of the P&T system, ranging from 170 ug/L (August 2011) to 130 ug/L (May 2012). The magnitude of fluctuations in the TCE concentrations does not indicate residual source material in the vicinity of the well. Results from RI-20S are presented graphically on Figure 6H.

3.2.2 Monitoring Wells within the Former P&T Capture Zone

Based on the analysis presented in the MNA Report (Alliance, 2010), the following list of wells are considered to be within the former P&T capture zone as illustrated on Figure 19 and Figure 20:, A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-11, A-12, A-13, A-14, A-17, A-18, PW-1, PW-2, PW-3, PW-4, PW-5, PW-6A, PW-6B, PW-7A, PW-7B, PW-10A, PW-10B, PW-13, PW-14, RI-20D,

RW-2, RW-3, and W-1. Groundwater analytical results from the first two years of monitoring for the MNA pilot study are summarized below:

- Generally, TCE concentrations in wells within the former capture zone of the P&T system have remained consistent and within the ranges of fluctuations observed when the P&T system was active; demonstrating that no rebound in concentrations has occurred in these well locations and that no residual source material remains in the vicinity of these wells.
- Well W-1 (Figure 6A) is the well that historically had the highest groundwater TCE concentration (60,200 ug/l in February 1980). This well is located 12 feet from Recovery Well. TCE concentrations at W-1 during the first two years of the MNA pilot study were observed to remain stable following deactivation of the P&T system, ranging from 68 ug/L (November 2011 and February 2012) to 14 ug/L (February 2011 and August 2012). The magnitude of fluctuations in the TCE concentrations is consistent with the data from this well when the pump and treat system was active and does not indicate residual source material is present in the vicinity of the well. The A series wells (A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-11, A-12, A-13, A-14, A-17, and A-18) represent groundwater quality within the shallow overburden aquifer. These wells are generally sampled on an annual basis as part of the MNA pilot study (A-3, A-12, A-13, and A-14 are also sampled as part of the NPDES permit). All of the A series wells except wells A-11, A-12, A-13, and A-14 have reported TCE concentrations less than 5 ug/L during the first two years of the MNA Pilot Study. Wells A-11, A-12, A-13, and A-14 are located within approximately 60 feet of each other and are therefore representative of the same area. These four wells have reported stable concentrations of TCE, ranging from 28 ug/l (A-13 in August 2012) to < 1 ug/L (A-12 in February 2012) during the first two years of the MNA pilot study.
- PW-1 (Figure 6I), PW-2 (Figure 6J), PW-3, PW-4, PW-5, PW-6A, PW-6B, PW-7A, PW-7B, PW-10A (Figure 6M), PW-10B (Figure 6N), PW-13 (Figure 6Q) and PW-14 (Figure 6R) are relatively new monitoring wells installed within the former capture zone of the deactivated P&T system. These wells have reported stable concentrations of TCE, ranging from 130 ug/l (PW-10A in August 2012) to < 2 J ug/L (PW-14 in May 2011 and February 2012) during the first two years of the MNA pilot study. Due to the relatively

limited historical data for wells sampled annually (PW-3, PW-4, PW-5, PW-6A, PW-6B, PW-7A, and PW-7B), graphs were not generated for these wells.

- TCE concentrations in RW-2, RW-3, and RI-20D have been stable over the first two years of the MNA pilot study with TCE concentrations less than 5 ug/L for all sampling events.

3.2.3 Monitoring Wells Outside the Former Capture Zone

Based on the analysis presented in the MNA Report (Alliance, 2010), the following list of wells are considered to be outside the former P&T capture zone as illustrated on Figure 19 and Figure 20:, PW-8A, PW-8B, PW-9A, PW-9B ,W-14, W-16. Wells W-10, W-12, W-13, W-17, PW-11, PW-12, FOX MW-1, FOX MW-2, FOX MW-5 are also located outside the former P&T capture zone but are discussed as part of the property boundary / offsite well analysis provided in the following section of this report:

- As expected, TCE concentrations in monitoring wells outside of the historic P&T system capture zone and off-site monitoring wells have remained stable over the first two years of the MNA pilot study. The natural fluctuations are attributed to precipitation recharge events, corresponding increases and decreases in groundwater elevations, and dilution.
- TCE concentrations at PW-8A (Figure 6K), PW-8B (Figure 6L), PW-9A, and W-14 (Figure 6D) during the first two years of the MNA pilot study were observed to remain stable following deactivation of the P&T system, ranging from 81 ug/L (PW-8A in February 2011) to <1 ug/L (W-14 in November 2010 and February 2011). Because PW-9A is sampled annually, a graph was not generated for this well.
- TCE concentrations at PW-9B were observed to range from 51 ug/L (August 2012) to 31 ug/L (November 2010). The changes in TCE concentrations at PW-9B may be attributed to the aquifer stabilizing following deactivation of the P&T and the construction of PW-9A / PW-9B (one inch diameter wells nested within a HQ diameter core hole). PW-9B, which has been sampled annually to date during the MNA pilot study, will be sampled quarterly beginning in November 2012 to more closely monitor changes at this location.

- W-16 (Figure 6E) is located on the upgradient edge of the site and represents background groundwater quality. TCE concentrations at W-16 during the first two years of the MNA pilot study were reported as <1 ug/L during each of the sampling events.

3.2.4 Property Boundary and Off-Site Wells

The following wells are located along the property boundary of the site and off-site: W-10, W-12, W-13, W-17, PW-11, PW-12, PW-13, PW-14, FOX MW-1, FOX MW-2, and FOX MW-5. A summary of the analytical results associated with these points is provided below:

- TCE concentrations in monitoring wells along the property boundary and off-site wells have been stable and within historical ranges during first two years of the MNA pilot study.
- TCE concentrations at wells W-10 (Figure 6B) and W-12 (Figure 6C) along the western property boundary have consistently reported TCE concentrations <1 ug/L during the first two years of the MNA pilot study.
- TCE concentrations at wells PW-12 (Figure 6P), PW-13 (Figure 6Q), and PW-14 Figure (6R) located along the southwestern property boundary, were observed to remain stable during the first two years of the MNA pilot study with TCE concentrations ranging from 18 ug/L (November 2010 at PW-14) to 2 J ug/L (May 2011 and February 2012 at PW-14).
- TCE concentrations at PW-11 and FOX MW-5 during the first two years of the MNA pilot study were observed to be stable during each of the sampling events. TCE concentrations at PW-11, located along strike between PW-8A / PW-8B and FOX MW-5, ranged from 70 ug/L (August 2011) to 60 (February 2011 and May 2012). When compared with PW-11, FOX MW-5 was observed to have consistently higher TCE concentrations during the first two years of the MNA pilot study ranging from 96 ug/L (February 2012) to 78 ug/L (November 2010).
- TCE concentrations in W-13, W-17, and FOX MW-1 have been stable over the first two years of the MNA pilot study with TCE concentrations less than 5 ug/L for all sampling events. TCE concentrations at FOX MW-2 have been observed to be stable and range from 12 ug/L (August 2012) to <1 ug/L (November 2010).

3.3 Groundwater Geochemistry Monitoring Results

The results of the groundwater geochemical monitoring are summarized on Table 3. The following summarizes groundwater geochemical monitoring results since initiation of the MNA pilot study in August 2010 when the P&T system was deactivated. The ranges of parameter concentrations used below in evaluating the site data are based on EPA's Natural Attenuation Screening Protocol (EPA 1998).

- Across the site, groundwater pH, temperature, specific conductivity, and turbidity have remained consistent over the monitoring period with fluctuations attributed to seasonal effects and precipitation recharge.
- Groundwater DO and ORP have fluctuated since deactivation of the P&T system and did not exhibit a discernible trend, additional long-term data is needed to identify any trends in these parameters as they relate to the geochemical environment. DO values fluctuated from slightly aerobic (greater then 0.5 mg/L) to slightly anaerobic (less than 0.5 mg/L). Similarly, ORP values fluctuated from indications of slightly aerobic (greater than +50mV) to slightly anaerobic (less than +50 mV). Fluctuations in DO and ORP values over the monitoring period are attributed to seasonal effects and precipitation recharge.
- Ferrous iron measurements have generally increased at the site since deactivation of the P&T system. Ferrous Iron measurements have increased in wells both inside the historic P&T capture zone and outside the P&T capture zone. Because the recent increases are identified in both capture zone wells and non-capture zone wells (including background well W-16), the increases are not necessarily attributed to the deactivation of the P&T system. However, the increasing ferrous concentrations are indicative of the aquifer becoming more conducive to anaerobic reductive dechlorination. Continued monitoring of ferrous iron will be conducted to determine if the increasing trend continues.
- The average nitrate concentration (1.4 mg/L) was greater than 1 mg/L, indicating slightly aerobic conditions. Nitrite was not detected in any samples during the monitoring period.
- The average sulfate concentration (26 mg/L) was greater than 20 mg/L, indicating slightly aerobic conditions.
- The TOC concentrations were less than 20 mg/L in all wells sampled.

Additional, long-term groundwater geochemical data is needed to identify any trends in these parameters as they relate to the geochemical environment in the aquifer (under natural, non-pumping conditions).

3.4 Groundwater Bioremediation Parameter Results

The results of the groundwater bioremediation parameter monitoring are summarized on Table 3. The following summarizes the results of the bioremediation parameter monitoring and discusses any discernible trends or observations in that data over the first two years of the MNA pilot Study:

- Both ethene and/or ethane were detected at concentrations at or above 0.1 mg/L in select monitoring wells inside the former P&T capture zone and outside the historic P&T capture zone. Ethene is a daughter product of TCE and therefore provides evidence of complete TCE degradation at the Site. Ethane is a daughter product of 1,1,1-Trichloroethane (TCA) and therefore provide evidence of complete TCA degradation. The presence of ethene and ethane provide further evidence that conditions conducive for anaerobic reductive dechlorination are present. Ethene and ethane were not detected in background well W-16, providing additional evidence that the ethene and ethane identified are the result of dechlorination via natural processes.
- Methane was detected at concentrations ranging from <0.02 mg/L to 7.1 mg/L in monitoring wells inside the historic P&T system capture zone. The presence of methane is an indicator of some anaerobic activity at the Site. Methane was detected consistently in PW-10A, RI-20S, and RW-1 indicating that methane is being generated as a result of anaerobic activity and was not an isolated detection.
- Vinyl chloride (VC) has been detected in monitoring wells within the historic P&T capture zone. Although VC was not previously detected at the Site due to low parent concentrations of TCE (generally less then 100 ug/L), utilization of the SIM method for VC has provided a lower detection limit (0.010 ug/L) than the standard EPA Method 8260 VOCs analytical method (detection limit of 1 ug/L). VC is a daughter product generated from reductive dechlorination. The presence of VC as well as ethene provides

evidence of TCE degradation via anaerobic degradation within the former capture zone of the P&T system.

- Volatile fatty acids (VFAs) were detected in monitoring well locations both inside the historic P&T system capture zone (e.g. PW-10A, RI-20S, RW-1, and W-1) and outside the capture zone (e.g. PW-8A, PW-11, and W-16). VFAs are a carbon and energy source that can facilitate anaerobic reductive dechlorination of TCE (EPA, 1998) and so provide some evidence of conditions favorable to TCE degradation.

Additional, long-term monitoring of the bioremediation parameters will continue to measure these analytes, to further document the degradation of TCE via naturally occurring anaerobic reductive dechlorination, and to document the return of groundwater in OU-1 to conditions conducive to degradation of TCE.

4.0 CONCLUSIONS & RECOMMENDATIONS

4.1 Discussion

As described above in the previous sections, the groundwater data collected as part of this MNA pilot study has demonstrated that as a result of shutting off the P&T System, no adverse effects have been noted at the Site as the groundwater returns to non-pumping equilibrium. In addition, the data demonstrates that the Site conditions are becoming more favorable for the elements of MNA that are associated with natural degradation of the VOCs present in groundwater. Although the cessation of groundwater pumping reduced the influx of oxygenated groundwater into the capture zone, it was expected that it would take several years for the aquifer to return to natural, non-pumping conditions.

EPA has established objectives for performance monitoring of MNA remedies as described in *Performance Monitoring of MNA Remedies for VOCs in Groundwater* (EPA, April 2004b). As discussed in this document, OSWER Directive 9200.4-17P provides eight specific objectives to be met by the performance monitoring program of an MNA remedy (EPA, 1999). While the current monitoring is being conducted as part of a pilot study and to monitor Site conditions after shutting down the P&T system, the following evaluates the existing data for the Site relative to these eight objectives:

Objective 1) Demonstrate that natural attenuation is occurring to expectations.

The MNA Report already documented in 2010 that MNA was occurring in groundwater outside the capture zone of the P&T system. The first two years of monitoring after the shutdown of the P&T system has demonstrated that there has been no rebound of TCE concentrations in groundwater and that no residual source material is present at the Site, as expected. Observed increases in groundwater TCE concentrations in some areas of the site are indicative of Site groundwater in these areas establishing equilibrium conditions under natural, non-pumping conditions.

Objective 2) Detect changes in environmental conditions (e.g., hydrologic, geochemical, microbiological, or other changes) that may reduce the efficacy of any of the natural attenuation processes.

The results from the first two years of monitoring after the shutdown of the P&T system did not detect any changes in conditions that would negatively affect the natural attenuation processes. The aquifer has returned to a natural and steeper hydraulic gradient, thereby increasing groundwater velocities and corresponding dispersion rates, although the rates of groundwater (and contaminant) movement will still be low given the low hydraulic conductivity of the aquifer. Ferrous iron, methane, ethene, and ethane concentrations are showing increases, indicating that the aquifer is slowly returning to more anaerobic conditions conducive for anaerobic reductive dechlorination of TCE. Therefore, environmental conditions are changing that will tend to increase the efficacy of the natural attenuation processes and there is no evidence to suggest that changes in environmental conditions are occurring that may reduce the efficacy of the natural attenuation processes.

Objective 3) Identify any potentially toxic and/or mobile transformation products.

No potentially toxic transformation products were detected in the past two years of groundwater monitoring. As discussed previously, vinyl chloride had not previously been reported at the Site, but as a result of the more sensitive analytical methods used for this pilot study, low levels of vinyl chloride were reported in groundwater at concentrations several orders of magnitude below its MCL. The presence of vinyl chloride is evidence of the biologic degradation of TCE.

Objective 4) Verify that the plume(s) is not expanding downgradient, laterally or vertically.

As discussed previously, the groundwater quality data collected since the P&T system was shut down was consistently within the historic range of concentrations for each well while the P&T system was operating. Thus, there is no evidence that the plume is expanding as a result of the shutdown of the P&T system. Further, the shallow bedrock aquifer exhibits relatively low

permeability (geometric mean hydraulic conductivity of 0.91 feet/day from slug testing during the PDI), indicating that groundwater and contaminants move slowly through the aquifer.

Objective 5) Verify no unacceptable impact to downgradient receptors.

As discussed in the PDI and the MNA Report, there are no downgradient receptors (e.g., drinking water wells). All of the neighboring properties have been and continue to be supplied public water. No ecological receptors have ever been identified.

Objective 6) Detect new releases of contaminants to the environment that could impact the effectiveness of the natural attenuation remedy.

No new releases of contaminants were detected.

Objective 7) Demonstrate the efficacy of institutional controls that were put in place to protect potential receptors.

The environmental covenant that was established for the former BAE Systems property (that was approved by EPA Region III) is still in place and effective. There are no drinking water wells in the subject area.

Objective 8) Verify attainment of remediation objectives.

The remedial action objective (RAO) for OU-1 is to restore the groundwater quality to EPA Maximum Contaminant Levels (MCLs) for TCE (5 ug/L) and 1, 1-DCE (7 ug/L) within a reasonable timeframe. As demonstrated in the *MNA Report* (Alliance, 2010a), reduction of TCE (and 1,1-DCE) concentrations via MNA would occur at least as fast if not faster than by continuation of P&T technology. Further, reactivating the P&T system would not significantly remediate the site more quickly than MNA because P&T is limited by matrix diffusion. As pointed out by Parker et al. (2010), "remediation focused only on removal [(e.g., P&T)] or destruction [(e.g., in-situ chemical oxidation)] of mass in the fractures is futile due to back

diffusion…regardless of the remedial approach, the time scales to restore groundwater quality are very long…[and] degradation in the rock matrix, if occurring even at slow rates, may play an important role in reducing long-term plume persistence in fractured sedimentary rock, although the time scales are still long." Therefore, MNA will attain the remediation objectives within a reasonable timeframe comparable to if not shorter than for other active remedial alternatives such as P&T.

EPA's MNA Performance Monitoring guidance supports the continuation of this program without any change. Specifically, the data generated during the past two years of the MNA pilot test indicates that contaminant concentrations have remained within the bounds of their recent historic trends since the P&T system has been shut down. The groundwater flow parameters have not changed, except to the extent expected by the shutdown of the pumping wells. The geochemistry has not changed in a way to negatively affect the natural attenuation processes, but rather has shown signs of becoming more anaerobic and therefore more conducive to anaerobic reductive dechlorination, one component of the several MNA processes that are expected to improve the groundwater quality at the Site. Over the course of the next several years of monitoring, it may be possible to determine the rate of change in the groundwater quality (i.e., VOC concentrations) that are associated with natural processes, unaffected by the operation of the P&T system and the recent shut down of this system. The planned monitoring schedule is discussed below.

4.2 Proposed MNA Monitoring Schedule for the Next Year

The planned MNA monitoring schedule for the next year will consist of a continuation of the existing monitoring program. Specifically, the monitoring program will consist of the following:

- Quarterly monitoring (November 2012, February 2013, and May 2013):
  - Gauge depth-to-water in the Long List monitoring wells to evaluate hydraulic gradients.

- Sample the Short List monitoring wells for VOCs and field geochemical parameters (pH, temperature, downhole DO, ORP, ferrous iron, and specific conductivity). Wells PW-9A and PW-9B will be added to the Short List.
- Sample the Bioremediation monitoring wells for low-level vinyl chloride. Wells PW-9A and PW-9B will be added to the Bioremediation monitoring well list.

♦ Annual monitoring (August 2013):

- Gauge depth-to-water in the Long List monitoring wells to evaluate hydraulic gradients.
- Sample the Long List monitoring wells for VOCs and field geochemical parameters (pH, temperature, downhole DO, ORP, ferrous iron, and specific conductivity). Wells PW-9A and 9B will be added to the Long List.
- Sample the Bioremediation monitoring wells for:
  - Ethene, ethane, and methane.
  - Total iron, ferrous iron (field analysis), sulfate, sulfide, nitrate, alkalinity, TOC, and DOC.
  - VFAs (lactate, pyruvate, acetate, propionate, formate, and butyrate); and
  - Low-level vinyl chloride.

At the end of the third year of monitoring, an annual monitoring report will be prepared to evaluate the data.

5.0 REFERENCES

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TABLES

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
A-2	NM	08/09/10	Dry	--
A-3	317.26	08/09/10	6.83	310.43
		11/16/10	6.59	310.67
		02/07/11	2.00	315.26
		05/02/11	3.58	313.68
		08/15/11	2.43	314.83
		11/07/11	4.49	312.77
		02/13/12	3.31	313.95
		05/01/12	2.20	315.06
		08/13/12	2.00	315.26
A-4	317.83	08/09/10	Dry	--
		11/16/10	10.16	307.67
		02/07/11	7.45	310.38
		05/02/11	8.33	309.50
		08/15/11	10.04	307.79
		11/07/11	8.98	308.85
		02/13/12	9.96	307.87
		05/01/12	9.48	308.35
		08/13/12	9.44	308.39
A-5	316.61	08/09/10	Dry	--
		11/16/10	11.90	304.71
		02/07/11	8.49	308.12
		05/02/11	8.12	308.49
		08/15/11	11.22	305.39
		11/07/11	8.86	307.75
		02/13/12	10.68	305.93
		05/01/12	10.50	306.11
		08/13/12	10.92	305.69
A-6	316.54	08/09/10	Dry	--
		11/16/10	11.91	304.63
		02/07/11	Buried in Snow	
		05/02/11	8.45	308.09
		08/15/11	9.39	307.15
		11/07/11	8.46	308.08
		02/13/12	10.47	306.07
		05/01/12	10.18	306.36
		08/13/12	10.44	306.10
A-7	317.23	08/09/10	Dry	--
		11/16/10	12.69	304.54
		02/07/11	10.00	307.23
	314.12	05/02/11	9.60	307.63
	314.12	08/15/11	7.23	306.89
		11/07/11	6.95	307.17
		02/13/12	8.28	305.84
		05/01/12	7.82	306.30
		08/13/12	7.62	306.50
A-8	317.76	08/09/10	Dry	--
		11/16/10	Dry	--
		02/07/11	7.20	310.56
		05/02/11	7.10	310.66
		08/15/11	8.42	309.34
		11/07/11	7.70	310.06
		02/13/12	9.26	308.50
		05/01/12	9.05	308.71
		08/13/12	8.35	309.41

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
A-9	317.88	08/09/10	Dry	--
		11/16/10	Dry	--
		02/07/11	9.84	308.04
		05/02/11	9.02	308.86
		08/15/11	10.25	307.63
		11/07/11	9.54	308.34
		02/13/12	11.09	306.79
		05/01/12	10.88	307.00
		08/13/12	10.88	307.00
A-11	314.63	08/09/10	18.70	295.93
		11/16/10	14.92	299.71
		02/07/11	9.56	305.07
		05/02/11	9.37	305.26
		08/15/11	14.79	299.84
		11/07/11	10.53	304.10
		02/13/12	13.60	301.03
		05/01/12	13.11	301.52
		08/13/12	14.95	299.68
A-12	316.07	08/09/10	17.30	298.77
		11/16/10	16.13	299.94
		02/07/11	13.20	302.87
		05/02/11	10.93	305.14
		08/15/11	14.96	301.11
		11/07/11	12.01	304.06
		02/13/12	14.90	301.17
		05/01/12	14.19	301.88
		08/13/12	15.54	300.53
A-13	314.82	08/09/10	15.49	299.33
		11/16/10	14.69	300.13
		02/07/11	12.31	302.51
		05/02/11	9.44	305.38
		08/15/11	13.60	301.22
		11/07/11	10.64	304.18
		02/13/12	13.60	301.22
		05/01/12	12.61	302.21
		08/13/12	14.21	300.61
A-14	313.97	08/09/10	14.18	299.79
		11/16/10	13.04	300.93
		02/07/11	10.95	303.02
		05/02/11	8.31	305.66
		08/15/11	12.45	301.52
		11/07/11	9.50	304.47
		02/13/12	11.85	302.12
		05/01/12	11.60	302.37
		08/13/12	12.42	301.55
A-16	310.62	08/09/10	Dry	--
		11/16/10	Dry	--
		02/07/11	Buried in Snow	
		Abandoned		
A-17	316.06	08/09/10	Dry	--
		11/16/10	Dry	--
		02/07/11	Dry	--
		05/02/11	11.60	304.46
	313.70	08/15/11	Dry	--
		11/07/11	Dry	--
		02/13/12	Dry	--
		05/01/12	Dry	--
		08/13/12	Dry	--

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
A-18	315.94	08/09/10	Dry	--
		11/16/10	Dry	--
		02/07/11	Dry	--
		05/02/11	10.36	305.58
		08/15/11	Dry	--
		11/07/11	11.19	304.75
		02/13/12	Dry	--
		05/01/12	Dry	--
		08/13/12	Dry	--
FOX MW-1	297.23	08/09/10	8.69	288.54
		11/16/10	5.45	291.78
		02/07/11	4.47	292.76
		05/02/11	4.67	292.56
		08/15/11	5.42	291.81
		11/07/11	4.69	292.54
		02/13/12	5.19	292.04
		05/01/12	4.96	292.27
		08/13/12	5.08	292.15
FOX MW-2	295.56	08/09/10	11.73	283.83
		11/16/10	10.84	284.72
		02/07/11	10.09	285.47
		05/02/11	10.44	285.12
		08/15/11	10.78	284.78
		11/07/11	10.40	285.16
		02/13/12	10.66	284.90
		05/01/12	10.49	285.07
		08/13/12	10.52	285.04
FOX MW-5	302.58	08/09/10	14.66	287.92
		08/24/10	13.05	289.53
		08/31/10	14.77	287.81
		09/07/10	15.37	287.21
		09/15/10	15.64	286.94
		10/12/10	11.45	291.13
		11/16/10	11.77	290.81
		02/07/11	10.62	291.96
		05/02/11	10.80	291.78
		08/15/11	11.86	290.72
		11/07/11	10.88	291.70
		02/13/12	11.37	291.21
		05/01/12	11.24	291.34
		08/13/12	11.59	290.99
PW-1	315.51	08/09/10	22.49	293.02
		08/24/10	17.28	298.23
		08/31/10	18.36	297.15
		09/07/10	18.58	296.93
		09/15/10	19.64	295.87
		10/12/10	13.36	302.15
		11/16/10	14.14	301.37
		02/07/11	12.00	303.51
		05/02/11	7.34	308.17
		08/15/11	13.54	301.97
		11/07/11	7.27	308.24
		02/13/12	8.76	306.75
		05/01/12	13.45	302.06
		08/13/12	13.44	302.07

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
PW-2	315.57	08/09/10	24.40	291.17
		08/24/10	18.58	296.99
		08/31/10	19.26	296.31
		09/07/10	19.65	295.92
		09/15/10	20.95	294.62
		10/12/10	15.58	299.99
		11/16/10	16.34	299.23
		02/07/11	14.03	301.54
		05/02/11	14.22	301.35
		08/15/11	15.94	299.63
		11/07/11	14.41	301.16
		02/13/12	15.48	300.09
		05/01/12	15.18	300.39
		08/13/12	15.82	299.75
PW-3	313.85	08/09/10	21.86	291.99
		11/16/10	14.20	299.65
		02/07/11	11.99	301.86
		05/02/11	8.63	305.22
		08/15/11	12.17	301.68
		11/07/11	9.58	304.27
		02/13/12	11.75	302.10
		05/01/12	11.21	302.64
		08/13/12	12.58	301.27
PW-4	315.58	08/09/10	12.14	303.44
		11/16/10	9.48	306.10
		02/07/11	6.58	309.00
		05/02/11	6.22	309.36
		08/15/11	7.78	307.80
		11/07/11	9.75	305.83
		02/13/12	8.37	307.21
		05/01/12	8.45	307.13
		08/13/12	8.61	306.97
PW-5	315.33	08/09/10	11.83	303.50
		11/16/10	10.58	304.75
		02/07/11	9.00	306.33
		05/02/11	6.52	308.81
		08/15/11	7.54	307.79
		11/07/11	7.30	308.03
		02/13/12	8.34	306.99
		05/01/12	8.36	306.97
		08/13/12	8.58	306.75
PW-6A	313.55	08/09/10	20.39	293.16
		11/16/10	16.45	297.10
		02/07/11	13.65	299.90
		05/02/11	14.08	299.47
		08/15/11	16.20	297.35
		11/07/11	15.05	298.50
		02/13/12	14.44	299.11
		05/01/12	15.21	298.34
		08/13/12	15.31	298.24
PW-6B	313.55	08/09/10	18.49	295.06
		11/16/10	14.65	298.90
		02/07/11	13.00	300.55
		05/02/11	12.85	300.70
		08/15/11	14.31	299.24
		11/07/11	12.08	301.47
		02/13/12	14.42	299.13
		05/01/12	13.89	299.66
		08/13/12	14.55	299.00

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
PW-7A	310.63	08/09/10	19.77	290.86
		11/16/10	11.72	298.91
		02/07/11	9.69	300.94
		05/02/11	9.95	300.68
		08/15/11	11.38	299.25
		11/07/11	4.95	305.68
		02/13/12	10.74	299.89
		05/01/12	10.51	300.12
		08/13/12	11.33	299.30
PW-7B	310.61	08/09/10	19.73	290.88
		11/16/10	11.72	298.89
		02/07/11	9.71	300.90
		05/02/11	9.98	300.63
		08/15/11	11.43	299.18
		11/07/11	4.97	305.64
		02/13/12	10.75	299.86
		05/01/12	10.52	300.09
		08/13/12	11.35	299.26
PW-8A	304.75	08/09/10	16.16	288.59
		08/24/10	15.03	289.72
		08/31/10	16.28	288.47
		09/07/10	16.85	287.90
		09/15/10	17.11	287.64
		10/12/10	13.56	291.19
		11/16/10	12.83	291.92
		02/07/11	12.42	292.33
		05/02/11	12.97	291.78
		08/15/11	13.92	290.83
		11/07/11	12.43	292.32
		02/13/12	13.15	291.60
		05/01/12	13.04	291.71
		08/13/12	14.05	290.70
PW-8B	304.71	08/09/10	15.05	289.66
		08/24/10	13.51	291.20
		08/31/10	14.66	290.05
		09/07/10	15.30	289.41
		09/15/10	15.58	289.13
		10/12/10	11.79	292.92
		11/16/10	12.02	292.69
		02/07/11	10.90	293.81
		05/02/11	10.88	293.83
		08/15/11	12.10	292.61
		11/07/11	10.02	294.69
		02/13/12	11.55	293.16
		05/01/12	11.41	293.30
		08/13/12	14.36	290.35
PW-9A	310.76	08/09/10	19.65	291.11
		11/16/10	18.37	292.39
		02/07/11	17.77	292.99
		05/02/11	15.94	294.82
		08/15/11	17.90	292.86
		11/07/11	16.93	293.83
		02/13/12	17.15	293.61
		05/01/12	17.05	293.71
		08/13/12	18.10	292.66
PW-9B	310.63	08/09/10	21.30	289.33
		11/16/10	18.04	292.59
		02/07/11	16.52	294.11
		05/02/11	16.41	294.22
		08/15/11	17.66	292.97
		11/07/11	16.52	294.11
		02/13/12	17.13	293.50
		05/01/12	17.03	293.60
		08/13/12	17.76	292.87

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
PW-10A	310.42	08/09/10	19.79	290.63
		08/24/10	18.52	291.90
		08/31/10	18.41	292.01
		09/07/10	20.05	290.37
		09/15/10	20.36	290.06
		10/12/10	16.69	293.73
		11/16/10	16.35	294.07
		02/07/11	15.72	294.70
		05/02/11	15.52	294.90
		08/15/11	16.95	293.47
		11/07/11	15.59	294.83
		02/13/12	16.30	294.12
		05/01/12	16.21	294.21
		08/13/12	16.96	293.46
PW-10B	310.42	08/09/10	19.94	290.48
		08/24/10	15.13	295.29
		08/31/10	16.32	294.10
		09/07/10	16.95	293.47
		09/15/10	17.35	293.07
		10/12/10	12.98	297.44
		11/16/10	13.38	297.04
		02/07/11	11.77	298.65
		05/02/11	11.98	298.44
		08/15/11	13.49	296.93
		11/07/11	12.20	298.22
		02/13/12	12.95	297.47
		05/01/12	12.71	297.71
		08/13/12	13.44	296.98
PW-11	304.89	08/09/10	16.50	288.39
		08/24/10	15.07	289.82
		08/31/10	16.50	288.39
		09/07/10	17.12	287.77
		09/15/10	17.37	287.52
		10/12/10	13.48	291.41
		11/16/10	13.73	291.16
		02/07/11	12.54	292.35
		05/02/11	12.61	292.28
		08/15/11	13.80	291.09
		11/07/11	12.62	292.27
		02/13/12	11.51	293.38
		05/01/12	13.12	291.77
		08/13/12	--	--
PW-12	308.17	08/09/10	17.26	290.91
		08/24/10	15.04	293.13
		08/31/10	16.52	291.65
		09/07/10	17.21	290.96
		09/15/10	17.51	290.66
		10/12/10	13.05	295.12
		11/16/10	13.48	294.69
		02/07/11	12.13	296.04
		05/02/11	12.19	295.98
		08/15/11	13.31	294.86
		11/07/11	12.07	296.10
		02/13/12	12.78	295.39
		05/01/12	12.56	295.61
		08/13/12	15.10	293.07

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
PW-13	312.13	08/09/10	20.41	291.72
		08/24/10	17.12	295.01
		08/31/10	18.17	293.96
		09/07/10	18.92	293.21
		09/15/10	19.34	292.79
		10/12/10	14.66	297.47
		11/16/10	15.05	297.08
		02/07/11	13.40	298.73
		05/02/11	13.22	298.91
		08/15/11	14.90	297.23
		11/07/11	13.43	298.70
		02/13/12	14.30	297.83
		05/01/12	14.08	298.05
		08/13/12	13.10	299.03
PW-14	315.79	08/09/10	24.06	291.73
		08/24/10	18.58	297.21
		08/31/10	19.65	296.14
		09/07/10	20.50	295.29
		09/15/10	20.91	294.88
		10/12/10	16.01	299.78
		11/16/10	16.69	299.10
		02/07/11	14.64	301.15
		05/02/11	14.54	301.25
		08/15/11	16.05	299.74
		11/07/11	14.28	301.51
		02/13/12	15.50	300.29
		05/01/12	15.43	300.36
		08/13/12	16.22	299.57
Recovery Well	315.12	08/09/10	33.12	282.00
		08/24/10	17.61	297.51
		08/31/10	18.65	296.47
		09/07/10	19.44	295.68
		09/15/10	19.05	296.07
		10/12/10	14.90	300.22
		11/16/10	15.69	299.43
		02/07/11	13.35	301.77
		05/02/11	10.98	304.14
		08/15/11	15.11	300.01
		11/07/11	13.93	301.19
		02/13/12	13.99	301.13
		05/01/12	14.28	300.84
		08/13/12	15.03	300.09
RI-19D	295.02	08/09/10	6.09	288.93
		08/24/10	6.25	288.77
		08/31/10	6.37	288.65
		09/07/10	6.75	288.27
		09/15/10	6.97	288.05
		10/12/10	5.03	289.99
		11/16/10	4.88	290.14
		02/07/11	3.08	291.94
		05/02/11	3.29	291.73
		08/15/11	4.95	290.07
		11/07/11	3.37	291.65
		02/13/12	4.08	290.94
		05/01/12	4.49	290.53
		08/13/12	5.29	289.73

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
RI-19S	294.98	08/09/10	6.08	288.90
		08/24/10	6.24	288.74
		08/31/10	6.38	288.60
		09/07/10	6.74	288.24
		09/15/10	6.96	288.02
		10/12/10	5.03	289.95
		11/16/10	4.80	290.18
		02/07/11	3.06	291.92
		05/02/11	3.24	291.74
		08/15/11	4.94	290.04
		11/07/11	3.34	291.64
		02/13/12	4.02	290.96
		05/01/12	4.48	290.50
		08/13/12	5.30	289.68
RI-20D	304.94	08/09/10	14.05	290.89
		11/16/10	9.83	295.11
		02/07/11	8.34	296.60
		05/02/11	8.55	296.39
		08/15/11	9.69	295.25
		11/07/11	8.44	296.50
		02/13/12	9.18	295.76
		05/01/12	8.95	295.99
		08/13/12	9.07	295.87
RI-20S	304.94	08/09/10	--	--
		08/24/10	14.47	290.47
		08/31/10	15.51	289.43
		09/07/10	16.15	288.79
		09/15/10	16.42	288.52
		10/12/10	12.76	292.18
		11/16/10	12.93	292.01
		02/07/11	11.83	293.11
		05/02/11	11.79	293.15
		08/15/11	13.01	291.93
		11/07/11	11.80	293.14
		02/13/12	12.49	292.45
		05/01/12	12.38	292.56
		08/13/12	13.09	291.85
RW-1	313.36	08/09/10	21.90	291.46
		08/24/10	17.09	296.27
		08/31/10	18.14	295.22
		09/07/10	18.91	294.45
		09/15/10	19.30	294.06
		10/12/10	14.75	298.61
		11/16/10	15.31	298.05
		02/07/11	13.47	299.89
		05/02/11	13.55	299.81
		08/15/11	15.10	298.26
		11/07/11	13.72	299.64
		02/13/12	14.65	298.71
		05/01/12	14.39	298.97
		08/13/12	15.10	298.26
RW-2	314.96	08/09/10	16.30	298.66
		11/16/10	11.81	303.15
		02/07/11	9.26	305.70
		05/02/11	9.15	305.81
		08/15/11	11.50	303.46
		11/07/11	4.67	310.29
		02/13/12	10.43	304.53
		05/01/12	10.57	304.39
		08/13/12	11.72	303.24
RW-3	317.57	08/09/10	9.40	308.17
		11/16/10	6.25	311.32
		02/07/11	2.26	315.31
		05/02/11	1.28	316.29
		08/15/11	6.24	311.33
		11/07/11	2.29	315.28
		02/13/12	3.72	313.85
		05/01/12	4.24	313.33
		08/13/12	6.49	311.08

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
W-1	314.58	08/09/10	12.29	302.29
		08/24/10	10.42	304.16
		08/31/10	13.88	300.70
		09/07/10	17.61	296.97
		09/15/10	17.82	296.76
		10/12/10	19.95	294.63
		11/16/10	9.58	305.00
		02/07/11	6.07	308.51
		05/02/11	6.54	308.04
		08/15/11	7.95	306.63
		11/07/11	7.18	307.40
		02/13/12	8.35	306.23
		05/01/12	8.09	306.49
		08/13/12	8.12	306.46
W-3	289.15	08/24/10	8.78	280.37
		08/31/10	8.92	280.23
		09/07/10	9.35	279.80
		09/15/10	9.65	279.50
		10/12/10	8.10	281.05
		11/16/10	7.08	282.07
		02/07/11	5.16	283.99
		05/02/11	5.25	283.90
		08/15/11	8.15	281.00
		11/07/11	5.19	283.96
		02/13/12	6.24	282.91
		05/01/12	3.42	285.73
		08/13/12	8.09	281.06
W-4	293.40	08/09/10	8.92	284.48
		08/24/10	9.41	283.99
		08/31/10	9.62	283.78
		09/07/10	9.87	283.53
		09/15/10	10.18	283.22
		10/12/10	8.15	285.25
		11/16/10	7.10	286.30
		02/07/11	4.70	288.70
		05/02/11	4.56	288.84
		08/15/11	8.29	285.11
		11/07/11	5.01	288.39
		02/13/12	5.60	287.80
		05/01/12	6.36	287.04
		08/13/12	8.80	284.60
W-8	290.79	02/07/11	1.98	288.81
		05/02/11	2.06	288.73
		08/15/11	5.74	285.05
		11/07/11	2.49	288.30
		02/13/12	3.03	287.76
		05/01/12	3.77	287.02
		08/13/12	6.19	284.60
W-10	297.99	08/09/10	12.33	285.66
		08/24/10	12.14	285.85
		08/31/10	12.52	285.47
		09/07/10	12.92	285.07
		09/15/10	13.09	284.90
		10/12/10	11.25	286.74
		11/16/10	11.30	286.69
		02/07/11	8.55	289.44
		05/02/11	8.68	289.31
		08/15/11	11.30	286.69
		11/07/11	9.03	288.96
		02/13/12	9.63	288.36
		05/01/12	9.37	288.62
		08/13/12	11.42	286.57

Table 1
MNA Pilot Study
Groundwater Elevation Data
Former BAE Facility
Lansdale, Pennsylvania

Well ID	TOC Elevation (ft)	Date	Depth to Water (ft)	Groundwater Elevation (ft)
W-12	298.99	08/09/10	9.99	289.00
		08/24/10	10.35	288.64
		08/31/10	11.22	287.77
		09/07/10	11.90	287.09
		09/15/10	12.31	286.68
		10/12/10	9.28	289.71
		11/16/10	8.98	290.01
		02/07/11	6.90	292.09
		05/02/11	4.93	294.06
		08/15/11	9.19	289.80
		11/07/11	6.75	292.24
		02/13/12	6.82	292.17
		05/01/12	7.65	291.34
		08/13/12	9.42	289.57
W-13	NM	08/09/10	6.49	--
		11/16/10	5.85	--
		02/07/11	5.09	--
		05/02/11	5.42	--
		08/15/11	5.75	--
		11/07/11	5.32	--
		02/13/12	5.55	--
		05/01/12	5.54	--
		08/13/12	5.58	--
W-14	302.84	08/09/10	14.75	288.09
		08/24/10	13.81	289.03
		08/31/10	14.92	287.92
		09/07/10	15.44	287.40
		09/15/10	15.78	287.06
		10/12/10	12.35	290.49
		11/16/10	12.43	290.41
		02/07/11	11.09	291.75
		05/02/11	10.91	291.93
		08/15/11	12.78	290.06
		11/07/11	10.96	291.88
		02/13/12	11.68	291.16
		05/01/12	11.56	291.28
		08/13/12	12.58	290.26
W-16	319.15	08/09/10	18.41	300.74
		11/16/10	14.18	304.97
		02/07/11	12.60	306.55
		05/02/11	10.84	308.31
		08/15/11	14.01	305.14
		11/07/11	11.60	307.55
		02/13/12	12.48	306.67
		05/01/12	12.92	306.23
		08/13/12	14.31	304.84
W-17	NM	08/09/10	9.81	--
		11/16/10	8.73	--
		02/07/11	7.93	--
		05/02/11	8.23	--
		08/15/11	8.68	--
		11/07/11	8.22	--
		02/13/12	8.43	--
		05/01/12	8.50	--
		08/13/12	8.58	--

NM = Not Measured
-- = Not Available/Not Applicable
TOC = Top of casing
ft = feet

Table 2
Summary of Groundwater Volatile Organic Compounds (VOC) Analyses
MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-1 (unknown)	05/27/80	GWM	--	--	--	--	--	7.1	--	55	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	60	--	--
A-2 (0-9.5')	05/27/80	GWM	--	--	--	--	--	132	--	1,290	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	13	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	14.7	--	--
	04/20/82	CH2M-HILL	1.3	--	< 0.5	< 0.5	< 0.5	68.4	--	400	--	--
	04/20/82	CH2M-HILL	--	--	--	--	--	2	--	260.9	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1	--	--
	11/17/92	GWM	5	5	5	5	--	5	5	5	10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	--	--
	03/24/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
A-3 (0-11')	05/27/80	GWM	--	--	--	--	--	0.1	--	55.5	1.1	--
	03/01/80	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	06/01/80	CH2M-HILL	< 1	< 1	< 1	--	< 1	< 1	< 1	6.8	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	1.6	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	0.8	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	12	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	3.9	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	0.3	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	5	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	30	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	19.5	--	--
	07/29/86	CH2M-HILL	--	--	--	--	--	--	--	19.5	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	26.5	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	0.8	--	--
	03/01/88	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	12	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	--	--	0.12	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	12	--	--
	10/16/89	GWM	--	--	--	--	--	ND	--	ND	--	--
	06/09/92	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
	09/17/92	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
	11/17/92	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
	03/11/93	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
	06/11/93	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
	09/30/93	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
	11/22/93	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--

Table 2
Summary of Groundwater Volatile Organic Compounds (VOC) Analyses
MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-3 (cont'd)	06/07/94	GWM	< 5.0	< 5.0	< 5.0	< 5.0	--	< 5.0	< 5.0	< 5.0	< 10	--
(0-11')	08/05/94	GWM	ND	ND	ND	ND	--	ND	ND	ND	ND	--
	11/09/94	GWM	< 1.1	< 1.4	< 2.1	< 1.9	--	< 1.3	< 1.8	< 1.7	< 2.6	--
	03/16/95	GWM	< 1	< 1	< 1	< 1	1	< 1	< 1	3.2	< 1	--
	05/16/95	GWM	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
Duplicate	08/21/95	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	11/08/95	GWM	1	1	1	1	1	1	1	0.7	1	--
	03/29/96	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	ND	< 2	--
	06/14/96	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	ND	< 2	--
	09/19/96	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	4	< 2	--
	12/13/96	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	2	< 2	--
	03/26/97	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	4	< 2	--
	06/04/97	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	ND	< 2	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	ND	--	< 10	--	2 J	< 10	--
	04/29/98	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	1.6	< 2	--
Duplicate	08/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	08/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	10/15/98	GWM	ND	< 1	< 1	< 2	--	ND	< 1	ND	ND	--
	06/18/99	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	< 1	< 2	--
	10/06/99	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	< 1	< 2	--
Duplicate	05/31/00	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	10/31/00	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
Duplicate	05/10/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	1.5	< 2	--
	11/08/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	04/11/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	06/13/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	06/13/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/06/03	GWM	< 1	< 1	< 1	< 1	--	< 2	< 1	< 1	< 1	--
	04/22/04	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--
	09/27/04	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	09/27/04	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 5	< 2	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 5	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 5	< 2	--
	04/12/06	GWM	--	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	10/11/06	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/26/07	GWM	--	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	--
	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 1	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	03/19/08*	GWM	< 1	< 1	< 0.9	< 1	< 1	< 1	< 1	< 1	< 2	--
	08/04/09	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	< 1	< 2	--
	03/02/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	< 1	< 2	--
	08/05/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	< 1	< 2	--
	08/11/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-3 (cont'd) (0-11')	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/16/11	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/17/11*	MNA/GWM	--	< 1	< 0.8	< 1	--	< 0.8	< 0.8	< 0.8	< 1	--
	02/16/12	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
A-4 (0-10')	12/05/80	GWM	--	--	--	--	--	--	--	1	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	1.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	2.4	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	3.5	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	09/17/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	06/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	09/30/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	11/22/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	2 B	< 10	--
	11/08/01	GWM	< 1	< 1	< 1	< 1	--	< 2	< 1	< 1	< 2	--
Duplicate	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	1	< 2	--
	03/21/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	03/21/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
A-5 (0-12')	05/27/80	GWM	--	--	--	--	--	121	--	895	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	147	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	240	--	--
	04/19/82	CH2M-HILL	11.2	--	< 0.5	< 0.5	30.8	77.9	--	300	--	--
SS	04/19/82	CH2M-HILL	27.9	--	1.1	< 0.5	67.1	187.7	--	84.7	--	--
TS	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	217.7	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	102	--	--
	06/09/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	4 J	--	5 B	< 10	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	3.3	< 2	--
	03/21/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-6	05/27/80	GWM	--	--	--	--	--	254	--	6040	--	--
(0-12')	04/07/81	GWM	--	--	--	--	--	--	--	386	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	396.5	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	700	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	330	--	--
	03/31/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	15	< 10	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	10	< 2	--
	03/21/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
A-7	05/27/80	GWM	--	--	--	--	--	74	--	58,000	--	--
(0-21')	04/07/81	GWM	--	--	--	--	--	--	--	2,920	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	837	--	--
	04/19/82	CH2M-HILL	316.2	--	13.1	< 0.5	55.7	11.7	--	2,000	--	--
SS	04/19/82	CH2M-HILL	317.1	--	15.3	< 0.5	58.8	14.6	--	1,256	--	--
TS	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	1,490	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	720	--	--
	11/17/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	09/30/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	16	< 10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	15	< 10	--
	10/06/99	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	11	< 2	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	8.3	< 1	< 2	50	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	9.1	< 1	< 2	53	< 2	--
	03/21/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	10	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
A-8	05/27/80	GWM	--	--	--	--	--	1	--	4,500	--	--
(0-12')	04/07/81	GWM	--	--	--	--	--	--	--	4.8	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	765	--	--
	03/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	--	< 5	< 10	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	12	< 10	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	2.6	< 2	--
	03/20/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-9	05/27/80	GWM	--	--	--	--	--	--	--	16663	--	--
(0-13')	04/07/81	GWM	--	--	--	--	--	--	--	81	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	223	--	--
	04/19/82	CH2M-HILL	108.4	--	6.6	< 0.5	13.3	7.8	--	1,500	--	--
SS	04/19/82	CH2M-HILL	68.3	--	3.1	< 0.5	10.9	6.8	--	1,090	--	--
TS	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	729	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1,900	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	256	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	433.5	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	382	--	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	81	< 10	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	6.9	< 1	< 2	50	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	3.7	< 1	< 2	32	< 2	--
	03/20/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
Duplicate	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
A-10	05/05/80	GWM	--	--	--	--	--	92	--	16,773	--	--
(4-104')	05/27/80	GWM	--	--	--	--	--	39.6	--	9,240	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	796	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	734	--	--
A-11	05/27/80	GWM	--	--	--	--	--	48.9	--	6,810	--	--
(0-22')	02/02/81	CH2M-HILL	--	--	--	--	--	--	--	634	--	--
	02/12/81	GWM	--	--	--	--	--	--	--	211	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	1,340	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	1,606	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	450	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1,900	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	644	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	39.4	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	201.8	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	288	--	--
	07/29/86	CH2M-HILL	--	--	--	--	--	--	--	288	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	95.7	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	3.7	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	218.5	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	75.9	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	8.91	--	--	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	190	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	4.1	--	--
	06/09/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	26	< 10	--
	09/17/92	GWM	8	< 5	< 5	< 5	--	< 5	< 5	150	< 10	--
	03/01/93	GWM	--	--	--	--	--	--	--	--	ND	--
	03/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	27	< 10	--
	06/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	11	< 10	--
	11/22/93	GWM	57	< 5	44	< 5	--	< 5	< 5	99	< 10	--
	11/23/93	GWM	--	--	--	--	--	--	--	--	ND	--
	03/31/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--

Table 2
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MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-11 (cont'd) (0-22')	11/09/94	GWM	86	< 1.4	110	< 1.9	--	3.3	< 1.8	130	< 2.6	--
	05/16/95	GWM	3	< 1	22	< 1	4.1	3.3	< 1	189	< 1	--
	11/08/95	GWM	5	1	5	1	3	3	1	48	1	--
	12/13/96	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	1	< 2	--
	03/26/97	GWM	1	< 1	< 1	< 2	--	2	< 1	29	< 2	--
	06/04/97	GWM	3	< 1	1	< 2	--	1	< 1	45	< 2	--
	04/01/98	EPA RI/FS	1 J	< 10	< 10	< 10	--	< 10	--	19 L	< 10	--
	04/29/98	GWM	1.8	< 1	< 1	< 2	--	1.5	< 1	26	< 2	--
	06/01/98	GWM	7	< 10	5 J	< 10	--	2 J	3 J	53	< 10	--
	10/15/98	GWM	20	< 1	7.3	< 2	--	5.2	< 1	200	< 2	--
	12/13/98	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	1	< 2	--
	06/18/99	GWM	12	< 1	4.8	< 2	--	4	< 1	178	< 2	--
	05/31/00	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	13	< 2	--
	10/31/00	GWM	8.2	2.5	4.8	< 1	--	2.2	< 1	131	< 2	--
	05/10/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	12	< 2	--
	11/13/01	GWM	1.6	1.3	1.3	< 1	--	< 1	< 1	36	< 2	--
	04/22/02	GWM	6.2	< 1	2.4	< 1	--	1.7	< 1	85	< 2	--
	11/20/02	GWM	15	1	23	< 1	--	1.3	< 1	86	< 2	--
	06/13/03	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	6.4	< 2	--
	11/06/03	GWM	< 1	< 1	< 1	< 1	--	< 2	< 1	4.2	< 2	--
	04/22/04	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	4.5	< 1	--
	09/27/04	GWM	4.6	< 2	2.1	< 2	--	< 1	< 2	21	< 2	--
	01/27/05	GWM	8.1	< 2	8.3	< 2	--	1.3	< 2	47	< 2	--
	04/26/05	GWM	2.2	< 2	< 2	< 2	--	1.1	< 2	45	< 2	--
	04/12/06	GWM	--	< 2	< 2	< 2	--	< 1	< 2	44	< 2	--
	03/20/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/12/10	MNA	1 J	< 1	< 0.8	< 1	0.9 J	< 0.8	< 0.8	29	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	18	< 1	--
	08/22/11	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	16	< 1	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	18	< 1	--
Duplicate	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	18	< 1	--

Table 2
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MNA Monitoring
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Location ID (screen/open interval, ft.)[o]	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-12	05/27/80	GWM	--	--	--	--	--	61	--	17900	--	--
(0-24')	02/12/81	GWM	--	--	--	--	--	--	--	346	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	860	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	1,264	--	--
	04/19/82	CH2M-HILL	187.5	--	12.2	< 0.5	51.2	21.5	--	2,000	--	--
SS	04/19/82	CH2M-HILL	180.8	--	16.2	< 0.5	52.8	30.4	--	1,261	--	--
TS	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	1,462	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1,500	--	--
	03/31/94	GWM	--	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	06/07/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	84	< 10	--
	08/05/94	GWM	1.6	< 1	1.4	ND	--	1.9	ND	56	ND	--
	11/09/94	GWM	2.9	< 1.4	2.9	< 1.9	--	1.6	< 1.8	99	< 2.6	--
	03/16/95	GWM	1.8	< 1	ND	ND	1.5	2.2	0	26.4	< 2	--
	05/16/95	GWM	3	< 1	1.8	< 1	3.2	1.9	< 1	82	< 1	--
	08/21/95	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	120	< 10	--
	11/08/95	GWM	2	1	1	1	3	1	1	47	1	--
	03/29/96	GWM	< 1	< 1	< 1	< 1	ND	ND	< 1	5	< 2	--
	06/14/96	GWM	2	< 1	1	< 1	5	2	< 1	80	< 2	--
	09/19/96	GWM	1	< 1	< 1	< 1	--	ND	< 1	36	< 2	--
	12/13/96	GWM	< 1	< 1	< 1	< 2	--	2	< 1	9	ND	--
	03/26/97	GWM	ND	ND	ND	ND	--	1	< 1	21	< 2	--
	06/04/97	GWM	ND	ND	ND	ND	--	ND	< 1	39	< 2	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	12	< 10	--
	04/29/98	GWM	< 1	< 1	< 1	< 2	--	< 1	--	4.2	< 2	--
	08/01/98	EPA RI/FS	25 J	< 200	< 200	< 200	--	28 J	--	1,200[4]	< 200	--
	10/15/98	GWM	1.1	< 1	< 1	< 2	--	ND	< 1	25	< 2	--
	10/30/98	GWM	--	--	--	--	--	< 1	--	4.2	--	--
	06/18/99	GWM	1.2	< 1	< 1	< 2	--	< 1	< 1	29	< 2	--
	10/06/99	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	16	< 2	--
	05/31/00	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	14	< 2	--
	10/31/00	GWM	1.3	< 1	< 1	< 1	--	1.3	< 1	44	< 2	--
	05/10/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	18	< 2	--
	11/14/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	34	< 2	--
	04/23/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	8.8	< 2	--
	11/20/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	13	< 2	--
	06/13/03	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	13	< 2	--
	11/06/03	GWM	< 1	< 1	< 1	< 1	--	< 2	< 1	8.4	< 2	--
	04/22/04	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--
	09/27/04	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	11	< 2	--
	01/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	5.1	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	2.7	< 2	--
	04/12/06	GWM	--	< 2	< 2	< 2	--	< 1	< 2	22	< 2	--
	10/11/06	GWM	--	--	--	--	--	0.24 J	--	14	--	--
	04/26/07	GWM	--	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	--
	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-12 (cont'd) (0-24')	06/18/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
	03/19/08*	GWM	< 1	< 1	< 0.9	< 1	< 1	< 1	< 1	2 J	< 2	--
	08/04/09	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	22	< 2	--
	03/02/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	< 1	< 2	--
	08/05/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	15	< 2	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	18	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	10	< 1	--
	02/09/11	GWM	--	--	--	--	--	< 1	--	2 J	--	--
	08/22/11*	MNA/GWM	--	< 1	< 0.8	< 1	--	< 0.8	< 0.8	12	< 1	--
	02/16/12	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	12	< 1	--
A-13 (0-19')	05/27/80	GWM	--	--	--	--	--	24.5	--	6,580	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	1,828	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	948	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	2,254	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	2,000	--	--
	03/17/83	CH2M-HILL	--	--	--	--	--	--	--	1,200	--	--
	03/31/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	27	< 10	--
	06/07/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	46	< 10	--
	08/05/94	GWM	2	ND	1.3	ND	--	1.9	ND	60	ND	--
	11/09/94	GWM	< 1.1	< 1.4	< 2.1	< 1.9	--	2.5	< 1.8	49	< 2.6	--
	03/16/95	GWM	1.6	< 1	< 1	< 2	2.4	2	< 1	35.1	< 2	--
	05/16/95	GWM	1.7	< 1	< 1	< 1	7.2	1.6	< 1	56	< 1	--
	08/21/95	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	48	< 10	--
	11/08/95	GWM	2	1	1	1	3	2	1	52	1	--
	03/29/96	GWM	1	< 1	< 1	< 2	5	1	< 1	40	< 2	--
	06/14/96	GWM	1	< 1	< 1	< 1	5	1	< 1	75	< 2	--
	09/19/96	GWM	1	< 1	< 1	< 2	--	2	< 1	40	< 2	--
	12/13/96	GWM	< 1	< 1	< 1	< 2	--	3	< 1	22	< 2	--
	03/26/97	GWM	ND	ND	ND	ND	--	ND	ND	26	ND	--
	06/04/97	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	8	ND	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	19	< 10	--
	04/29/98	GWM	< 1	< 1	< 1	< 2	--	ND	ND	6.9	ND	--
	08/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	2 J	--	31	< 10	--
	10/15/98	GWM	< 1	< 1	< 1	< 2	--	1.4	< 1	35	< 2	--
	10/30/98	GWM	ND	--	--	--	--	ND	--	6.9	--	--
	06/18/99	GWM	1.3	< 1	< 1	< 2	--	< 1	< 1	26	< 2	--
	10/06/99	GWM	1.3	< 1	< 1	< 2	--	< 1	< 1	23	< 2	--
	05/31/00	GWM	1.2	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	10/31/00	GWM	1	< 1	< 1	< 1	--	< 1	< 1	21	< 2	--
	06/06/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	28	< 2	--
	11/13/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	21	< 2	--
	04/11/02	GWM	1.5	< 1	< 1	< 1	--	< 1	< 1	23	< 2	--
	11/19/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	15	< 2	--
	06/13/03	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	20.6	< 2	--
	11/06/03	GWM	< 1	< 1	< 1	< 1	--	< 2	< 1	11.6	< 2	--
	04/22/04	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	6.8	< 1	--
	09/27/04	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	24	< 2	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-13 (cont'd) (0-19')	01/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	20	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	2.5	< 1	< 2	25	< 2	--
	04/12/06	GWM	--	< 2	< 2	< 2	--	< 1	< 2	16	< 2	--
	10/11/06	GWM	--	--	--	--	--	0.56 J	--	17	--	--
	04/26/07	GWM	--	< 5	< 5	< 5	--	< 5	< 5	6.9	< 5	--
	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
	03/19/08*	GWM	< 1	< 1	< 0.9	< 1	< 1	< 1	< 1	8	< 2	--
	06/18/08	PDI	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	14	< 1	--
	08/04/09	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	24	< 2	--
	03/02/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	24	< 2	--
	08/05/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	22	< 2	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	2 J	1 J	< 0.8	23	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	2 J	0.9 J	< 0.8	24	< 1	--
	02/09/11	GWM	--	--	--	--	--	< 1	--	23	--	--
	08/22/11*	MNA/GWM	--	< 1	< 0.8	< 1	--	< 0.8	< 0.8	15	< 1	--
	02/16/12	GWM	--	--	--	--	--	< 1	--	22	--	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	1 J	< 0.8	28	< 1	--
A-14 (0-19')	05/27/80	GWM	--	--	--	--	--	22.1	--	1,815	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	424	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	33	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	1,289	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	800	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	400	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	85.2	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	161.2	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	267	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	55.3	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	8.1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	246	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	117	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	9.71	--	--	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	190	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	40	--	--
	06/09/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	37	< 10	--
	09/17/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	67	< 10	--
	11/17/92	GWM	< 6	< 5	< 5	< 5	--	5	< 5	110	< 5	--
	06/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	63	< 10	--
	09/30/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	87	< 10	--
	11/22/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	78	< 10	--
	06/07/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	69	< 10	--
	08/05/94	GWM	1.9	ND	1.3	ND	--	2.2	ND	65	ND	--
	11/09/94	GWM	< 2.2	< 2.8	< 4.2	< 3.8	--	3.8	< 3.6	100	< 5.2	--
	03/16/95	GWM	1.2	< 1	1.1	< 1	1.6	1.3	< 1	31.9	< 1	--
	05/16/95	GWM	2.2	< 1	1.1	< 1	3.4	1.8	< 1	83	< 1	--
	08/21/95	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	110	< 10	--
	11/08/95	GWM	2	1	1	1	4	2	1	52	1	--
	03/29/96	GWM	< 5	< 5	< 5	< 5	2	1	< 1	27	< 2	--
	06/14/96	GWM	< 5	< 5	< 5	< 5	2	< 1	< 1	37	< 2	--

Table 2
Summary of Groundwater Volatile Organic Compounds (VOC) Analyses
MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-14 (cont'd) (0-19')	09/19/96	GWM	2	< 1	< 1	< 2	--	2	< 1	58	< 2	--
	12/13/96	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	10	< 1	--
	03/26/97	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	20	< 1	--
	06/04/97	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	20	< 2	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	22	< 10	--
	04/29/98	GWM	< 1	< 1	< 1	< 2	--	1.1	< 1	7.6	< 2	--
	08/01/98	EPA RI/FS	2	< 10	< 10	< 10	--	1 J	--	70	< 10	--
	10/15/98	GWM	2.1	< 1	< 1	< 2	--	1.6	< 1	60	< 2	--
	04/26/04	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	11	< 2	--
	09/27/04	GWM	< 2	< 2	< 2	< 2	5.9	< 1	< 2	3.8	< 2	--
	01/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	10	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	11	< 2	--
	10/11/06	GWM	--	--	--	--	--	< 1	--	1.3	--	--
	04/26/07	GWM	--	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	--
	03/20/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 1	3 J	< 1	--
	06/18/08	PDI	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	9	< 1	--
	03/20/08*	GWM	< 1	< 1	< 0.9	< 1	< 1	< 1	< 1	2 J	< 2	--
	08/04/09	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	2 J	< 2	--
	03/02/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	< 1	< 2	--
	08/05/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	7	< 2	--
	08/11/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	3 J	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	19	< 1	--
	02/09/11	GWM	--	--	--	--	--	< 1	--	7	--	--
	08/22/11*	MNA/GWM	--	< 1	< 0.8	< 1	--	< 0.8	< 0.8	11	< 1	--
	02/16/12	GWM	--	--	--	--	--	< 1	--	6	--	--
	08/22/12	MNA	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	4 J	< 1	--
A-15 (unknown)	04/07/81	GWM	--	--	--	--	--	--	--	2.3	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	7.3	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	18.8	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	6.3	--	--
A-16 (0-9.5')	04/07/81	GWM	--	--	--	--	--	--	--	7.6	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	17.9	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	65	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	70	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	03/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	03/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	ABANDONED											

Table 2
Summary of Groundwater Volatile Organic Compounds (VOC) Analyses
MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
A-17	04/07/81	GWM	--	--	--	--	--	--	--	1890	--	--
(0-11.5')	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	6,000	--	--
Duplicate	03/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	03/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/15/11	DRY										
A-18	06/10/81	GWM	--	--	--	--	--	--	--	201.1	--	--
(0-13')	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	6,000	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	221	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	201	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	< 1	--	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	17 L	< 10	--
	01/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	03/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
	08/15/11	DRY										
FOX MW-1	04/11/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
(unknown)	05/14/03	GWM	< 10	< 10	< 10	< 10	6 B	< 10	< 10	< 4 B	< 10	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	06/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/10/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/19/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/19/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/15/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
FOX MW-2	04/11/02	GWM	10	< 10	6.7	< 10	--	< 10	< 10	14	< 2	--
(unknown)	05/01/03	GWM	12	< 0.5	8 J	< 0.5	< 0.5	< 0.5	< 0.5	13	< 0.5	--
	05/14/03	GWM	11	< 10	7 J	< 10	11 B	< 10	< 10	23	6 B	--
	01/25/05	GWM	9.8	< 2	6.7	< 2	< 2	< 1	< 2	12	< 2	--
Duplicate	04/27/05	GWM	13	< 2	9.2	< 2	< 2	< 1	< 2	16	< 2	--
	04/27/05	GWM	13	< 2	9.2	< 2	< 2	< 1	< 2	16	< 2	--
Duplicate	06/19/08	PDI	11	< 1	6	< 1	< 0.8	< 0.8	< 0.8	12	< 1	--
	06/19/08	PDI	11	< 1	7	< 1	< 0.8	< 0.8	< 0.8	13	< 1	--
	08/10/10	MNA	8	< 1	7	< 1	< 0.8	< 0.8	< 0.8	12	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/11	MNA	7	< 1	6	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
	08/15/12	MNA	8	< 1	9	< 1	< 0.8	< 0.8	< 0.8	12	< 1	--
FOX MW-3	04/11/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--
(unknown)	05/17/03	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
FOX MW-4	05/14/03	GWM	< 10	< 10	< 10	< 10	2 B	< 10	< 10	< 10	< 10	--
(unknown)	01/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
FOX MW-5	04/11/02	GWM	6.5	6.3	< 10	< 10	--	1.1	< 10	56	ND	--
(unknown)	05/20/02	GWM	6.5	6.3	< 1	< 1	--	1.1	< 1	56	< 2	--
Duplicate	05/14/03	GWM	15	< 10	5 J	< 10	6 B	2 J	< 10	120	8 B	--
	05/14/03	GWM	18	< 10	16	< 10	< 3 B	2 J	< 10	130	< 10	--
	01/25/05	GWM	17	< 2	12	< 2	< 2	1.5	< 2	93	< 2	--
	04/27/05	GWM	20	< 2	17	< 2	< 2	1.5	< 2	93	< 2	--
	06/19/08	PDI	19	< 1	1 J	< 1	2 J	1 J	< 0.8	100	< 1	--
	08/24/09	PDI	17	< 1	19	< 1	2 J	1 J	< 0.8	100	< 1	--
	08/10/10	MNA	15	< 1	19	< 1	2 J	2 J	< 0.8	110	< 1	--
	11/16/10	MNA	10	< 1	3 J	< 1	1 J	1 J	< 0.8	78	< 1	--
	02/16/11	MNA	12	< 1	13	< 1	2 J	1 J	< 0.8	92	< 1	--
	05/03/11	MNA	12	< 1	< 0.8	< 1	1 J	1 J	< 0.8	79	< 1	--
	08/16/11	MNA	12	< 1	< 0.8	< 1	1 J	1 J	< 0.8	92	< 1	--
	11/08/11	MNA	11	< 1	10	< 1	1 J	1 J	< 0.8	81	< 1	--
	02/14/12	MNA	13	< 1	7	< 1	2 J	2 J	< 0.8	96	< 1	--
	05/02/12	MNA	15	< 1	14	< 1	2 J	2 J	< 0.8	94	< 1	--
	08/15/12	MNA	13	< 1	14	< 1	2 J	2 J	< 0.8	92	< 1	--
NP-21	09/29/80	GWM	7.2	--	--	--	--	0.9	--	5.9	--	--
(50-500')	04/08/80	CH2M-HILL	--	--	--	--	--	--	--	5.7	--	--
	05/01/80	CH2M-HILL	--	--	--	--	--	--	--	30	--	--
	06/01/80	CH2M-HILL	4	--	< 1	< 1	< 1	< 1	< 1	11	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	20 J	--	--
	01/03/84	CH2M-HILL	5.3	--	0.6	--	0.2	--	--	10.8	--	--
	01/09/84	CH2M-HILL	6.4	--	0.7	--	< 0.2	--	--	11.2	--	--
	01/23/84	CH2M-HILL	5.6	--	2.3	--	0.2	--	--	11	--	--
	01/30/84	CH2M-HILL	5.6	--	0.8	--	0.2	--	--	10.6	--	--
	02/02/84	CH2M-HILL	5.5	--	0.8	--	< 0.2	--	--	10.2	--	--
	02/06/84	CH2M-HILL	5.3	--	0.8	--	0.3	--	--	10.2	--	--
	02/10/84	CH2M-HILL	5.5	--	0.8	--	0.2	--	--	10	--	--
	02/13/84	CH2M-HILL	5.4	--	0.9	--	0.2	--	--	10.4	--	--
	02/16/84	CH2M-HILL	5.2	--	0.8	--	0.5	--	--	9.9	--	--
	02/21/84	CH2M-HILL	4.5	--	0.8	--	0.2	--	--	8.1	--	--
	02/27/84	CH2M-HILL	8.9	--	1.3	--	0.2	--	--	14.2	--	--
	03/12/84	CH2M-HILL	8.9	--	1.2	--	0.3	--	--	10.2	--	--
	03/19/84	CH2M-HILL	9.3	--	1.3	--	1.2	--	--	8.9	--	--
	03/20/84	CH2M-HILL	9.5	--	1.3	--	0.2	--	--	8.9	--	--
	03/26/84	CH2M-HILL	10.1	--	3	--	0.5	--	--	8.8	--	--
	04/09/84	CH2M-HILL	13.8	--	1.7	--	0.3	--	--	9.9	--	--
	04/23/84	CH2M-HILL	13.5	--	2.5	--	0.2	--	--	8.1	--	--
	05/07/84	CH2M-HILL	11.4	--	2.1	--	0.2	--	--	10.1	--	--
	05/21/84	CH2M-HILL	9.4	--	0.9	--	0.2	--	--	9.4	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	11.9	--	--
	08/06/84	CH2M-HILL	14.6	--	1.2	--	0.2	--	--	13.5	--	--
	08/27/84	CH2M-HILL	12.1	--	1	--	< 0.5	--	--	8.6	--	--
	08/31/84	CH2M-HILL	9.5	--	1.1	--	< 0.5	--	--	10.5	--	--
	10/22/84	CH2M-HILL	9	--	1.5	--	< 0.5	--	--	11.2	--	--
	11/12/84	CH2M-HILL	7.4	--	2	--	< 0.5	--	--	9.4	--	--
	11/26/84	CH2M-HILL	7.1	--	1.7	--	< 0.5	--	--	9.1	--	--
	12/10/84	CH2M-HILL	5.5	--	2	--	< 0.5	--	--	10.5	--	--
	01/07/85	CH2M-HILL	9.4	--	2.1	--	< 0.5	--	--	10.5	--	--
	01/21/85	CH2M-HILL	7.3	--	1.3	--	< 0.5	--	--	13.2	--	--
	02/11/85	CH2M-HILL	5.1	--	1.4	--	< 0.5	--	--	7.8	--	--
	02/25/85	CH2M-HILL	6.3	--	1.5	--	< 0.5	--	--	9.9	--	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
NP-21 (cont'd) (50-500')	03/13/85	CH2M-HILL	7	--	1.7	--	< 0.5	--	--	12.2	--	--
	03/25/85	CH2M-HILL	9	--	1.4	--	< 0.5	--	--	10.8	--	--
	04/22/85	CH2M-HILL	8.3	--	1.2	--	< 0.5	--	--	8.3	--	--
	05/06/85	CH2M-HILL	12	--	2.5	--	< 0.5	--	--	19.8	--	--
	05/20/85	CH2M-HILL	4.8	--	1.2	--	< 0.5	--	--	10	--	--
	06/03/85	CH2M-HILL	7.1	--	1.3	--	< 0.5	--	--	13.7	--	--
	06/17/85	CH2M-HILL	6	--	0.7	--	< 0.5	--	--	9.6	--	--
	06/24/85	CH2M-HILL	3.9	--	0.8	--	< 0.5	--	--	7.8	--	--
	07/08/85	CH2M-HILL	5.7	--	0.9	--	< 0.5	--	--	8.8	--	--
	07/22/85	CH2M-HILL	6.4	--	< 0.5	--	< 0.5	--	--	1.7	--	--
	08/05/85	CH2M-HILL	5	--	< 0.5	--	< 0.5	--	--	5.1	--	--
	08/19/85	CH2M-HILL	4.1	--	< 0.5	--	< 0.5	--	--	2.1	--	--
	09/03/85	CH2M-HILL	4.8	--	0.5	--	< 0.5	--	--	5.5	--	--
	09/16/85	CH2M-HILL	4.6	--	< 0.5	--	< 0.5	--	--	1.6	--	--
	10/07/85	CH2M-HILL	3.9	--	1.1	--	< 0.5	--	--	11.7	--	--
	10/21/85	CH2M-HILL	3.8	--	0.5	--	< 0.5	--	--	7.7	--	--
	11/04/85	CH2M-HILL	3	--	< 0.5	--	< 0.5	--	--	7.5	--	--
	12/09/85	CH2M-HILL	4	--	< 0.5	--	< 0.5	--	--	9.6	--	--
	12/30/85	CH2M-HILL	3.2	--	< 0.5	--	< 0.5	--	--	8.5	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	4.2	--	--
SS	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	4.2	--	--
	01/12/87	CH2M-HILL	5.5	--	0.8	--	--	--	--	9.2	--	--
	01/19/87	CH2M-HILL	5.8	--	0.9	--	--	--	--	8.8	--	--
	02/02/87	CH2M-HILL	5.3	--	0.9	--	--	--	--	7.2	--	--
	02/17/87	CH2M-HILL	5.3	--	0.7	--	--	--	--	7.8	--	--
	03/02/87	CH2M-HILL	6.9	--	0.8	--	--	--	--	8.5	--	--
	03/16/87	CH2M-HILL	5.5	--	0.9	--	--	--	--	7.2	--	--
	03/30/87	CH2M-HILL	7.1	--	1	--	--	--	--	8.4	--	--
	04/13/87	CH2M-HILL	6.8	--	0.9	--	--	--	--	8.6	--	--
	04/27/87	CH2M-HILL	6.4	--	0.9	--	--	--	--	9.9	--	--
	05/04/87	CH2M-HILL	4.8	--	0.8	--	--	--	--	7.9	--	--
	05/18/87	CH2M-HILL	5.9	--	0.8	--	--	--	--	8.3	--	--
	06/01/87	CH2M-HILL	4.4	--	0.6	--	--	--	--	6.2	--	--
	06/03/87	CH2M-HILL	9.8	--	1.1	--	--	--	--	11.2	--	--
	06/15/87	CH2M-HILL	5.8	--	0.7	--	--	--	--	6.2	--	--
	06/29/87	CH2M-HILL	7.6	--	0.7	--	--	--	--	6.4	--	--
	07/20/87	CH2M-HILL	2.9	--	< 0.5	--	--	--	--	5.5	--	--
	07/27/87	CH2M-HILL	6.6	--	0.9	--	--	--	--	9.7	--	--
	08/12/87	CH2M-HILL	3.5	--	0.5	--	--	--	--	6.1	--	--
	08/24/87	CH2M-HILL	3.7	--	0.5	--	--	--	--	6.3	--	--
	09/08/87	CH2M-HILL	6.1	--	< 0.5	--	--	--	--	3.3	--	--
	09/21/87	CH2M-HILL	5.3	--	0.5	--	--	--	--	7	--	--
	10/05/87	CH2M-HILL	5	--	0.6	--	--	--	--	6.9	--	--
	10/19/87	CH2M-HILL	3.4	--	< 0.5	--	--	--	--	4.6	--	--
	11/02/87	CH2M-HILL	3.2	--	< 0.5	--	--	--	--	6.5	--	--
	11/11/87	CH2M-HILL	3.1	--	< 0.5	--	--	--	--	6.2	--	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
NP-21 (cont'd) (50-500')	11/23/87	CH2M-HILL	2.3	--	< 0.5	--	--	--	--	5.5	--	--
	12/07/87	CH2M-HILL	2.8	--	0.5	--	--	--	--	5.7	--	--
	12/21/87	CH2M-HILL	4	--	< 0.5	--	--	--	--	8.4	--	--
	04/14/88	CH2M-HILL	3.6	--	< 0.5	< 0.5	< 0.5	--	< 0.5	7.3	< 0.5	--
	06/17/88	CH2M-HILL	--	--	--	--	--	--	--	6.2	--	--
	07/01/88	GWM	ND	--	1.1	--	--	--	--	14.2	--	--
	07/19/88	CH2M-HILL	3.1	--	0.6	< 0.5	< 0.5	--	< 0.5	5	< 0.5	--
	08/02/88	CH2M-HILL	--	--	--	--	--	--	--	8.6	--	--
	09/07/88	CH2M-HILL	< 0.5	--	1.1	< 0.5	< 0.5	--	< 0.5	14.2	< 0.5	--
	01/01/89	GWM	2.7	--	ND	--	--	--	--	3.5	--	--
	04/01/89	GWM	1.7	--	ND	--	--	--	--	4.6	--	--
	07/09/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
NP-87 (103-476')	06/01/98	EPA RI/FS	1 J	< 10	< 10	< 10	--	< 10	--	< 1 B	< 10	--
	08/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	1 J	< 10	--
	04/11/02	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	1.3	< 20	--
	05/20/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	1.3	< 2	--
Duplicate	07/09/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	07/09/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
PROD WELL (unknown)	02/26/80	GWM	--	--	--	--	--	ND	--	ND	--	--
	08/30/79	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	09/19/79	CH2M-HILL	--	--	--	--	--	< 0.1	--	< 0.1	--	--
	10/12/79	CH2M-HILL	--	--	--	--	--	< 0.1	--	< 0.1	--	--
	03/12/80	GWM	--	--	--	--	--	0.1	--	0.1	--	--
	03/24/80	GWM	--	--	--	--	--	0.1	--	14.3‡	--	--
	04/08/80	GWM	--	--	--	--	--	0.1	--	3	--	--
	05/02/80	GWM	--	--	--	--	--	1	--	1.1	--	--
	05/29/80	GWM	--	--	--	--	--	0.1	--	0.6	--	--
	07/11/80	GWM	--	--	--	--	--	ND	--	ND	--	--
	08/11/80	GWM	--	--	--	--	--	0.2	--	ND	--	--
	09/04/80	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	09/04/80	GWM	--	--	--	--	--	0.2	--	ND	--	--
	11/06/80	GWM	--	--	--	--	--	ND	--	ND	--	--
	12/05/80	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	12/05/80	GWM	--	--	--	--	--	ND	--	ND	--	--
	01/30/81	GWM	--	--	--	--	--	ND	--	ND	--	--
	02/27/81	GWM	--	--	--	--	--	ND	--	ND	--	--

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Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PROD WELL (cont'd) (unknown)	03/26/81	GWM	--	--	--	--	--	ND	--	2.9	--	--
	04/24/81	GWM	--	--	--	--	--	ND	--	ND	--	--
	05/08/81	GWM	--	--	--	--	--	ND	--	1.4	--	--
	06/23/81	GWM	--	--	--	--	--	ND	--	1.6	--	--
	07/28/81	GWM	--	--	--	--	--	ND	--	ND	--	--
	09/24/81	GWM	--	--	--	--	--	ND	--	0.1	--	--
	11/13/81	GWM	--	--	--	--	--	ND	--	0.4	--	--
	12/02/81	GWM	--	--	--	--	--	ND	--	0.1	--	--
	01/27/82	GWM	--	--	--	--	--	ND	--	0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	20	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1.1	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	0.4	--	--
	01/20/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/17/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/16/88	GWM	--	--	--	--	--	3.4	--	3.1	--	--
	04/20/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	05/18/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/15/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/20/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/17/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/21/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/19/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	11/18/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/20/88	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/18/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/16/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/28/08	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/20/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/18/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	05/16/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/20/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/18/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/16/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/20/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/18/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PROD WELL (cont'd) (unknown)	11/15/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/14/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/20/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/16/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/06/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/20/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/20/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/17/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	05/15/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/19/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/17/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/15/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/18/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/16/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	11/21/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/04/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/18/90	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/15/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/20/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/19/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/16/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	05/14/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/18/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/16/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/20/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/03/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/17/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/15/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	11/19/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/17/91	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/14/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/18/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/17/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/14/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PROD WELL (cont'd) (unknown)	05/13/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/09/92	GWM	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
	06/18/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/08/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/11/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/09/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/13/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	11/10/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/08/92	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/12/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/10/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/09/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/14/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	05/11/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/08/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/14/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/10/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	09/08/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/20/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/07/93	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/11/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/08/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/01/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/08/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/12/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	05/16/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	06/07/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/12/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	08/09/94	GWM	< 0.28	< 0.05	< 0.12	< 0.09	--	< 0.11	--	< 0.11	< 0.09	--
	09/13/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	10/10/94	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--
	10/11/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	11/09/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	12/13/94	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	01/10/95	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	02/07/95	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	03/07/95	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	04/11/95	GWM	--	--	--	--	--	< 0.43	--	< 0.43	--	--
	05/09/95	GWM	--	--	--	--	--	< 0.43	--	< 0.43	--	--
	06/13/95	GWM	--	--	--	--	--	< 0.43	--	< 0.43	--	--
	07/12/95	GWM	< 0.52	< 0.4	< 0.69	< 0.56	--	< 0.24	< 0.43	< 0.24	< 0.68	--
	08/08/95	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--
	08/22/95	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	09/13/95	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	10/11/95	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PROD WELL (cont'd) (unknown)	11/07/95	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	12/13/95	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	01/10/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	02/13/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/15/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	05/09/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	06/14/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	09/11/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	10/05/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/15/96	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	01/09/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	02/12/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	03/13/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/25/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	05/27/97	GWM	0.5	0.5	0.5	0.5	--	0.5	0.5	0.5	0.5	--
	06/04/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	07/10/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	08/20/97	GWM	0.5	0.5	0.5	0.5	--	0.5	0.5	0.5	0.5	--
	09/18/97	GWM	0.5	0.5	0.5	0.5	--	0.5	0.5	0.5	0.5	--
	10/13/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/20/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	12/03/97	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	01/16/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	02/06/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	03/06/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/09/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	05/12/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	06/11/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	07/10/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	08/20/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	09/17/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	10/15/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/05/98	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	12/10/98	GWM	ND	ND	ND	ND	--	ND	ND	ND	ND	--
	01/21/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	02/11/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	03/19/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/15/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	05/06/99	GWM	ND	ND	ND	ND	--	ND	ND	ND	ND	--
	06/10/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	07/07/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	08/12/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	09/02/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	10/06/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	10/07/99	GWM	ND	ND	ND	ND	--	ND	ND	ND	ND	--

Table 2
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MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PROD WELL (cont'd) (unknown)	10/15/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/11/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	12/02/99	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	10/31/00	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	06/06/01	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/13/01	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/16/02	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/18/02	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	04/13/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	06/04/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/14/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 0.5	< 0.5	< 0.5	--
	11/22/04	GWM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--
	12/21/04	GWM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--
	01/25/05	GWM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	< 0.5	< 0.5	--
	02/22/05	GWM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--
	03/23/05	GWM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--
PW-1 (11-60')	03/25/08	PDI	2 J	< 1	1 J	< 1	6	3 J	< 0.8	51	< 1	--
	06/17/08	PDI	1 J	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	40	< 1	--
Duplicate	06/17/08	PDI	1 J	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	39	< 1	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	26	< 1	--
	11/17/10	MNA	1 J	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	34	< 1	--
Duplicate	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	30	< 1	--
	02/16/11	MNA	0.8 J	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	35	< 1	--
	05/04/11	MNA	1 J	< 1	< 0.8	< 1	4 J	< 0.8	< 0.8	44	< 1	--
	08/19/11	MNA	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	32	< 1	--
	11/09/11	MNA	1 J	< 1	0.9 J	< 1	3 J	< 0.8	< 0.8	38	< 1	--
	02/17/12	MNA	2 J	< 1	2 J	< 1	4 J	1 J	< 0.8	55	< 1	--
	05/03/12	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	21	< 1	--
	08/21/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	31	< 1	--
PW-2 (12-61')	03/20/08	PDI	6	< 1	2 J	< 1	5 J	3 J	< 0.8	65	< 1	--
Duplicate	06/18/08	PDI	8	< 1	2 J	< 1	5 J	3 J	< 0.8	78	< 1	--
	06/18/08	PDI	8	< 1	2 J	< 1	4 J	3 J	< 0.8	79	< 1	--
	08/16/10	MNA	11	< 1	2 J	< 1	4 J	3 J	< 0.8	96	< 1	--
	11/17/10	MNA	11	< 1	2 J	< 1	4 J	3 J	< 0.8	88	< 1	--
	02/16/11	MNA	5 J	< 1	0.8 J	< 1	2 J	3 J	< 0.8	56	< 1	--
	05/04/11	MNA	4 J	< 1	1 J	< 1	2 J	2 J	< 0.8	46	< 1	--
	08/18/11	MNA	10	< 1	2 J	< 1	4 J	3 J	< 0.8	94	< 1	--
	11/09/11	MNA	6	< 1	2 J	< 1	3 J	2 J	< 0.8	66	< 1	--
	02/16/12	MNA	10	< 1	2 J	< 1	4 J	3 J	< 0.8	95	< 1	--
Duplicate	02/16/12	MNA	10	< 1	2 J	< 1	4 J	3 J	< 0.8	93	< 1	--
	05/03/12	MNA	11	< 1	2 J	< 1	4 J	3 J	< 0.8	91	< 1	--
	08/16/12	MNA	11	< 1	2 J	< 1	4 J	3 J	< 0.8	99	< 1	--
PW-3 (12-60')	03/20/08	PDI	1 J	< 1	< 0.8	< 1	1 J	2 J	< 0.8	22	< 1	--
Duplicate	03/20/08	PDI	1 J	< 1	< 0.8	< 1	1 J	2 J	< 0.8	21	< 1	--
	06/19/08	PDI	1 J	< 1	< 0.8	< 1	2 J	3 J	< 0.8	31	< 1	--
	08/13/10	MNA	3 J	< 1	< 0.8	< 1	3 J	4 J	< 0.8	49	< 1	--
	11/17/10	MNA	3 J	< 1	< 0.8	< 1	2 J	4 J	< 0.8	39	< 1	--
	08/18/11	MNA	2 J	< 1	< 0.8	< 1	3 J	3 J	< 0.8	38	< 1	--
	08/16/12	MNA	2 J	< 1	0.9 J	< 1	3 J	3 J	< 0.8	39	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PW-4 (12-61')	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	18	< 1	--
Duplicate	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	18	< 1	--
	06/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	15	< 1	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	13	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	20	< 1	--
	08/18/11	MNA	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	21	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	21	< 1	--
PW-5 (11-70')	03/25/08	PDI	< 0.8	< 1	< 0.8	< 1	5	< 0.8	< 0.8	36	< 1	--
Duplicate	03/25/08	PDI	< 0.8	< 1	< 0.8	< 1	5	< 0.8	< 0.8	36	< 1	--
	06/19/08	PDI	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	18	< 1	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	15	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	9	< 1	--
	08/18/11	MNA	2 J	< 1	< 0.8	< 1	2 J	0.8 J	< 0.8	25	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	21	< 1	--
PW-6A	03/19/08	PDI	< 0.8	2 J	8	< 1	2 J	< 0.8	< 0.8	12	< 1	--
(18-52')	06/18/08	PDI	< 0.8	4 J	17	< 1	4 J	< 0.8	< 0.8	17	< 1	--
	08/12/10	MNA	< 0.8	2 J	14	< 1	5 J	< 0.8	< 0.8	14	< 1	--
	11/17/10	MNA	< 0.8	3 J	18	< 1	5	< 0.8	< 0.8	15	< 1	--
	08/18/11	MNA	< 0.8	2 J	10	< 1	2 J	< 0.8	< 0.8	16	< 1	--
Duplicate	08/18/11	MNA	< 0.8	2 J	3 J	< 1	1 J	< 0.8	< 0.8	12	< 1	--
	08/20/12	MNA	< 0.8	2 J	10	< 1	2 J	< 0.8	< 0.8	15	< 1	--
PW-6B	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5 J	< 1	--
(66-86')	06/18/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	0.9 J	< 0.8	< 0.8	8	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5	< 1	--
	08/18/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5 J	< 1	--
PW-7A	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
(90-110')	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5	< 1	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
	11/19/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/18/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
PW-7B	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
(124-144')	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/12/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5	< 1	--
	11/19/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5	< 1	--
	08/18/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5 J	< 1	--
	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
PW-8A	03/18/08	PDI	3 J	< 1	3 J	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
(18-46')	06/16/08	PDI	5	< 1	6	< 1	< 0.8	< 0.8	< 0.8	13	< 1	--
	08/11/10	MNA	10	< 1	13	< 1	< 0.8	< 0.8	< 0.8	28	< 1	--
	11/18/10	MNA	6	< 1	6	< 1	< 0.8	< 0.8	< 0.8	13	< 1	<0.010
	02/15/11	MNA	20	< 1	30	< 1	2 J	< 0.8	< 0.8	81	< 1	0.015 J
	05/03/11	MNA	14	< 1	18	< 1	1 J	< 0.8	< 0.8	46	< 1	< 0.010
	08/22/11	MNA	17	< 1	25	< 1	1 J	< 0.8	< 0.8	54	< 1	0.013 J
	11/08/11	MNA	10	< 1	15	< 1	0.8 J	< 0.8	< 0.8	33	< 1	0.012 J
	02/15/12	MNA	11	< 1	11	< 1	< 0.8	< 0.8	< 0.8	27	< 1	0.013 J
	05/03/12	MNA	9	< 1	11	< 1	< 0.8	< 0.8	< 0.8	26	< 1	< 0.010
	08/21/12	MNA	11	< 1	11	< 1	< 0.8	< 0.8	< 0.8	26	< 1	0.010 J

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PW-8B	03/18/08	PDI	< 0.8	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
(60-100')	06/16/08	PDI	< 0.8	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
	08/11/10	MNA	2 J	< 1	6	< 1	1 J	< 0.8	< 0.8	28	< 1	--
	11/18/10	MNA	< 0.8	< 1	2 J	< 1	0.9 J	< 0.8	< 0.8	9	< 1	--
	02/15/11	MNA	0.9 J	< 1	3 J	< 1	0.9 J	< 0.8	< 0.8	12	< 1	--
	05/03/11	MNA	< 0.8	< 1	2 J	< 1	0.9 J	< 0.8	< 0.8	8	< 1	--
	08/16/11	MNA	1 J	< 1	3 J	< 1	0.9 J	< 0.8	< 0.8	11	< 1	--
	11/08/11	MNA	0.8 J	< 1	2 J	< 1	1 J	< 0.8	< 0.8	9	< 1	--
	02/14/12	MNA	0.9 J	< 1	3 J	< 1	0.9 J	< 0.8	< 0.8	9	< 1	--
	05/02/12	MNA	1 J	< 1	2 J	< 1	1 J	< 0.8	< 0.8	9	< 1	--
	08/15/12	MNA	1 J	< 1	3 J	< 1	1 J	< 0.8	< 0.8	12	< 1	--
PW-9A	03/24/08	PDI	< 0.8	< 1	4 J	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
(10-48')	06/18/08	PDI	< 0.8	< 1	22	< 1	1 J	< 0.8	< 0.8	12	< 1	--
	08/12/10	MNA	< 0.8	< 1	45	< 1	3 J	< 0.8	< 0.8	23	< 1	--
	11/19/10	MNA	< 0.8	< 1	36	< 1	2 J	< 0.8	< 0.8	19	< 1	--
	08/17/11	MNA	< 0.8	< 1	33	< 1	2 J	< 0.8	< 0.8	17	< 1	--
	08/22/12	MNA	< 0.8	< 1	26	< 1	2 J	< 0.8	< 0.8	15	< 1	--
PW-9B	03/24/08	PDI	< 0.8	< 1	3 J	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
(62-85')	06/18/08	PDI	2 J	< 1	16	< 1	4 J	< 0.8	< 0.8	19	< 1	--
	08/12/10	MNA	2 J	< 1	33	< 1	7	< 0.8	< 0.8	34	< 1	--
	11/19/10	MNA	1 J	< 1	28	< 1	7	< 0.8	< 0.8	31	< 1	--
	08/17/11	MNA	2 J	1 J	47	< 1	9	< 0.8	< 0.8	41	< 1	--
	08/22/12	MNA	4 J	2 J	82	< 1	13	< 0.8	< 0.8	51	< 1	--
PW-10A	03/19/08	PDI	28	6	42	< 1	4 J	2 J	< 0.8	180	< 1	--
(19-50')	06/17/08	PDI	19	8	40	< 1	5	2 J	< 0.8	150	< 1	--
	08/11/10	MNA	7	7	46	< 1	5	2 J	< 0.8	120	< 1	--
	11/18/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	11	< 1	0.012 J
	02/15/11	MNA	7	7	49	< 1	4 J	2 J	< 0.8	120	< 1	0.110
	05/03/11	MNA	5	6	44	< 1	4 J	1 J	< 0.8	100	< 1	0.043 J
	08/23/11	MNA	5	7	54	< 1	4 J	2 J	< 0.8	110	< 1	0.11
	11/09/11	MNA	6	5 J	38	< 1	4 J	1 J	< 0.8	100	< 1	0.12
	02/15/12	MNA	7	6	46	< 1	4 J	2 J	< 0.8	120	< 1	0.13
	05/03/12	MNA	8	5	40	< 1	4 J	2 J	< 0.8	120	< 1	0.11
	08/21/12	MNA	7	6	52	< 1	5 J	2 J	< 0.8	120	< 1	0.12
Duplicate	08/21/12	MNA	6	6	54	< 1	4 J	2 J	< 0.8	130	< 1	--
PW-10B	03/19/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	10	< 1	--
(64-84')	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	14	< 1	--
	08/11/10	MNA	< 0.8	< 1	< 0.8	< 1	0.8 J	< 0.8	< 0.8	14	< 1	--
Duplicate	08/11/10	MNA	1 J	< 1	3 J	< 1	0.8 J	< 0.8	< 0.8	15	< 1	--
	11/18/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
	02/15/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	12	< 1	--
	05/03/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
	08/18/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	10	< 1	--
	11/09/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
	02/14/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
	05/02/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	12	< 1	--
	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	12	< 1	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
PW-11	08/25/09	GWM	13	1 J	48	< 1	2 J	2 J	< 0.8	110	< 1	--
Duplicate	08/25/09	GWM	13	1 J	47	< 1	2 J	2 J	< 0.8	110	< 1	--
(13-80')	08/11/10	MNA	8	< 1	29	< 1	2 J	1 J	< 0.8	69	< 1	--
	11/18/10	MNA	8	< 1	29	< 1	2 J	1 J	< 0.8	68	< 1	0.027 J
	02/08/11	MNA	6	< 1	19	< 1	2 J	1 J	< 0.8	60	< 1	0.020 J
	05/03/11	MNA	7	< 1	22	< 1	2 J	1 J	< 0.8	62	< 1	< 0.010
	08/22/11	MNA	9	1 J	38	< 1	2 J	1 J	< 0.8	70	< 1	0.032 J
	11/08/11	MNA	7	< 1	31	< 1	2 J	0.9 J	< 0.8	63	< 1	0.034 J
	02/15/12	MNA	9	< 1	30	< 1	2 J	0.9 J	< 0.8	65	< 1	0.035 J
	05/03/12	MNA	7	< 1	30	< 1	2 J	1 J	< 0.8	60	< 1	0.029 J
	08/21/12	MNA	8	1 J	34	< 1	2 J	1 J	< 0.8	66	< 1	0.035 J
PW-11A (Shallow)	08/25/09	GWM	13	1 J	41	< 1	2 J	1 J	< 0.8	95	< 1	--
PW-11B (Deep)	08/25/09	GWM	13	1 J	30	< 1	2 J	2 J	< 0.8	120	< 1	--
PW-12	08/25/09	GWM	1 J	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
(13-80')	08/11/10	MNA	1 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
	11/17/10	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
	02/15/11	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	10	< 1	--
	05/03/11	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
	08/17/11	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--
	11/08/11	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	10	< 1	--
	02/15/12	MNA	2 J	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
	05/02/12	MNA	2 J	< 1	1 J	< 1	0.9 J	< 0.8	< 0.8	12	< 1	--
	08/16/12	MNA	2 J	< 1	1 J	< 1	0.9 J	< 0.8	< 0.8	12	< 1	--
PW-12A (Shallow)	08/25/09	GWM	1 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	7	< 1	--
PW-12B (Deep)	08/25/09	GWM	1 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	8	< 1	--
PW-13	08/25/09	GWM	3 J	< 1	< 0.8	< 1	0.9 J	< 0.8	< 0.8	9	< 1	--
(19-80')	08/13/10	MNA	3 J	< 1	< 0.8	< 1	0.9 J	< 0.8	< 0.8	12	< 1	--
	11/17/10	MNA	2 J	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	11	< 1	--
	02/15/11	MNA	2 J	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	13	< 1	--
	05/03/11	MNA	2 J	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	13	< 1	--
	08/17/11	MNA	2 J	< 1	< 0.8	< 1	2 J	0.9 J	< 0.8	15	< 1	--
	11/08/11	MNA	1 J	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	13	< 1	--
	02/15/12	MNA	2 J	< 1	1 J	< 1	2 J	1 J	< 0.8	15	< 1	--
	05/02/12	MNA	2 J	< 1	< 0.8	< 1	2 J	1 J	< 0.8	16	< 1	--
	08/16/12	MNA	2 J	< 1	< 0.8	< 1	2 J	0.9 J	< 0.8	16	< 1	--
PW-14	08/25/09	GWM	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
(18-80')	08/13/10	MNA	< 0.8	< 1	< 0.8	< 1	0.9 J	2 J	< 0.8	13	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	1 J	2 J	< 0.8	18	< 1	--
	02/16/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	05/04/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/18/11	MNA	< 0.8	< 1	< 0.8	< 1	1 J	2 J	< 0.8	17	< 1	--
	11/09/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	02/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	05/03/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	1 J	2 J	< 0.8	17	< 1	--

Table 2
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MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
Recovery Well	06/17/83	CH2M-HILL	--	--	--	--	--	--	--	5000	--	--
(4-104')	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	948	--	--
00:00[2]	12/07/84	CH2M-HILL	--	--	--	--	--	2.2	--	730	--	--
1:00[2]	12/08/84	CH2M-HILL	--	--	--	--	--	2.5	--	513	--	--
2:00[2]	12/09/84	CH2M-HILL	--	--	--	--	--	3.9	--	360	--	--
3:00[2]	12/10/84	CH2M-HILL	--	--	--	--	--	2.1	--	250	--	--
	04/03/86**	CH2M-HILL	--	--	--	--	--	--	--	434	--	--
	04/04/86	CH2M-HILL	--	--	--	--	--	--	--	318	--	--
	04/07/86	CH2M-HILL	--	--	--	--	--	--	--	250	--	--
	04/08/86	CH2M-HILL	--	--	--	--	--	--	--	252	--	--
	04/09/86	CH2M-HILL	--	--	--	--	--	--	--	230	--	--
	04/16/86	CH2M-HILL	--	--	--	--	--	--	--	221	--	--
	04/23/86	CH2M-HILL	--	--	--	--	--	--	--	212	--	--
	04/25/86	CH2M-HILL	--	--	--	--	--	--	--	218	--	--
	04/30/86	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	05/07/86	CH2M-HILL	--	--	--	--	--	--	--	226	--	--
	05/14/86	CH2M-HILL	--	--	--	--	--	--	--	118	--	--
	05/21/86	CH2M-HILL	--	--	--	--	--	--	--	102	--	--
	05/28/86	CH2M-HILL	--	--	--	--	--	--	--	82.6	--	--
	06/04/86	CH2M-HILL	--	--	--	--	--	--	--	73.3	--	--
	06/11/86	CH2M-HILL	--	--	--	--	--	--	--	84.7	--	--
	06/18/86	CH2M-HILL	--	--	--	--	--	--	--	80.9	--	--
	06/25/86	CH2M-HILL	--	--	--	--	--	--	--	65.6	--	--
	07/02/86	CH2M-HILL	--	--	--	--	--	--	--	101	--	--
	07/10/86	CH2M-HILL	--	--	--	--	--	--	--	79.4	--	--
	07/16/86	CH2M-HILL	--	--	--	--	--	--	--	71.7	--	--
	07/23/86	CH2M-HILL	--	--	--	--	--	--	--	93.3	--	--
	07/30/86	CH2M-HILL	--	--	--	--	--	--	--	79.7	--	--
	08/06/86	CH2M-HILL	--	--	--	--	--	--	--	80.4	--	--
	08/13/86	CH2M-HILL	--	--	--	--	--	--	--	81.4	--	--
	08/20/86	CH2M-HILL	--	--	--	--	--	--	--	86	--	--
	08/27/86	CH2M-HILL	--	--	--	--	--	--	--	59.3	--	--
	09/03/86	CH2M-HILL	--	--	--	--	--	--	--	90.1	--	--
	09/10/86	CH2M-HILL	--	--	--	--	--	--	--	26.8	--	--
	09/17/86	CH2M-HILL	--	--	--	--	--	--	--	33.9	--	--
	09/24/86	CH2M-HILL	--	--	--	--	--	--	--	482	--	--
	01/12/87	CH2M-HILL	--	--	--	--	--	--	--	134	--	--
	01/30/87	CH2M-HILL	--	--	--	--	--	--	--	184	--	--
	02/04/87	CH2M-HILL	--	--	--	--	--	--	--	148	--	--
	02/18/87	CH2M-HILL	--	--	--	--	--	--	--	185	--	--
	03/04/87	CH2M-HILL	--	--	--	--	--	--	--	152	--	--
	03/18/87	CH2M-HILL	--	--	--	--	--	--	--	186	--	--
	04/01/87	CH2M-HILL	--	--	--	--	--	--	--	172	--	--
	04/15/87	CH2M-HILL	--	--	--	--	--	--	--	176	--	--
	05/06/87	CH2M-HILL	--	--	--	--	--	--	--	54.6	--	--

Table 2
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Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
Recovery Well (cont'd) (4-104')	05/20/87	CH2M-HILL	--	--	--	--	--	--	--	75.8	--	--
	06/03/87	CH2M-HILL	--	--	--	--	--	--	--	56	--	--
	06/17/87	CH2M-HILL	--	--	--	--	--	--	--	146	--	--
	07/01/87	CH2M-HILL	--	--	--	--	--	--	--	41	--	--
	07/15/87	CH2M-HILL	--	--	--	--	--	--	--	45.1	--	--
	08/05/87	CH2M-HILL	--	--	--	--	--	--	--	52.9	--	--
	08/19/87	CH2M-HILL	--	--	--	--	--	--	--	47.6	--	--
	09/02/87	CH2M-HILL	--	--	--	--	--	--	--	52	--	--
	09/16/87	CH2M-HILL	--	--	--	--	--	--	--	75	--	--
	10/07/87	CH2M-HILL	--	--	--	--	--	--	--	52.7	--	--
	10/22/87	CH2M-HILL	--	--	--	--	--	--	--	51.3	--	--
	11/04/87	CH2M-HILL	--	--	--	--	--	--	--	46.9	--	--
	11/18/87	CH2M-HILL	--	--	--	--	--	--	--	47.5	--	--
	12/02/87	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	12/16/87	CH2M-HILL	--	--	--	--	--	--	--	120	--	--
	01/06/88	CH2M-HILL	--	--	--	--	--	--	--	103	--	--
	01/20/88	CH2M-HILL	--	--	--	--	--	--	--	109	--	--
	02/03/88	CH2M-HILL	--	--	--	--	--	--	--	147	--	--
	02/17/88	CH2M-HILL	--	--	--	--	--	--	--	131	--	--
	03/02/88	CH2M-HILL	--	--	--	--	--	--	--	129	--	--
	03/16/88	CH2M-HILL	--	--	--	--	--	--	--	44	--	--
	01/18/89	GWM	--	--	--	--	--	> 1	--	126	--	--
	02/02/89	GWM	--	--	--	--	--	< 1	--	113	--	--
	02/17/89	GWM	--	--	--	--	--	< 1	--	126	--	--
	03/01/89	GWM	--	--	--	--	--	1.1	--	96.7	--	--
	03/20/89	GWM	--	--	--	--	--	< 1	--	97.8	--	--
	04/04/89	GWM	--	--	--	--	--	1.3	--	63.6	--	--
	04/18/89	GWM	--	--	--	--	--	1.6	--	81.4	--	--
	05/02/89	GWM	--	--	--	--	--	< 1	--	41.2	--	--
	05/16/89	GWM	--	--	--	--	--	< 1	--	79.8	--	--
	06/07/89	GWM	--	--	--	--	--	< 1	--	135	--	--
	06/20/89	GWM	--	--	--	--	--	< 1	--	< 1	--	--
	07/05/89	GWM	--	--	--	--	--	< 1	--	37.6	--	--
	07/18/89	GWM	--	--	--	--	--	< 1	--	12.6	--	--
	08/02/89	GWM	--	--	--	--	--	< 1	--	8.4	--	--
	08/16/89	GWM	--	--	--	--	--	< 1	--	6.4	--	--
	09/06/89	GWM	--	--	--	--	--	< 1	--	8.2	--	--
	09/20/89	GWM	--	--	--	--	--	< 1	--	16.4	--	--
	10/03/89	GWM	--	--	--	--	--	< 1	--	12.1	--	--
	10/18/89	GWM	--	--	--	--	--	< 1	--	1.1		--
	10/31/89	GWM	--	--	--	--	--	< 1	--	16.6	--	--
	11/15/89	GWM	--	--	--	--	--	< 1	--	3.3	--	--
	12/05/89	GWM	--	--	--	--	--	< 1	--	6.3	--	--
	12/20/89	GWM	--	--	--	--	--	< 1	--	12.9	--	--
	01/02/90	GWM	--	--	--	--	--	< 1	--	22.3	--	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
Recovery Well (cont'd) (4-104')	01/16/90	GWM	--	--	--	--	--	2.7	--	15.1	--	--
	02/06/90	GWM	--	--	--	--	--	< 1	--	22	--	--
	02/20/90	GWM	--	--	--	--	--	< 1	--	10.2	--	--
	03/06/90	GWM	--	--	--	--	--	< 1	--	8.5	--	--
	03/20/90	GWM	--	--	--	--	--	< 1	--	11.6	--	--
	04/03/90	GWM	--	--	--	--	--	< 1	--	12.6	--	--
	04/17/90	GWM	--	--	--	--	--	< 1	--	16.1	--	--
	04/30/90	GWM	--	--	--	--	--	< 1	--	12.6	--	--
	05/01/90	GWM	--	--	--	--	--	< 1	--	12.8	--	--
	05/15/90	GWM	--	--	--	--	--	< 1	--	13.8	--	--
	06/06/90	GWM	--	--	--	--	--	< 1	--	17.8	--	--
	06/19/90	GWM	--	--	--	--	--	< 1	--	21.7	--	--
	07/02/90	GWM	--	--	--	--	--	< 1	--	7.6	--	--
	07/17/90	GWM	--	--	--	--	--	< 1	--	6.6	--	--
	07/31/90	GWM	--	--	--	--	--	< 1	--	8	--	--
	08/15/90	GWM	--	--	--	--	--	< 1	--	8.6	--	--
	09/04/90	GWM	--	--	--	--	--	< 1	--	5.4	--	--
	09/18/90	GWM	--	--	--	--	--	< 1	--	14.7	--	--
	10/02/90	GWM	--	--	--	--	--	< 1	--	9.8	--	--
	10/16/90	GWM	--	--	--	--	--	< 1	--	12.6	--	--
	11/06/90	GWM	--	--	--	--	--	< 1	--	6.5	--	--
	11/21/90	GWM	--	--	--	--	--	< 1	--	7.2	--	--
	12/04/90	GWM	--	--	--	--	--	< 1	--	16.7	--	--
	12/18/90	GWM	--	--	--	--	--	< 1	--	15.5	--	--
	01/02/91	GWM	--	--	--	--	--	< 1	--	10.1	--	--
	01/15/91	GWM	--	--	--	--	--	< 1	--	10.3	--	--
	02/05/91	GWM	--	--	--	--	--	< 1	--	8.6	--	--
	02/20/91	GWM	--	--	--	--	--	< 1	--	9.5	--	--
	03/06/91	GWM	--	--	--	--	--	< 1	--	10.2	--	--
	03/19/91	GWM	--	--	--	--	--	< 1	--	10.4	--	--
	04/02/91	GWM	--	--	--	--	--	< 1	--	11.4	--	--
	04/16/91	GWM	--	--	--	--	--	< 1	--	9.1	--	--
	05/01/91	GWM	--	--	--	--	--	< 1	--	11	--	--
	05/14/91	GWM	--	--	--	--	--	< 1	--	12	--	--
	06/05/91	GWM	--	--	--	--	--	< 1	--	6.4	--	--
	06/18/91	GWM	--	--	--	--	--	< 1	--	10.4	--	--
	07/02/91	GWM	--	--	--	--	--	< 1	--	7.7	--	--
	07/16/91	GWM	--	--	--	--	--	< 1	--	14	--	--
	08/06/91	GWM	--	--	--	--	--	< 1	--	11	--	--
	08/20/91	GWM	--	--	--	--	--	< 1	--	12	--	--
	09/03/91	GWM	--	--	--	--	--	< 1	--	6.2	--	--
	09/17/91	GWM	--	--	--	--	--	< 1	--	11	--	--
	10/01/91	GWM	--	--	--	--	--	< 1	--	20	--	--
	10/15/91	GWM	--	--	--	--	--	< 1	--	38	--	--
	11/05/91	GWM	--	--	--	--	--	< 1	--	7.5	--	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
Recovery Well (cont'd) (4-104')	11/19/91	GWM	--	--	--	--	--	< 1	--	12	--	--
	12/03/91	GWM	--	--	--	--	--	< 1	--	12	--	--
	12/16/91	GWM	--	--	--	--	--	< 1	--	12	--	--
	12/17/91	GWM	--	--	--	--	--	< 1	--	9	--	--
	01/03/92	GWM	--	--	--	--	--	< 1	--	9.8	--	--
	01/14/92	GWM	--	--	--	--	--	< 1	--	20	--	--
	02/04/92	GWM	--	--	--	--	--	< 1	--	7.1	--	--
	02/18/92	GWM	--	--	--	--	--	< 1	--	7.7	--	--
	03/03/92	GWM	--	--	--	--	--	< 1	--	7	--	--
	03/17/92	GWM	--	--	--	--	--	< 1	--	10	--	--
	04/01/92	GWM	--	--	--	--	--	< 1	--	14	--	--
	04/14/92	GWM	--	--	--	--	--	< 1	--	8.1	--	--
	05/13/92	GWM	--	--	--	--	--	< 1	--	6	--	--
	06/09/92	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	6	< 1	--
	07/08/92	GWM	--	--	--	--	--	< 1	--	6.6	--	--
	08/11/92	GWM	--	--	--	--	--	< 1	--	13	--	--
	09/09/92	GWM	--	--	--	--	--	< 1	--	9.9	--	--
	10/13/92	GWM	--	--	--	--	--	< 1	--	8.7	--	--
	11/10/92	GWM	--	--	--	--	--	< 1	--	7	--	--
	12/08/92	GWM	--	--	--	--	--	< 1	--	8.8	--	--
	01/12/93	GWM	--	--	--	--	--	< 1	--	12	--	--
	02/10/93	GWM	--	--	--	--	--	< 1	--	7.7	--	--
	03/09/93	GWM	--	--	--	--	--	< 1	--	9	--	--
	04/14/93	GWM	--	--	--	--	--	< 1	--	8.9	--	--
	05/11/93	GWM	--	--	--	--	--	< 1	--	14	--	--
	06/08/93	GWM	--	--	--	--	--	< 1	--	10	--	--
	07/14/93	GWM	--	--	--	--	--	< 1	--	11	--	--
	08/10/93	GWM	--	--	--	--	--	< 1	--	12	--	--
	09/08/93	GWM	--	--	--	--	--	< 10	--	5.2	--	--
	10/20/93	GWM	--	--	--	--	--	< 1	--	9.6	--	--
	11/09/93	GWM	--	--	--	--	--	< 1	--	7.3	--	--
	12/07/93	GWM	--	--	--	--	--	< 1	--	12	--	--
	01/11/94	GWM	--	--	--	--	--	< 1	--	6	--	--
	02/08/94	GWM	--	--	--	--	--	< 1	--	11	--	--
	03/08/94	GWM	--	--	--	--	--	< 1	--	12	--	--
	04/12/94	GWM	--	--	--	--	--	< 1	--	8.5	--	--
	05/16/94	GWM	--	--	--	--	--	< 1	--	9.3	--	--
	06/07/94	GWM	< 0.28	< 0.05	< 0.12	< 0.09	--	< 0.11	< 0.07	5.6	< 0.09	--
	07/12/94	GWM	--	--	--	--	--	< 1	--	34	--	--
	08/09/94	GWM	2.5	0.06	1.1	< 0.09	--	0.81	--	44	< 0.09	--
	09/13/94	GWM	--	--	--	--	--	1.2	--	44	--	--
	10/11/94	GWM	--	--	--	--	--	1.1	--	50	--	--
	11/09/94	GWM	2.4	< 0.05	1.2	0.09	--	1.1	--	45	< 0.09	--
	12/13/94	GWM	--	--	--	--	--	1.3	--	52	--	--
	01/10/95	GWM	--	--	--	--	--	1.4	--	50	--	--

Table 2
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MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
Recovery Well (cont'd) (4-104')	02/07/95	GWM	--	--	--	--	--	1.7	--	52	--	--
	03/07/95	GWM	--	--	--	--	--	1.2	--	40	--	--
	04/11/95	GWM	--	--	--	--	--	1.5	--	45	--	--
	05/09/95	GWM	2.6	< 0.4	1.5	< 0.56	--	1.7	< 0.45	49	< 0.68	--
	06/13/95	GWM	--	--	--	--	--	1.5	--	46	--	--
	07/12/95	GWM	1.4	< 1	< 1	< 1	3.2	< 1	< 1	35	--	--
	08/08/95	GWM	1.4	< 0.4	< 0.69	< 0.56	--	0.93	< 0.45	32	< 0.68	--
	08/21/95	GWM	1.4	< 0.4	< 0.69	< 0.4	--	0.93	< 0.45	32	< 0.68	--
	09/13/95	GWM	< 0.52	< 0.4	0.71	< 0.56	--	0.92	< 0.45	34	< 0.68	--
	10/11/95	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	--
	11/07/95	GWM	2.7	3	0.84	< 0.56	--	1.2	< 0.45	47	< 0.68	--
	12/13/95	GWM	1.4	< 0.4	< 0.69	< 0.56	--	1	< 0.45	30	< 0.68	--
	01/10/96	GWM	2	ND	1	ND	--	ND	ND	44	ND	--
	02/13/96	GWM	< 2	< 2	< 2	< 2	--	ND	ND	ND	ND	--
	04/10/96	GWM	2	< 2	< 2	< 2	4	1	< 2	52	< 2	--
	05/09/96	GWM	3	< 2	< 2	< 2	5	2	< 2	56	< 2	--
	06/14/96	GWM	2	< 2	< 2	< 2	4	1	--	47	< 2	--
	08/07/96	GWM	2	< 2	< 2	< 2	--	1	< 2	37	< 2	--
	10/05/96	GWM	2	< 2	1	< 2	--	< 2	< 2	43	< 2	--
	11/15/96	GWM	< 2	< 2	< 2	< 2	--	< 2	< 2	39	< 2	--
	12/13/96	GWM	< 5	< 5	< 5	< 5	--	< 3.5	< 5	31	< 5	--
	01/09/97	GWM	< 2	< 2	< 2	< 2	--	1.4	< 2	46	< 2	--
	02/12/97	GWM	2	< 2	1	< 2	--	2	< 2	49	< 2	--
	03/13/97	GWM	< 2	< 2	< 2	< 2	--	4.4	< 2	50	< 2	--
	04/25/97	GWM	< 2	< 2	< 2	< 2	--	2	< 2	49	< 2	--
	05/27/97	GWM	2.1	1	1.7	1	--	1.9	1	56	1	--
	06/04/97	GWM	2	< 1	1.4	< 2	--	1.7	< 2	47	< 2	--
	07/10/97	GWM	< 2	< 2	< 2	< 2	--	< 2	< 2	55	< 2	--
	08/20/97	GWM	2	1	1	1	--	1	1	38	1	--
	09/17/97	GWM	1	1	1	1	--	2	1	40	1	--
	10/13/97	GWM	< 2	< 2	< 2	< 2	--	< 2	< 2	48	< 2	--
	11/20/97	GWM	1	1	1	1	--	1	1	22	1	--
	12/03/97	GWM	1	1	1	1	--	1	1	71	1	--
	01/16/98	GWM	< 2	< 2	< 2	< 2	--	< 2	< 2	49	< 2	--
	02/06/98	GWM	< 2	< 2	< 2	< 2	--	< 2	< 2	44	< 2	--
	03/06/98	GWM	2.57	< 1	1.49	< 2	4.35	1.4	< 2	49.2	< 2	--
	04/09/98	GWM	< 2	< 2	< 2	< 2	--	1.6	< 2	48	< 2	--
	05/12/98	GWM	< 2	< 2	< 2	< 2	--	< 1.4	< 2	36	< 2	--
	06/11/98	GWM	< 2	< 2	< 2	< 2	--	1.4	< 2	37	< 2	--
	07/10/98	GWM	< 2	< 2	< 2	< 2	--	< 1.4	< 2	37	< 2	--
	08/20/98	GWM	2.1	< 1	1.2	< 2	--	1.9	< 1	44	< 2	--
	09/17/98	GWM	< 2	< 2	< 2	< 2	--	< 1.4	< 2	40	< 2	--
	10/15/98	GWM	< 5	< 5	< 5	< 5	--	< 3.5	< 5	31	< 5	--
	11/05/98	GWM	1	< 1	< 1	< 1	--	1	< 1	36	< 1	--
	12/10/98	GWM	< 5	< 5	< 5	< 5	--	3.5	< 5	25.8	< 5	--

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Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
Recovery Well (cont'd) (4-104')	01/21/99	GWM	< 1	< 1	< 1	< 1	--	< 0.07	< 1	28	< 1	--
	02/11/99	GWM	< 1	< 1	1	< 1	--	2.6	< 1	28	< 1	--
	03/19/99	GWM	1.6	< 1	1.2	< 2	--	1.9	< 1	41	< 2	--
	04/15/99	GWM	< 1	< 1	1	< 1	--	2.6	< 1	28	< 1	--
	05/06/99	GWM	ND	ND	ND	ND	--	ND	ND	21	ND	--
	06/10/99	GWM	1.1	< 1	< 1	< 1	--	< 1	< 1	21	< 2	--
	07/07/99	GWM	1.1	< 1	< 1	< 1	--	< 1	< 1	23.3	< 2	--
	08/12/99	GWM	< 1	< 1	1	< 1	--	< 0.7	< 1	16.7	< 1	--
	09/02/99	GWM	< 1	< 1	1	< 1	--	< 0.7	< 1	20.6	< 1	--
	10/02/99	GWM	ND	ND	ND	ND	--	ND	ND	17.7	ND	--
	10/06/99	GWM	< 1	< 1	1	< 1	--	< 0.7	< 1	21	< 2	--
	10/07/99	GWM	ND	ND	ND	ND	--	ND	ND	21	ND	--
	11/11/99	GWM	< 1	< 1	1	< 1	--	< 0.7	< 1	19.1	< 2	--
	12/02/99	GWM	< 1	< 1	< 1	< 1	--	< 0.7	< 1	17.7	< 1	--
	05/15/00	GWM	1.3	< 1	1.3	< 1	--	1.6	< 1	42.2	< 2	--
	05/31/00	GWM	< 1	< 1	< 1	< 1	--	1.6	< 1	21.1	< 2	--
	10/31/00	GWM	1	< 1	< 1	< 1	--	< 0.7	< 1	20.6	< 2	--
	11/13/01	GWM	< 1	< 1	< 1	< 1	--	< 0.7	< 1	13.1	< 2	--
	04/11/02	GWM	< 1	< 1	< 1	< 1	--	< 10	< 1	14.4	< 2	--
	11/21/02	GWM	< 1	< 1	< 1	< 1	--	< 10	< 1	15.4	< 2	--
	06/04/03	GWM	< 1	< 1	< 1	< 1	--	< 10	< 1	14.6	< 2	--
	11/14/03	GWM	< 1	< 1	< 1	< 1	--	< 20	< 1	16.8	< 2	--
	04/13/04	GWM	< 1	< 1	< 1	< 1	--	< 20	< 1	13.6	< 2	--
	10/19/04	GWM	ND	ND	ND	ND	--	ND	ND	25.9	ND	--
	04/12/06	GWM	--	< 2	< 2	< 2	--	< 1	< 2	16	< 2	--
	08/04/09	GWM	--	--	--	--	--	--	--	13	--	--
	11/23/09	GWM	--	--	--	--	--	--	--	13	--	--
	12/01/09	GWM	--	--	--	--	--	--	--	12	--	--
	01/18/10	GWM	--	--	--	--	--	--	--	13	--	--
	02/20/10	GWM	--	--	--	--	--	--	--	13	--	--
	03/02/10	GWM	--	--	--	--	--	--	--	12	--	--
	04/05/10	GWM	--	--	--	--	--	--	--	13	--	--
	05/03/10	GWM	--	--	--	--	--	--	--	12	--	--
	06/17/10	GWM	--	--	--	--	--	--	--	50	--	--
	07/02/10	GWM	--	--	--	--	--	--	--	11	--	--
	08/05/10	GWM	--	--	--	--	--	--	--	10	--	--
	08/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	7	< 1	--
	11/16/10	MNA	1 J	< 1	< 0.8	< 1	4 J	< 0.8	< 0.8	95	< 1	--
	02/23/11	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	55	< 1	--
	05/04/11	MNA	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	30	< 1	--
	08/19/11	MNA	< 0.8	< 1	< 0.8	< 1	4 J	< 0.8	< 0.8	37	< 1	--
	11/09/11	MNA	< 0.8	< 1	< 0.8	< 1	7	< 0.8	< 0.8	61	< 1	--
	02/17/12	MNA	< 0.8	< 1	< 0.8	< 1	4 J	< 0.8	< 0.8	48	< 1	--
	05/03/12	MNA	< 0.8	< 1	< 0.8	< 1	5	< 0.8	< 0.8	48	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	32	< 1	--

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MNA Monitoring
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Location ID (screen/open interval, ft.)[o]	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RI-19D	07/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
(70-80')	09/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	11/13/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	04/15/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/19/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	05/05/03	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	08/13/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/19/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/16/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/05/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/10/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/04/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
RI-19S	07/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	1 B	< 10	--
(46-56')	09/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	11/19/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	04/15/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	05/05/03	GWM	< 1	< 1	< 1	< 1	--	< 1	--	1	< 2	--
	08/13/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
Duplicate	08/13/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/19/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/16/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/05/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/10/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
	02/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/04/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
Duplicate	05/04/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
RI-20D	09/01/98	EPA RI/FS	1 J	ND	2 J	ND	--	ND	--	6 J	ND	--
(100-110')	10/01/98	EPA RI/FS	< 10	ND	1 J	ND	--	ND	--	5 J	ND	--
	10/31/00	GWM	1	< 1	1.5	< 1	--	< 1	< 1	4	< 2	--
	06/06/01	GWM	1.1	< 1	8.8	< 1	--	< 1	< 1	19	< 2	--
	11/13/01	GWM	1.1	< 1	1.5	< 1	--	< 1	< 1	3.7	< 2	--
	04/17/02	GWM	< 1	< 1	1.1	< 1	--	< 1	< 1	3.9	< 2	--
	11/18/02	GWM	1	< 1	1.4	< 1	--	< 1	< 1	4	< 2	--
	09/29/04	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	01/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	4.8	< 2	--
	03/21/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/16/08	PDI	< 0.8	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/11/10	MNA	< 0.8	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	11/18/10	MNA	< 0.8	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
Duplicate	11/18/10	MNA	< 0.8	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/17/11	MNA	< 0.8	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/15/12	MNA	0.9 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RI-20S (70-80')	09/01/98	EPA RI/FS	150 L	< 50	370 L	< 50	--	< 50	--	320 L	< 50	--
Duplicate	09/01/98	EPA RI/FS	130 L	17 L	330 L	ND	--	4 J	--	290 L	ND	--
	10/01/98	EPA RI/FS	140	ND	210	ND	--	3 J	--	230	ND	--
	10/31/00	GWM	1.4	< 1	14	< 1	--	< 1	< 1	22	< 2	--
	06/06/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/20/01	GWM	96	8.6	162	< 1	--	1.6	< 1	181	< 2	--
	04/17/02	GWM	104	11	218	< 1	--	3.2	< 1	216	< 2	--
	11/18/02	GWM	112	1.2	211	< 1	--	3.2	< 1	154	< 2	--
	09/29/04	GWM	70	6.6	170	< 1	6	1.6	< 1	210	< 2	--
	12/10/04**	GWM	64	10	280	< 1	7.4	1.2	< 1	200	< 2	--
	12/28/04	GWM	38	4.2	170	< 1	5.1	1.7	< 1	150	< 2	--
	01/26/05	GWM	3.4	< 1	34	< 1	< 1	< 1	< 1	34	< 2	--
	04/25/05	GWM	39	4.2	160	< 1	5.3	1.6	< 1	150	< 2	--
	02/14/08	GWM	19	3 J	110	< 1	4 J	1 J	< 1	100	< 2	--
	03/21/08	PDI	30	4 J	160	< 1	4 J	2 J	< 0.8	150	< 1	--
	06/16/08	PDI	43	7	230	< 1	7	2 J	< 0.8	220	< 1	--
	08/04/09	GWM	--	--	--	--	--	--	--	39	--	--
	10/09/09	GWM	--	--	--	--	--	--	--	79	--	--
	11/23/09	GWM	--	--	--	--	--	--	--	140	--	--
	12/01/09	GWM	--	--	--	--	--	--	--	120	--	--
	01/18/10	GWM	--	--	--	--	--	--	--	140	--	--
	02/20/10	GWM	--	--	--	--	--	--	--	78	--	--
	03/02/10	GWM	--	--	--	--	--	--	--	16	--	--
	04/05/10	GWM	--	--	--	--	--	--	--	65	--	--
	05/03/10	GWM	--	--	--	--	--	--	--	91	--	--
	06/17/10	GWM	--	--	--	--	--	--	--	75	--	--
	07/02/10	GWM	--	--	--	--	--	--	--	65	--	--
	08/05/10	GWM	--	--	--	--	--	--	--	3 J	--	--
	08/11/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	11/18/10	MNA	15	3 J	59	< 1	4 J	3 J	< 0.8	150	< 1	0.051
	02/08/11	MNA	16	3 J	53	< 1	4 J	3 J	< 0.8	160	< 1	0.049 J
	05/04/11	MNA	15	3 J	48	< 1	4 J	4 J	< 0.8	160	< 1	0.020 J
	08/23/11	MNA	16	3 J	69	< 1	4 J	4 J	< 0.8	170	< 1	0.059
	11/08/11	MNA	11	3 J	51	< 1	4 J	3 J	< 0.8	150	< 1	0.061
	02/15/12	MNA	15	3 J	48	< 1	4 J	4 J	< 0.8	150	< 1	0.068
	05/03/12	MNA	11	2 J	40	< 1	4 J	4 J	< 0.8	130	< 1	0.049 J
	08/21/12	MNA	14	4 J	64	< 1	4 J	4 J	< 0.8	160	< 1	0.069
RI-31	05/08/12	MNA	< 0.8	< 1	< 0.8	< 1	93	< 0.8	< 0.8	460	< 1	--

Table 2
Summary of Groundwater Volatile Organic Compounds (VOC) Analyses
MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RW-1 (23-70') SS	06/01/80	CH2M-HILL	165	< 1	1.7	--	8.5	3	1.4	2000	--	--
	06/01/80	CH2M-HILL	--	--	--	--	--	--	--	292	--	--
	06/03/80	GWM	169	--	--	--	--	7.7	--	2,165	--	--
	09/04/80	GWM	--	--	--	--	--	8.9	--	4,060	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	913.9	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	830	--	--
	05/08/81	CH2M-HILL	--	--	--	--	--	--	--	997	--	--
	06/23/81	CH2M-HILL	--	--	--	--	--	--	--	--	--	--
	11/13/81	CH2M-HILL	--	--	--	--	--	--	--	1,500	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	1,300	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1,000	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	628	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	249	--	--
	05/02/86	CH2M-HILL	--	--	--	--	--	--	--	354	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	292	--	--
	07/29/86	CH2M-HILL	--	--	--	--	--	--	--	288	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	265	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	5.2	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	240	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	292	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	7.52	--	--	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	260	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	220	--	--
	10/16/89	GWM	--	--	--	--	--	3.5	--	170	--	--
	06/09/92	GWM	46	< 5	8	< 5	--	< 5	< 5	190	< 10	--
	09/17/92	GWM	44	< 5	21	< 5	--	< 5	< 5	190	< 10	--
	11/17/92	GWM	31	< 5	17	< 5	--	< 5	< 5	190	< 10	--
	03/11/93	GWM	52	< 5	15	< 5	--	6	< 5	300	< 10	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RW-1 (23-70') (cont'd)	06/11/93	GWM	20	< 5	< 5	< 5	--	< 5	< 5	120	< 10	--
	09/30/93	GWM	53	< 5	16	< 5	--	6	< 5	220	< 10	--
	11/22/93	GWM	58	< 5	10	< 5	--	< 5	< 5	200	< 10	--
	03/31/94	GWM	38	< 5	14	< 5	--	< 5	< 5	200	< 10	--
	06/07/94	GWM	54	< 5	12	< 5	--	5	< 5	290	< 10	--
	08/05/94	GWM	ND	ND	16	ND	--	4	ND	190	ND	--
	11/09/94	GWM	48	< 1.4	12	< 1.9	--	4.2	< 1.8	170	< 2.6	--
	03/16/95	GWM	57	ND	23.6	ND	7.5	5	--	239	ND	--
	05/16/95	GWM	< 1	< 1	14	< 1	7.8	5	< 1	242	< 1	--
	08/21/95	GWM	84	< 5	28	< 5	--	6	< 5	280	< 10	--
	11/08/95	GWM	63	1	15	1	9	5	1	250	1	--
	03/29/96	GWM	59	ND	18	ND	9	5	ND	240	ND	--
	06/14/96	GWM	30	ND	11	ND	6	3	ND	180	ND	--
	09/19/96	GWM	49	ND	9	ND	--	4	ND	210	ND	--
	12/13/96	GWM	63	< 1	15	< 2	--	8	< 1	210	< 2	--
	03/26/97	GWM	30	ND	8	ND	--	ND	ND	170	ND	--
	06/04/97	GWM	23	ND	6	ND	--	2	ND	160	ND	--
	04/01/98	EPA RI/FS	26	< 10	8 J	< 10	--	3 J	--	170	< 10	--
	04/29/98	GWM	56	1.1	17.3	< 20	--	6.4	< 20	210	< 20	--
	08/01/98	EPA RI/FS	53	< 10	10 J	< 10	--	5 J	--	270	< 10	--
	10/15/98	GWM	41	< 5	9.8	< 10	--	10	< 5	380	< 10	--
	10/30/98	GWM	56	--	--	--	--	6.4	--	210	--	--
	06/18/99	GWM	65	1.2	15	< 20	--	8.6	< 10	392	< 20	--
	10/06/99	GWM	36	< 50	13	< 10	--	< 50	< 50	196	< 10	--
	05/31/00	GWM	54	< 10	20	< 10	--	6.9	< 10	360	< 20	--
	10/31/00	GWM	24	< 10	9.5	< 10	--	2	< 10	117	< 20	--
	06/06/01	GWM	15	< 10	4.9	< 10	--	1.6	< 10	116	< 20	--
	11/13/01	GWM	26	< 10	17	< 1	--	1.9	< 1	126	< 2	--
	04/11/02	GWM	15	< 10	8.6	< 10	--	1.6	< 10	100	< 20	--
	11/19/02	GWM	27	1.6	29	< 1	--	2.1	< 1	200	< 2	--
	06/13/03	GWM	67	1.4	27.4	< 1	--	4.6	< 1	242	< 2	--
	11/06/03	GWM	77.2	1.7	32.5	< 10	--	3.6	< 10	232	< 20	--
	04/22/04	GWM	53.6	3.4	21.3	< 10	--	3.8	< 10	238	< 10	--
	09/27/04	GWM	38	< 2	12	< 2	8.7	3.6	< 2	200	< 2	--
	09/28/04	GWM	40	< 2	11	< 2	9.1	3.7	< 2	200	< 2	--
	12/10/04**	GWM	21	< 2	14	< 2	4.6	1.4	< 2	130	< 2	--
	12/28/04	GWM	15	< 2	8.8	< 2	3.1	1.1	< 2	100	< 2	--
	01/26/05	GWM	56	< 2	23	< 2	15	4.4	< 2	370	< 2	--
	04/25/05	GWM	10	< 2	8.5	< 2	2.6	< 1	< 2	64	< 2	--
	04/12/06	GWM	--	< 2	7.1	< 2	--	< 1	< 2	42	< 2	--
Duplicate	04/12/06	GWM	--	< 2	6.5	< 2	--	< 1	< 2	40	< 2	--
	10/11/06	GWM	--	--	--	--	--	0.49 J	--	33	--	--
	04/26/07	GWM	--	< 5	120	< 5	--	< 5	< 5	190	< 5	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RW-1 (cont'd.) (23-70')	03/20/08	PDI	11	< 1	22	< 1	3 J	1 J	< 0.8	57	< 1	--
	03/20/08*	GWM	10	< 1	19	< 1	3 J	1 J	< 1	59	< 2	--
	06/17/08	PDI	5 J	< 1	3 J	< 1	2 J	< 0.8	< 0.8	52	< 1	--
	08/04/09	GWM	--	< 1	31	< 1	--	< 1	< 1	46	< 2	--
	10/09/09	GWM	--	--	--	--	--	--	--	53	--	--
	11/23/09	GWM	--	--	--	--	--	--	--	49	--	--
	12/01/09	GWM	--	--	--	--	--	--	--	93	--	--
	01/18/10	GWM	--	--	--	--	--	--	--	45	--	--
	02/20/10	GWM	--	--	--	--	--	--	--	37	--	--
	03/02/10	GWM	--	< 1	44	< 1	--	1 J	< 1	48	< 2	--
	04/05/10	GWM	--	--	--	--	--	--	--	55	--	--
	05/03/10	GWM	--	--	--	--	--	--	--	53	--	--
	06/17/10	GWM	--	--	--	--	--	--	--	20	--	--
	07/02/10†	GWM	--	--	--	--	--	--	--	4 J	--	--
	08/05/10	GWM	--	2 J	170	< 1	--	2 J	< 1	120	< 2	--
	08/11/10	MNA	53	3 J	220	< 1	5	2 J	< 0.8	160	< 1	--
	11/18/10	MNA	3 J	< 1	5 J	< 1	3 J	1 J	< 0.8	55	< 1	0.080
	02/16/11	GWM	--	--	--	--	--	2 J	--	69	--	--
	02/16/11	MNA	4 J	< 1	5 J	< 1	5 J	2 J	< 0.8	76	< 1	0.054
	05/04/11	MNA	4 J	< 1	3 J	< 1	4 J	1 J	< 0.8	64	< 1	0.061
	08/23/11	MNA/GWM	4 J	< 1	3 J	< 1	4 J	1 J	< 0.8	68	< 1	0.04 J
	11/09/11	MNA	3 J	< 1	2 J	< 1	3 J	1 J	< 0.8	68	< 1	0.048 J
	02/15/12	MNA	4 J	< 1	2 J	< 1	3 J	1 J	< 0.8	71	< 1	0.069
	02/16/12	GWM	--	--	--	--	--	1 J	--	71	--	--
	05/03/12	MNA	3 J	< 1	2 J	< 1	3 J	1 J	< 0.8	74	< 1	0.053
	08/21/12	MNA	4 J	< 1	3 J	< 1	4 J	1 J	< 0.8	82	< 1	0.076
RW-2 (80-150')	06/01/80	CH2M-HILL	4	< 1	< 1	--	< 1	< 1	< 1	85	--	--
	06/03/80	GWM	11.6	--	--	--	--	7.3	--	92	--	--
	09/04/80	GWM	--	--	--	--	--	ND	--	9.6	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	149.1	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	225	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	52.8	--	--
	04/19/82	CH2M-HILL	1	--	< 0.5	< 0.5	< 0.5	< 0.5	--	9.4	--	--
SS	04/19/82	CH2M-HILL	0.8	--	< 0.5	< 0.5	< 0.5	< 0.5	--	5.8	--	--
TS	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	5.1	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	74.7	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	5.2	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	36.6	--	--
	05/02/86	CH2M-HILL	--	--	--	--	--	--	--	25.7	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	4.9	--	--
	07/29/86	CH2M-HILL	--	--	--	--	--	--	--	4.9	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	< 1	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	0.23	--	--
	03/01/88	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	0.89	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	--	--	112	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	2	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	ND	--	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RW-2 (cont'd.) (80-150')	10/16/89	GWM	--	--	--	--	--	ND	--	< 1	--	--
	04/03/95	GWM	ND	ND	ND	--	ND	ND	--	ND	ND	--
	01/16/96	GWM	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	09/19/96	GWM	ND	ND	ND	ND	--	ND	ND	ND	ND	--
	04/01/98	EPA RI/FS	ND	ND	ND	ND	--	ND	--	ND	ND	--
	08/01/98	EPA RI/FS	ND	ND	ND	ND	--	ND	--	ND	ND	--
	11/13/01	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 20	--
	01/26/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/28/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
Duplicate	04/28/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	03/24/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
Duplicate	03/24/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/19/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
RW-3 (150-210')	06/01/80	CH2M-HILL	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--
	06/03/80	GWM	0.5	--	--	--	--	0.5	--	0.5	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	1.3	--	--
	04/07/81	CH2M-HILL	--	--	--	--	--	--	--	0.7	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	0.3	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	> 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	2.5	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	2.1	--	--
	05/02/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	< 1	--	--
	07/29/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	< 1	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/01/88	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	ND	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/30/89	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	10/16/89	GWM	--	--	--	--	--	ND	--	ND	--	--
	04/03/95	GWM	ND	ND	ND	--	ND	ND	--	ND	ND	--
	01/16/96	GWM	ND	ND	ND	ND	ND	ND	ND	ND	ND	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RW-3 (cont'd.)	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
(150-210')	08/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	11/13/01	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 20	--
	01/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/28/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	03/24/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/17/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
Duplicate	08/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/19/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
Duplicate	08/16/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
RW-4	04/03/95	GWM	ND	ND	ND	--	ND	ND	--	ND	ND	--
(unknown)	01/16/96	GWM	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	09/30/97	GWM	ND	ND	ND	ND	ND	0.1 J	ND	0.03 J	ND	--
	08/18/98	GWM	0.05 J	ND	ND	ND	0.03 J	ND	ND	0.2 J	ND	--
RW-4D	04/14/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	4.3	< 2	--
(150-300')	06/18/02	GWM	0.1 J	--	--	--	7.4	0.06 J	--	70 J	--	--
	11/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	4.4	< 2	--
	05/06/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	1 J	< 0.5	< 0.5	4 B	< 0.5	--
	11/11/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
	08/17/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
RW-4I	04/15/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	4.3	< 2	--
(50-150')	06/18/02	GWM	--	--	--	--	--	--	--	1.7	--	--
	11/15/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	1.8	< 2	--
	05/06/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--
	01/06/05	GWM	< 2	< 2	< 2	< 2	< 2	< 5	< 2	1.7	< 2	--
	11/11/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/17/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
RW-4S	04/16/02	GWM	< 1	< 1	< 1	< 1	< 1	< 1	3.1	345	< 2	--
(20-50')	06/18/02	GWM	0.5 J	--	0.2 J	--	28	0.4 J	0.9 J	500 J	--	--
	11/15/02	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	492	< 20	--
	05/06/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	55	< 0.5	< 0.5	590	< 0.5	--
Duplicate	05/06/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	50	< 0.5	< 0.5	510	< 0.5	--
	01/06/05	GWM	< 2	< 2	< 2	< 2	15	< 5	< 2	140	< 2	--
	01/06/05	GWM	< 2	< 2	< 2	< 2	16	< 5	< 2	140	< 2	--
	11/10/11	MNA	< 0.8	< 1	< 0.8	< 1	15	< 0.8	< 0.8	130	1 J	--
	08/17/12	MNA	< 0.8	< 1	< 0.8	< 1	10	< 0.8	< 0.8	84	< 1	--
RW-5	04/03/95	GWM	ND	ND	ND	--	ND	ND	--	ND	ND	--
(unknown)	01/16/96	GWM	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	09/30/97	GWM	ND	ND	ND	ND	ND	ND	ND	0.02 J	ND	--
RW-5D	04/12/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	2.2	< 2	--
(150-300')	06/18/02	GWM	--	--	--	--	0.2 J	--	--	8.5	--	--
	11/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	05/06/03	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/11/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/17/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--

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MNA Monitoring
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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
RW-5I (50-150')	04/12/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	11	< 2	--
	06/18/02	GWM	0.3 J	--	--	--	0.7 J	--	--	36	--	--
	11/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	16	< 1	--
	05/06/03	GWM	< 10	< 10	< 10	< 10	--	< 10	2 J	16	< 10	--
	01/07/05	GWM	< 2	< 2	< 2	< 2	< 2	< 5	< 2	51	< 2	--
Duplicate	01/07/05	GWM	ND	ND	ND	ND	ND	ND	ND	55	ND	--
	11/11/11	MNA	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	45	< 1	--
	08/17/12	MNA	< 0.8	< 1	< 0.8	< 1	0.9 J	< 0.8	< 0.8	11	< 1	--
RW-5S (20-50')	04/12/02	GWM	5.3	< 1	< 1	< 1	--	< 1	< 1	2,800	< 2	--
	06/18/02	GWM	2.1	0.1 J	0.3 J	--	28 J	--	0.3 J	590	--	--
	11/18/02	GWM	3.2	< 10	< 10	< 10	--	< 10	7.1	2,620	< 20	--
	05/06/03	GWM	< 0.5	< 0.5	< 0.5	< 0.5	3	< 0.5	< 0.5	120	< 0.5	--
	01/07/05	GWM	< 2	< 2	< 2	< 2	31	< 5	< 2	790	< 2	--
	11/11/11	MNA	1 J	< 1	1 J	< 1	110	< 0.8	< 0.8	1,300	< 1	--
	08/17/12	MNA	< 2	< 2	< 2	< 2	98	< 2	2 J	1,400	< 2	--
W-1 (9-40')	01/24/80	GWM	--	--	--	--	--	--	--	18,837	--	--
	02/04/80	GWM	--	--	--	--	--	--	--	60,200	--	--
	11/13/80	CH2M-HILL	--	--	--	--	--	--	--	8,800	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	22,200	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	5,400	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	9,440	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	7,000	--	--
	04/21/82	CH2M-HILL	434.1	--	37.2	< 0.5	105.2	12.1	--	4,569	--	--
	04/21/82	CH2M-HILL	463.8	--	44.6	< 0.5	106	15.5	--	5,106	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	4,000	--	--
	07/19/84	CH2M-HILL	--	--	--	--	--	--	--	704	--	--
	03/18/86	CH2M-HILL	--	--	--	--	--	--	--	159.2	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	133	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	180	--	--
	07/29/86	CH2M-HILL	--	--	--	--	--	--	--	180	--	--
	01/09/87	CH2M-HILL	--	--	--	--	--	1	--	--	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	168	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	--	--	3	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	0.3	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	112	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	0.83	--	--	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	84	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	120	--	--
	10/16/89	GWM	--	--	--	--	--	1.7	--	99	--	--
	06/09/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	14	< 10	--
	09/17/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	44	< 10	--
	11/17/92	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	10	< 10	--
	03/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	9	< 10	--
	06/11/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	09/30/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	15	< 10	--
	11/22/93	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	35	< 10	--
	03/31/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	9	< 10	--
	06/07/94	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	08/05/94	GWM	1.1	ND	ND	ND	--	ND	ND	65	ND	--
	11/09/94	GWM	2.7	< 1.4	< 2.1	< 1.9	--	< 1.3	< 1.8	130	< 2.6	--
	03/16/95	GWM	< 1	< 1	< 1	< 1	4.3	< 1	< 1	57.1	< 1	--
	05/16/95	GWM	< 1	< 1	< 1	< 1	7	< 1	< 1	49	< 1	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-1 (cont'd) (9-40')	08/21/95	GWM	11	< 5	< 5	< 5	--	< 5	< 5	< 5	< 10	--
	11/08/95	GWM	1	1	1	1	1	0.7	1	3	1	--
	03/29/96	GWM	ND	ND	ND	ND	5	ND	ND	28	ND	--
	06/14/96	GWM	ND	ND	ND	ND	6	ND	ND	64	ND	--
	09/19/96	GWM	ND	ND	ND	ND	--	ND	ND	14	ND	--
	12/13/96	GWM	< 1	< 1	< 1	< 2	--	< 1	< 1	11	< 2	--
	03/26/97	GWM	ND	ND	ND	ND	--	ND	ND	100	ND	--
	06/04/97	GWM	ND	ND	ND	ND	--	ND	ND	22	ND	--
	04/01/98	EPA RI/FS	1 J	< 10	< 10	< 10	--	< 10	--	92	< 10	--
	04/29/98	GWM	ND	ND	ND	ND	--	ND	ND	110	ND	--
	08/01/98	GWM	2 J	ND	ND	ND	--	ND	--	150	ND	--
	10/15/98	GWM	< 2	< 2	< 2	< 4	--	< 2	< 2	8.3	< 4	--
	10/30/98	GWM	ND	--	--	--	--	ND	--	110	--	--
	06/18/99	GWM	< 10	< 10	< 10	< 20	--	< 10	< 10	1.6	< 20	--
	10/06/99	GWM	< 10	< 10	< 10	< 20	--	< 10	< 10	29	< 20	--
	05/31/00	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	13	< 20	--
	10/31/00	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	36	< 20	--
	05/10/01	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	29	< 20	--
	11/13/01	GWM	2.3	< 10	1.9	< 10	--	< 10	< 10	58	< 20	--
	04/19/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	41	< 2	--
	11/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	2.2	< 2	--
	06/13/03	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	23.2	< 20	--
	11/06/03	GWM	< 10	< 10	< 10	< 10	--	< 20	< 10	17.3	< 20	--
	04/22/04	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	37.2	< 10	--
Duplicate	09/28/04	GWM	< 2	< 2	< 2	< 2	6.8	< 1	< 2	73	< 2	--
	09/28/04	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	11	< 1	< 2	110	< 2	--
	04/26/05	GWM	< 2	< 2	< 2	< 2	15	< 1	< 2	98	< 2	--
Duplicate	04/26/05	GWM	< 2	< 2	< 2	< 2	15	< 1	< 2	96	< 2	--
	04/12/06	GWM	--	< 2	< 2	< 2	--	< 1	< 2	48	< 2	--
	10/11/06	GWM	--	--	--	--	--	< 1	--	62	--	--
	04/26/07	GWM	--	< 5	< 5	< 5	--	< 5	< 5	47	< 5	--
	03/20/08	PDI	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	21	< 1	--
	03/20/08*	GWM	< 1	< 1	< 0.9	< 1	2 J	< 1	< 1	17	< 2	--
	06/17/08	PDI	1 J	< 1	0.8 J	< 1	9	< 0.8	< 0.8	98	< 1	--
	08/04/09	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	19	< 2	--
	03/02/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	4 J	< 2	--
	08/05/10	GWM	--	< 1	< 0.9	< 1	--	< 1	< 1	34	< 2	--
	08/11/10	MNA	< 0.8	< 1	< 0.8	< 1	7	< 0.8	< 0.8	30	< 1	--
	11/18/10	MNA	< 0.8	< 1	< 0.8	< 1	9	< 0.8	< 0.8	38	< 1	<0.010
	02/16/11	GWM	--	--	--	--	--	< 1	--	14	--	--
	02/16/11	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	15	< 1	<0.010
	05/05/11	MNA	< 0.8	< 1	< 0.8	< 1	2 J	< 0.8	< 0.8	29	< 1	0.073
	08/23/11	MNA/GWM	< 0.8	< 1	< 0.8	< 1	7	< 0.8	< 0.8	28	< 1	0.073
	11/09/11	MNA	< 0.8	< 1	< 0.8	< 1	9	< 0.8	< 0.8	68	< 1	0.073
	02/15/12	MNA	< 0.8	< 1	< 0.8	< 1	12	< 0.8	< 0.8	68	< 1	0.090
	02/16/12	GWM	--	--	--	--	--	< 1	--	67	--	--
	05/03/12	MNA	< 0.8	< 1	< 0.8	< 1	5	< 0.8	< 0.8	26	< 1	< 0.01
	08/21/12	MNA	< 0.8	< 1	< 0.8	< 1	3 J	< 0.8	< 0.8	14	< 1	< 0.010

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-3	02/04/80	GWM	--	--	--	--	--	--	--	7.1	--	--
(12-23')	04/07/81	GWM	--	--	--	--	--	--	--	0.7	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	0.9	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	1.1	--	--
	05/02/86	CH2M-HILL	--	--	--	--	--	--	--	1	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	2.2	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	ND	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	9.6	--	--
	03/01/88	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	1.05	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	2	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	ND	--	--
	10/16/89	GWM	--	--	--	--	--	ND	--	ND	--	--
	04/01/98	GWM	ND	2 J	ND	ND	--	ND	--	4 B	ND	--
	08/01/98	GWM	ND	83 J	ND	ND	--	ND	--	120 J	ND	--
	11/13/01	GWM	< 10	2.4	< 10	< 10	--	< 10	< 10	5.3	< 20	--
	04/16/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	8.3	< 2	--
	04/19/02	GWM	--	--	--	--	--	--	--	0.9	--	--
	11/21/02	GWM	< 1	< 1	3.2	< 1	--	< 1	< 1	9.6	< 2	--
	01/07/05	GWM	< 2	< 2	< 2	< 2	2.8	< 5	< 2	< 1	< 2	--
Duplicate	01/25/05	GWM	< 2	3.2	< 2	< 2	31	< 1	< 2	6.5	< 2	--
	01/25/05	GWM	< 2	3	< 2	< 2	30	< 1	< 2	6.3	< 2	--
	04/25/05	GWM	< 2	4.2	< 2	< 2	40	< 1	2.2	8.5	< 2	--
Duplicate	04/25/05	GWM	< 2	4.3	< 2	< 2	39	< 1	< 2	8.2	< 2	--
	08/16/10	MNA	< 0.8	4 J	1 J	< 1	51	< 0.8	1 J	17	< 1	--
	11/19/10	MNA	< 0.8	< 1	< 0.8	< 1	4 J	< 0.8	< 0.8	1 J	< 1	--
	02/16/11	MNA	< 0.8	4 J	1 J	< 1	49	< 0.8	< 0.8	14	< 1	--
	05/05/11	MNA	< 0.8	3 J	1 J	< 1	42	< 0.8	< 0.8	13	1 J	--
	08/19/11	MNA	< 0.8	3 J	1 J	< 1	45	< 0.8	< 0.8	11	< 1	--
	11/10/11	MNA	< 0.8	3 J	1 J	< 1	44	< 0.8	< 0.8	11	< 1	--
	02/16/12	MNA	< 0.8	3 J	1 J	< 1	37	< 0.8	< 0.8	7	1 J	--
	05/04/12	MNA	< 0.8	3 J	< 0.8	< 1	34	< 0.8	< 0.8	7	< 1	--
	08/20/12	MNA	< 0.8	3 J	1 J	< 1	43	< 0.8	< 0.8	11	< 1	--

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			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-4	01/24/80	GWM	--	--	--	--	--	--	--	29.1	--	--
(16-30')	02/04/80	GWM	--	--	--	--	--	--	--	5.6	--	--
	11/13/80	CH2M-HILL	--	--	--	--	--	--	--	3.4	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	1	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	47.2	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	29.6	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	230	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	495	--	--
SS	05/02/86	CH2M-HILL	--	--	--	--	--	--	--	658	--	--
	05/02/86	CH2M-HILL	--	--	--	--	--	--	--	610	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	235	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	596	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	240	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	1,545	--	--
	03/21/88	CH2M-HILL	--	--	--	--	--	1.2	--	--	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	1,500	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	1,600	--	--
	10/16/89	GWM	--	--	--	--	--	0.5	--	1,430	--	--
	08/05/94	GWM	ND	ND	ND	ND	--	ND	ND	490	ND	--
	03/16/95	GWM	2	ND	ND	ND	31.7	ND	ND	1,340	ND	--
	05/16/95	GWM	1.7	< 1	< 1	< 1	36	< 1	< 1	1,520	< 1	--
	08/21/95	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	1,200	< 10	--
	04/01/98	GWM	ND	ND	ND	ND	--	ND	--	1,900	ND	--
Duplicate	04/01/98	GWM	ND	ND	ND	ND	--	ND	--	120	ND	--
	08/01/98	GWM	ND	ND	ND	ND	--	ND	--	1,200	ND	--
	10/06/99	GWM	1.4	< 10	< 10	ND	--	1.1	< 10	1,370	< 20	--
	11/13/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	640	< 20	--
	04/11/02	GWM	3.2	< 1	< 1	< 1	--	< 1	< 1	719	< 20	--
	11/26/02	GWM	< 1	< 1	1.7	< 1	--	< 1	< 1	1,600	< 2	--
	05/05/03	GWM	1.2	< 1	< 1	< 1	--	1.2	2.9	1,390	< 20	--
	01/07/05	GWM	< 2	< 2	< 2	< 2	61	< 5	< 2	950	< 2	--
	08/13/10	MNA	< 0.8	< 1	< 0.8	< 1	52	< 0.8	< 0.8	500	< 1	--
	11/17/10	MNA	< 0.8	< 1	< 0.8	< 1	10	< 0.8	< 0.8	140	< 1	--
	02/16/11	MNA	< 0.8	< 1	< 0.8	< 1	100	< 0.8	< 0.8	820	< 1	--
	05/05/11	MNA	< 0.8	< 1	< 0.8	< 1	87	< 0.8	0.8 J	700	< 1	--
	08/16/11	MNA	< 0.8	< 1	< 0.8	< 1	65	< 0.8	1 J	540	< 1	--
	11/10/11	MNA	< 0.8	< 1	< 0.8	< 1	80	< 0.8	< 0.8	560	< 1	--
	02/17/12	MNA	< 0.8	< 1	< 0.8	< 1	73	< 0.8	< 0.8	610	< 1	--
	05/04/12	MNA	< 0.8	< 1	< 0.8	< 1	56	< 0.8	< 0.8	510	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	47	< 0.8	< 0.8	410	< 1	--
W-8	01/24/80	GWM	--	--	--	--	--	--	--	31.9	--	--
(15-30')	02/04/80	GWM	--	--	--	--	--	--	--	5.2	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	< 10.1	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	< 10.1	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 10.1	--	--
	11/13/81	GWM	--	--	--	--	--	--	--	0.1	--	--
	04/19/82	GWM	--	--	--	--	--	--	--	1.7	--	--
	05/17/83	GWM	--	--	--	--	--	--	--	4.5	--	--
	08/21/95	GWM	< 5	< 5	< 5	< 5	--	< 5	< 5	14	< 10	--
	04/01/98	GWM	< 10	< 10	< 10	< 10	--	< 10	--	61	< 10	--
	08/01/98	GWM	< 10	< 10	< 10	< 10	--	< 10	--	87	< 10	--
	10/06/99	GWM	< 10	< 10	< 10	< 20	--	< 10	< 10	99	< 20	--

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MNA Monitoring
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Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-8 (cont'd) (15-30')	11/13/01	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	24	< 20	--
	04/18/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	42	< 2	--
	11/25/02	GWM	< 1	< 1	1.7	< 1	--	< 1	< 1	119	< 2	--
	05/05/03	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	133	< 20	--
	May 2003	GWM	--	--	--	--	7 J	--	--	130	--	--
	01/07/05	GWM	< 2	< 2	< 2	< 2	< 2	< 5	< 2	12	< 2	--
	11/17/10	MNA	< 10.8	< 1	< 10.8	< 1	< 10.8	< 10.8	< 10.8	8	< 1	--
	02/17/12	MNA	< 0.8	< 1	< 0.8	< 1	1 J	< 0.8	< 0.8	14	< 1	--
	08/20/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	11	< 1	--
W-9 (13-45')	01/24/80	GWM	--	--	--	--	--	--	--	384	--	--
	02/04/80	GWM	--	--	--	--	--	--	--	6.6	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	2.9	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	1.2	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	1.4	--	--
	11/13/81	GWM	--	--	--	--	--	--	--	1.5	--	--
	04/19/82	GWM	--	--	--	--	--	--	--	0.5	--	--
	05/17/83	GWM	--	--	--	--	--	--	--	1	--	--
	08/05/94	GWM	< 10	< 10	< 10	< 10	--	< 10	< 10	1.3	< 10	--
	04/01/98	GWM	2 J	< 10	2 J	< 10	--	< 10	--	2 B	< 10	--
	07/01/98	GWM	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	10/06/99	GWM	1.4	< 10	2	< 20	--	< 10	< 10	2.5	< 20	--
	11/13/01	GWM	1.2	< 10	2.1	< 10	--	< 10	< 10	2.1	< 20	--
	04/16/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/21/02	GWM	< 1	< 1	1.7	< 1	--	< 1	< 1	2.3	< 2	--
	01/07/05	GWM	< 2	< 2	< 2	< 2	< 2	< 5	< 2	< 1	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
W-10 (7-47')	02/04/80	GWM	--	--	--	--	--	--	--	23	--	--
	05/12/80	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	0.2	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	1.4	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	0.3	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	1	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	< 1	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	0.6	--	--
	03/01/88	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	< 1	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	< 1	--	--
	05/16/95	GWM	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
	04/01/98	EPA RI/FS	ND	ND	ND	ND	--	ND	--	ND	ND	--
	07/01/98	EPA RI/FS	ND	ND	ND	ND	--	ND	--	ND	ND	--
	11/19/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	09/30/04	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	04/27/05	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	03/18/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/16/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-10 cont.	08/10/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/08/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/03/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/17/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/08/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/14/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/02/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/15/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
W-12 (7-40')	02/04/80	GWM	--	--	--	--	--	--	--	437	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	2.3	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	0.3	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	0.7	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	06/10/86	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/15/87	GWM	--	--	--	--	--	--	--	< 1	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	0.6	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	< 1	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	< 1	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	< 1	--	--
	10/16/89	GWM	--	--	--	--	--	ND	--	ND	--	--
	11/08/95	GWM	1	1	1	1	1	< 0.7	1	< 1	1	--
	04/01/98	EPA RI/FS	1 J	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	07/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	--
	11/19/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	11/27/02	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	1.6	< 2	--
	09/30/04	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	04/27/05	GWM	< 2	< 2	< 2	< 2	--	< 1	< 2	< 1	< 2	--
	03/18/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/16/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/10/10	MNA	0.9 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/16/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/08/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/03/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/17/11	MNA	1 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/08/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/14/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/02/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/15/12	MNA	1 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-13	02/04/80	GWM	--	--	--	--	--	--	--	30.7	--	--
(10-44')	12/05/80	GWM	--	--	--	--	--	--	--	6.1	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	1.9	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	16	--	--
	04/20/82	CH2M-HILL	1.8	--	< 0.5	< 0.5	< 0.5	< 0.5	--	1.2	--	--
SS	04/20/82	CH2M-HILL	7.9	--	0.9	< 0.5	0.5	< 0.5	--	3.1	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	2.3	--	--
	03/19/86	CH2M-HILL	--	--	--	--	--	--	--	< 1	--	--
	05/01/86	CH2M-HILL	--	--	--	--	--	--	--	2.8	--	--
	07/28/86	CH2M-HILL	--	--	--	--	--	--	--	1	--	--
	09/01/87	CH2M-HILL	--	--	--	--	--	0.05	--	--	--	--
	09/15/87	GWM	--	--	--	--	--	--	--	1	--	--
	03/01/88	CH2M-HILL	--	--	--	--	--	< 1	--	--	--	--
	03/15/88	GWM	--	--	--	--	--	--	--	5.3	--	--
	09/15/88	GWM	--	--	--	--	--	--	--	5	--	--
	03/01/89	GWM	--	--	--	--	--	--	--	5.4	--	--
	10/16/89	GWM	--	--	--	--	--	ND	--	4.6	--	--
	04/01/98	EPA RI/FS	2 J	< 10	< 10	< 10	--	< 10	--	1 J	< 10	--
	07/01/98	EPA RI/FS	2 J	< 10	< 10	< 10	--	< 10	--	2 B	< 10	--
	11/17/01	GWM	2	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	04/17/02	GWM	1.9	< 1	< 1	< 1	--	< 1	< 1	1.2	< 2	--
	06/19/08	PDI	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	1 J	< 1	--
	08/10/10	MNA	1 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/16/10	MNA	1 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/16/11	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/15/12	MNA	2 J	< 1	1 J	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
W-14	02/04/80	GWM	--	--	--	--	--	--	--	325	--	--
(6-36')	04/07/81	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	< 0.1	--	--
	04/01/98	EPA RI/FS	15	< 10	4 J	< 10	--	< 10	--	6 B	< 10	--
	07/01/98	EPA RI/FS	27	< 10	8 J	< 10	--	< 10	--	9 B	< 10	--
	11/14/01	GWM	16	< 1	11	< 1	< 1	1	< 1	6.6	< 2	--
	11/21/02	GWM	36	< 1	6.8	< 1	< 1	< 1	< 1	17	< 2	--
	09/30/04	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
Duplicate	09/30/04	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/27/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	03/18/08	PDI	7	< 1	4 J	< 1	< 0.8	< 0.8	< 0.8	5	< 1	--
Duplicate	03/18/08	PDI	7	< 1	4 J	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
	06/16/08	PDI	7	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	5 J	< 1	--
	08/10/10	MNA	9	< 1	7	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
	11/17/10	MNA	0.8 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	02/08/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	05/03/11	MNA	2 J	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/17/11	MNA	11	< 1	10	< 1	< 0.8	< 0.8	< 0.8	7	< 1	--
	11/08/11	MNA	5 J	< 1	5	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
	02/14/12	MNA	5	< 1	4 J	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
	05/02/12	MNA	9	< 1	3 J	< 1	< 0.8	< 0.8	< 0.8	6	< 1	--
	08/15/12	MNA	15	< 1	13	< 1	< 0.8	< 0.8	< 0.8	9	< 1	--

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Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-16 (9-47')	02/04/80	GWM	--	--	--	--	--	--	--	9.6	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	04/19/82	CH2M-HILL	--	--	--	--	--	--	--	29	--	--
	05/17/83	CH2M-HILL	--	--	--	--	--	--	--	6.7	--	--
	11/09/94	GWM	--	--	--	--	--	--	--	1.2	--	--
	04/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	1 J	--	< 1	< 10	--
	07/01/98	EPA RI/FS	< 10	< 10	< 10	< 10	--	< 10	--	< 1	< 10	--
	11/09/01	GWM	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	04/25/05	GWM	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	--
	03/18/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	06/18/08	PDI	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	08/10/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	--
	11/18/10	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	<0.010
	02/15/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	<0.010
	05/04/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	<0.010
	08/23/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.010
	11/10/11	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.010
	02/15/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.010
	05/03/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.010
	08/21/12	MNA	< 0.8	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.010

Table 2
Summary of Groundwater Volatile Organic Compounds (VOC) Analyses
MNA Monitoring
Former BAE Facility
Lansdale, Pennsylvania

Location ID (screen/open interval, ft.)º	Sample Date	Sample Task	Analytes (µg/L)									
			1,1,1-TCA	1,1-DCA	1,1-DCE	1,2-DCA	CIS-1,2-DCE	PCE	TRANS-1,2-DCE	TCE	VINYL CHLORIDE [1]	
W-17 (6-44')	02/04/80	GWM	--	--	--	--	--	--	--	21.4	--	--
	12/05/80	GWM	--	--	--	--	--	--	--	4.9	--	--
	04/07/81	GWM	--	--	--	--	--	--	--	0.4	--	--
	05/08/81	GWM	--	--	--	--	--	--	--	< 0.1	--	--
	11/08/95	GWM	1	1	1	1	1	< 1	1	< 0.7	1	--
	04/01/98	EPA RI/FS	7 J	< 10	< 10	< 10	--	< 10	--	4 J	< 10	--
	07/01/98	EPA RI/FS	10 J	< 10	< 10	< 10	--	< 10	--	5 B	< 10	--
	11/17/01	GWM	8.3	< 1	2.3	< 1	--	< 1	< 1	4.5	< 2	--
	04/11/02	GWM	8	< 1	2.2	< 1	--	< 1	< 1	4.3	< 2	--
	01/25/05	GWM	< 2	< 2	< 2	< 2	< 2	1.5	< 2	1.6	< 2	--
	04/25/05	GWM	8.6	< 2	2.7	< 2	< 2	< 2	< 2	4.6	< 2	--
	06/19/08	PDI	6	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--
	08/10/10	MNA	4 J	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	11/16/10	MNA	3 J	< 1	< 0.8	< 1	< 0.8	< 0.8	< 0.8	2 J	< 1	--
	08/16/11	MNA	5 J	< 1	2 J	< 1	< 0.8	< 0.8	< 0.8	3 J	< 1	--
	08/15/12	MNA	6	< 1	3 J	< 1	< 0.8	< 0.8	< 0.8	4 J	< 1	--

1,1,1-TCA = 1,1,1-TRICHLOROETHANE
1,1-DCA = 1,1-DICHLOROETHANE
1,1-DCE = 1,1-DICHLOROETHENE
1,2-DCA = 1,2-DICHLOROETHANE
CIS-1,2-DCE = CIS-1,2-DICHLOROETHENE
PCE = TETRACHLOROETHENE
TRANS-1,2-DCE = TRANS-1,2-DICHLOROETHENE
TCE = TRICHLOROETHENE
SS = Second Sample
TS = Third Sample
CH2M-HILL = CH2M HILL, 1990 RI/FS Workplan. Note, data reported by CH2M Hill for wells A-6 and A-7 in 1979 is not included since these wells were not installed until 1980
EPA RI/FS = Tetra Tech/Black & Veatch, July 2002, Remedial Investigation and Feasibility Study
GWM = Groundwater Monitoring Sampling Event (Various sources including NPDES sampling)
PDI = Pre Design Investigation Sampling (Analytical Method SW8260B)
MNA = Monitored Natural Attenuation Pilot Test Sampling Event (Analytical Method SW8260B)
Note: Sample dates with multiple results and different sources are labeled SS for second source and TS for third source
* = Analytical Method E624
** = Recovery well converted to pumping well in April 1986; RI-20S and RW-1 converted to pumping wells in December 2004
‡ = "Retesting indicates that this result is inaccurate and is attributed to analytical error." (Table 5, Progress Report Investigation of Trichloroethylene In Groundwater For American Electronics Laboratories, July 29, 1980, BCM)
† = RW-1 was not operational during site visit, the sample was collected using a bailer in the well
[1] = Data in second column was determined by Analytical Method SW8260B SIM.
[2] = Reported by CH2M Hill as an Anomoly ID, each with undefined qualifer/flag "D"
[4] = These measurements are considered to be anomalies.
º = Screen/open well intervals were generated from the following sources: Synergy Environmental Inc. Feb 4, 2005 letter, which references EarthTech, 1993 and 2003 RIR Suppleme
L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

< = indicates analyte not detected at or above specified laboratory detection limit
ND = Non-detect
J = estimated value
-- = not analyzed
B = detected analyte in blank sample
Duplicate = Field duplicate

INF* = Influent to the air stripper that includes Recovery Well, RI-20S and RW-1
† = Indicates the potential for matric effect. Qualifier added during data validation review. Refer to report for details.
α Due to sample labeling discrepancy, PW-02 33'-60', taken after purge, and PW-02α 33'-60', taken as an early grab, are identified based on available field information; however, identities cannot be verified
P&T shut down August 16, 2010
Pre- shut down samples 8/9 & 8/13, 2010
All samples after should be MNA except for semi-annual NPDES Samples from A-3, A-12, A-13, A-14, W-1 and RW-1

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
A-3	08/09/10	0:00	--	--	--	--	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-11')	11/16/10	13:50	6.56	15.80	0.072	--	4.70	--	691.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	6.60	--	--	10.31 [2]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.10	--	--	1.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	15:40	7.01	18.78	0.142	7.4	0.47	0.0	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	15.19	--	--	6.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	11:40	4.24	8.75	70	10.0	8.55	0.0	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.59	--	--	1.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	10:42	7.42	16.80	0.110	3.4	0.24	2.12	52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-4	11/16/10	15:00	7.13	15.10	0.272	--	10.84 [2]	0.0	381.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-10')	05/02/11	0:00	--	12.20	--	--	2.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	11:35	6.94	17.49	0.343	5.3	1.76	0.0	60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	16.02	--	--	4.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/12	12:00	--	10.19	--	--	7.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.86	--	--	4.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	11:04	7.17	17.40	0.400	0.0	0.26	0.40	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-5	11/16/10	15:30	6.24	17.40	0.408	--	2.06	0.0	67.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-12')	05/02/11	0:00	--	12.50	--	--	0.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	12:00	6.12	16.15	1.43	6.8	1.30	4.0	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	17.11	--	--	3.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	12.84	--	--	2.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.83	--	--	2.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	11:38	6.44	16.80	0.211	8.8	0.84	0.76	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-6	11/16/10	15:55	6.54	17.30	0.644	--	4.25	0.0	101.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-12')	05/02/11	0:00	--	11.50	--	--	1.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	12:20	6.64	15.64	1.37	13.3	5.57	1.0	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	17.14	--	--	3.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.69	--	--	4.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.69	--	--	6.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	11:59	6.66	16.60	1.20	0.0	3.51	0.50	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-7	11/16/10	16:15	6.78	15.40	0.678	--	0.63	0.0	133.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-21')	05/02/11	0:00	--	11.40	--	--	0.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	12:40	6.80	18.97	0.682	64.3	2.41	9.0	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	16.65	--	--	1.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	10.89	--	--	2.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.35	--	--	5.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	12:25	6.87	18.50	1.58	111	0.49	1.86	111	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-8	05/02/11	0:00	--	13.70	--	--	3.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-12')	08/22/11	13:00	7.88	20.81	1.04	22.6	6.91	3.0	161	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	18.67	--	--	7.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	13.30	--	--	7.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	13.88	--	--	8.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	15:09	7.92	21.50	1.32	5.1	5.00	0.74	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-9	05/02/11	0:00	--	12.90	--	--	2.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-13')	08/22/11	13:15	7.09	19.64	1.92	6.9	5.20	3.0	206	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	19.01	--	--	5.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	13.40	--	--	8.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	13.50	--	--	7.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	15:34	7.21	20.20	1.73	0.0	2.45	0.80	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
A-11	08/12/10	10:38	5.99	13.96	1.356	118.3	1.30	0.4	181.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-22')	11/17/10	7:50	5.28	14.00	2.019	98.71	0.11	0.0	1301.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	11.10	--	--	8.35[2]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	11.80	--	--	1.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	10:15	6.45	11.65	2.58	58.9	1.01	5.0	156	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	13.32	--	--	2.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/12	12:00	--	12.70	--	--	1.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.65	--	--	3.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	14:41	6.60	12.60	2.48	24.6	0.30	1.32	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-12	08/12/10	9:30	5.72	13.59	1.517	101.5	0.41	0.8	92.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-24')	11/17/10	8:15	5.43	14.80	1.488	135.7	0.65	0.0	1351.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	11.80	--	--	9.35 [2]	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	12.20	--	--	4.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	9:55	6.25	11.83	2.33	190	2.33	5.0	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	13.09	--	--	5.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	12:55	9.61	13.22	405	47.1	8.39	--	-81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.11	--	--	6.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	14:18	6.53	12.44	2.18	0.0	1.37	0.58	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-13	08/12/10	10:00	5.97	15.08	1.842	58.7	0.09	0.0	158.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-19')	11/17/10	9:00	5.04	14.70	2.292	75.6	0.21	0.6	1390.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	13.70	--	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	12.60	--	--	1.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	10:40	6.34	12.05	2.76	2	1.31	1.5	351	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	13.92	--	--	1.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	13:25	9.67	13.72	26.03	6.06	0.63	--	-70.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.30	--	--	2.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	13:48	6.63	13.00	3.14	0.0	0.19	0.55	52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-14	08/09/10	0:00	--	--	--	--	0.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-19')	11/17/10	9:30	4.56	15.00	1.346	35.6	2.19	0.6	1429.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	11.60	--	--	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	12.30	--	--	0.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	11:05	6.18	12.23	1.81	7.4	0.21	9.0	-56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	14.11	--	--	2.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.86	--	--	0.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	12:20	8.63	12.89	14.01	9.71	2.23	--	-113.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	12:58	6.46	13.50	1.19	0.0	1.02	2.29	-82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A-18	05/02/11	0:00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(0-13')	11/07/11	0:00		16.62			7.77																		

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
FOX MW-1	08/09/10	0:00	--	--	--	--	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(unknown)	11/19/10	9:45	7.22	12.40	0.599	23.3	0.11	0.0	99.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.40	--	--	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/11	9:50	7.19	11.78	0.679	6.5	0.20	0.0	65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.47	--	--	0.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.86	--	--	0.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.07	--	--	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	12:58	7.58	12.80	0.670	6.3	0.16	0.00	-24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FOX MW-2	08/09/10	0:00	--	--	--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(unknown)	11/16/10	11:25	7.39	12.70	0.434	52.13	0.09	0.5	-78.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	12.90	--	--	0.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	12:30	7.08	11.50	0.486	633	0.63	5.0	-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.16	--	--	0.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.46	--	--	0.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.58	--	--	0.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	12:00	7.65	11.70	0.536	101.3	0.28	0.00	-84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FOX MW-5	08/09/10	0:00	--	--	--	--	2.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(unknown)	09/15/10	0:00	--	11.60	--	--	2.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.66	--	--	3.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	12:15	7.61	12.50	0.576	7.41	2.03	0.0	51.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	11:48	7.82	11.97	0.580	38.8	0.62	0.0	27.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	11:15	7.20	13.30	0.555	33.4	1.60	0.0	-68.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	13:40	7.75	11.55	0.610	94	2.70	4.0	112	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	9:55	7.46	11.23	0.396	67.1	5.08	0.0	108.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/14/12	11:15	7.61	11.59	0.486	47.8	2.36	0.0	57.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	10:08	7.81	11.73	0.662	0.0	2.41	3.30	203	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	12:04	7.92	11.90	0.662	2.4	1.72	0.00	66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-1	08/12/10	13:32	5.11	16.61	2.728	--	3.39	0.0	200.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(11-60')	09/15/10	0:00	--	16.60	--	--	2.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	17.86	--	--	5.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	13:10	5.19	17.60	2.627	18.68	1.71	0.0	222.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	14:55	5.47	16.81	3.422	20.5	5.50	0.0	215.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	12:19	6.07	16.60	2.891	22.1	0.24	0.0	41.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/11	12:10	5.41	15.46	3.51	13.7	3.01	10.0	255	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	12:00	5.43	14.89	2.072	146.1	1.62	0.0	105.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/12	11:00	5.97	15.17	2.100	71.4	0.93	10.0	201.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	15:11	5.52	15.88	3.07	5.1	4.55	2.50	303	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	16:41	5.62	16.27	3.00	0.0	1.69	0.49	246	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-2	08/13/10	11:55	5.77	13.97	1.589	26.27	1.78	0.0	138.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(12-61')	09/15/10	0:00	--	13.00	--	--	3.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	12.76	--	--	1.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	10:30	5.79	13.70	1.691	13.1	2.93	0.0	199.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	13:44	5.76	13.79	1.361	46.1	4.02	0.0	193.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	11:29	6.16	14.40	1.591	41.1	4.31	0.0	76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	16:25	6.08	12.78	2.17	17	0.25	0.0	232	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	9:50	5.53	12.57	1.226	14.3	1.33	0.0	204.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	13:50	5.85	12.86	1.731	14.3	1.35	0.8	199.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	13:41	6.06	13.37	1.23	0.0	3.61	0.73	305	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	13:48	6.21	13.20	2.23	0.0	0.53	0.28	185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
PW-3	08/13/10	10:25	5.48	11.99	1.087	8.48	3.57	0.0	158.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(12-60')	11/17/10	9:50	5.48	12.70	1.068	23.41	0.33	0.0	237.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.30	--	--	1.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	15:50	6.19	12.01	1.47	117	2.85	0.0	179	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.57	--	--	3.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.88	--	--	1.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.13	--	--	2.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	14:43	6.90	12.20	1.49	94.6	0.43	1.09	139	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-4	08/12/10	11:43	4.90	16.77	2.99	--	1.35	0.0	204.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(12-61')	11/16/10	13:15	5.27	15.00	2.941	32.1	1.83	0.0	154.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	17.10	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	17:30	5.68	15.68	3.98	108	2.81	3.0	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	15.31	--	--	1.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	15.02	--	--	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	15.88	--	--	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	15:56	5.79	15.91	3.56	86.8	0.09	1.34	165	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-5	08/12/10	12:23	5.72	16.95	3.79	--	4.36	0.0	203.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(11-70')	11/16/10	15:35	5.60	16.50	3.513	7.10	3.65	1.0	184.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	16.70	--	--	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	17:15	6.52	15.19	4.88	51.8	0.35	2.0	127	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	14.87	--	--	1.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	15.01	--	--	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	15.15	--	--	4.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	15:35	6.45	15.23	3.73	56.6	2.64	1.71	91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-6A	08/12/10	12:10	7.44	16.49	0.539	89.5	2.98	--	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(18-52')	11/17/10	13:50	7.20	16.20	0.602	127.9	0.08	0.0	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	17.10	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	12:40	7.78	15.60	0.782	607	0.17	0.0	-17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	15.25	--	--	0.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	15.68	--	--	0.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	15.75	--	--	0.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	14:04	7.72	15.90	0.853	73.1	0.09	0.72	-93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-6B	08/12/10	10:54	7.50	16.27	0.649	--	0.19	0.0	-1.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(66-86')	11/17/10	13:55	7.61	15.20	0.600	12.19	0.09	0.0	16.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	16.20	--	--	0.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	13:05	8.02	14.45	0.831	371	0.21	0.0	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	14.19	--	--	0.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	14.46	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	14.73	--	--	0.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	14:33	7.94	14.72	0.721	0.0	0.15	0.48	-31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-7A	08/12/10	9:24	7.32	12.23	0.530	--	0.89	0.0	59.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(90-110')	11/19/10	10:55	7.40	12.80	0.568	23.9	0.17	0.0	99.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.60	--	--	0.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	11:05	7.24	11.95	0.761	0.3	1.09	0.0	156	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.63	--	--	0.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.92	--	--	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	12.11	--	--	0.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	10:58	7.80	12.02	0.686	0.0	0.19	0.26	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
PW-7B	08/12/10	9:57	7.44	12.33	0.622	--	0.13	0.0	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(124-144')	11/19/10	11:35	7.56	12.70	0.569	18.18	0.08	0.0	-9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.50	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	11:25	7.36	11.74	0.727	5.2	0.11	0.0	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.51	--	--	0.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.86	--	--	0.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.90	--	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	9:51	7.89	11.96	0.693	0.0	0.05	0.57	-27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-8A	08/11/10	10:23	6.90	12.24	0.493	101.3	0.22	0.0	151.9	< 0.50	0.50	< 0.015	29.8	0.52 J	0.749	0.75	--	--	--	--	--	--	--	--	--
(18-46')	09/15/10	0:00	--	11.50	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.81	--	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	9:25	7.30	12.70	0.471	--	0.08	--	1179.4	0.66 J	0.49 [1]	< 0.015 [1]	31.9	1.1	1.72	1.7	--	--	--	--	--	--	--	--	--
	02/15/11	10:58	7.74	11.23	0.633	40.1	0.07	0.0	124.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	14:32	9.59	13.50	0.463	16.9	0.28	0.4	-7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	15:40	7.51	11.90	0.624	0.0	0.14	0.0	211	0.62 J	0.92	< 0.015	30.1	0.65 J	0.0528 J	--	< 0.39	4.9	< 0.31	1.1	< 0.41	< 0.69	< 0.2	< 0.01	0.01
	11/08/11	12:55	7.20	11.58	0.398	7.5	0.72	0.0	131.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	8:15	7.37	11.92	0.445	8.5	0.21	0.0	65.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	9:25	7.65	12.18	0.649	17.2	0.30	2.12	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	10:55	7.75	12.70	0.673	0.0	0.10	0.65	54	0.55 J	0.69	< 0.015	25.4	< 0.5	1.02	--	< 0.39	< 0.54	< 0.31	< 0.22	< 0.41	< 0.69	< 0.2	< 0.01	0.02
PW-8B	08/09/10	0:00	--	--	--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(60-100')	09/15/10	0:00	--	12.40	--	--	0.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.88	--	--	0.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	10:25	7.33	12.60	0.565	12.46	0.07	0.0	-24.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/11	11:35	7.52	10.88	0.676	17.3	0.07	0.0	-66.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	15:29	7.41	13.40	0.540	20.1	0.22	1.2	-26.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	16:40	7.41	11.86	0.732	1.5	0.23	0.0	-39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	14:55	7.13	11.56	0.458	0.7	0.71	0.0	-28.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/14/12	13:20	7.29	11.89	0.568	0.7	0.30	0.0	-25.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	11:29	7.54	11.92	0.791	0.0	0.23	1.60	-18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	15:46	7.57	11.98	0.860	--	0.07	0.13	-74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-9A	08/12/10	13:45	7.30	16.97	0.608	--	0.54	0.0	149.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(10-48')	11/19/10	11:05	5.66	15.10	0.744	33.8	0.07	0.0	1141.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	14:25	7.35	--	1.08	4.0	--	0.0	151	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	9:38	7.40	--	1.35	0.0	--	0.45	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-9B	08/12/10	14:51	7.64	16.34	0.448	12.55	0.18	--	133.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(62-85')	11/19/10	12:00	4.51	14.90	0.463	81.3	0.08	0.0	1237.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	15:05	7.87	--	0.562	15.1	--	0.0	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/12	10:13	8.03	--	0.615	0.0	--	0.38	-59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
PW-10A	08/11/10	11:35	6.55	12.74	0.700	--	0.19	0.0	257.2	0.51 J	0.21	< 0.015	35.6	0.52 J	< 0.0522	< 0.052	--	--	--	--	--	--	--	--	--
(19-50')	09/15/10	0:00	--	12.80	--	--	0.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	12.60	--	--	2.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	12:15	7.56	13.10	0.566	11.91	0.10	0.0	94.9	0.53 J	0.48	< 0.015	30.1	< 0.50	0.0645 J	0.064 J	--	--	--	--	--	--	--	--	--
	02/15/11	15:55	7.35	11.51	0.842	25	0.08	0.0	37.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	16:35	7.22	13.90	0.777	23.1	0.30	0.2	-24.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/11	11:35	7.31	12.30	1.02	0.0	0.24	0.0	111	0.64 J	2	< 0.015	30.2	0.54 J	0.245	--	< 0.39	5.1	< 0.31	1.3	< 0.41	< 0.69	0.3	< 0.01	0.02
	11/09/11	8:40	6.91	12.02	0.665	7.6	0.79	0.0	111.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	9:40	7.04	12.35	0.789	0.7	0.35	3.2	57.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	10:40	7.36	12.46	1.05	0.0	0.41	3.30	178	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	11:22	7.39	12.80	1.13	0.0	0.28	1.41	59	0.55 J	0.68	< 0.015	25.7	0.53 J	0.0805 J	--	< 0.39	< 0.54	< 0.31	< 0.22	< 0.41	< 0.69	0.3	< 0.01	0.02
PW-10B	08/11/10	15:54	6.90	12.70	0.551	--	0.11	0.0	175.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(64-84')	09/15/10	0:00	--	12.40	--	--	0.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	12.58	--	--	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	16:00	7.43	12.90	0.552	10.63	0.07	0.0	68.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/11	16:24	7.91	10.75	0.591	21.9	0.08	0.0	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	16:29	7.70	13.70	0.551	39.9	0.18	0.0	-161.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	12:00	7.74	12.16	0.637	5.7	0.23	0.0	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	8:30	7.43	11.91	0.368	8.6	0.67	0.0	119.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/14/12	13:45	7.57	12.27	0.482	4.7	0.27	0.0	-44.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	14:48	7.89	12.32	0.647	0.0	0.22	0.49	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	12:22	7.90	12.30	0.675	0.0	0.50	0.36	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-11	08/11/10	14:30	7.58	12.26	0.479	--	0.98	0.0	89.7	< 0.50	0.57	< 0.015	34.5	0.51 J	1.68	1.6	--	--	--	--	--	--	--	--	--
(13-80')	09/15/10	0:00	--	11.70	--	--	0.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.58	--	--	0.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	9:20	7.65	12.30	0.517	7.10	0.07	0.0	92.9	< 0.50	0.64 [1]	< 0.015 [1]	29.9	< 0.50	0.151 J	0.13 J	--	--	--	--	--	--	--	--	--
	02/08/11	14:35	7.24	8.86	0.521	20.9	0.06	0.0	132	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	12:21	7.67	12.50	0.509	11	0.80	0.0	-101.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/22/11	14:25	7.39	11.43	0.623	0.0	0.65	0.0	178	1.2	0.56	< 0.015	32.5	0.66 J	0.185 J	--	0.52	4.8	< 0.31	1.5	< 0.41	< 0.69	< 0.2	< 0.01	0.01
	11/08/11	12:20	7.46	11.21	0.417	4.2	0.79	0.0	70.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	8:10	7.66	11.50	0.530	4.9	0.67	0.2	33.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	9:40	7.82	11.53	0.722	0.0	0.67	0.63	153	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	9:58	7.92	11.54	0.760	0.0	0.21	0.29	45	0.66 J	0.53	< 0.015	29.8	0.51 J	0.331	--	< 0.39	< 0.54	< 0.31	0.62	< 0.41	< 0.69	< 0.2	< 0.01	< 0.01
PW-12	08/09/10	0:00	--	--	--	--	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(unknown)	09/15/10	0:00	--	11.70	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.66	--	--	1.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	16:00	7.46	12.80	0.564	12.96	0.11	0.0	88.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/11	13:48	7.63	10.93	0.612	17.6	0.08	0.0	12.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	13:29	7.54	13.30	0.621	9.9	0.24	0.0	-162.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	10:55	7.59	11.66	0.824	12.1	0.29	0.0	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	15:50	7.27	11.35	0.536	3.9	0.94	0.8	26.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	13:00	7.43	11.67	0.672	0.7	0.24	2.0	21.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	12:32	7.71	11.72	0.927	0.0	0.21	0.25	1.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	9:30	7.61	11.72	1.01	0.0	0.17	0.00	67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
PW-13	08/13/10	11:25	7.04	12.05	0.392	--	1.29	--	120.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(19-80')	09/15/10	0:00	--	12.00	--	--	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.27	--	--	4.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	14:55	7.68	12.50	0.562	11.41	0.08	0.0	36.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/11	14:58	7.82	11.08	0.692	87.4	0.73	0.0	9.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	15:27	7.49	13.70	0.716	12.2	0.22	0.0	-60.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	12:00	7.81	11.96	0.911	82.4	0.25	0.0	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	16:40	7.46	11.63	0.571	18.3	0.77	0.0	18.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	14:15	7.61	11.93	0.664	28.6	0.27	4.2	19.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	14:01	7.93	11.96	0.835	16.1	0.72	1.31	-53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	10:22	7.94	11.93	0.825	9.9	0.26	0.32	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PW-14	08/13/10	9:42	6.37	12.40	0.577	25.11	5.71	0.0	108.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(18-80')	09/15/10	0:00	--	12.00	--	--	2.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	12.46	--	--	1.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	8:45	6.06	13.00	0.598	10.15	1.78	0.0	218.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	12:55	6.51	11.59	0.205	63.1	5.44	0.0	138.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	10:38	5.83	14.10	0.131	42.3	4.00	0.0	65.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/18/11	15:00	6.37	12.13	0.713	181	1.51	0.0	206	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	9:40	6.01	11.81	0.121	21.9	5.72	0.0	138.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	12:50	5.99	12.06	0.156	17.4	3.54	9.6	191.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	14:10	6.43	12.12	0.148	0.0	4.07	2.39	271	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	14:00	6.52	12.80	0.792	0.0	0.85	0.54	157	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/15/10	0:00	--	15.70	--	--	3.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Recovery Well	10/12/10	0:00	--	14.97	--	--	3.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(4-104')	11/16/10	14:25	6.30	14.33	1.791	--	--	--	412.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	12.30	--	--	6.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	13:26	6.35	15.00	2.611	31.1	4.91	0.0	5.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/11	12:20	6.56	13.42	2.98	5.7	5.18	0.0	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/09/11	12:15	6.03	13.21	1.487	7.9	1.68	0.0	139.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/12	11:15	6.33	15.17	1.969	8.9	5.82	1.2	195.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	15:21	6.56	14.16	2.58	0.0	7.02	0.44	263	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	16:47	6.80	13.99	1.72	0.0	2.13	0.54	147	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RI-19D	08/13/10	12:10	6.89	12.84	0.311	19.5	0.13	2.8	-43.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(70-80')	09/15/10	0:00	--	12.50	--	--	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	12.34	--	--	0.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/10	13:35	6.92	15.00	0.323	10.1	0.08	1.4	-75.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	9:30	7.19	12.49	0.335	16.1	0.29	2.0	-87.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/05/11	10:55	7.09	13.70	0.213	28.6	0.56	3.0	-51.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	16:55	7.24	12.40	0.349	18.8	0.24	8.0	-75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/11	13:05	6.78	11.92	0.218	1.1	0.76	3.0	-68.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	11:40	7.02	12.25	0.264	0.0	0.43	8.2	-93.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/12	11:27	7.16	12.28	0.348	0.0	0.27	2.93	-91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	13:25	7.27	12.60	0.358	0.0	0.12	1.84	-123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data																
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
RI-19S	08/13/10	13:15	6.73	12.96	0.289	16.52	0.19	0.4	-53.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(46-56')	09/15/10	0:00	--	12.90	--	--	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	12.68	--	--	3.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/10	13:10	6.79	13.90	0.298	12.31	0.12	3.0	-62.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	9:08	7.23	12.63	0.315	17.30	0.58	3.0	-89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/05/11	10:28	6.89	14.10	0.208	33.2	0.75	4.0	-44.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	16:05	6.68	12.22	0.327	0.0	0.35	6.5	-56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/11	12:30	6.60	12.16	0.203	-0.2[2]	0.85	4.0	-74.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	11:00	6.85	12.41	0.244	0.0	0.51	8.0	-76.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/12	10:42	6.81	12.26	0.327	0.0	0.43	2.12	-63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	12:45	7.06	12.80	0.337	0.0	0.10	2.60	-96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RI-20D	08/09/10	0:00	--	--	--	--	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(100-110')	11/18/10	15:20	7.27	12.90	0.577	8.90	0.08	0.0	-11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.80	--	--	1.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	10:15	7.44	12.10	0.779	2.2	0.16	0.0	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.86	--	--	0.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	12.20	--	--	0.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	16:15	7.59	14.24	0.880	--	--	0.57	-36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RI-20S	08/11/10	0:00	--	12.00	--	--	0.09	--	--	4.1	0.066 J	< 0.015	35.1	4.1	0.118 J	0.084 J	--	--	--	--	--	--	--	--	--
(70-80')	10/12/10	0:00	--	12.55	--	--	6.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	11:25	7.62	13.00	0.605	18.62	0.18	0.0	106.8	< 0.50	1.4	< 0.015	30.5	< 0.50	< 0.0522	< 0.052	--	--	--	--	--	--	--	--	--
	02/08/11	14:35	7.84	11.54	0.589	18.0	1.74	0.0	66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/11	12:32	7.81	10.72	0.664	18.1	1.74	0.0	-8.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	12:40	7.70	13.60	0.530	19.8	0.24	0.0	-39.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/11	10:55	7.58	12.23	0.741	8.9	0.22	0.5	123	< 0.5	< 0.8	< 0.015	28.9	0.57 J	0.0222 J	--	< 0.39	7.2	< 0.31	1.0	< 0.41	< 0.69	6.5	0.01	0.01
	11/08/11	13:30	7.40	11.97	0.478	0.3	1.06	0.0	59.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	9:00	7.59	12.27	0.606	0.3	0.43	0.0	44.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	10:00	7.86	12.35	0.8101	0.0	0.42	3.0	168	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	18:34	7.89	12.90	0.898	0.0	0.09	0.40	7	0.5 J	1.3	< 0.015	24.7	< 0.5	0.0907 J	--	1.2	0.62	< 0.31	1.2	< 0.41	< 0.69	7.1	0.01	0.02
RW-1	09/15/10	0:00	--	12.50	--	--	2.08	--	--	< 0.50	2.2	< 0.015	23.2	0.81 J	1.35	1.3	--	--	--	--	--	--	--	--	--
(23-70')	10/12/10	0:00	--	12.45	--	--	2.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	13:25	7.06	13.30	0.605	18.62	1.51	0.0	148.7	0.52 J	2.2	< 0.015	18.5	0.51 J	0.601	0.54	--	--	--	--	--	--	--	--	--
	02/16/11	16:25	7.18	11.85	2.113	26.5	0.47	0.0	47.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	14:30	6.82	15.00	2.084	4.9	1.10	0.0	-29.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/11	12:20	7.29	12.36	2.6	9.7	2.61	4.0	133	0.66 J	2.0	< 0.015	16.5	0.76 J	0.912	--	< 0.39	5.5	< 0.31	1.5	< 0.41	< 0.69	0.5	< 0.01	0.04
	11/09/11	10:40	6.75	12.13	1.616	15.6	2.69	0.0	110.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	12:00	6.07	12.47	1.761	4.1	1.41	2.0	95.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	12:45	7.29	12.51	2.27	0.0	2.35	2.43	180	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	13:10	7.33	12.55	2.54	0.0	0.32	0.22	86	0.64 J	2.3	< 0.015	21.1	0.58 J	0.585	--	< 0.39	< 0.54	< 0.31	< 0.22	< 0.41	< 0.69	0.3	0.01	0.01
RW-2	08/13/10	12:40	8.24	13.07	0.285	86.21	0.12	0.5	-87.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(80-150')	11/17/10	12:30	7.57	12.70	0.501	13.2	0.41	0.0	68.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.90	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/11	10:55	7.67	11.80	0.509	5.7	0.08	6.0	-31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.57	--	--	0.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.92	--	--	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	7.27	11.94	2.27	0.0	0.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	15:25	7.50	12.02	0.525	0.0	0.05	0.53	91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
RW-3	08/16/10	13:35	7.87	12.47	0.478	38.7	0.09	1.5	-234.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(150-210')	11/17/10	11:45	7.21	12.80	0.512	8.87	0.08	0.0	-127.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	14.70	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/11	11:10	7.20	11.87	0.559	0.0	0.08	10.0	-99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.64	--	--	0.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.96	--	--	0.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.99	--	--	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/12	16:20	7.53	12.08	0.553	0.0	0.16	1.12	-164	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-1	08/09/10	0:00	--	--	--	--	0.29	--	--	2.8	1.8	< 0.015	25.4	3.0	0.553	0.50	--	--	--	--	--	--	--	--	--
(9-40')	09/15/10	0:00	--	14.90	--	--	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	14.46	--	--	2.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/10	14:05	5.40	15.90	1.416	12.43	0.34	0.0	1241.3	2.2	2.0	< 0.015	18.2	2.1	0.254	0.25	--	--	--	--	--	--	--	--	--
	02/07/11	0:00	--	13.00	--	--	8.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/05/11	13:45	6.57	16.50	1.300	52.3	0.13	0.0	-37.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/11	13:00	6.85	14.80	1.97	156	1.69	1.0	174	3.2	1.4 J	< 0.015	32.6	3.4	13.6	--	< 0.39	5.6	< 0.31	1.3	< 0.41	< 0.69	3.6	< 0.01	0.04
	11/09/11	12:50	6.44	14.86	1.544	351.9	2.23	0.5	143.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	11:10	6.11	15.34	3.314	43.1	3.05	1.8	179.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	11:59	6.63	15.35	2.35	61.3	4.25	2.73	181	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	12:08	6.86	15.70	1.15	69.8	1.06	0.57	118	2.5	1.6	< 0.015	21.1	2.6	5.81	--	< 0.39	< 0.54	< 0.31	< 0.22	< 0.41	< 0.69	< 0.2	< 0.01	0.01
W-3	09/15/10	0:00	--	11.70	--	--	0.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(12-23')	10/12/10	0:00	--	12.26	--	--	0.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/19/10	12:25	6.40	13.00	0.404	14.83	0.11	2.6	-7.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	10:33	6.42	10.44	0.377	201.3	0.40	2.0	110.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/05/11	12:51	6.60	12.70	0.245	41.3	0.45	3.5	-26.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/19/11	8:40	6.35	11.19	0.43	316	0.24	8.0	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/11	11:15	6.37	11.87	0.270	51.3	1.29	3.0	-10.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/12	9:45	6.62	11.82	0.312	101.9	3.05	3.8	-24.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/12	9:53	6.49	10.90	0.433	109	0.45	2.93	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	10:40	6.83	12.60	0.450	97.8	0.12	2.12	-53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-4	08/13/10	13:17	5.01	12.82	0.081	--	2.87	0.0	222.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(16-30')	09/15/10	0:00	--	11.70	--	--	2.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.21	--	--	1.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	10:25	5.37	12.60	0.087	24.9	0.34	0.0	680.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/16/11	9:55	5.28	10.92	0.120	21.2	6.01	0.0	161.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/05/11	11:50	5.18	12.90	0.062	33.6	2.67	0.0	-14.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	15:30	5.10	11.52	0.102	11.3	3.11	4.0	319	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/10/11	11:55	4.93	11.58	0.073	5.3	2.56	0.0	180.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/12	10:15	5.26	12.16	0.084	2.1	1.25	0.6	201.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.83	--	--	2.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	12:10	5.61	12.20	0.106	0.0	0.72	0.53	172	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-8	11/17/10	11:05	5.82	13.01	0.504	35.1	--	0.6	714.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(15-30')	02/07/11	0:00	--	11.80	--	--	1.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	12.60	--	--	0.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/11	0:00	--	11.61	--	--	0.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/11/11	12:00	--	11.44	--	--	1.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/12	9:35	5.92	12.05	0.168	6.3	0.65	0.0	115.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/12	12:07	5.43	11.62	0.107	0.0	0.66	1.06	253	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/20/12	11:30	6.22	12.30	0.269	0.0	0.22	0.45	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

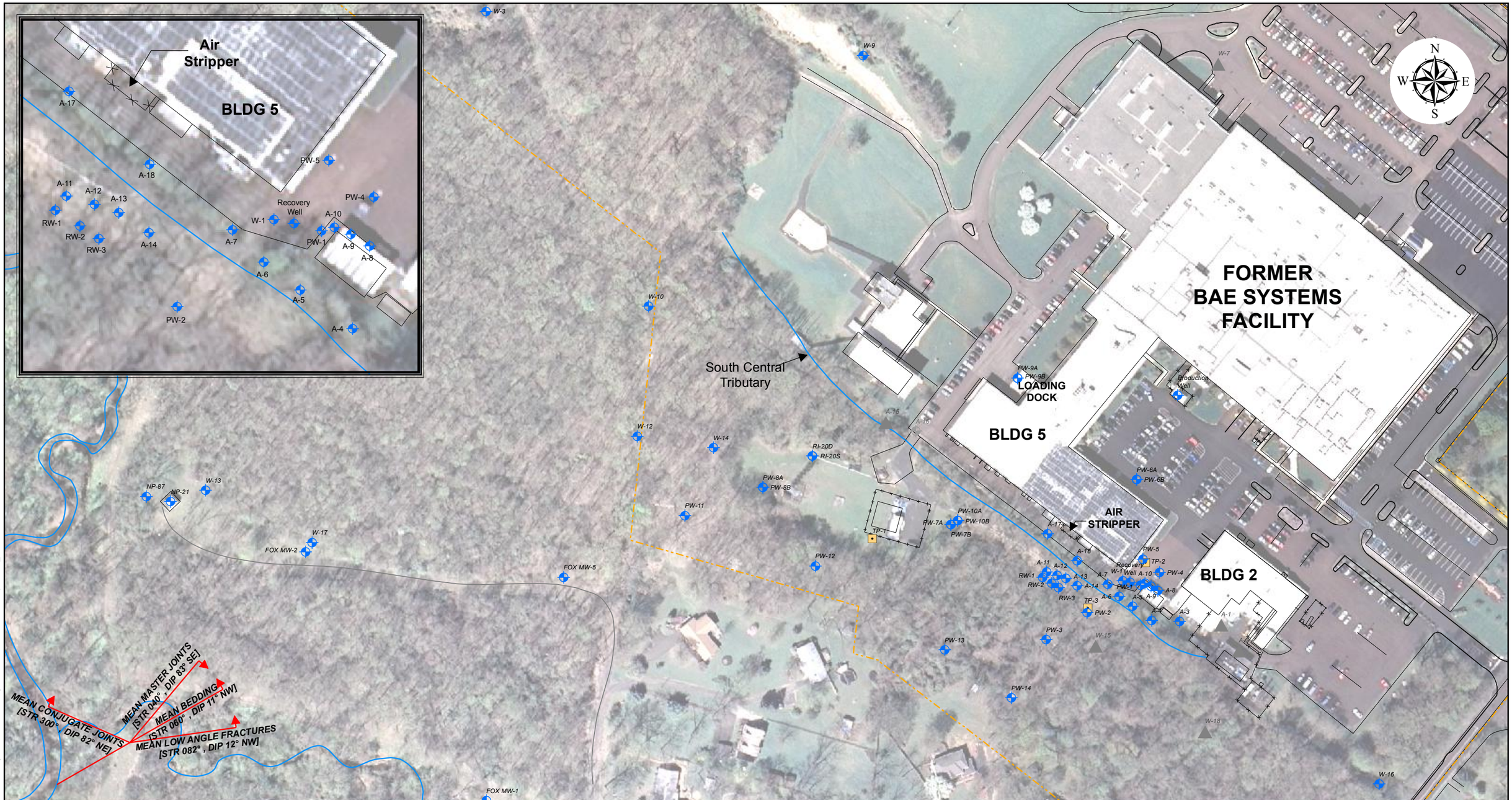
Location ID	Date	Time	Field Parameters							Laboratory Data															
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
W-10	08/09/10	0:00	--	--	--	--	0.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(7-47')	09/15/10	0:00	--	11.40	--	--	0.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	13.13	--	--	4.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	0:00	6.33	12.30	0.402	3.25	0.27	0.0	428.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/11	11:35	5.85	6.25	0.261	31.9	5.85	0.0	245	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	11:26	5.79	11.60	0.271	109.4	3.33	1.8	-10.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	8:30	6.53	11.14	0.68	35.3	0.48	0.5	254	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	10:50	5.39	10.38	0.232	138.6	3.10	0.0	161.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/14/12	12:00	6.09	11.16	0.272	133.1	2.07	0.0	158.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	9:00	5.85	10.92	0.455	53.9	1.57	1.39	265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	14:15	7.02	12.40	0.803	27.2	0.47	0.00	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-12	08/09/10	0:00	--	--	--	--	2.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(7-40')	09/15/10	0:00	--	10.90	--	--	5.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	10.93	--	--	5.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/16/10	12:55	5.28	11.80	0.834	--	3.24	0.0	-261.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/11	12:28	4.66	10.60	0.322	52.4	4.49	0.0	278	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	12:10	5.30	11.30	0.140	38.7	2.60	1.0	7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	9:00	5.58	10.66	1.01	305	3.48	0.0	345	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	11:15	5.08	11.86	0.158	80.3	3.49	0.0	222.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/14/12	12:25	5.61	10.16	0.141	77.6	2.32	0.0	229.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	9:23	5.07	10.54	0.19	3.9	1.91	0.54	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	14:40	5.34	11.40	1.11	24.6	2.43	0.20	296	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-13	08/09/10	0:00	--	--	--	--	0.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(10-44')	11/16/10	0:00	7.20	12.10	0.444	2.50	0.56	0.0	79.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	12.90	--	--	0.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	11:20	7.34	11.29	0.552	0.0	1.01	0.0	183	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	10.93	--	--	1.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.37	--	--	0.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.47	--	--	0.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	10:20	7.44	11.40	0.545	0.0	1.13	0.00	161	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
W-14	08/09/10	0:00	--	--	--	--	0.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(6-36')	09/15/10	0:00	--	11.20	--	--	1.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/12/10	0:00	--	11.26	--	--	1.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/17/10	15:15	7.56	10.40	0.495	--	2.02	--	431.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/08/11	13:14	5.75	11.09	0.229	44.1	5.55	0.0	265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/11	13:54	6.01	10.70	0.140	12.9	3.71	0.8	4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/17/11	9:30	7.48	11.05	0.594	26.5	1.01	0.5	216	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/08/11	11:35	5.72	12.58	0.136	29.6	6.67	0.0	204.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/14/12	12:50	6.30	10.71	0.240	150.1	5.00	0.6	174.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/12	11:00	6.61	10.38	0.345	9.3	3.94	0.89	224	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	15:10	7.52	11.50	0.648	--	0.57	0.47	149	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
MNA Parameters
Former BAE Facility
Lansdale, Pennsylvania

Location ID	Date	Time	Field Parameters							Laboratory Data																
			pH	Temp	Conduct-ivity	Turbidity	Downhole DO	Ferrous Iron[3]	ORP	DOC	Nitrate	Nitrite	Sulfate	TOC	Iron	Ferric Iron	Lactate	Acetate	Prop-ionate	Formate	Butyrate	Pyruvate	Methane	Ethane	Ethene
			pH Units	deg C	mS/cm	NTU	mg/L	mg/L	mV	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L
W-16	08/09/10	0:00	--	--	--	--	1.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(9-47')	11/18/10	11:20	6.83	13.40	0.446	123.8	0.88	0.0	126.1	3.5	1.2	< 0.015	6.2	3.4	0.921	0.72	--	--	--	--	--	--	--	--	--
	02/15/11	17:30	7.22	11.40	0.484	75.1	0.90	0.0	83.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/04/11	11:19	7.00	14.30	0.436	98.7	2.06	0.0	-34.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/23/11	10:05	6.75	12.68	0.544	78	1.67	1.0	208	0.92 J	2.9	< 0.015	36.5	0.61 J	1.09	--	0.70	5.6	< 0.31	1.6	< 0.41	< 0.69	< 0.2	< 0.01	< 0.01
	11/10/11	10:35	6.87	12.32	0.337	81.9	1.62	0.0	162.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/15/12	10:20	7.01	12.62	0.393	26	1.10	4.4	100.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/03/12	11:18	7.36	12.79	0.528	7.8	1.21	0.36	214	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/21/12	8:36	7.35	12.90	0.552	23.1	0.96	0.67	109	0.87 J	2.9	< 0.015	34.2	0.62 J	9.00	--	< 0.39	< 0.54	< 0.31	< 0.22	< 0.41	< 0.69	< 0.2	< 0.01	< 0.01
W-17	08/09/10	0:00	--	--	--	--	0.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
(6-44')	11/16/10	0:00	7.45	12.20	0.365	10.18	0.09	0.0	104.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/02/11	0:00	--	13.10	--	--	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/16/11	11:50	7.12	11.41	0.454	1.2	0.19	1.0	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/07/11	12:00	--	11.12	--	--	1.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/13/11	12:00	--	11.44	--	--	0.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	05/01/12	12:00	--	11.68	--	--	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	08/15/12	10:55	7.72	12.00	0.487	0.0	0.43	1.20	-68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

DO = Dissolved Oxygen
ORP = Oxygen Reduction Potential
mV = Millivoltes
mS/cm = millisiemens per centimeter
mg/L = milligrams per liter
ug/l = micrograms per liter
TOC= Total Organic Carbon
DOC= Dissolved Organic Carbon
Temp= Temperature
NTU = Nephelometric Turbidity Units
[1] = The holding time was not met.
[2] = These measurements are considered to be anomalies.
[3] = Prior to May 2012 Ferrous Iron Measurements were collected using HACH Ferrous Iron Color Disc Test Kit. Starting in May 2012 the HACH DR890 was utilized.

FIGURES



Tuesday, April 17, 2012 9:21:39 AM • G:\EAI Projects\Non-PCG Projects\1863-Colmar\1863-Maps\1863_OU1 Base 4-12.mxd

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Property Line
- Swale
- Stream/Tributary
- Site Road

0 150 300 Feet

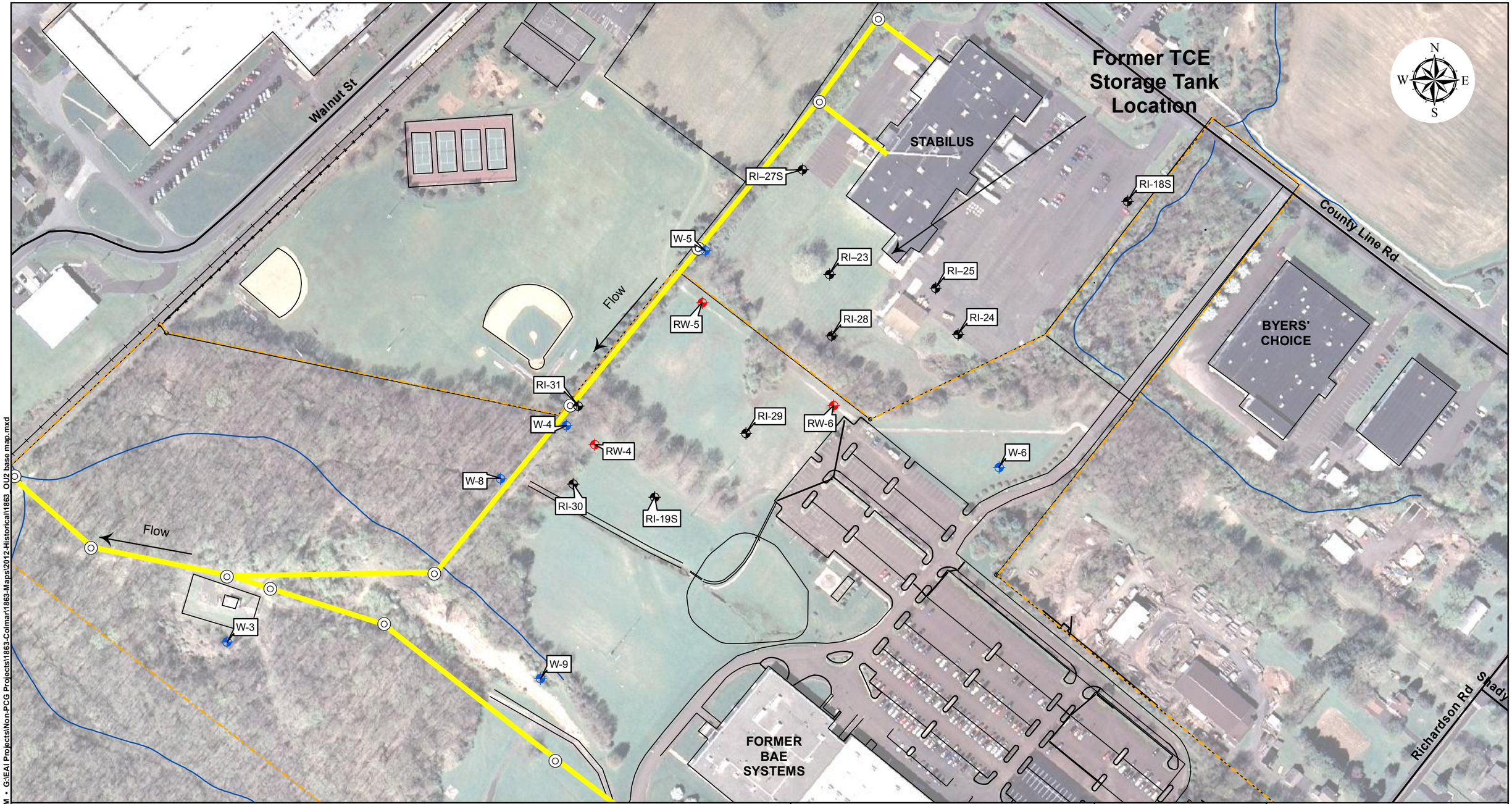
Sources:
Aerial photograph from The National Map, March, 2010
Modified based on PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey
Mean bedding, low-angle fracture, and high-angle fracture strike and dip from downhole OTV survey (ARM GEOPHYSICS, Feb. 2007)

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-1 (BAE)

OU-1 Area Map

DESIGNED BY: JSE	DRAWN BY: SKJ	UPDATED BY: -- --	FIGURE NO.: 1
APPROVED BY:	PROJECT NO.: 1863	DATE: 04/17/2012	



Thursday, April 5, 2012 2:29:12 PM - G:\EAI Projects\Non-PCG Projects\1863-Colmar\1863-Maps\2012-Historical\1863_OU2 base map.mxd

Legend

- W - Series Monitoring Well
- RI Monitoring Well
- RW Monitoring Well
- Sewer Manholes
- Road
- Sanitary Sewer Line
- Railroad Tracks
- Tributary
- Property Line

0 180 360 Feet

Notes:
- Sewer Line & manhole locations are approximate.

Sources:
- Modified based on PASDA Aerial Image
- Aerial photograph from The National Map, March, 2010
- Base Map from Synergy Environmental, Inc.
- Base Map from Metz Engineers Survey

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-2 (BAE)

OU-2 Area Map

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
PM	SKJ	-- --	2
APPROVED BY:	PROJECT NO.: 1863	DATE: 04/05/2012	

Figure 3
Daily Mean DTW - USGS Observation Well MG-917, Montgomery County, PA

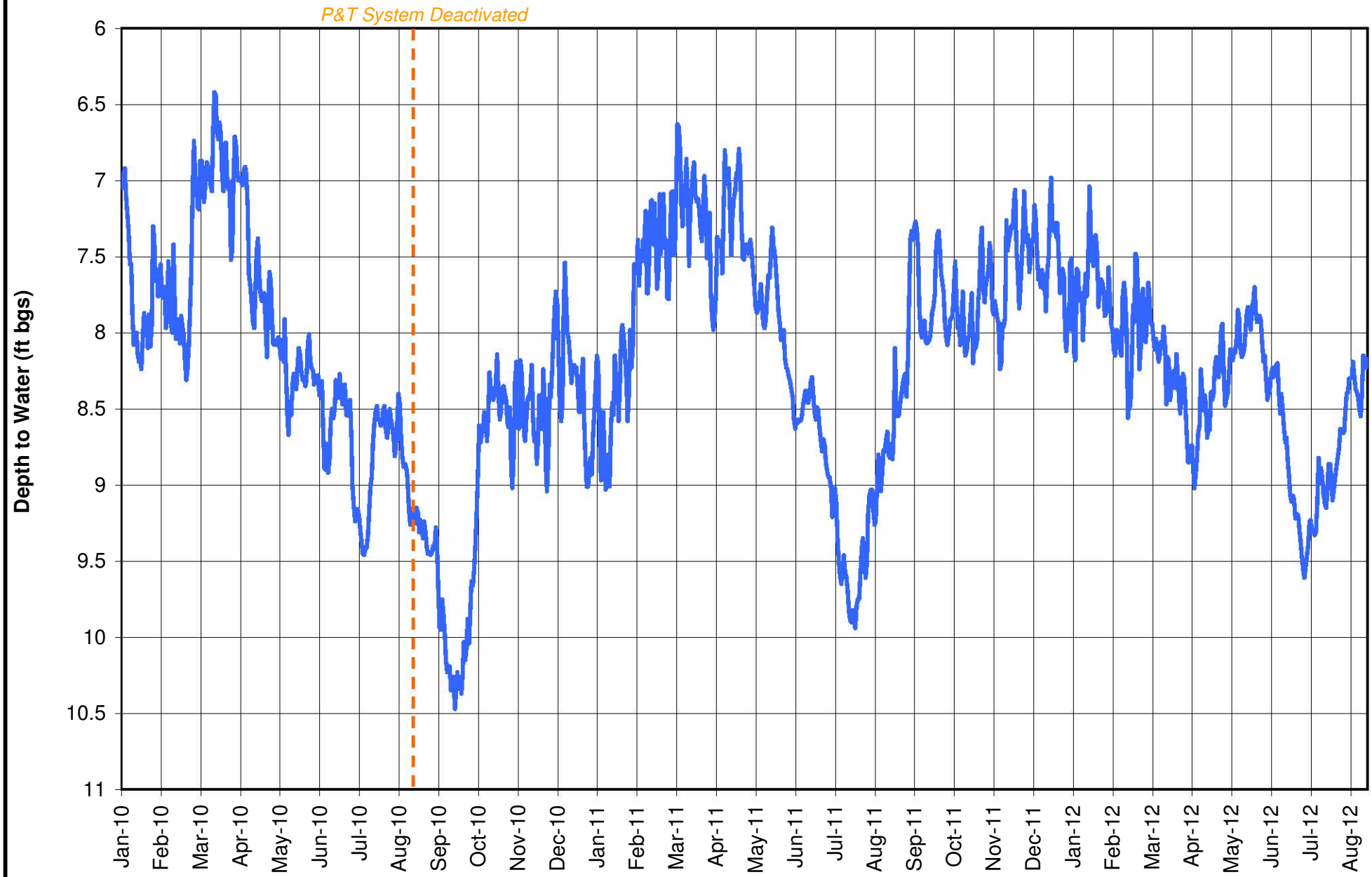


Figure 4
Precipitation at NOAA Weather Station - Conshohocken, PA

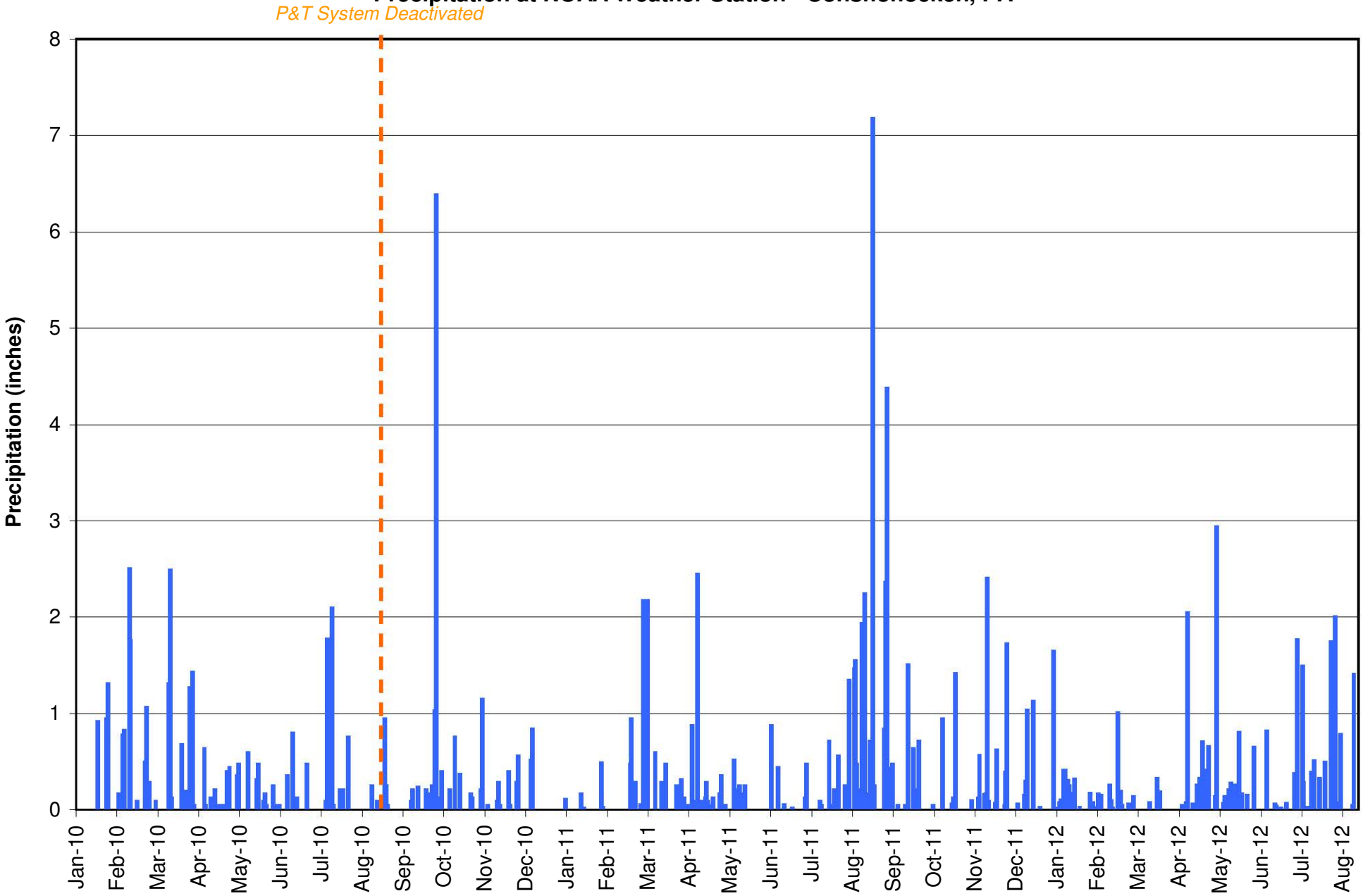


Figure 5
Daily Mean Discharge - Neshaminy Creek Near Rushland, PA (USGS 01464750)

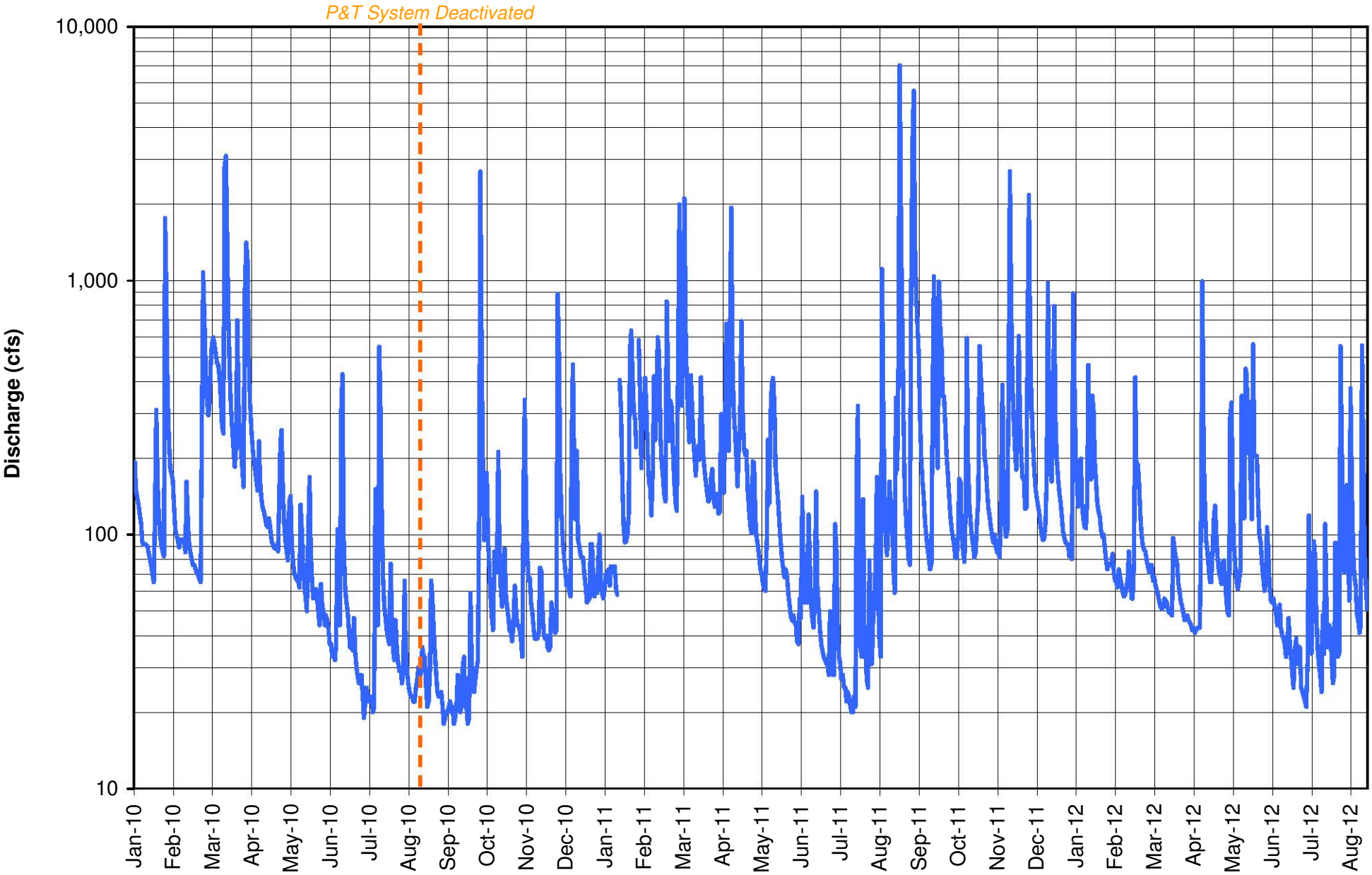
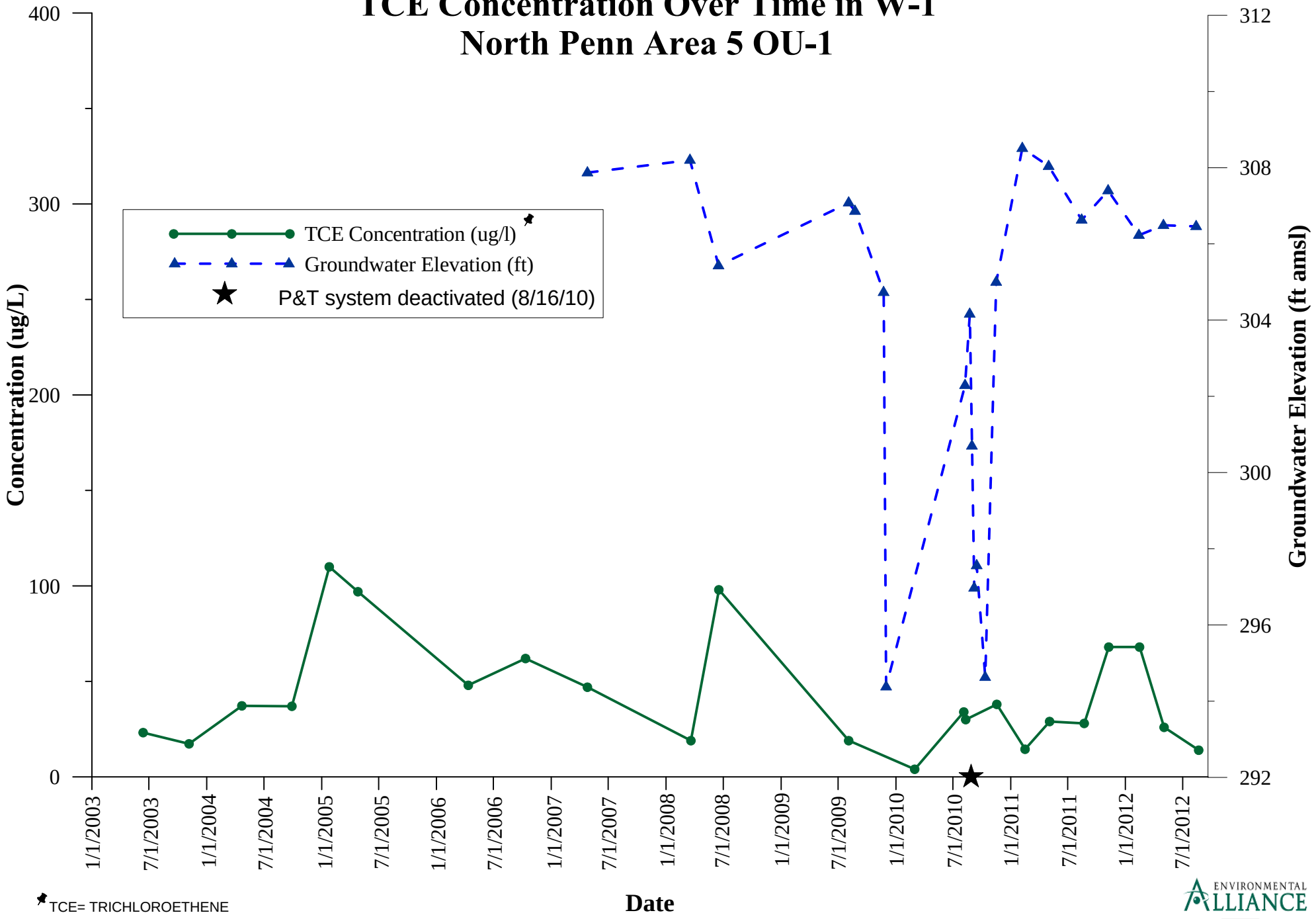


Figure 6A
TCE Concentration Over Time in W-1
North Penn Area 5 OU-1

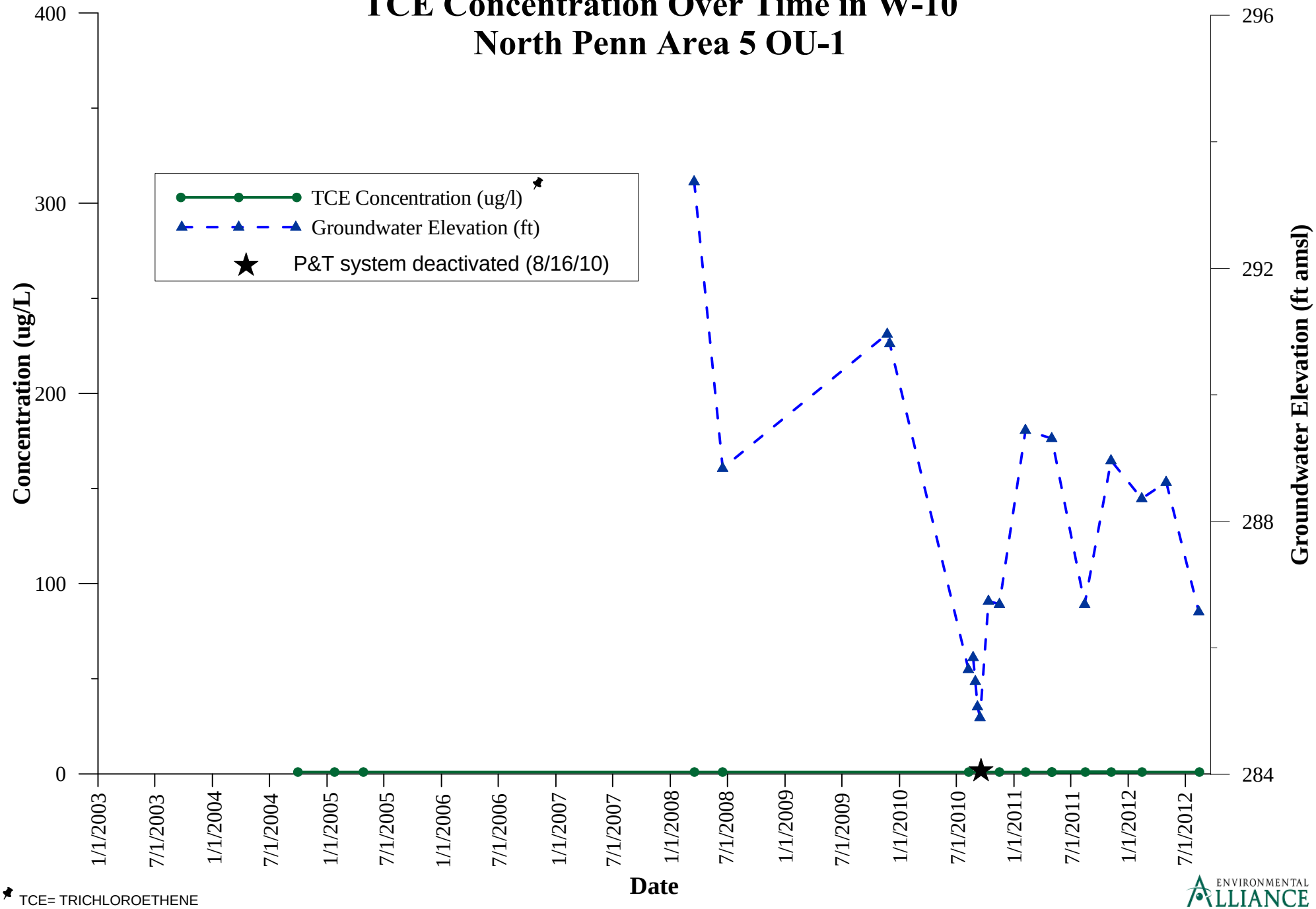


TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6B
TCE Concentration Over Time in W-10
North Penn Area 5 OU-1

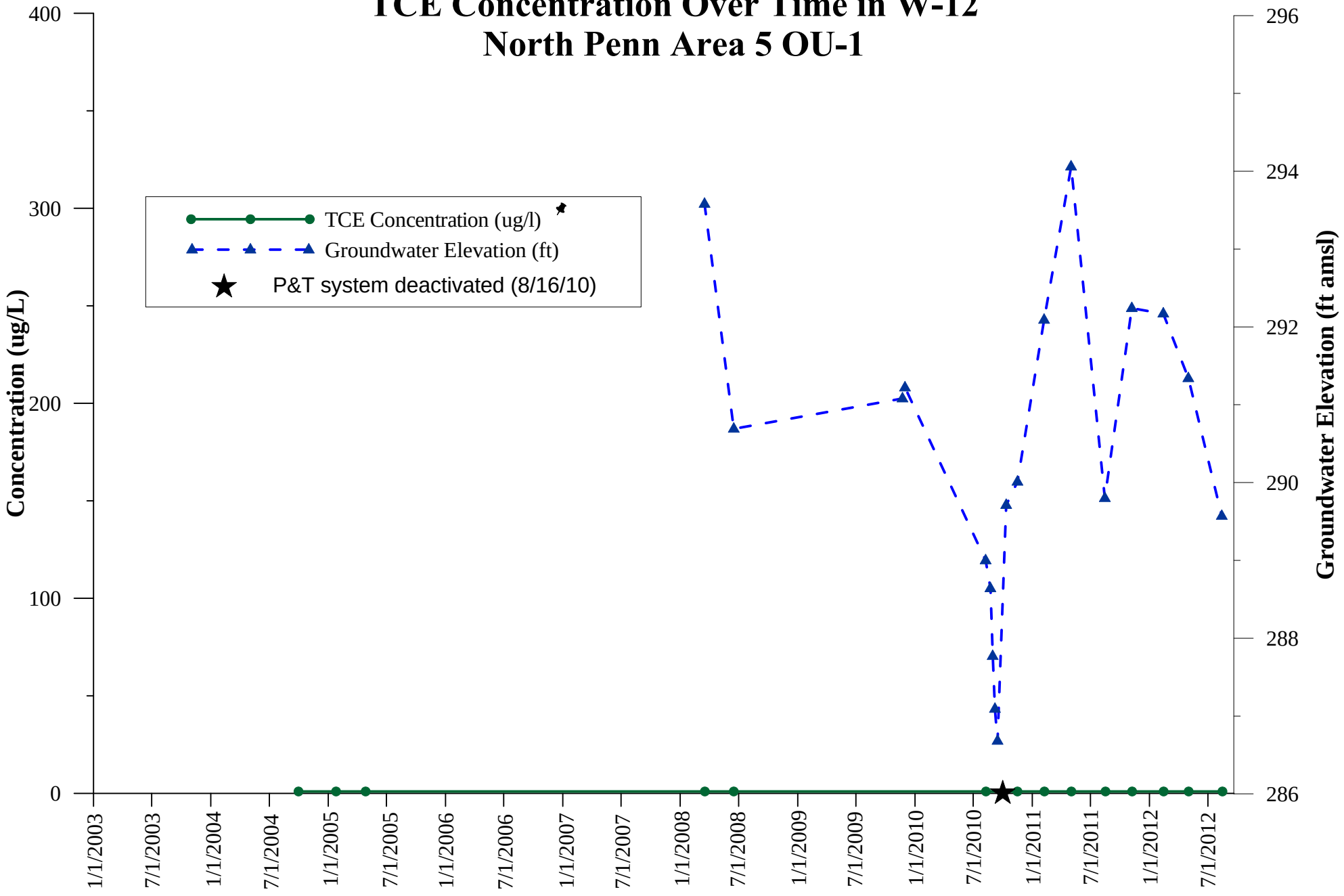


* TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6C
TCE Concentration Over Time in W-12
North Penn Area 5 OU-1

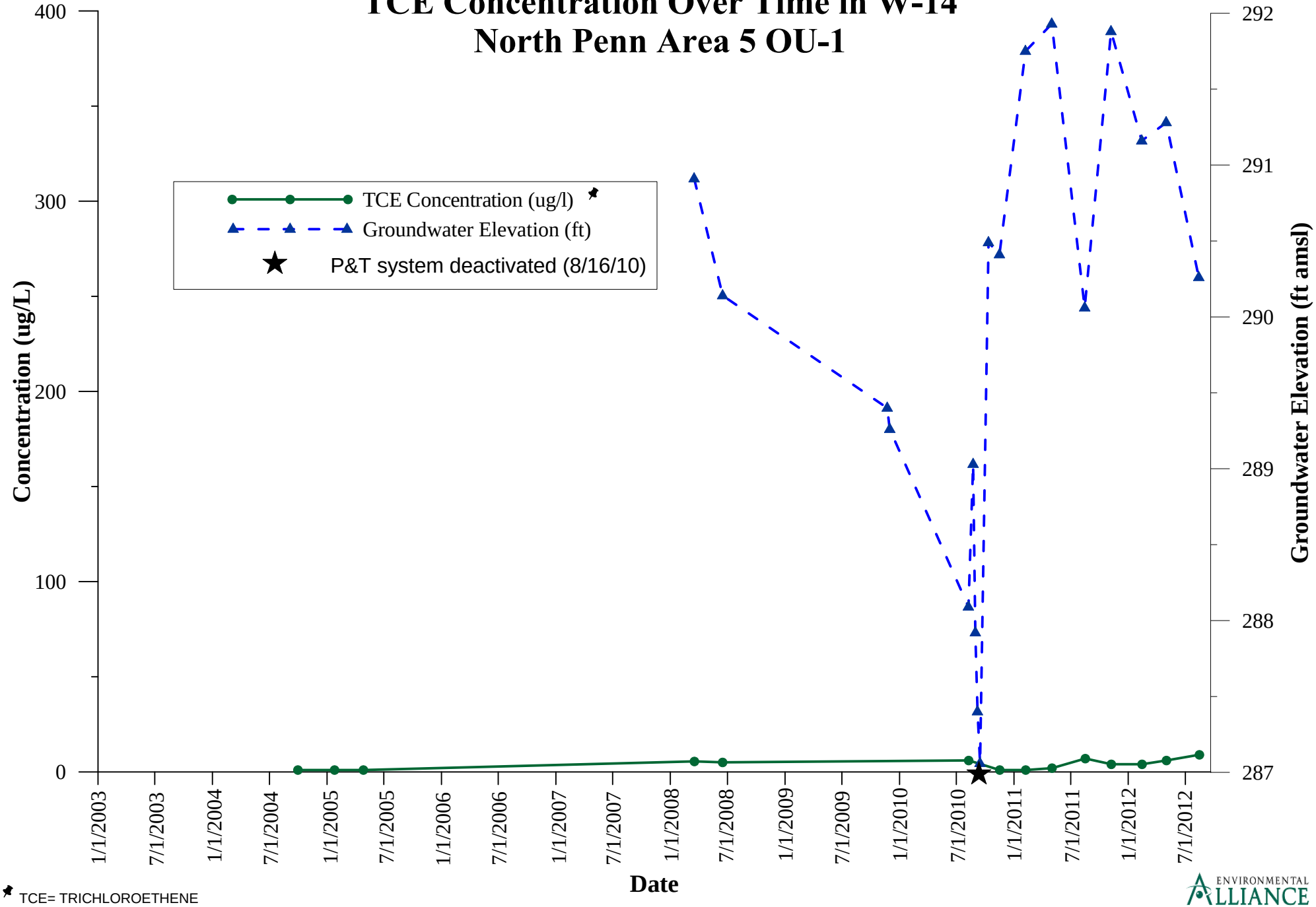


TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6D
TCE Concentration Over Time in W-14
North Penn Area 5 OU-1

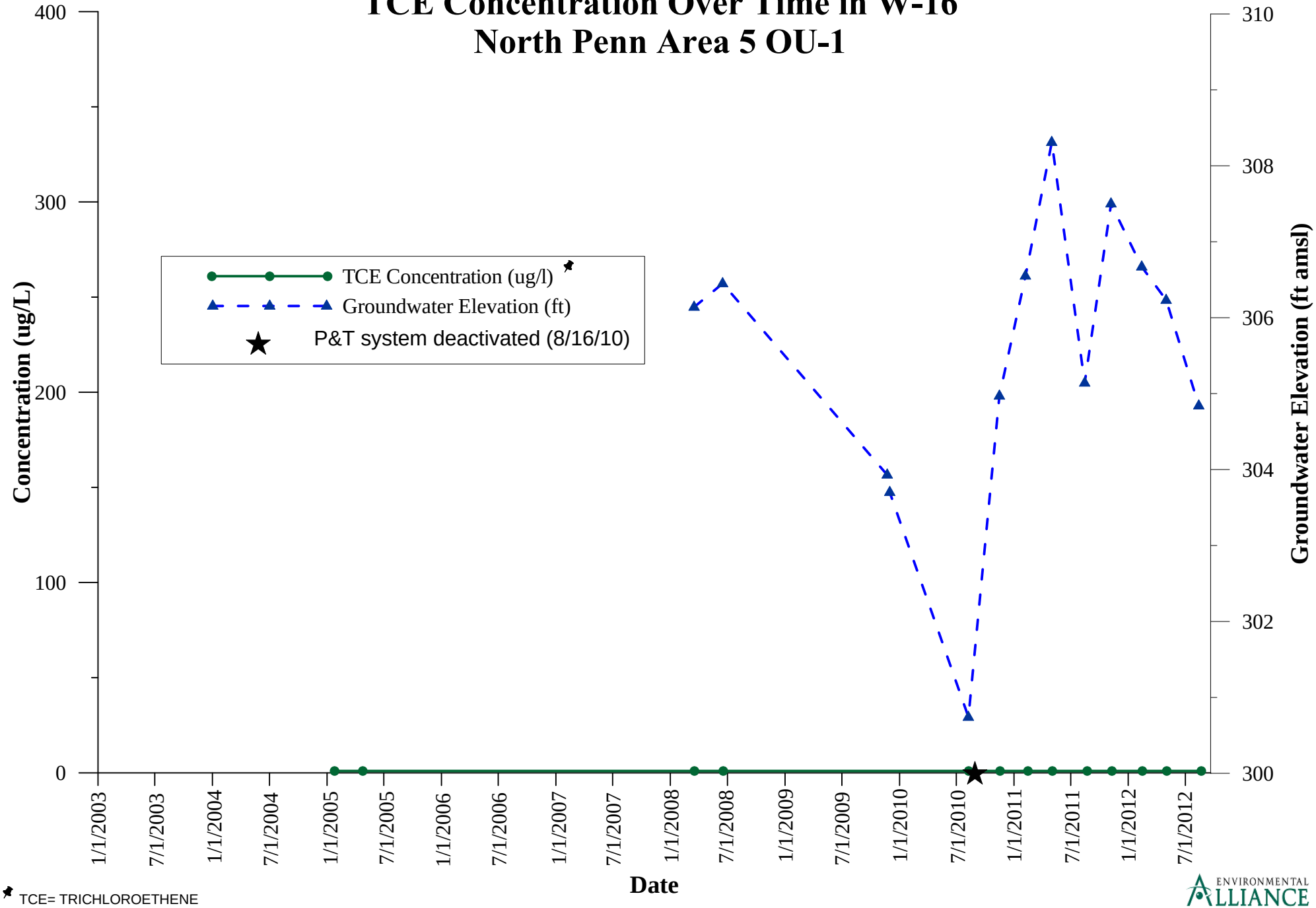


* TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6E
TCE Concentration Over Time in W-16
North Penn Area 5 OU-1

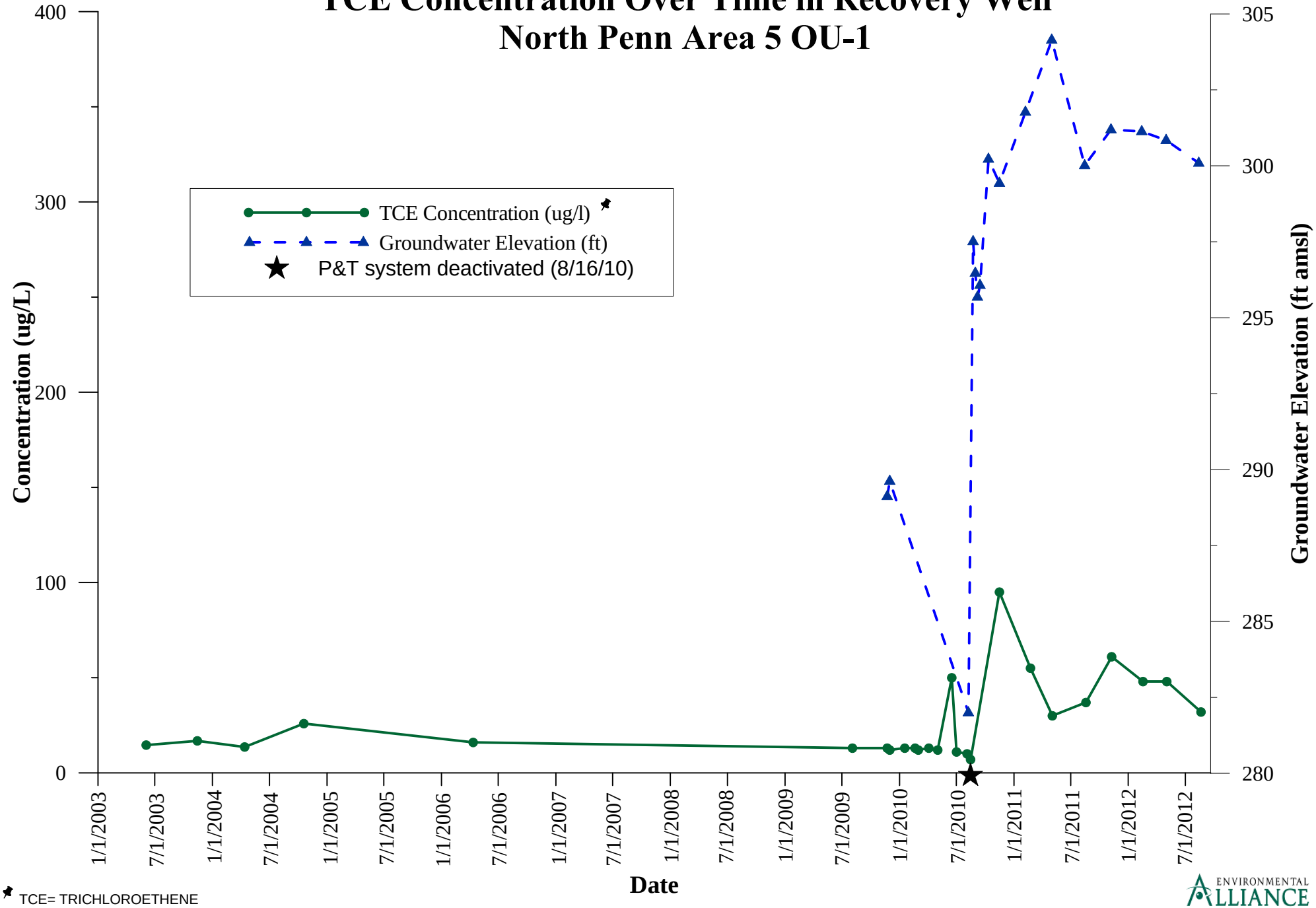


* TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6F
TCE Concentration Over Time in Recovery Well
North Penn Area 5 OU-1

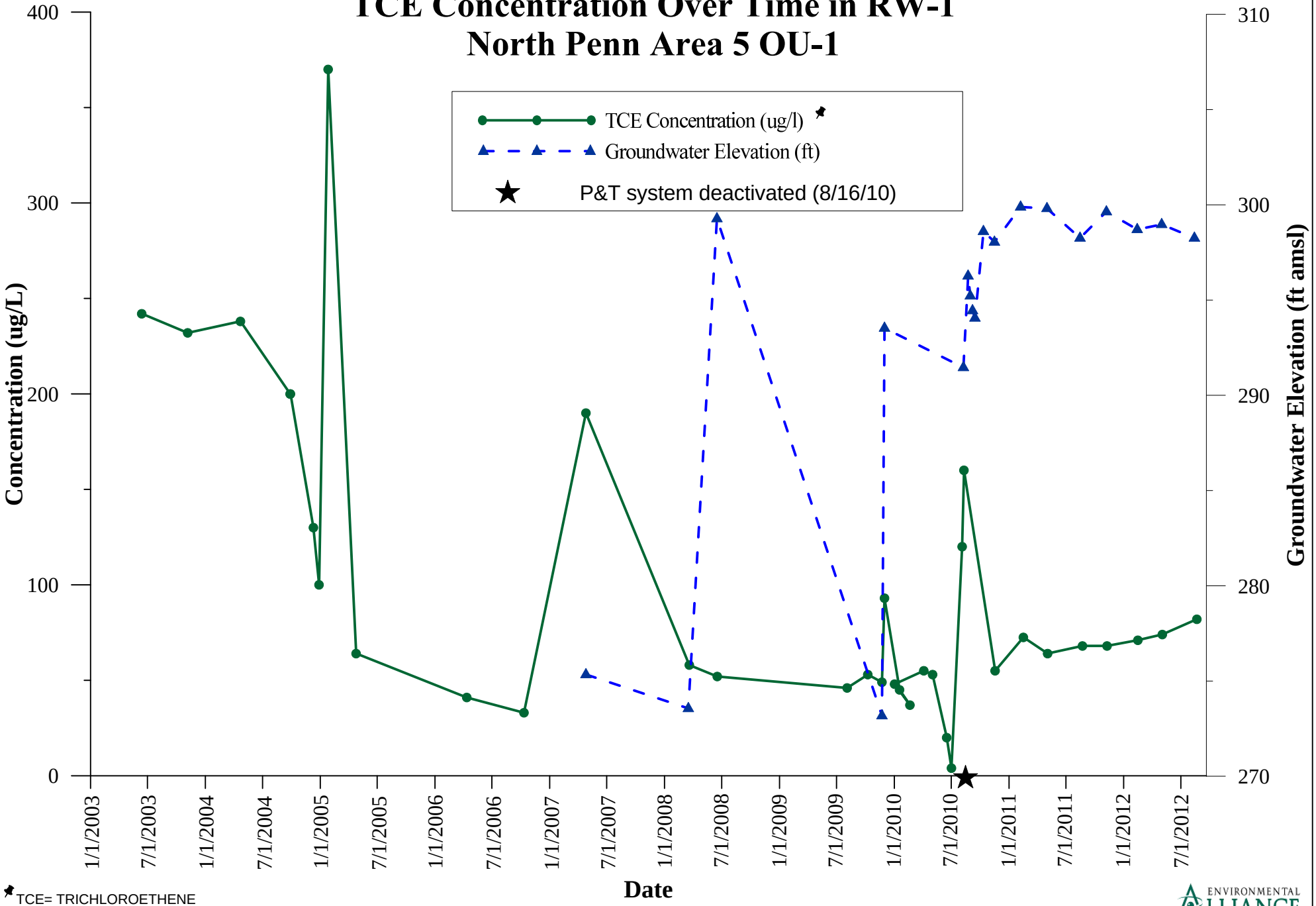


* TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6G
TCE Concentration Over Time in RW-1
North Penn Area 5 OU-1

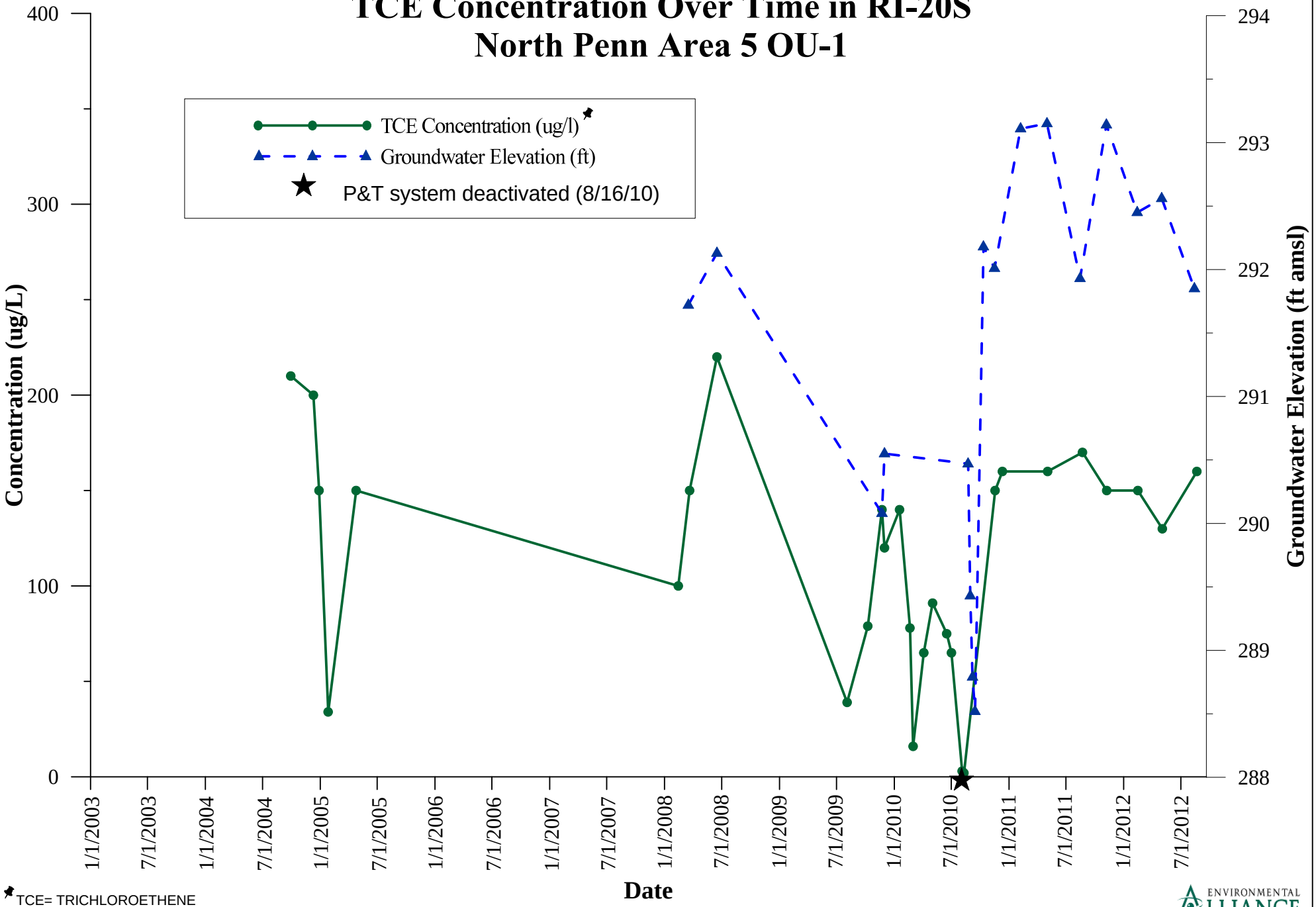


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6H
TCE Concentration Over Time in RI-20S
North Penn Area 5 OU-1

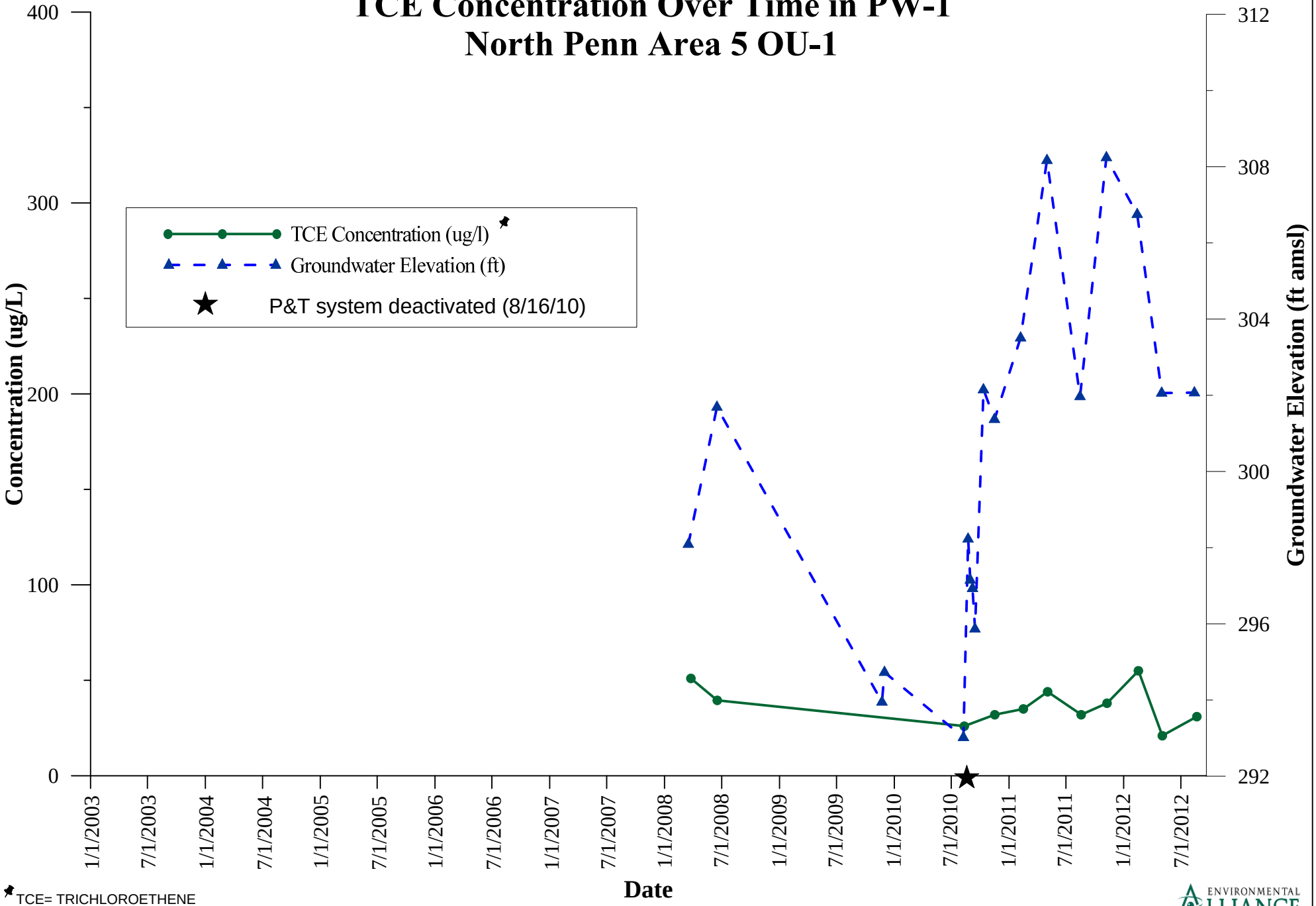


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6I
TCE Concentration Over Time in PW-1
North Penn Area 5 OU-1

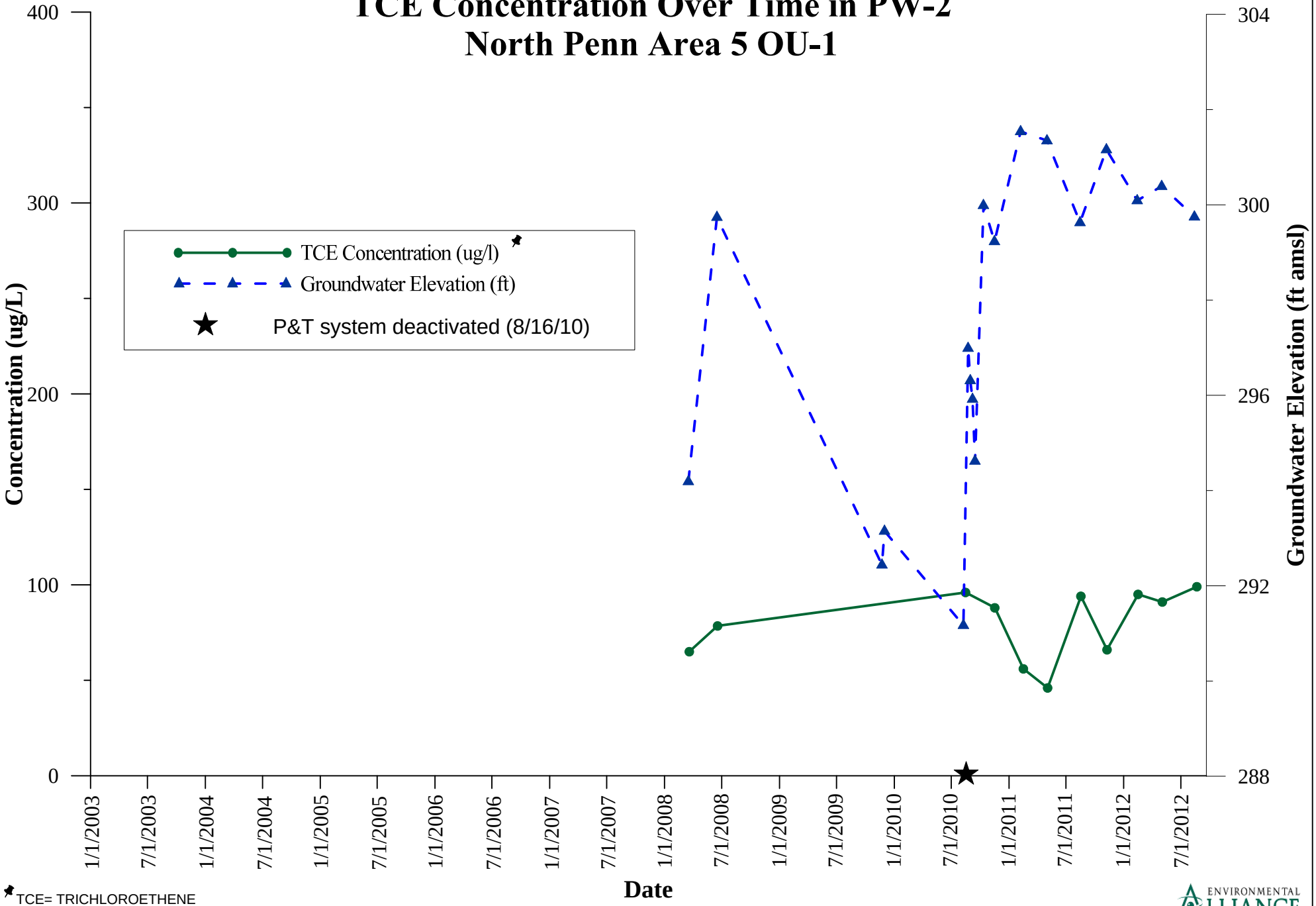


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6J
TCE Concentration Over Time in PW-2
North Penn Area 5 OU-1

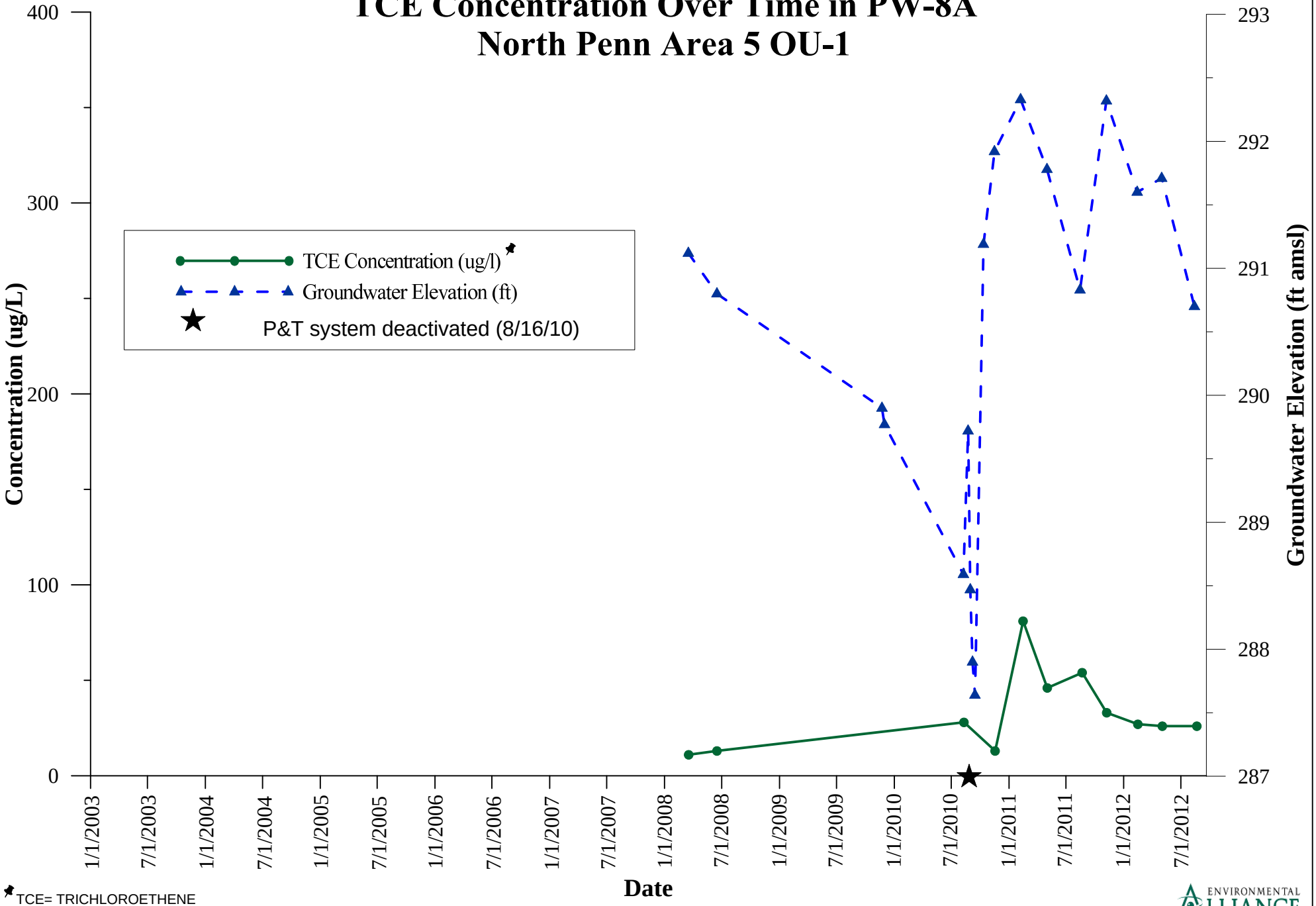


TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6K
TCE Concentration Over Time in PW-8A
North Penn Area 5 OU-1

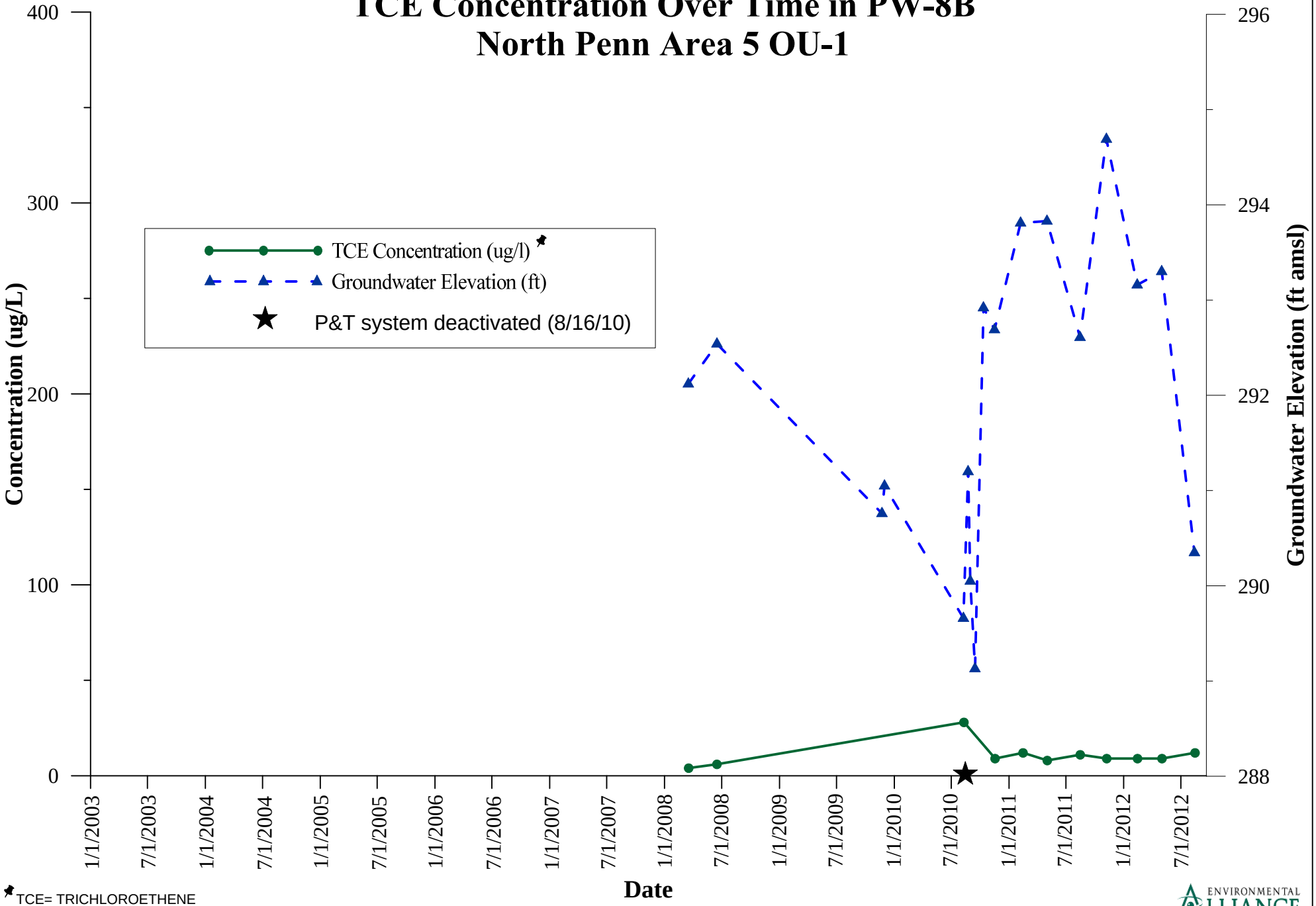


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6L
TCE Concentration Over Time in PW-8B
North Penn Area 5 OU-1

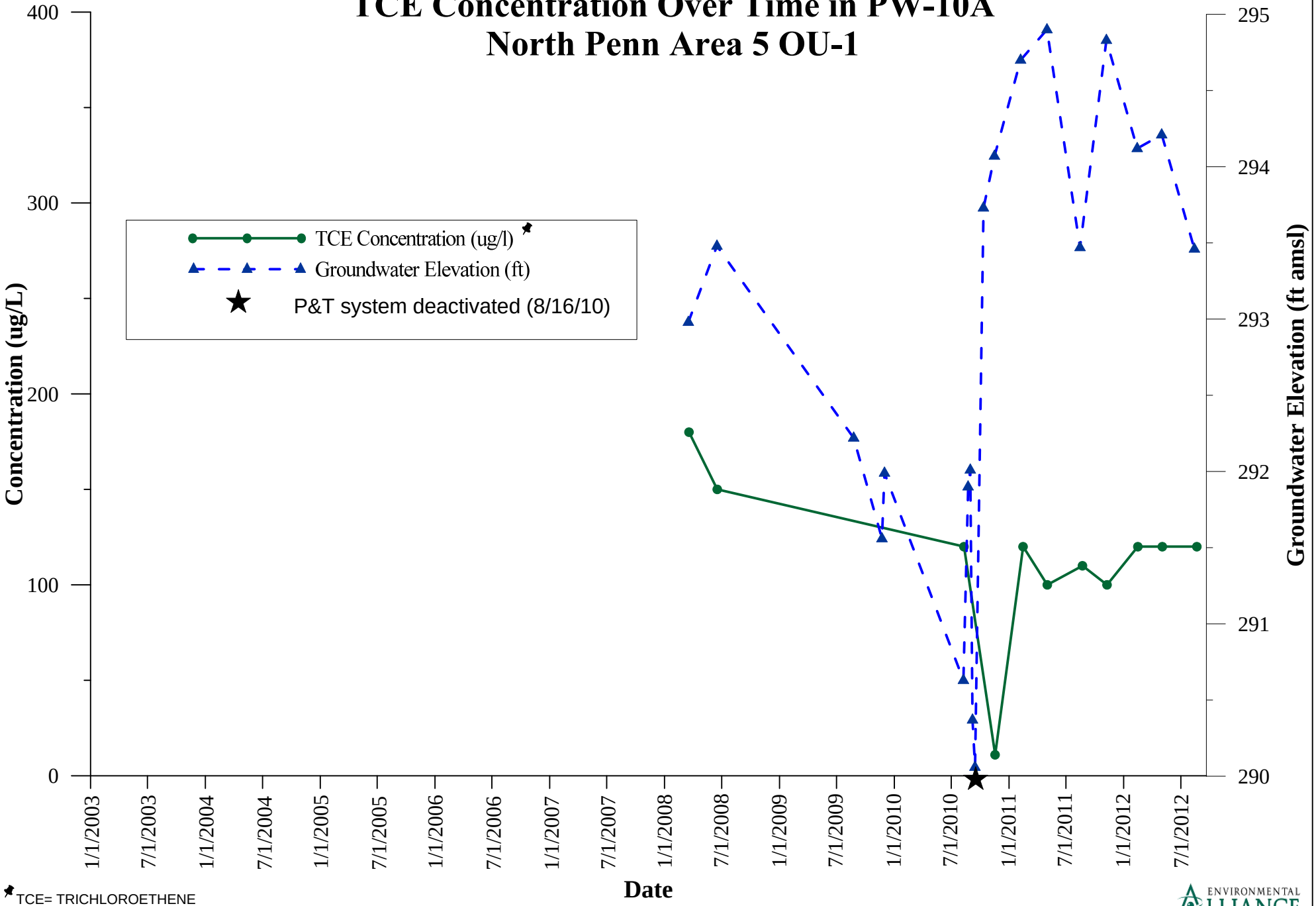


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6M
TCE Concentration Over Time in PW-10A
North Penn Area 5 OU-1

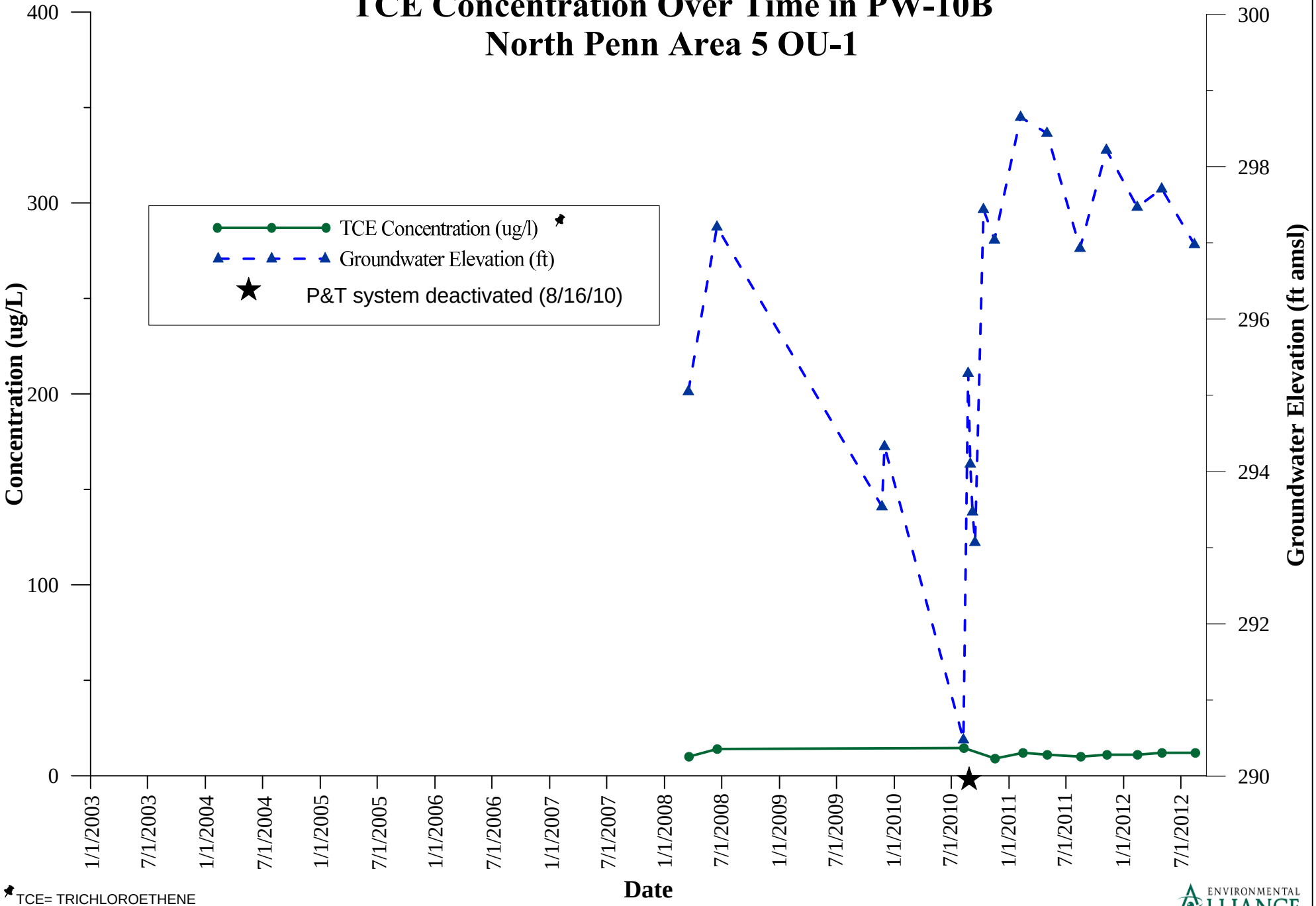


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6N
TCE Concentration Over Time in PW-10B
North Penn Area 5 OU-1

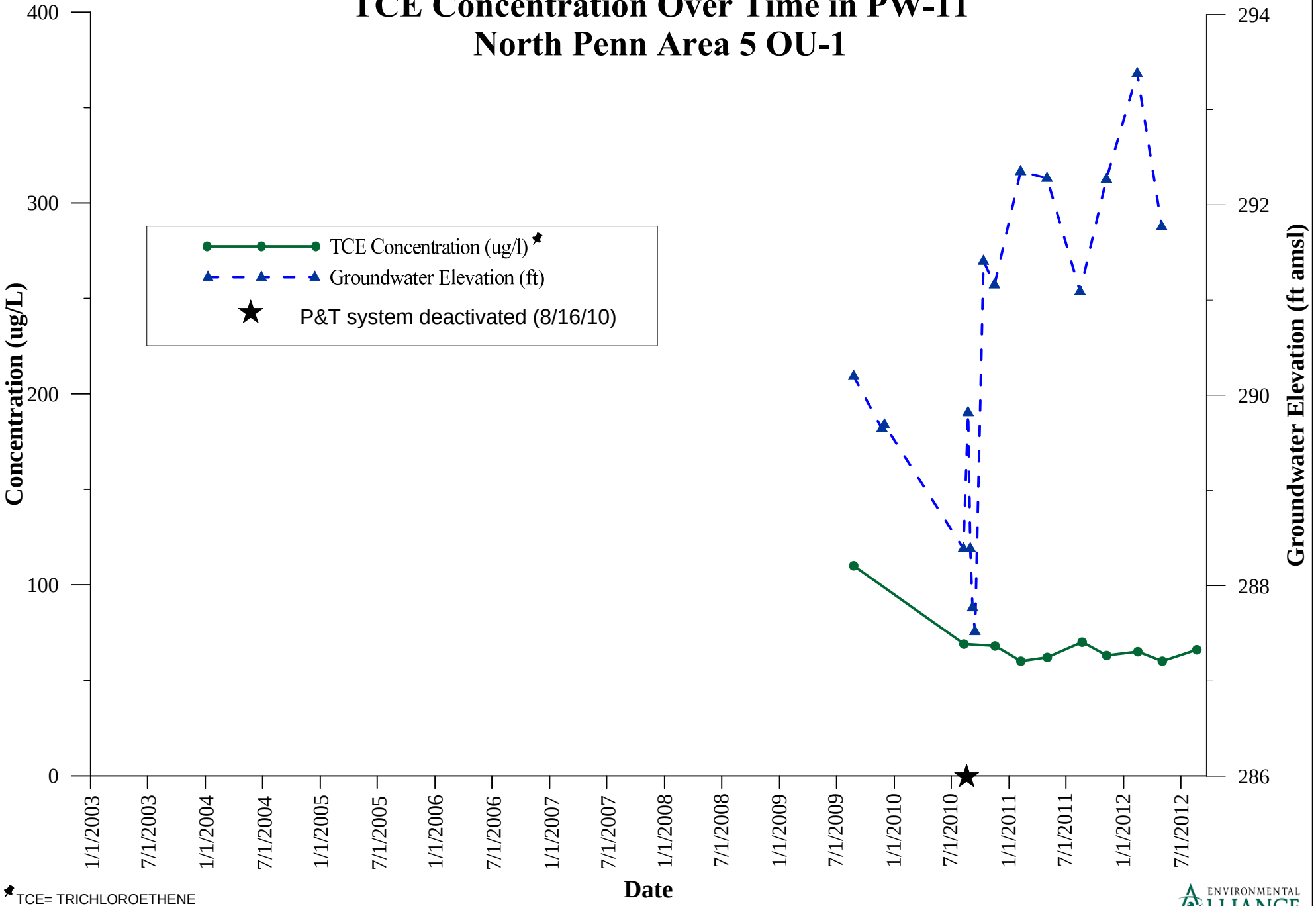


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6O
TCE Concentration Over Time in PW-11
North Penn Area 5 OU-1

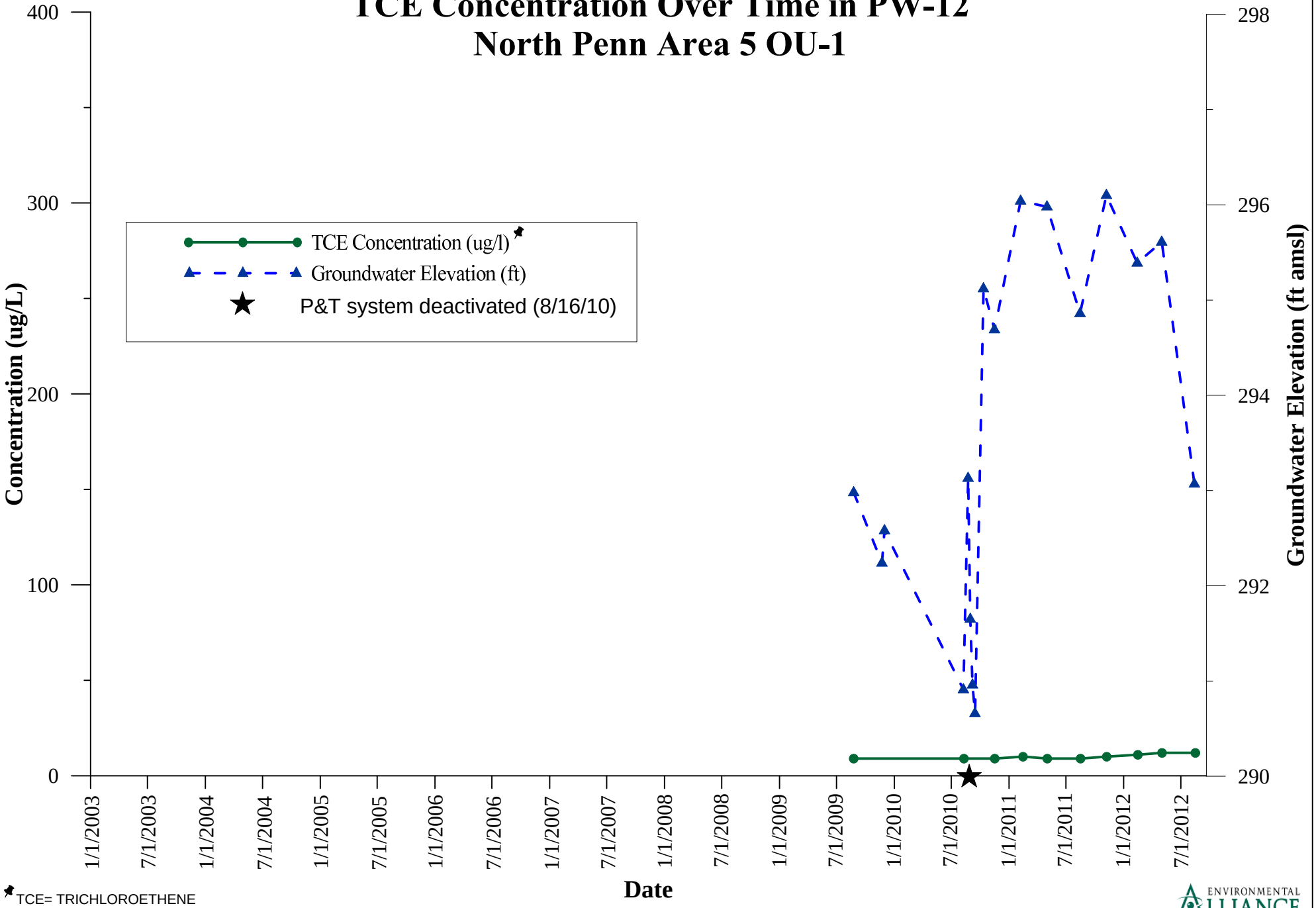


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6P
TCE Concentration Over Time in PW-12
North Penn Area 5 OU-1

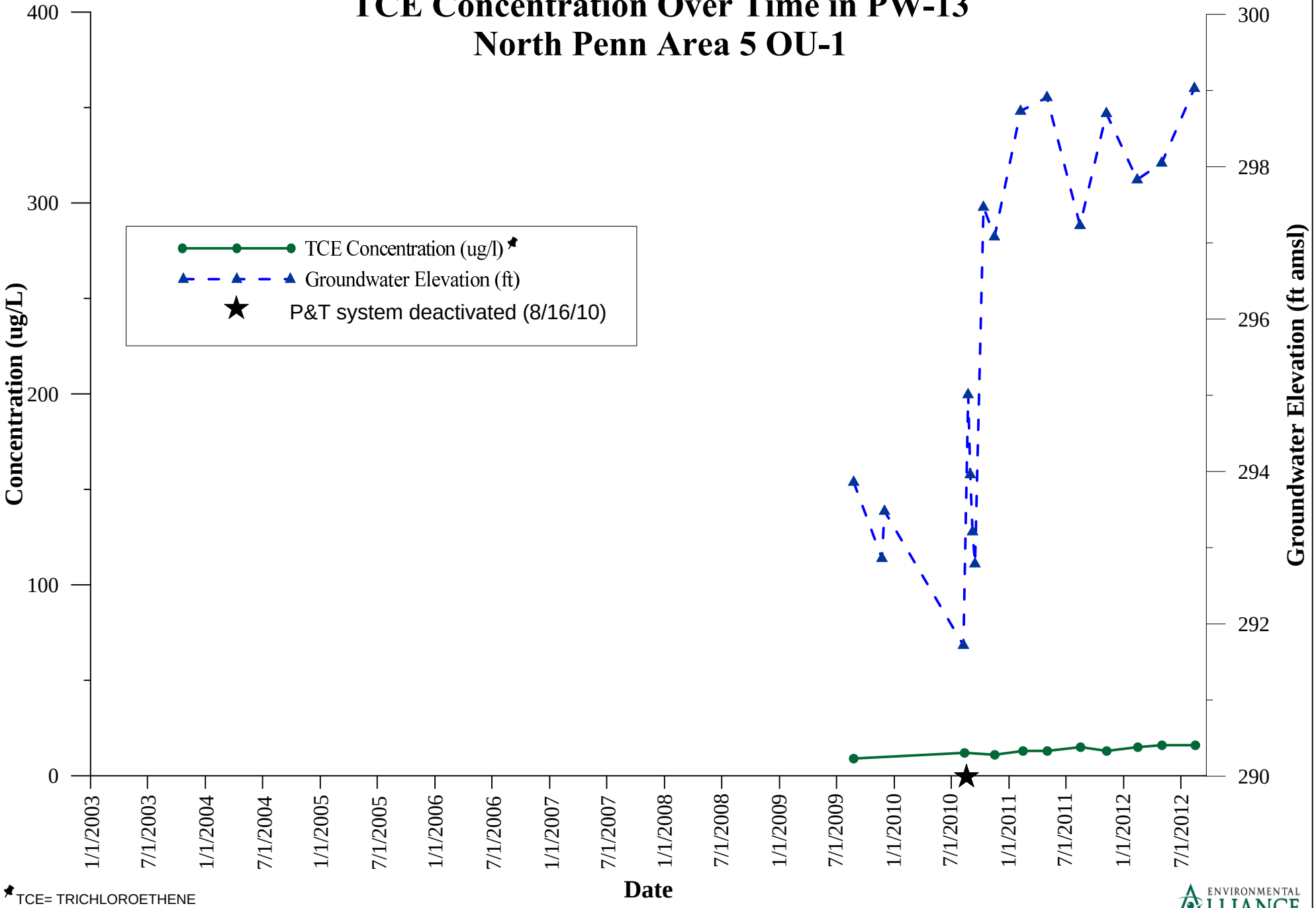


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6Q
TCE Concentration Over Time in PW-13
North Penn Area 5 OU-1

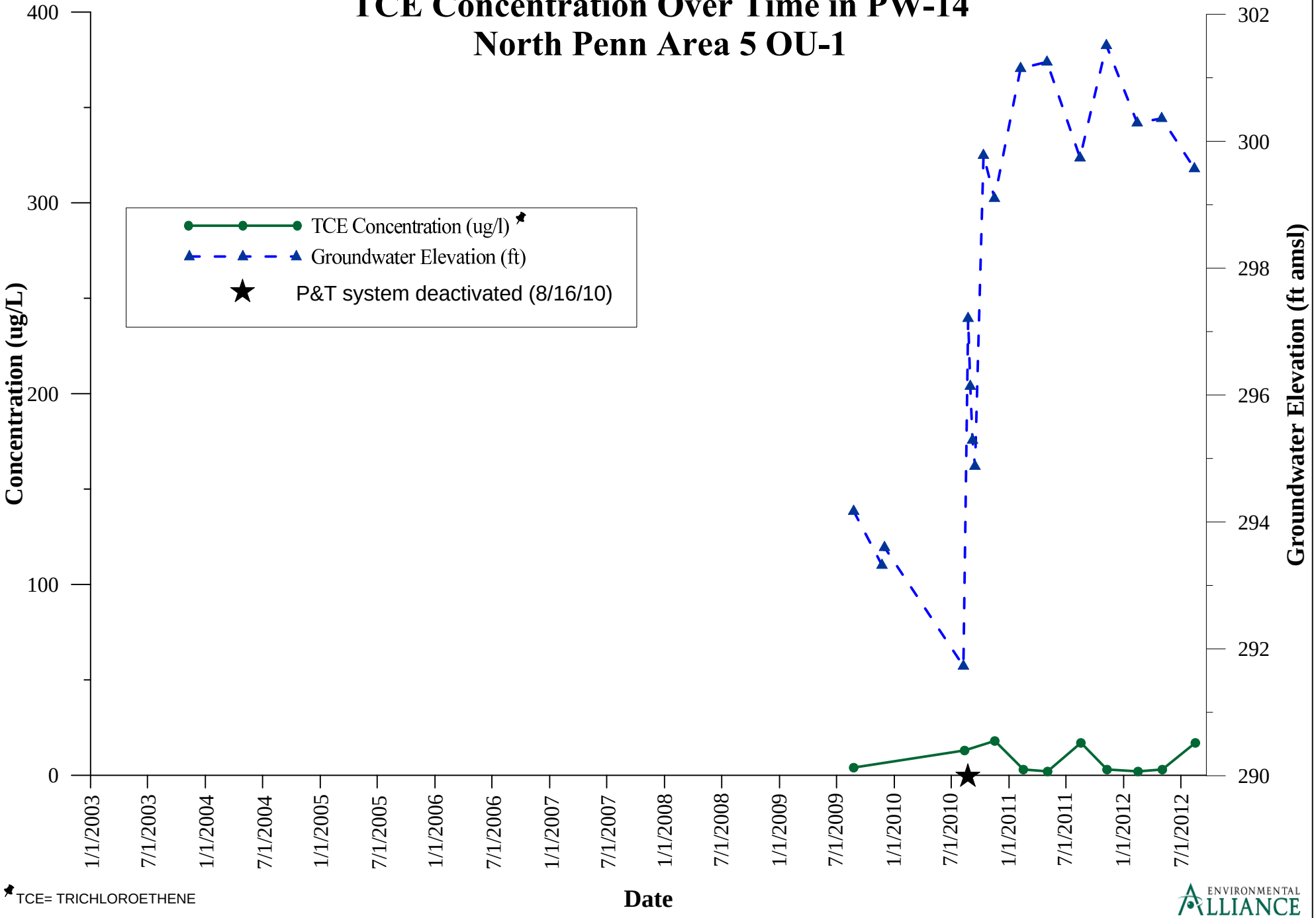


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6R
TCE Concentration Over Time in PW-14
North Penn Area 5 OU-1

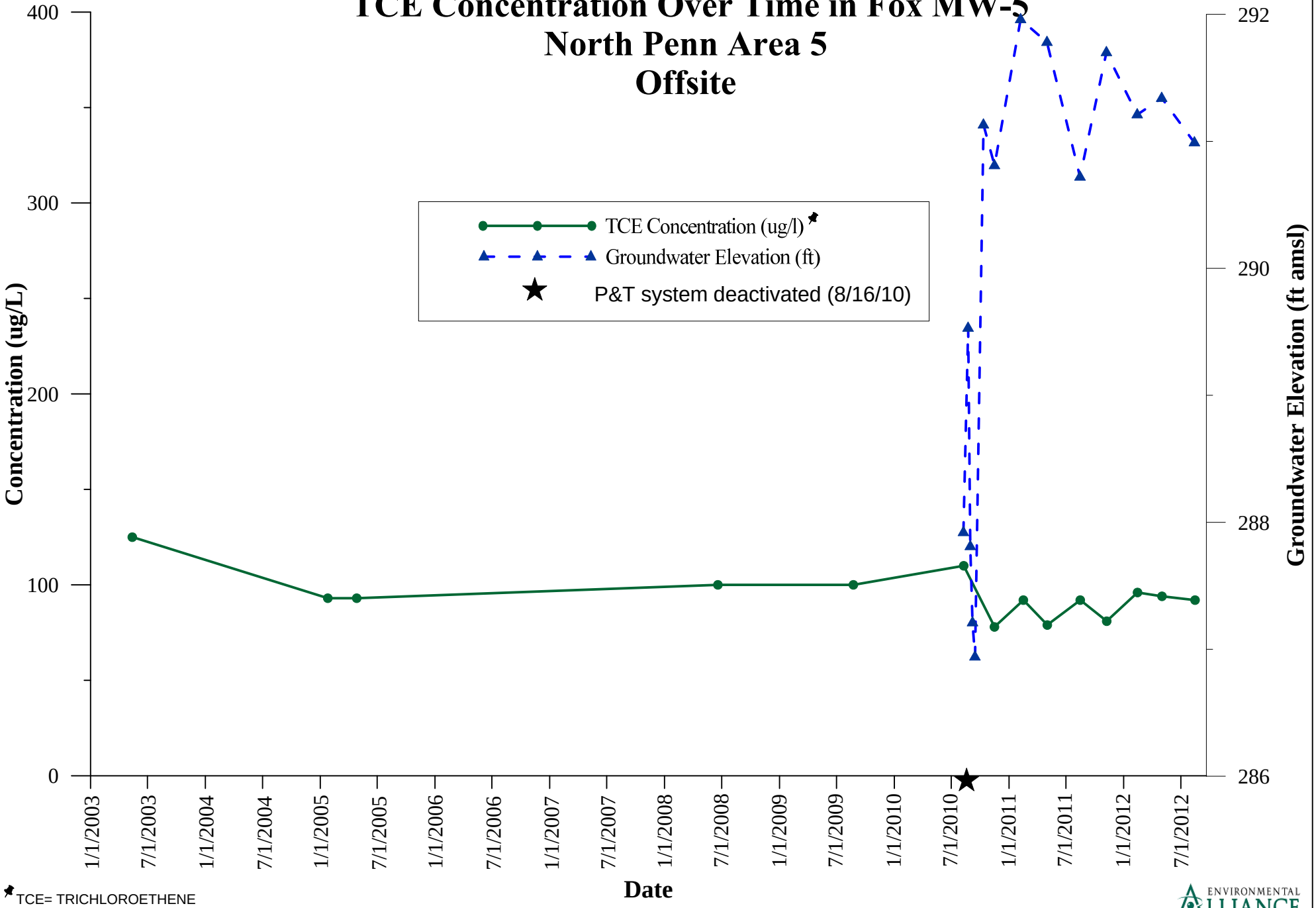


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6S
TCE Concentration Over Time in Fox MW-5
North Penn Area 5
Offsite

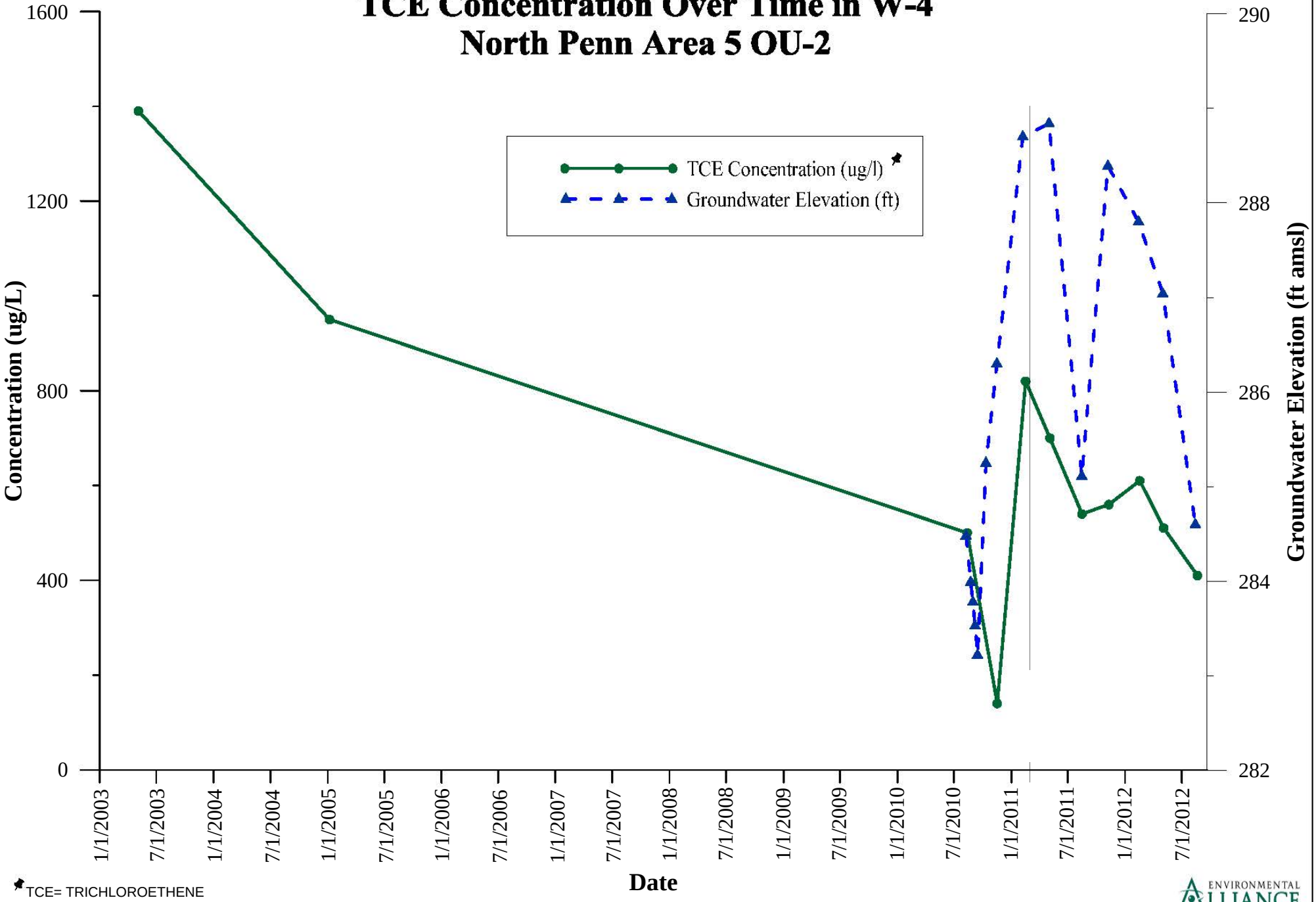


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6T
TCE Concentration Over Time in W-4
North Penn Area 5 OU-2

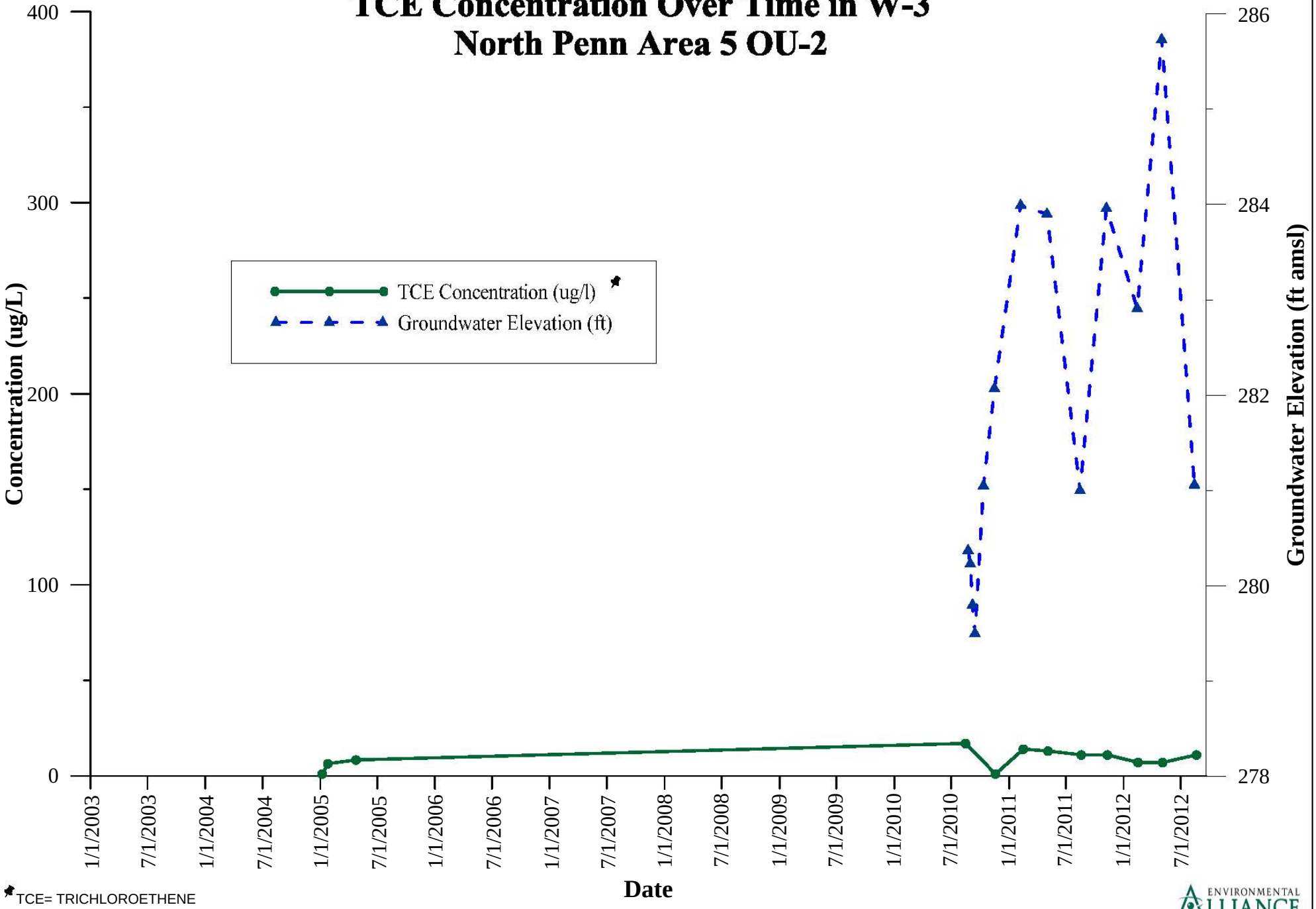


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6U
TCE Concentration Over Time in W-3
North Penn Area 5 OU-2

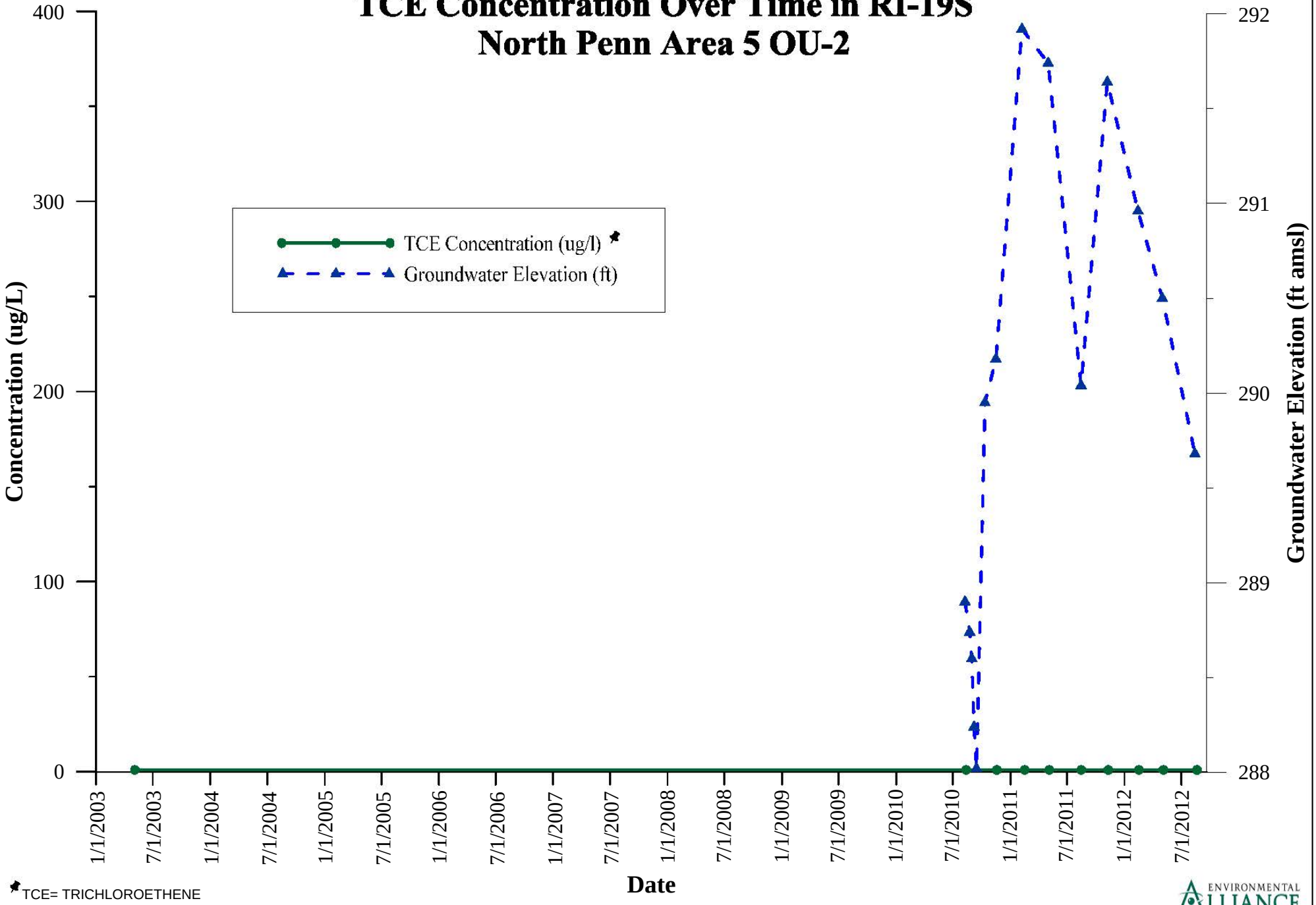


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

Figure 6V
TCE Concentration Over Time in RI-19S
North Penn Area 5 OU-2

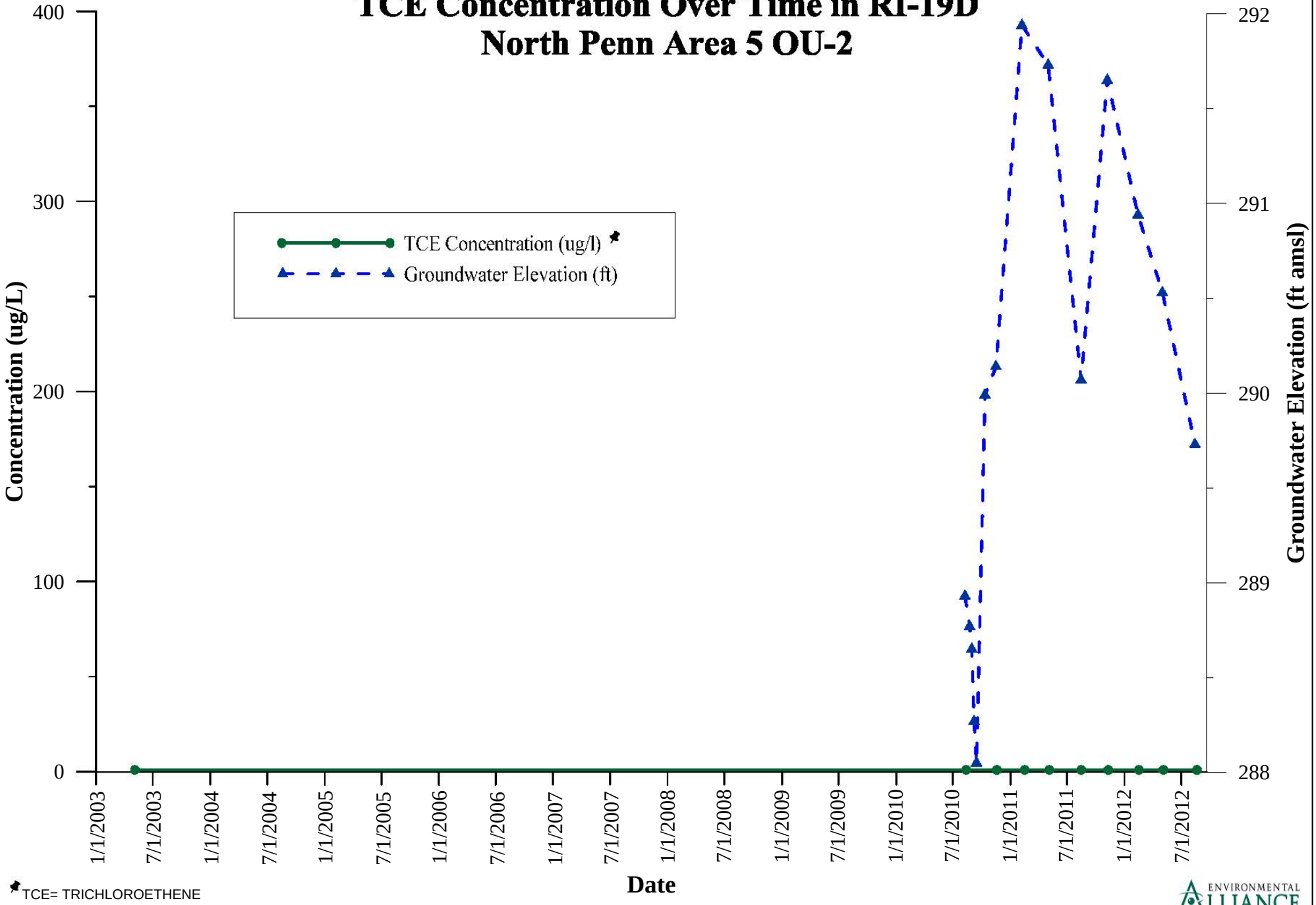


*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE

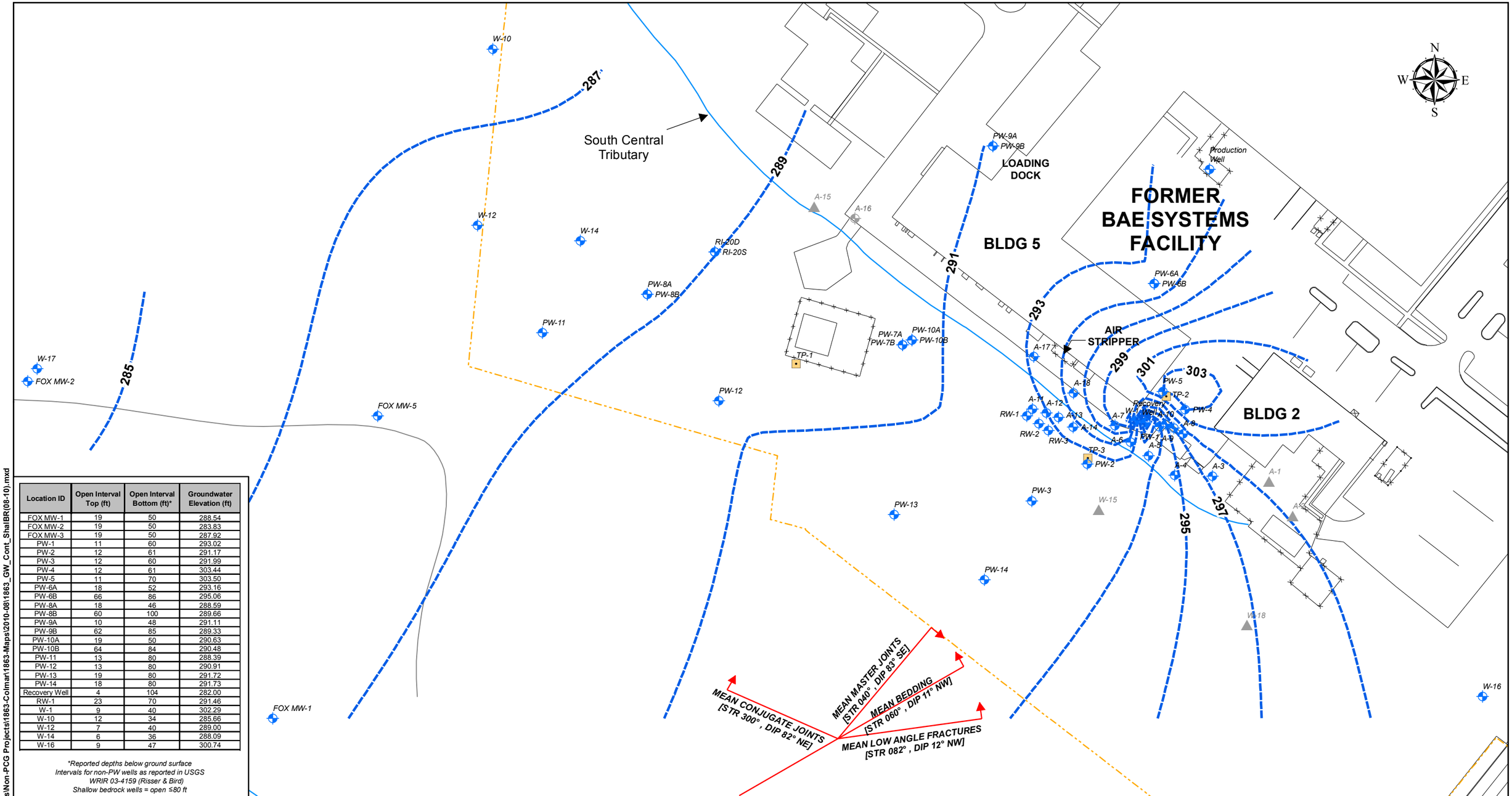
Figure 6W
TCE Concentration Over Time in RI-19D
North Penn Area 5 OU-2



*TCE= TRICHLOROETHENE

J:\EAI_files\1863_North_Penn\Data\Graphs

ENVIRONMENTAL ALLIANCE



Location ID	Open Interval Top (ft)	Open Interval Bottom (ft)*	Groundwater Elevation (ft)
FOX MW-1	19	50	288.54
FOX MW-2	19	50	283.83
FOX MW-3	19	50	287.92
PW-1	11	60	293.02
PW-2	12	61	291.17
PW-3	12	60	291.99
PW-4	12	61	303.44
PW-5	11	70	303.50
PW-6A	18	52	293.16
PW-6B	66	86	295.06
PW-8A	18	46	288.59
PW-8B	60	100	289.66
PW-9A	10	48	291.11
PW-9B	62	85	289.33
PW-10A	19	50	290.63
PW-10B	64	84	290.48
PW-11	13	80	288.39
PW-12	13	80	290.91
PW-13	19	80	291.72
PW-14	18	80	291.73
Recovery Well	4	104	282.00
RW-1	23	70	291.46
W-1	9	40	302.29
W-10	12	34	285.66
W-12	7	40	289.00
W-14	6	36	288.09
W-16	9	47	300.74

*Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open ≤80 ft

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Groundwater Contour (ft)
- Property Line
- Swale
- Stream/Tributary
- Site Road

0 110 220 Feet

Sources:
Modified based on PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey
Mean bedding, low-angle fracture, and high-angle fracture strike and dip from downhole OTV survey (ARM GEOPHYSICS, Feb. 2007)

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-1 (BAE)

GROUNDWATER GRADIENT MAP
FOR SHALLOW BEDROCK WELLS
August 2010 (Pre-P&T System Deactivation)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
JE	LAV	SKJ	7
APPROVED BY:	PROJECT NO.: 1863	DATE: 01/21/13	

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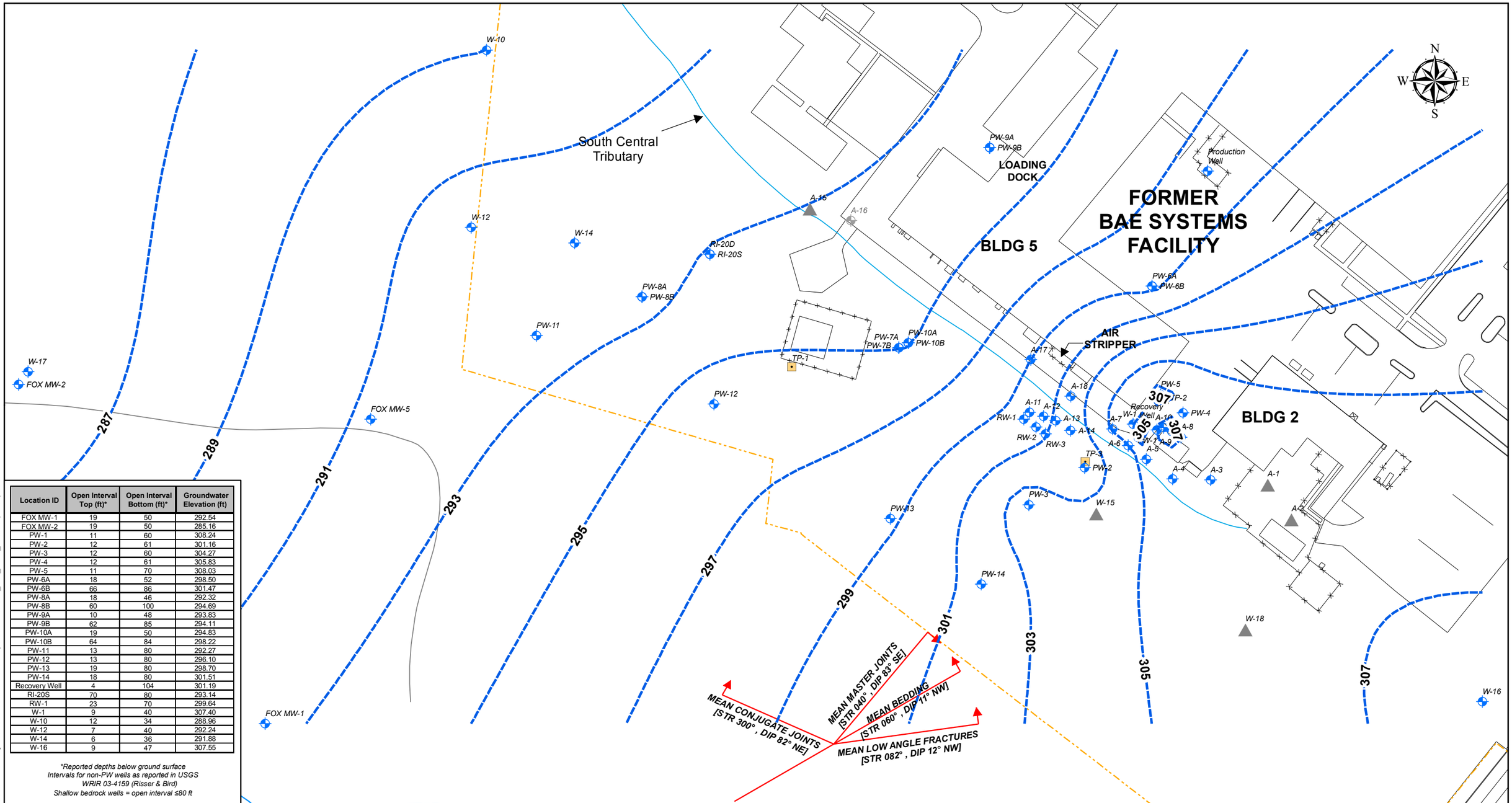

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*	Groundwater Elevation (ft)
FOX MW-1	19	50	292.54
FOX MW-2	19	50	285.16
PW-1	11	60	308.24
PW-2	12	61	301.16
PW-3	12	60	304.27
PW-4	12	61	305.83
PW-5	11	70	308.03
PW-6A	18	52	298.50
PW-6B	66	86	301.47
PW-8A	18	46	292.32
PW-8B	60	100	294.69
PW-9A	10	48	293.83
PW-9B	62	85	294.11
PW-10A	19	50	294.83
PW-10B	64	84	298.22
PW-11	13	80	292.27
PW-12	13	80	296.10
PW-13	19	80	298.70
PW-14	18	80	301.51
Recovery Well	4	104	301.19
RI-20S	70	80	293.14
RW-1	23	70	299.64
W-1	9	40	307.40
W-10	12	34	288.96
W-12	7	40	292.24
W-14	6	36	291.88
W-16	9	47	307.55

*Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocked Well
- Groundwater Contour (ft)
- Property Line
- Swale
- Stream/Tributary
- Site Road

0 110 220 Feet

Sources:
Modified based on PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey
Mean bedding, low-angle fracture, and high-angle fracture strike and dip from downhole OTV survey (ARM GEOPHYSICS, Feb. 2007)

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-1 (BAE)

GROUNDWATER GRADIENT MAP
FOR SHALLOW BEDROCK WELLS
November 2011 (Post-P&T System Deactivation)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
JSE	SKJ	-- --	8
APPROVED BY:	PROJECT NO.: 1863	DATE: 01/21/13	

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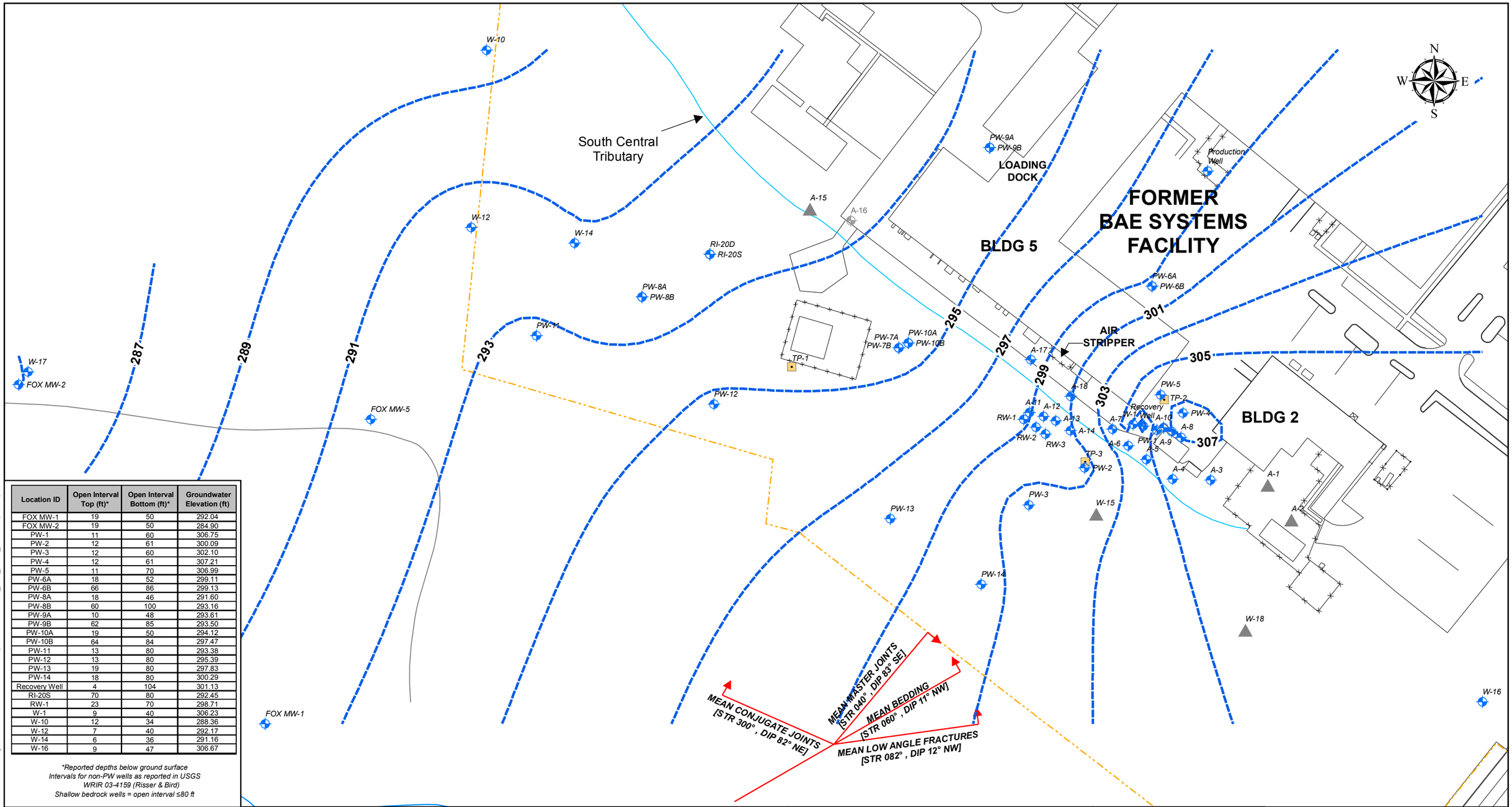

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*	Groundwater Elevation (ft)
FOX MW-1	19	50	292.04
FOX MW-2	19	50	284.90
PW-1	11	60	306.75
PW-2	12	61	300.09
PW-3	12	60	302.10
PW-4	12	61	307.21
PW-5	11	70	306.99
PW-6A	18	52	299.11
PW-6B	66	86	299.13
PW-8A	18	46	291.60
PW-8B	60	100	293.16
PW-9A	10	48	293.61
PW-9B	62	85	293.50
PW-10A	19	50	294.12
PW-10B	64	84	297.47
PW-11	13	80	293.38
PW-12	13	80	295.39
PW-13	19	80	297.83
PW-14	18	80	300.29
Recovery Well	4	104	301.13
RI-20S	70	80	292.45
RW-1	23	70	298.71
W-1	9	40	306.23
W-10	12	34	288.36
W-12	7	40	292.17
W-14	6	36	291.16
W-16	9	47	306.67

*Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Groundwater Contour (ft)
- Property Line
- Swale
- Stream/Tributary
- Site Road

0 110 220 Feet

Sources:
Modified based on PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey
Mean bedding, low-angle fracture, and high-angle fracture strike and dip from downhole OTV survey (ARM GEOPHYSICS, Feb. 2007)

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-1 (BAE)

GROUNDWATER GRADIENT MAP
FOR SHALLOW BEDROCK WELLS
February 2012 (Post-P&T System Deactivation)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
JSE	SKJ	-- --	9
APPROVED BY:	PROJECT NO.: 1863	DATE: 01/21/13	

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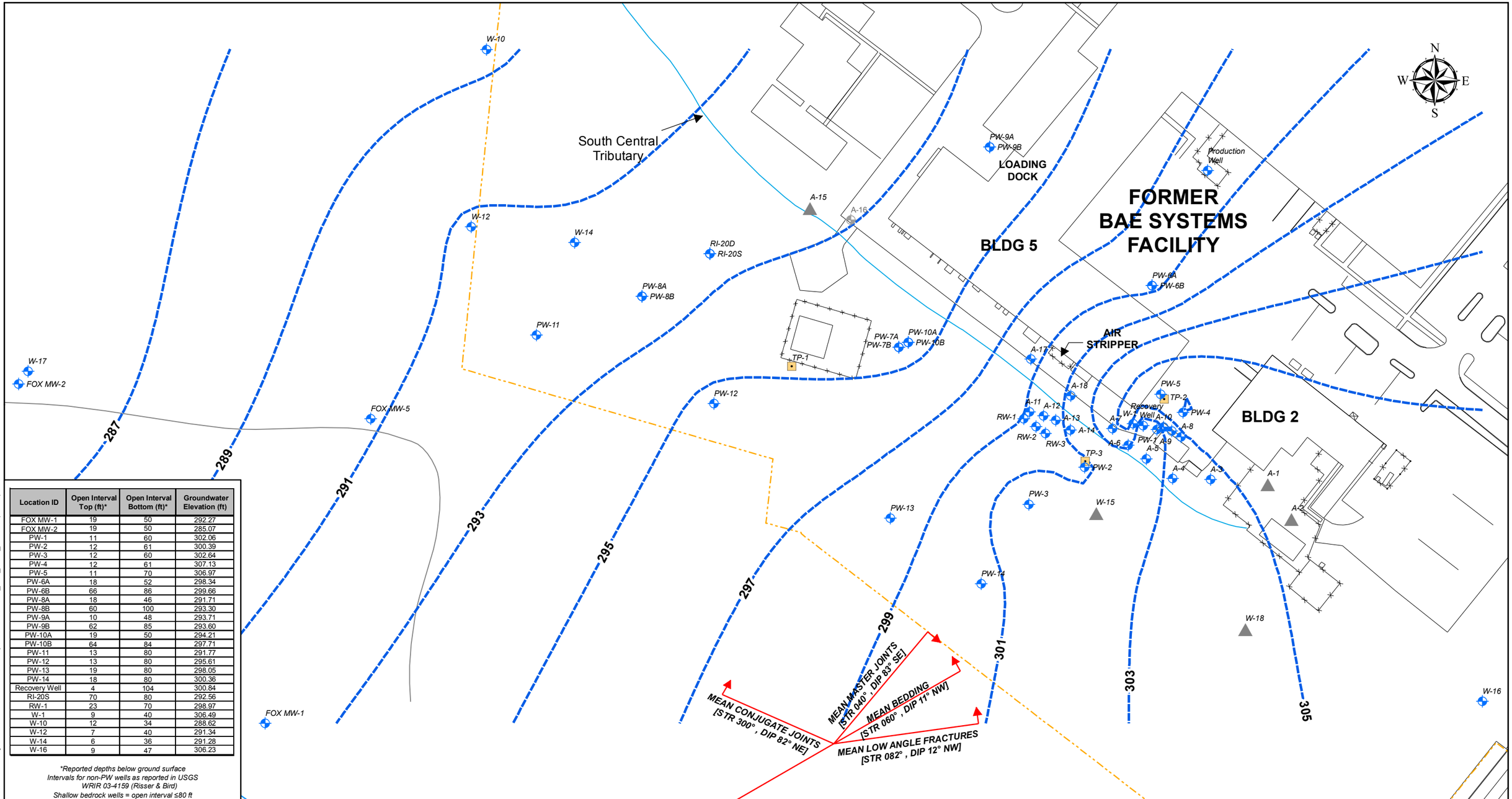

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*	Groundwater Elevation (ft)
FOX MW-1	19	50	292.27
FOX MW-2	19	50	285.07
PW-1	11	60	302.06
PW-2	12	61	300.39
PW-3	12	60	302.64
PW-4	12	61	307.13
PW-5	11	70	306.97
PW-6A	18	52	298.34
PW-6B	66	86	299.66
PW-8A	18	46	291.71
PW-8B	60	100	293.30
PW-9A	10	48	293.71
PW-9B	62	85	293.60
PW-10A	19	50	294.21
PW-10B	64	84	297.71
PW-11	13	80	291.77
PW-12	13	80	295.61
PW-13	19	80	298.05
PW-14	18	80	300.36
Recovery Well	4	104	300.84
RI-20S	70	80	292.56
RW-1	23	70	298.97
W-1	9	40	306.49
W-10	12	34	288.62
W-12	7	40	291.34
W-14	6	36	291.28
W-16	9	47	306.23

*Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Groundwater Contours (ft)
- Property Line
- Swale
- Stream/Tributary
- Site Road

0 110 220 Feet

Sources:
Modified based on PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey
Mean bedding, low-angle fracture, and high-angle fracture strike and dip from downhole OTV survey (ARM GEOPHYSICS, Feb. 2007)

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-1 (BAE)

GROUNDWATER GRADIENT MAP
FOR SHALLOW BEDROCK WELLS
May 2012 (Post-P&T System Deactivation)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
JSE	SKJ	-- --	10
APPROVED BY:	PROJECT NO.: 1863	DATE: 01/21/13	

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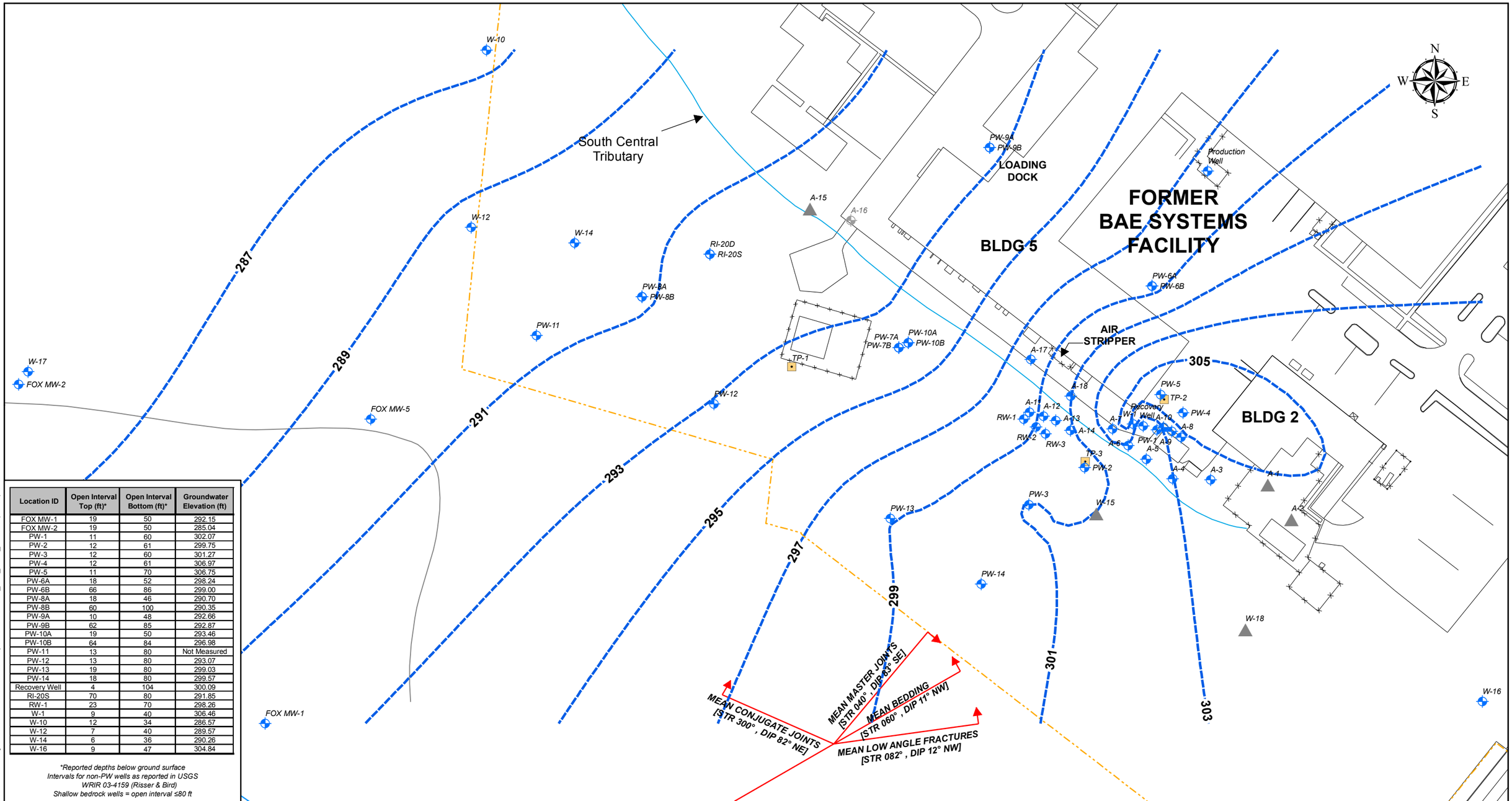

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*	Groundwater Elevation (ft)
FOX MW-1	19	50	292.15
FOX MW-2	19	50	285.04
PW-1	11	60	302.07
PW-2	12	61	299.75
PW-3	12	60	301.27
PW-4	12	61	306.97
PW-5	11	70	306.75
PW-6A	18	52	298.24
PW-6B	66	86	299.00
PW-8A	18	46	290.70
PW-8B	60	100	290.35
PW-9A	10	48	292.66
PW-9B	62	85	292.87
PW-10A	19	50	293.46
PW-10B	64	84	296.98
PW-11	13	80	Not Measured
PW-12	13	80	293.07
PW-13	19	80	299.03
PW-14	18	80	299.57
Recovery Well	4	104	300.09
RI-20S	70	80	291.85
RW-1	23	70	298.26
W-1	9	40	306.46
W-10	12	34	286.57
W-12	7	40	289.57
W-14	6	36	290.26
W-16	9	47	304.84

*Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Groundwater Contour (ft)
- Property Line
- Swale
- Stream/Tributary
- Site Road

0 110 220 Feet

Sources:
Modified based on PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey
Mean bedding, low-angle fracture, and high-angle fracture strike and dip from downhole OTV survey (ARM GEOPHYSICS, Feb. 2007)

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS AND MONTGOMERY COUNTIES, PA
OU-1 (BAE)

GROUNDWATER GRADIENT MAP
FOR SHALLOW BEDROCK WELLS
August 2012 (Post-P&T System Deactivation)

DESIGNED BY:	DRAWN BY:	UPDATED BY:	FIGURE NO.:
JSE	SKJ	-- --	11
APPROVED BY:	PROJECT NO.: 1863	DATE: 01/21/13	

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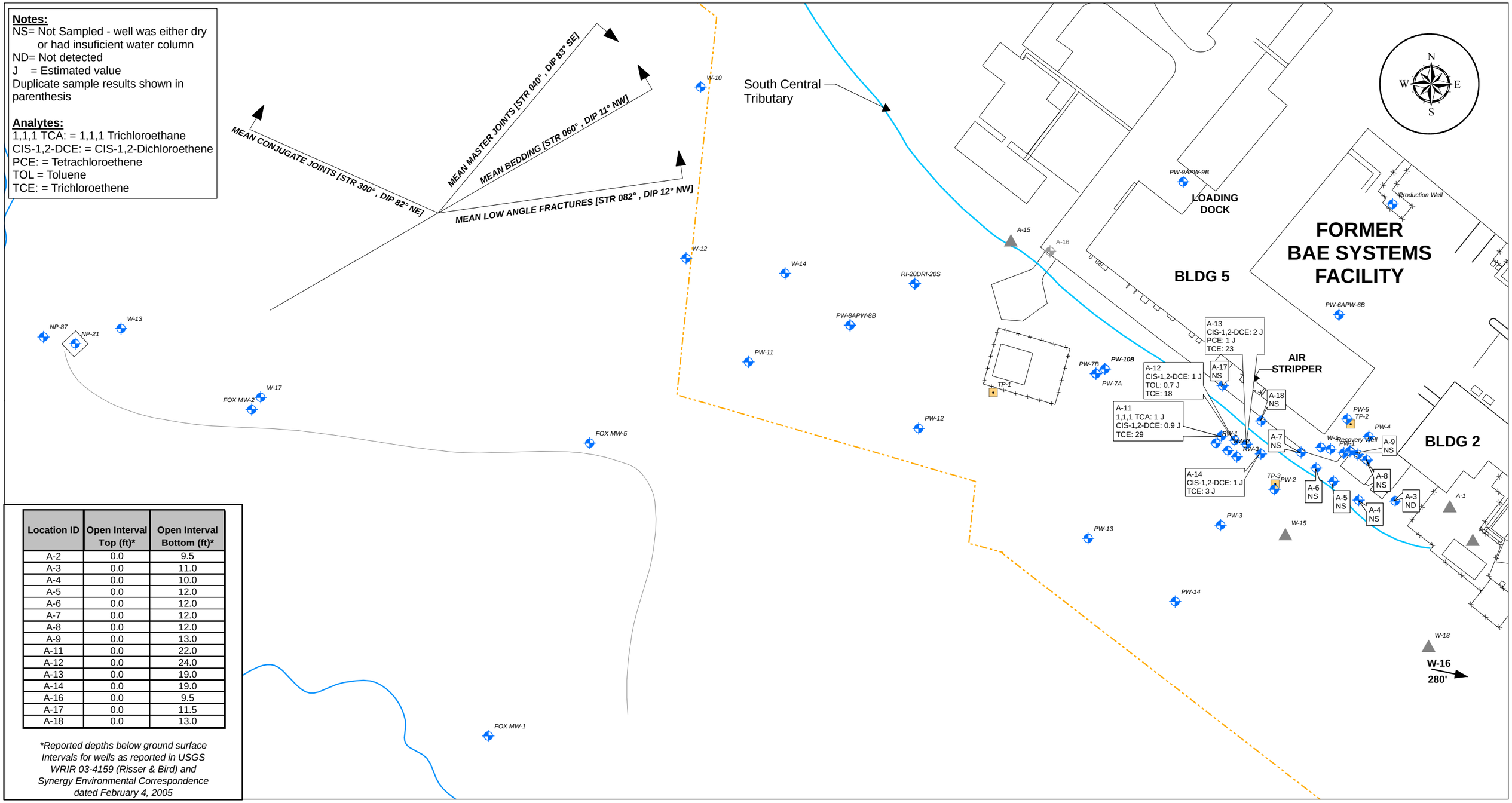
Notes:
NS= Not Sampled - well was either dry or had insuficient water column
ND= Not detected
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
1,1,1 TCA: = 1,1,1 Trichloroethane
CIS-1,2-DCE: = CIS-1,2-Dichloroethene
PCE: = Tetrachloroethene
TOL = Toluene
TCE: = Trichloroethene



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
A-2	0.0	9.5
A-3	0.0	11.0
A-4	0.0	10.0
A-5	0.0	12.0
A-6	0.0	12.0
A-7	0.0	12.0
A-8	0.0	12.0
A-9	0.0	13.0
A-11	0.0	22.0
A-12	0.0	24.0
A-13	0.0	19.0
A-14	0.0	19.0
A-16	0.0	9.5
A-17	0.0	11.5
A-18	0.0	13.0

**Reported depths below ground surface*
Intervals for wells as reported in USGS WRIR 03-4159 (Risser & Bird) and Synergy Environmental Correspondence dated February 4, 2005

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) ACTIVE DURING DATA COLLECTION.

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Property Line
- Swale
- Stream/Tributary
- Site Road

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

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

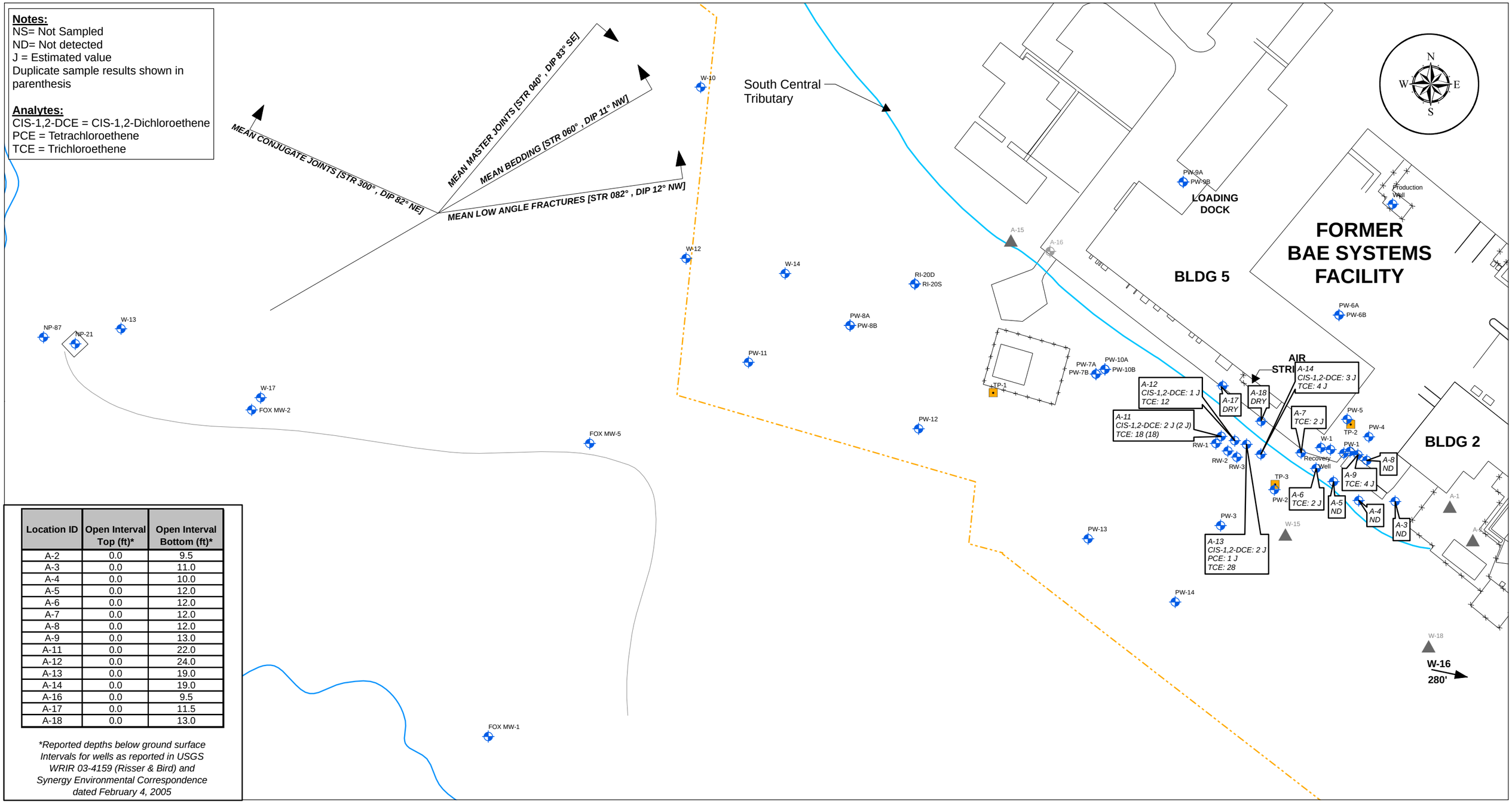
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs, A-Series Wells (Regolith)
August 2010 (Pre-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 09/01/2010	UPDATED BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_Aseries (Aug 2010).mxd	PROJECT NO: 1863	12

Notes:
NS= Not Sampled
ND= Not detected
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
CIS-1,2-DCE = CIS-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
A-2	0.0	9.5
A-3	0.0	11.0
A-4	0.0	10.0
A-5	0.0	12.0
A-6	0.0	12.0
A-7	0.0	12.0
A-8	0.0	12.0
A-9	0.0	13.0
A-11	0.0	22.0
A-12	0.0	24.0
A-13	0.0	19.0
A-14	0.0	19.0
A-16	0.0	9.5
A-17	0.0	11.5
A-18	0.0	13.0

**Reported depths below ground surface Intervals for wells as reported in USGS WRIR 03-4159 (Risser & Bird) and Synergy Environmental Correspondence dated February 4, 2005*

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) ACTIVE DURING DATA COLLECTION.

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Property Line
- Swale
- Stream/Tributary
- Site Road

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

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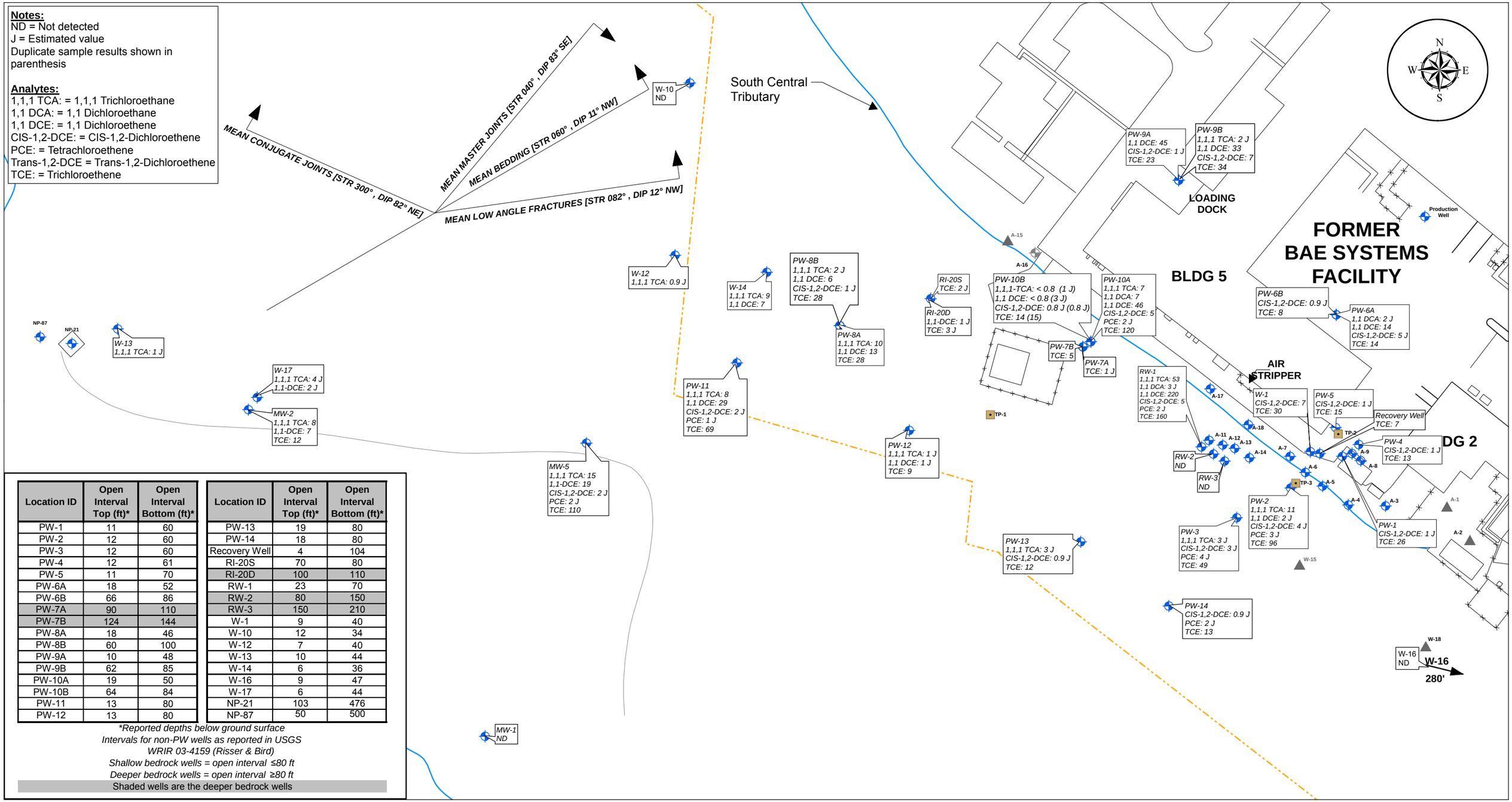
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs, A-Series Wells (Regolith)
August 2012 (Post-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 01/21/13	UPDATED BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_Aseries (Aug 2012).mxd	PROJECT NO: 1863	13

Notes:
ND = Not detected
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
1,1,1 TCA: = 1,1,1 Trichloroethane
1,1 DCA: = 1,1 Dichloroethane
1,1 DCE: = 1,1 Dichloroethene
CIS-1,2-DCE: = CIS-1,2-Dichloroethene
PCE: = Tetrachloroethene
Trans-1,2-DCE = Trans-1,2-Dichloroethene
TCE: = Trichloroethene



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*	Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-1	11	60	PW-13	19	80
PW-2	12	60	PW-14	18	80
PW-3	12	60	Recovery Well	4	104
PW-4	12	61	RI-20S	70	80
PW-5	11	70	RI-20D	100	110
PW-6A	18	52	RW-1	23	70
PW-6B	66	86	RW-2	80	150
PW-7A	90	110	RW-3	150	210
PW-7B	124	144	W-1	9	40
PW-8A	18	46	W-10	12	34
PW-8B	60	100	W-12	7	40
PW-9A	10	48	W-13	10	44
PW-9B	62	85	W-14	6	36
PW-10A	19	50	W-16	9	47
PW-10B	64	84	W-17	6	44
PW-11	13	80	NP-21	103	476
PW-12	13	80	NP-87	50	500

**Reported depths below ground surface*
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft
Deeper bedrock wells = open interval ≥80 ft
Shaded wells are the deeper bedrock wells

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) ACTIVE DURING DATA COLLECTION.

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Property Line
- Swale
- Stream/Tributary
- Site Road

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
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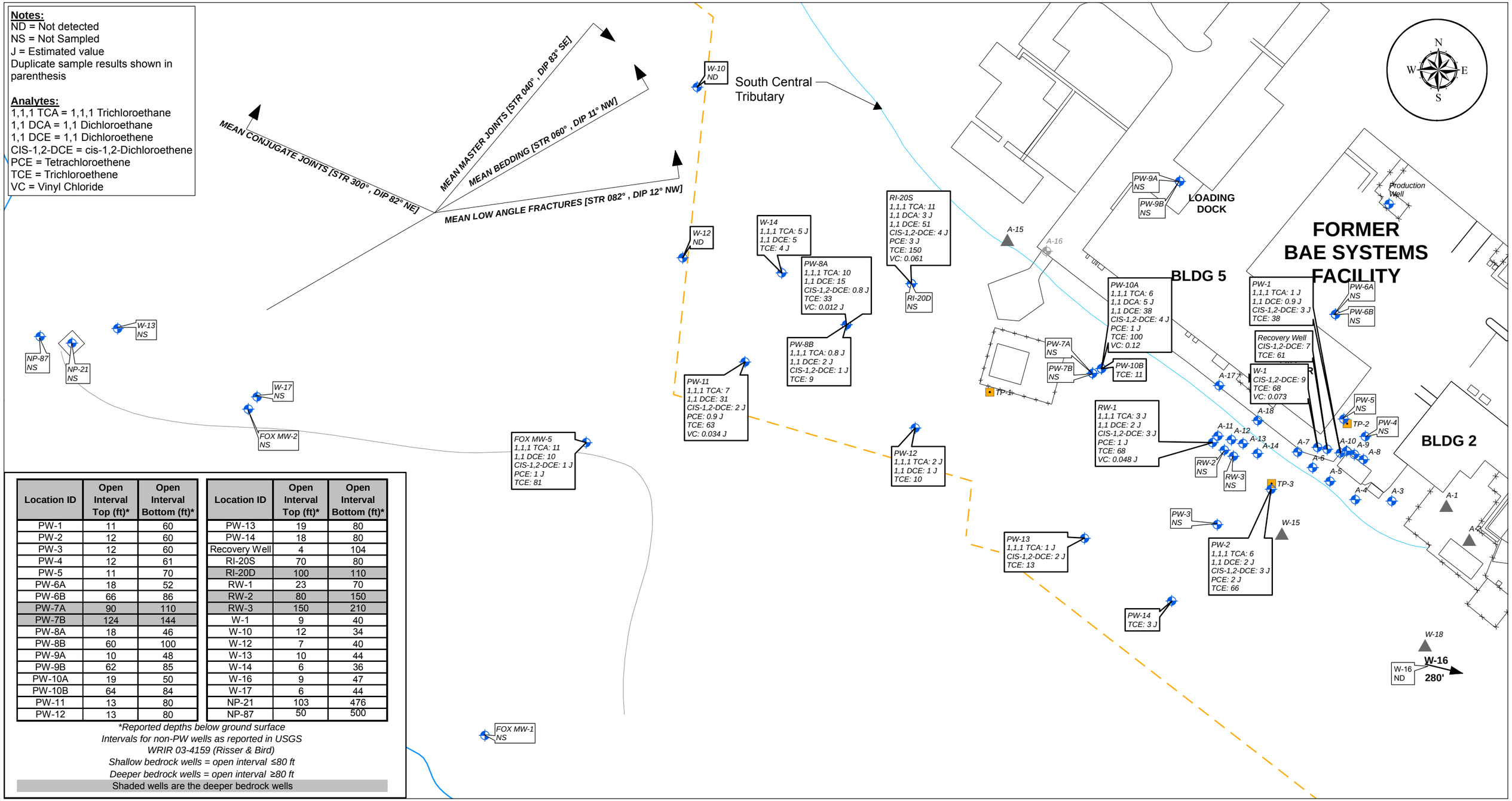
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs - Bedrock Wells
August 2010 (Pre-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 09/01/2010	UPDATE BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_SHBR_DeepBR-Aug2010.mxd	PROJECT NO: 1863	14

Notes:
ND = Not detected
NS = Not Sampled
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
1,1,1 TCA = 1,1,1 Trichloroethane
1,1 DCA = 1,1 Dichloroethane
1,1 DCE = 1,1 Dichloroethene
CIS-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-1	11	60
PW-2	12	60
PW-3	12	60
PW-4	12	61
PW-5	11	70
PW-6A	18	52
PW-6B	66	86
PW-7A	90	110
PW-7B	124	144
PW-8A	18	46
PW-8B	60	100
PW-9A	10	48
PW-9B	62	85
PW-10A	19	50
PW-10B	64	84
PW-11	13	80
PW-12	13	80

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-13	19	80
PW-14	18	80
Recovery Well	4	104
RI-20S	70	80
RI-20D	100	110
RW-1	23	70
RW-2	80	150
RW-3	150	210
W-1	9	40
W-10	12	34
W-12	7	40
W-13	10	44
W-14	6	36
W-16	9	47
W-17	6	44
NP-21	103	476
NP-87	50	500

**Reported depths below ground surface*
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft
Deeper bedrock wells = open interval ≥80 ft
Shaded wells are the deeper bedrock wells

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) INACTIVE DURING DATA COLLECTION.

Legend

- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Swale
- Stream/Tributary
- Site Road
- Property Line

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

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

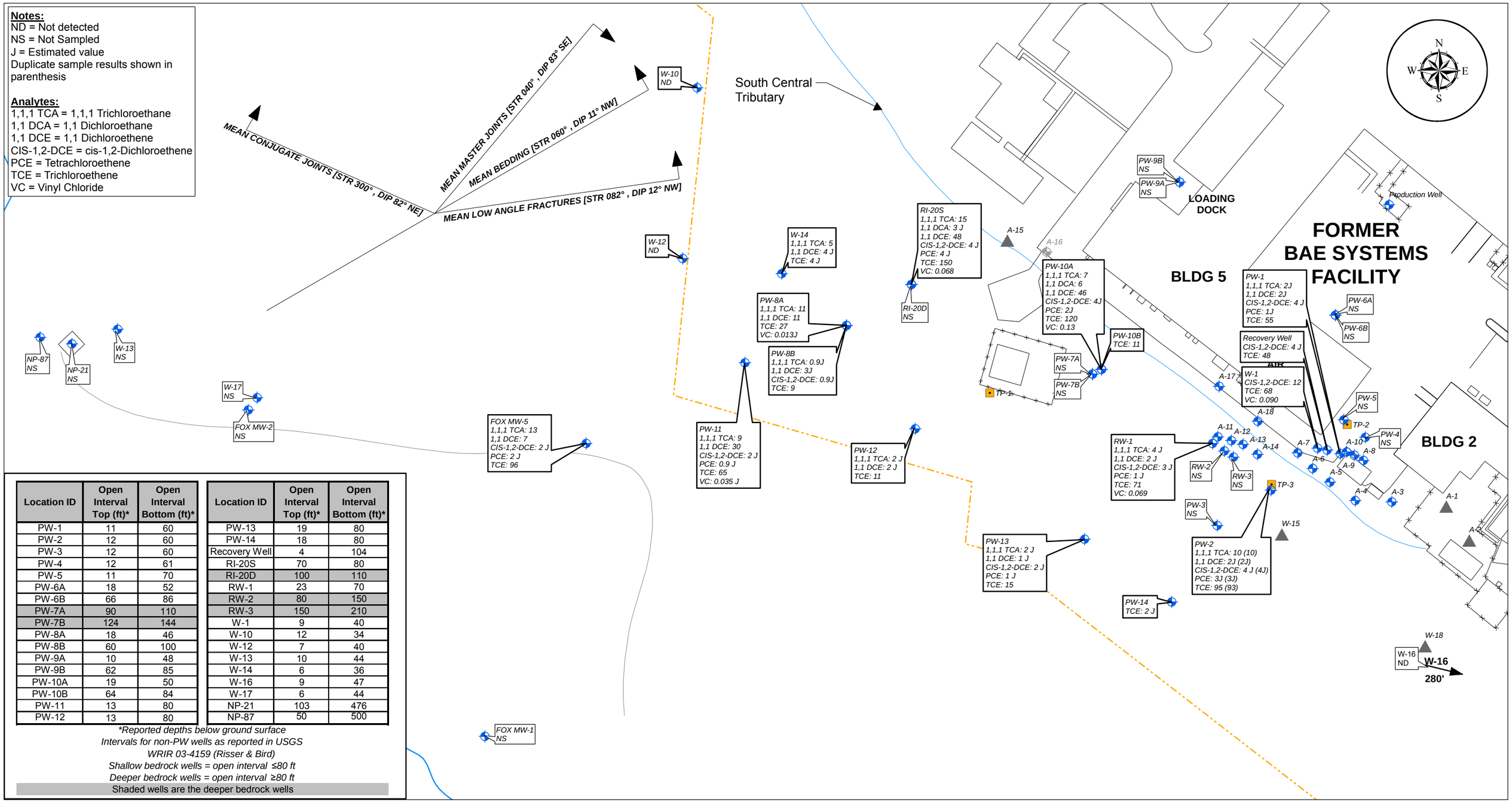
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs - Bedrock Wells
November 2011 (Post-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 01/21/13	UPDATE BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_SHBR_DeepBR-11-2011.mxd	PROJECT NO: 1863	15

Notes:
ND = Not detected
NS = Not Sampled
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
1,1,1 TCA = 1,1,1 Trichloroethane
1,1 DCA = 1,1 Dichloroethane
1,1 DCE = 1,1 Dichloroethene
CIS-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-1	11	60
PW-2	12	60
PW-3	12	60
PW-4	12	61
PW-5	11	70
PW-6A	18	52
PW-6B	66	86
PW-7A	90	110
PW-7B	124	144
PW-8A	18	46
PW-8B	60	100
PW-9A	10	48
PW-9B	62	85
PW-10A	19	50
PW-10B	64	84
PW-11	13	80
PW-12	13	80

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-13	19	80
PW-14	18	80
Recovery Well	4	104
RI-20S	70	80
RI-20D	100	110
RW-1	23	70
RW-2	80	150
RW-3	150	210
W-1	9	40
W-10	12	34
W-12	7	40
W-13	10	44
W-14	6	36
W-16	9	47
W-17	6	44
NP-21	103	476
NP-87	50	500

**Reported depths below ground surface*
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft
Deeper bedrock wells = open interval ≥80 ft
Shaded wells are the deeper bedrock wells

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) INACTIVE DURING DATA COLLECTION.

Legend
- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Swale
- Stream/Tributary
- Site Road
- Property Line

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

Environmental Alliance, Inc.
5341 Limestone Road, Wilmington, DE 19808
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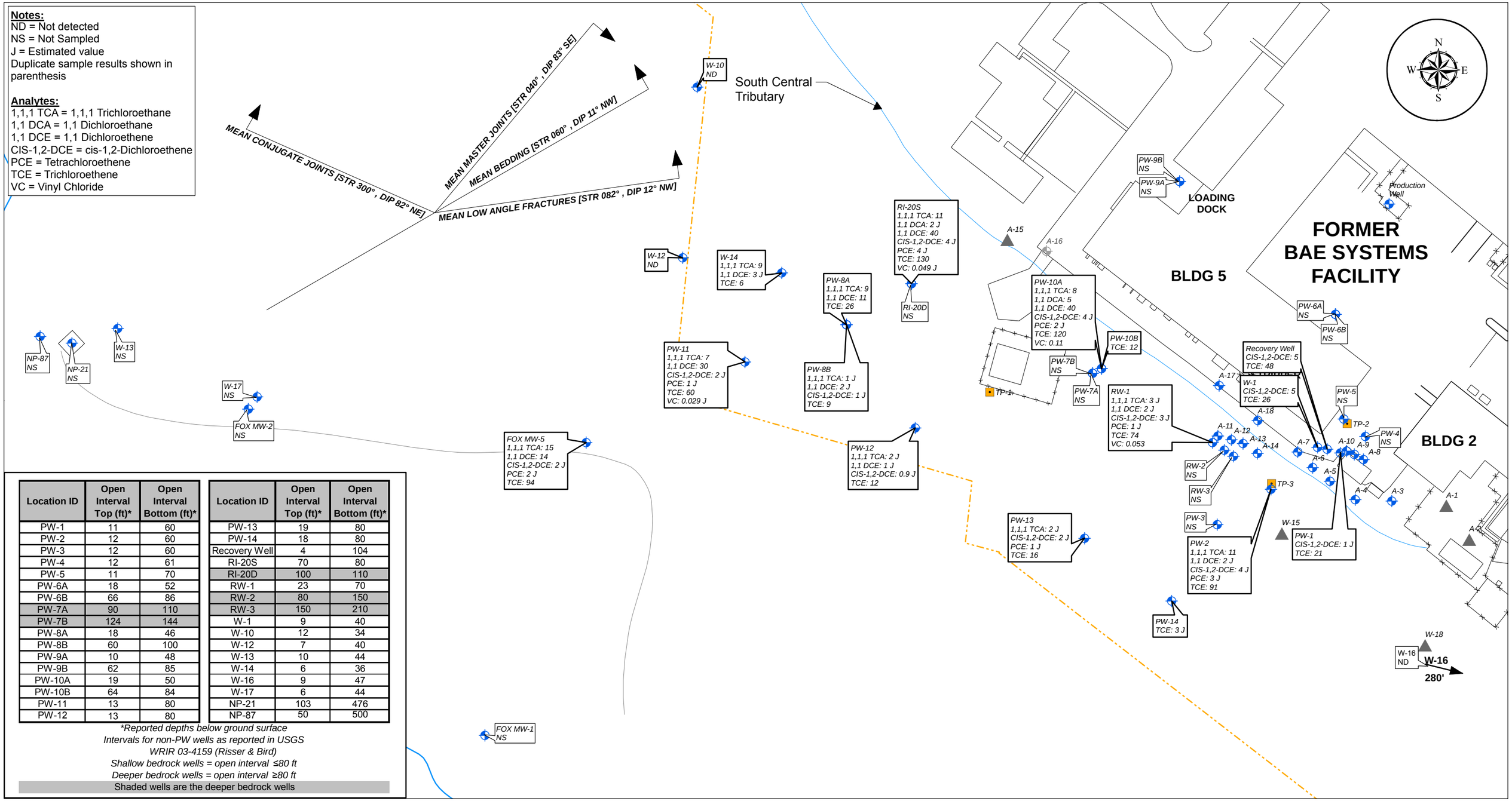
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs - Bedrock Wells
February 2012 (Post-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 01/21/13	UPDATE BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_SHBR_DeepBR-02-2012.mxd	PROJECT NO: 1863	16

Notes:
ND = Not detected
NS = Not Sampled
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
1,1,1 TCA = 1,1,1 Trichloroethane
1,1 DCA = 1,1 Dichloroethane
1,1 DCE = 1,1 Dichloroethene
CIS-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-1	11	60
PW-2	12	60
PW-3	12	60
PW-4	12	61
PW-5	11	70
PW-6A	18	52
PW-6B	66	86
PW-7A	90	110
PW-7B	124	144
PW-8A	18	46
PW-8B	60	100
PW-9A	10	48
PW-9B	62	85
PW-10A	19	50
PW-10B	64	84
PW-11	13	80
PW-12	13	80

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-13	19	80
PW-14	18	80
Recovery Well	4	104
RI-20S	70	80
RI-20D	100	110
RW-1	23	70
RW-2	80	150
RW-3	150	210
W-1	9	40
W-10	12	34
W-12	7	40
W-13	10	44
W-14	6	36
W-16	9	47
W-17	6	44
NP-21	103	476
NP-87	50	500

**Reported depths below ground surface*
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft
Deeper bedrock wells = open interval ≥80 ft
Shaded wells are the deeper bedrock wells

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) INACTIVE DURING DATA COLLECTION.

Legend
- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Swale
- Stream/Tributary
- Site Road
- Property Line

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

Environmental Alliance, Inc.
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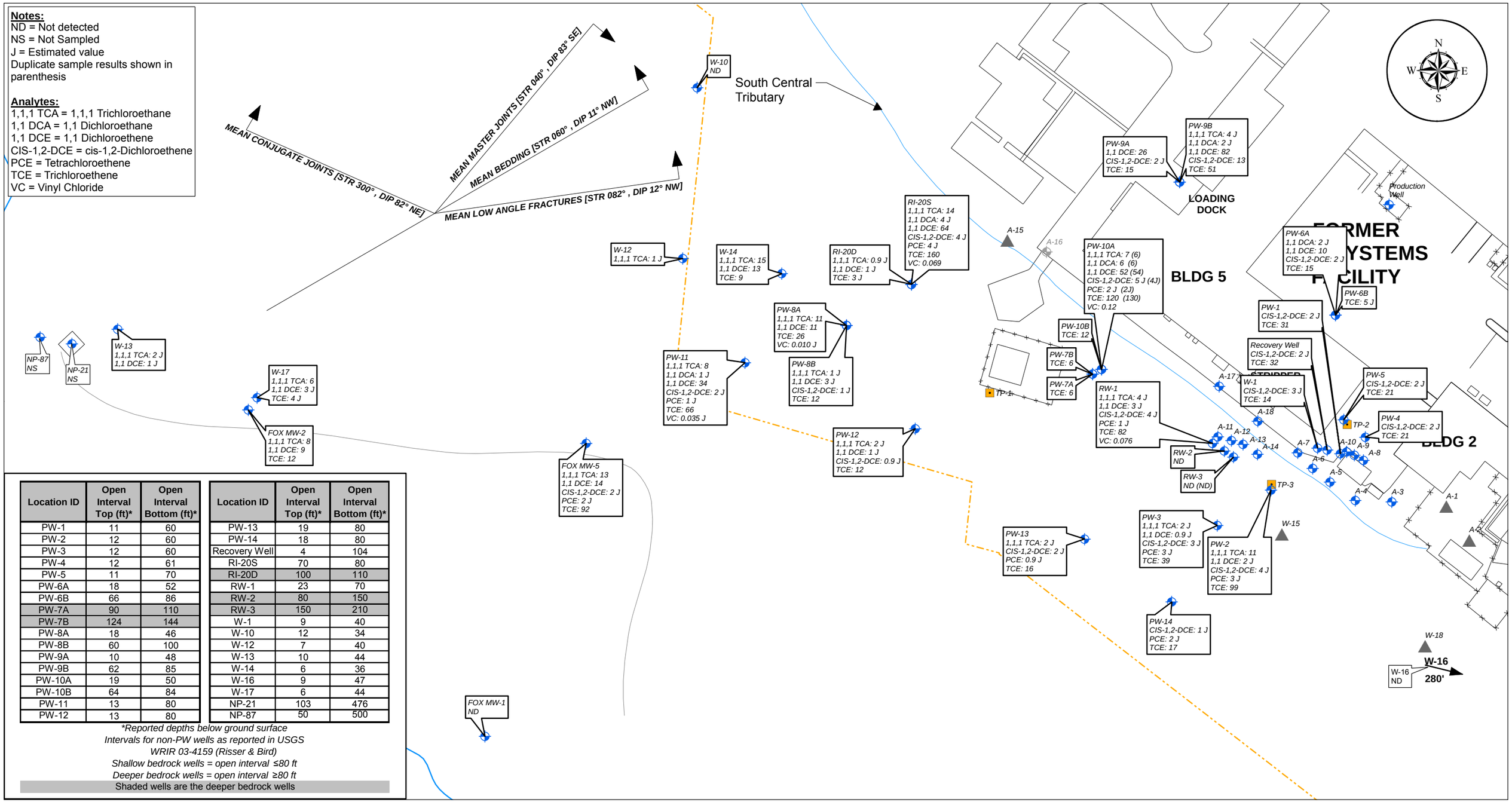
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs - Bedrock Wells
May 2012 (Post-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 01/21/13	UPDATE BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_SHBR_DeepBR-05-2012.mxd	PROJECT NO: 1863	17

Notes:
ND = Not detected
NS = Not Sampled
J = Estimated value
Duplicate sample results shown in parenthesis

Analytes:
1,1,1 TCA = 1,1,1 Trichloroethane
1,1 DCA = 1,1 Dichloroethane
1,1 DCE = 1,1 Dichloroethene
CIS-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride



Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-1	11	60
PW-2	12	60
PW-3	12	60
PW-4	12	61
PW-5	11	70
PW-6A	18	52
PW-6B	66	86
PW-7A	90	110
PW-7B	124	144
PW-8A	18	46
PW-8B	60	100
PW-9A	10	48
PW-9B	62	85
PW-10A	19	50
PW-10B	64	84
PW-11	13	80
PW-12	13	80

Location ID	Open Interval Top (ft)*	Open Interval Bottom (ft)*
PW-13	19	80
PW-14	18	80
Recovery Well	4	104
RI-20S	70	80
RI-20D	100	110
RW-1	23	70
RW-2	80	150
RW-3	150	210
W-1	9	40
W-10	12	34
W-12	7	40
W-13	10	44
W-14	6	36
W-16	9	47
W-17	6	44
NP-21	103	476
NP-87	50	500

**Reported depths below ground surface*
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open interval ≤80 ft
Deeper bedrock wells = open interval ≥80 ft
Shaded wells are the deeper bedrock wells

MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)

ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).

GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) INACTIVE DURING DATA COLLECTION.

Legend
- Monitoring Well
- Test Pit
- Abandoned Well
- Unlocated Well
- Swale
- Stream/Tributary
- Site Road
- Property Line

Scale:
0 110 220 Feet

Sources:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

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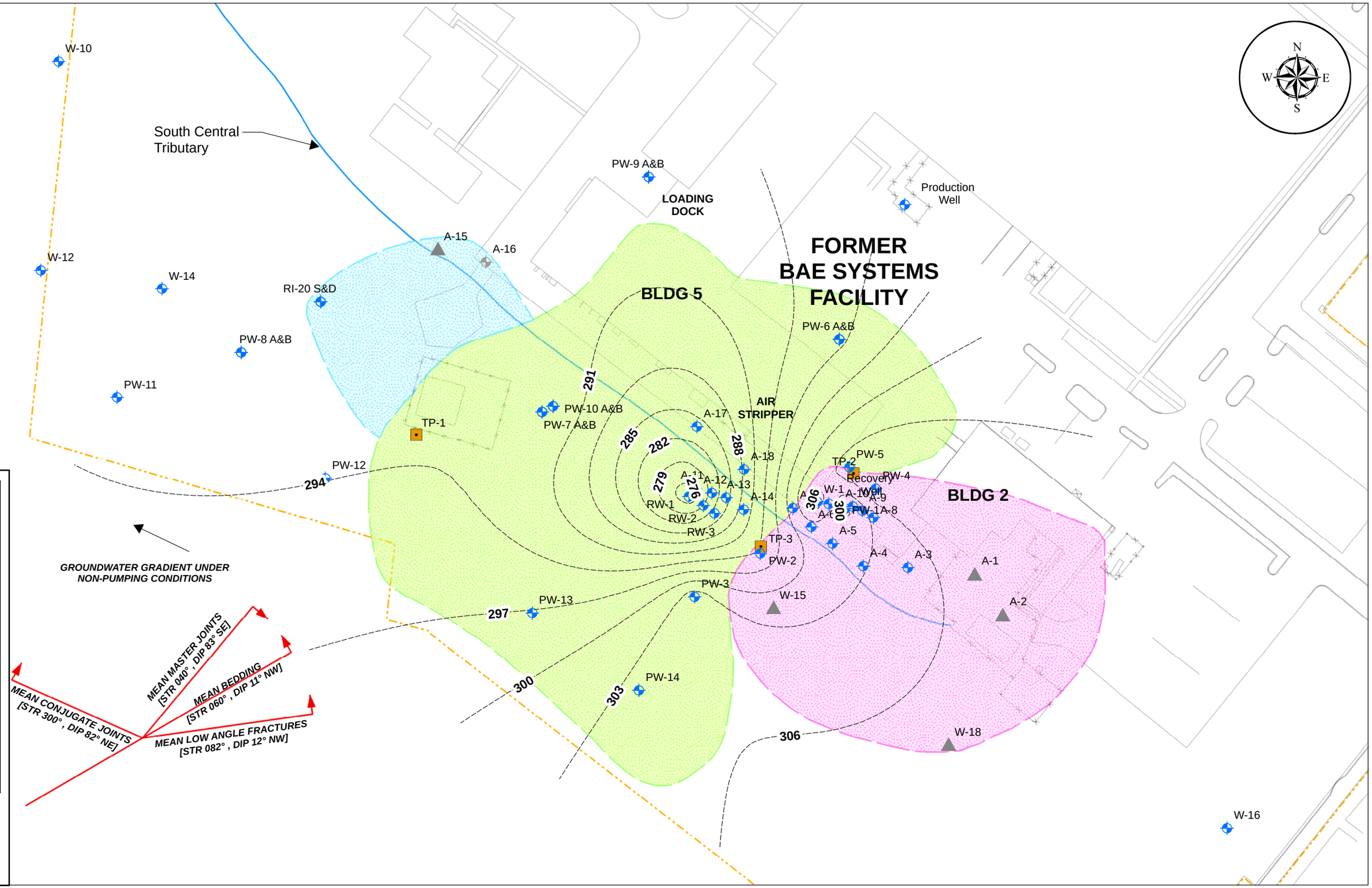
NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Groundwater VOCs - Bedrock Wells
August 2012 (Post-P&T System Deactivation)
Groundwater Sampling Event

DRAWN BY: SKJ	DATE: 01/21/13	UPDATE BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: VOCs_SHBR_DeepBR-08-2012.mxd	PROJECT NO: 1863	18



Location ID	Open Interval Top (ft)	Open Interval Bottom (ft)	Groundwater Elevation (ft)
PW-1	11.0	60.0	298.09
PW-2	12.0	61.0	294.19
PW-3	12.0	60.0	304.91
PW-4	12.0	61.0	309.00
PW-5	11.0	70.0	307.28
PW-6A	18.0	52.0	296.13
PW-6B	66.0	86.0	296.53
PW-8A	18.0	46.0	291.12
PW-8B	60.0	100.0	292.12
PW-9A	10.0	48.0	292.86
PW-9B	62.0	85.0	292.45
PW-10A	19.0	50.0	292.98
PW-10B	64.0	84.0	295.05
Recovery Well	4.0	104.0	288.80
RI-20S	70.0	80.0	291.72
RW-1	23.0	70.0	273.56
W-1	9.0	40.0	308.20
W-10	-	34	293.37
W-12	7.0	40.0	293.58
W-14	6.0	36.0	290.91
W-16	9.0	47.0	306.14

Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open <=80 ft
Recovery Well and RI-20S included to show cone of depression

NOTES:
- MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)
- CAPTURE ZONES INFERRED BASED ON GROUNDWATER ELEVATION CONTOURS AND ASSUMING ISOTROPIC CONDITIONS.
- GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1)
- DUE TO LOW AVERAGE PUMPING RATE (~0.8 gpm), CONE-OF-DEPRESSION AROUND RI-20S IS NOT APPARENT. INFERRED CAPTURE ZONE FOR RI-20S BASED ON GROUNDWATER ELEVATION CONTOURS AND OTHER INFERRED CAPTURE ZONES.
- WELLS PW-11 THROUGH PW-14 INSTALLED IN AUGUST 2009 AND NOT USED IN CONTOURING.

Legend
- Monitoring Well
- Unlocated Well
- Abandoned Well
- Test Pit
- Groundwater Elevation Contour (ft)
- Interpreted Capture Zone for RI-20S
- Interpreted Capture Zone for RW-1
- Interpreted Capture Zone for Recovery Well
- Stream/Tributary
- Site Road
- Property Line

Scale:
0 100 200 Feet

Source:
Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

Environmental Alliance, Inc.
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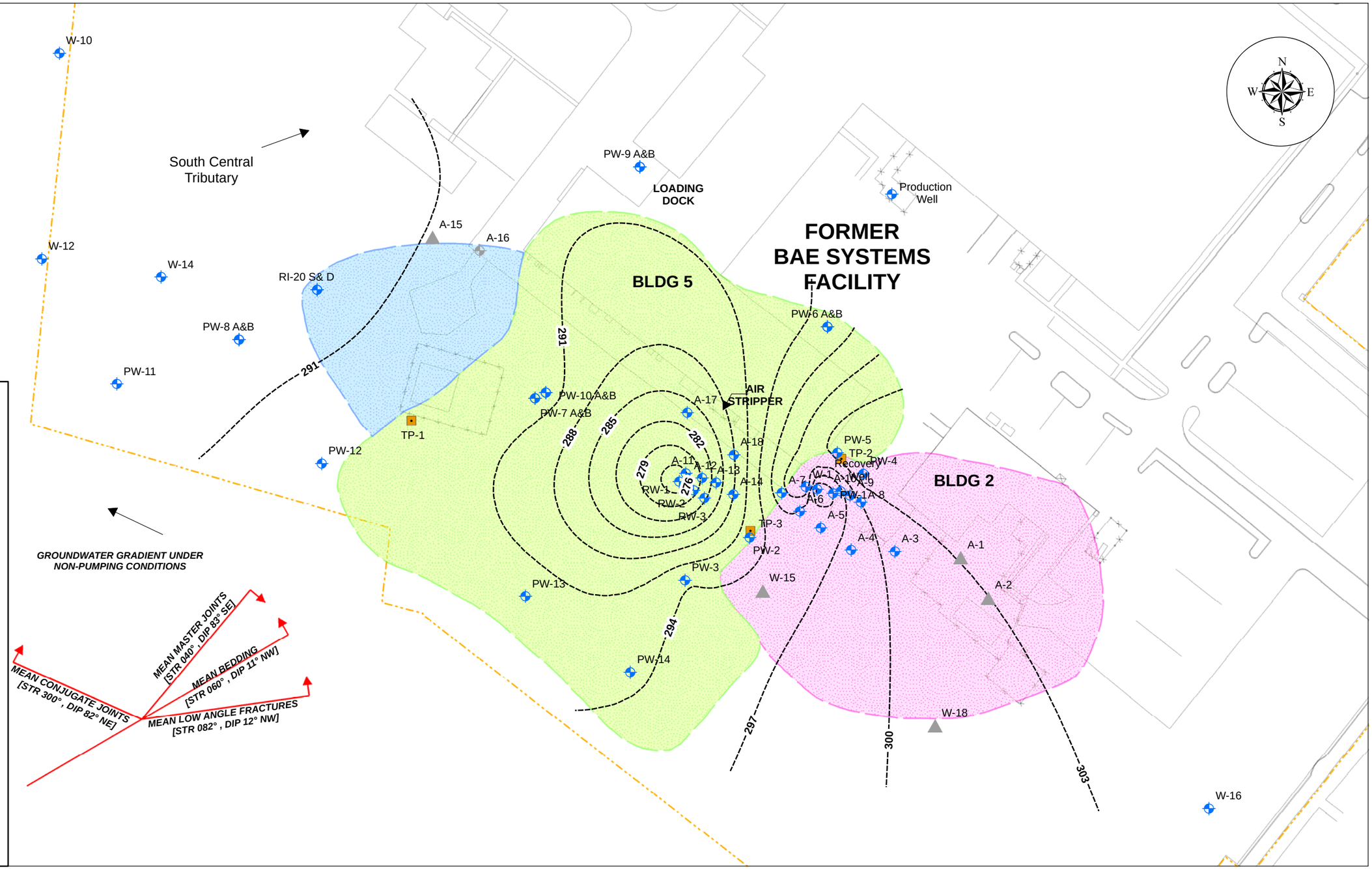
Phone: (302) 234-4400 - Fax: (302) 234-1535

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Interpreted Capture Zones During March 2008 Pumping Conditions

DRAWN BY: SKJ	DATE: 02/05/2009	UPDATED BY: ---	FIGURE NO:
APPROVED BY:	FILE NAME: Capture Zones 3-08.mxd	PROJECT NO: 1863	19



Location ID	Open Interval Top (ft)	Open Interval Bottom (ft)	Groundwater Elevation (ft)
PW-1	11.0	60.0	293.95
PW-2	12.0	61.0	292.44
PW-3	12.0	60.0	293.83
PW-4	12.0	61.0	305.83
PW-5	11.0	70.0	304.38
PW-6A	18.0	52.0	294.69
PW-6B	66.0	86.0	294.92
PW-8A	18.0	46.0	289.90
PW-8B	60.0	100.0	290.76
PW-9A	10.0	48.0	291.75
PW-9B	62.0	85.0	291.40
PW-10A	19.0	50.0	291.56
PW-10B	64.0	84.0	293.54
PW-11	13.0	80.0	289.65
PW-12	13.0	80.0	292.24
PW-13	19.0	80.0	292.86
PW-14	18.0	80.0	293.32
Recovery Well	4.0	104.0	289.12
RI-20S	70.0	80.0	290.08
RW-1	23.0	70.0	273.18
W-1	9.0	40.0	304.73
W-10	-	34	290.96
W-12	7.0	40.0	291.08
W-14	6.0	36.0	289.40
W-16	9.0	47.0	303.93

Reported depths below ground surface
Intervals for non-PW wells as reported in USGS WRIR 03-4159 (Risser & Bird)
Shallow bedrock wells = open <=80 ft
Recovery Well and RI-20S included to show cone of depression

NOTES:
- **MEAN BEDDING, LOW-ANGLE FRACTURE, & HIGH-ANGLE FRACTURE STRIKE & DIP FROM DOWNHOLE OTV SURVEY (ARM GEOPHYSICS, FEB. 2007)**
- **GROUNDWATER RECOVERY SYSTEM (PUMPING WELLS: RECOVERY WELL, RI-20S & RW-1) ACTIVE DURING DATA COLLECTION.**
- **DUE TO LOW AVERAGE PUMPING RATE (~0.8 gpm), CONE-OF-DEPRESSION AROUND RI-20S IS NOT APPARENT. INFERRED CAPTURE ZONE FOR RI-20S BASED ON GROUNDWATER ELEVATION CONTOURS AND OTHER INFERRED CAPTURE ZONES.**
- **CAPTURE ZONES INFERRED BASED ON GROUNDWATER ELEVATION CONTOURS AND ASSUMING ISOTROPIC CONDITIONS.**
- **WELLS PW-11 THROUGH PW-14 INSTALLED IN AUGUST 2009.**

Legend
- Monitoring Well
- Unlocated Well
- Abandoned Well
- Test Pit
- Groundwater Elevation Contour (ft)
- Interpreted Capture Zone for RI-20S
- Interpreted Capture Zone for RW-1
- Interpreted Capture Zone for Recovery Well
- Property Line
- Stream/Tributary
- Site Road

Scale:

0 100 200 *Feet*

Sources:

Modified from PASDA Aerial Image
Base Map from Synergy Environmental, Inc.
Base Map from Metz Engineers Survey

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

NORTH PENN AREA 5 SUPERFUND SITE
BUCKS & MONTGOMERY COUNTIES, PA
OU-1 (BAE)

Interpreted Capture Zones
November 23, 2009 Pumping Conditions

DRAWN BY: SKJ	DATE: 02/05/2010	UPDATED BY: -- --	FIGURE NO:
APPROVED BY:	FILE NAME: 1863_GW Contour (11-09).mxd	PROJECT NO: 1863	20

APPENDIX I

FIELD DATA SHEETS
(DISK ENCLOSED)

Well Ref[illegible] Table
No[illegible]

11/07/11 DZ/HH

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
~~A-2~~				9.5	6	--	--	6	0	9.5	
A-3	6.68	15.19	4.49	11	6	--	--	6	0	11	
A-4	4.41	16.02	8.98	10	6	--	--	6	0	10	
A-5	3.28	17.11	8.86	12	6	--	--	6	0	12	
A-6	3.17	17.14	8.96	12	6	--	--	6	0	12	
A-7	1.88	16.65	6.95	21	6	--	--	6	0	21	
A-8	7.77	18.67	7.70	12	6	--	--	6	0	12	
A-9	5.36	19.01	9.54	13	6	--	--	6	0	13	
A-11	2.80	13.32	10.53	22	6	--	--	6	0	22	
A-12	2.67	13.09	12.01	24	6	--	--	6	0	24	
A-13	1.67	13.92	10.69	19	6	--	--	6	0	19	
A-14	2.43	14.11	9.52	19	6	--	--	6	0	19	
A-16	Abandoned			9.5	6	--	--	6	0	9.5	
A-17			Dry	11.5	6	--	--	6	0	11.5	
A-18	7.77	16.62	11.19	13	6	--	--	6	0	13	
Fox MW-1	0.59	11.47	4.69	48				6			
Fox MW-2	0.62	11.16	10.40	48				6			
Fox MW-5	3.08	11.23	10.88	48				6			
PW-1	1.62	14.84	7.27	60	6	0	11	3.78	11	60	
PW-2	1.33	12.57	14.41	61	6	0	12	6	12	61	
PW-3	3.42	11.57	9.54	60	6	0	12	3.78	12	60	
PW-4	1.74	15.31	6.75	61	6	0	12	6	12	61	
PW-5	1.65	14.87	7.30	70	6	0	11	3.78	11	70	
PW-6A	0.67	15.25	15.05	140	6	0.25	18	2	18	52	
PW-6B	0.55	14.19	13.08	140	6	0.25	66	2	66	86	
PW-7A	0.86	11.63	4.95	180	6	0.25	90	2	90	110	
PW-7B	0.67	11.51	4.97	180	6	0.25	124	2	124	144	
PW-8A	0.72	11.58	12.43	281	6	0.25	18	2	18	46	
PW-8B	0.71	11.56	10.92	281	6	0.25	60	2	60	100	
PW-9A			16.93	280	6	0.25	10	1	10	48	
PW-9B			16.52	280	6	0.25	62	1	62	85	
PW-10A	12.62	0.79	15.59	88.5	6	0.25	19	2	19	50	

DTB
Cannot Co[illegible]
5.67
~~9.60~~
~~12.65~~

~~RW-4-5~~ Clusters

Well Rec[illegible] Table
Nor[illegible]n

111 of 111 DZ/HW

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
PW-10B	0.67	11.91	12.20	88.5	6	0.25	64	2	64	84	
PW-11	0.79	11.21	12.62	80	6	--	--	6	13	80	
PW-12	0.94	11.35	12.07	80	6	--	--	6	13	80	
PW-13	0.77	11.63	13.43	80	6	--	--	6	19	80	
PW-14 ~~PW-14~~	5.72	11.8[illegible]	14.28	80	6	--	--	6	18.0	80	
Recovery Well	1.60	13.21	13.93								
RI-19D	0.76	11.92	3.37	80				2	70	80	
RI-19S	0.85	12.16	3.34	58				2	46	56	
RI-20D	0.76	11.86	8.44	110				2	100	110	
RI-20S	1.06	11.97	11.80	80				2	70	80	
RW-1	0.69	12.13	13.72	70				6	23	70	
RW-2	0.58	11.57	4.67	150				6	80	150	
RW-3	0.63	11.64	2.29	210				6	150	210	
W-1	2.23	11.86	[illegible] 7.18	40				3.5	9	40	
1.29 ~~W-3~~	[illegible]	11.87	[illegible] 5.19	23				3.5	12	23	
W-4	2.56	11.58	5.01	30				3.5	16	30	
W-8	1.99	11.44	2.49	30				3.5	15	30	
3.10 ~~W-10~~	[illegible]	1[illegible].38	9.03	34				2	7	47	
W-12	3.49	11.86	6.75	40				3.5	7	40	
1.19 ~~W-13~~	[illegible]	10.93	5.32	44				3.5	10	44	
W-14	6.67	12.58	10.96	36				3.5	6	36	
W-16	1.02	12.32	11.60	47				3.5	9	47	
W-17	1.14	11.12	8.22	44				3.5	6	44	

TOC - Top of Casing

	DO	Temp	DTW	Well Depth	Sounded DTB
RW-4S	0.93	11.80	4.70	50	47.58
RW-4I	0.62	11.56	5.39	150	146.80
RW-4D	0.54	11.63	7.46	300	—
RW-5S	1.40	12.10	8.72	50	50.26
RW-5I	0.60	11.61	9.06	150	152.10
RW-5D	0.53	11.72	8.80	300	—

~~2.43~~

~~1411~~

~~2.56~~ ~~11.58~~ ~~5.01~~ ~~1.99~~ ~~2.49~~ ~~11.44~~

GROUNDWATER SAMPLI[illegible] FIELD DATA SHEET

DATE: 11/08/11 SITE/PROJECT: 1863 SAMPLING TEAM: DE/HK

WELL INFORMATION						PURGE INFORMATION			PARAMETERS									SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe		TIME	METHOD	
Ex MW-5	43	48	6"			72	2-3	G	0926	12.02	0.395	2.89	7.37	84.0	75.5	0.0		0955	G	3
									0936	12.41	0.401	2.41	7.51	96.7	11.1					
									0944	12.02	0.397	2.53	7.47	103.1	80.1					
									0953	12.01	0.396	2.41	7.46	109.8	67.1					
W-10	32	34	3.5"			20	2	G	1040	15.00	0.375	7.33	6.41	110.1	351.1	0.0		1050	G	3
									1043	14.37	0.229	4.63	5.43	148.3	139.1					
									1046	14.50	0.250	4.16	5.39	156.7	141.3					
									1049	14.63	0.232	4.11	5.39	161.3	138.6					
W-12	45	47	3.5"			25	2	G	1058	14.72	0.170	4.14	5.17	183.1	66.1	0.0		1115	G	3
									1103	13.92	0.154	3.15	4.88	202.1	4.6					
									1107	14.18	0.156	2.70	4.90	216.1	138.1					
									1111	14.21	0.158		5.08	222.6	80.5					
W-14	45	47	3.5"			22	2	G	1121	15.09	0.087		5.00	214.1	51.0	0.0		1135	G	3
									1125	14.45	0.110		5.44	215.5	78.5					
									1129	14.52	0.125		5.61	210.1	48.2					
									1133	14.45	0.136		5.72	204.5	29.6					
RW-11	77	80	6"	100FT Decon Tubing		80	2-3	G	1146	13.84	0.434		7.28	1.4	40.2	0.0		1220	G	8
									1152	13.93	0.436		7.51	50.8	1.0					
									1206	13.76	0.419		7.47	65.9	2.8					
									1219	13.87	0.417		7.46	70.1	4.2					
RW-8A	44	46	2"			30	2	G	1240	15.27	0.424		7.45	90.6	4.7	0.0		1255		8
									1244	15.19	0.405		7.30	111.1	12.1					
									1248	15.09	0.399		7.22	123.1	10.9					
									1253	15.08	0.398		7.20	131.6	7.5					
RW-8B	98	100	2"			40	2-3	G	1434	12.66	0.454		7.10	-37.1	35.4	0.0		1455	G	3
									1441	12.84	0.463		7.18	-11.4	3.4					
									1448	12.77	0.458		7.14	-26.6	1.1					
									1454	12.76	0.458		7.13	-25.3	0.7					

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 42359715 → 42359949 → Stopped ADDED 230 Gallons TO AST AT 1650 Begin

J:\EAI_files\ADMIN\ADMIN DOCUMENTS\FORMS\EAI Low flow gws fld sheet.xls

70°F Sunny

GROUNDWATER SAMPLI FIELD DATA SHEET

DATE: 11/03/11 + 11/09/11 SITE/PROJECT: 1863 SAMPLING TEAM: DZ/JH

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
30	RJ265	77	80	2"			50			1257	13.56	0.455		7.35	81.1	24.6	0.0	1320	G	8
										1305	13.62	0.473		7.40	45.6	0.9				
										1313	13.60	0.476		7.41	50.7	0.4				
										1320	13.59	0.478		7.40	59.8	0.3				
00	PW-12	77	80	6"	Decon 100FT Tubing		80			1440	13.42	0.533		7.22	-19.1	34.7	0.5	1500	G	3
										1450	13.93	0.540		7.25	-8.4	22.5				
										1500	13.80	0.539		7.26	17.7	20.1				
										1510	13.79	0.536		7.27	26.1	3.9				
55	PW-13	77	80	6"	Decon 100FT Tubing		80			1552	13.34	0.537		7.46	26.9	112.1	0.0	1640	G	3
										1604	13.65	0.571		7.47	8.6	20.4				
										1614	13.61	0.572		7.47	14.8	19.1				
										1636	13.54	0.571		7.46	18.0	18.3				
11/09/11	PW-10B	82	84	2"			40			0805	12.70	0.507		7.48	104.7	10.2	0.0	0830	G	3
										0812	12.84	0.391		7.46	106.1	10.4				
										0821	12.85	0.372		7.44	109.8	9.9				
										0828	12.81	0.366		7.43	119.8	8.6				
	PW-10A	48	50				35			0816	11.88	0.715		6.85	124.2	155.1	0.0	0845	G	8
										0821	13.06	0.709		6.84	123.2	21.9				
										0826	13.02	0.669		6.91	113.6	9.0				
										0836	13.02	0.665		6.91	111.6	7.6				
00	PW-4	77	80	6"	Decon 100FT Tubing		80			0905	13.04	0.170		5.63	130.1	244.1	0.0	0945	G	5
										0918	13.30	0.217		5.87	162.1	57.9				
										0930	13.25	0.141		5.98	141.7	32.6				
										0940	13.23	0.1211		6.01	138.6	21.9				
	PW-2	57	59	6"			60			0909	13.84	1.212		5.49	185.1	1.3	0.0	0950	G	3
										0918	13.81	1.222		5.52	196.1	16.0				
										0931	13.94	1.231		5.54	199.8	15.8				
										0948	13.93	1.224		5.53	204.3	14.3				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 11/09/11 + 11/10/11 → 50°F FOG

SITE/PROJECT: 1863

70°F SUNNY

SAMPLING TEAM: DZ/HH

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
1010 RW-1	68	70	6"	Decon 100FT Tubing		70	2.5	G	1008	13.02	1.619		6.60	114.2	476	0.0	1040	G	5
									1016	13.29	1.627		6.71	121.1	260				
									1024	13.33	1.625		6.74	122.1	26.1				
									1034	13.34	1.616		6.75	110.1	15.6				
1030 PW-1	56	60	6"			70	2.5	G	1127	14.70	2.106		5.72	107.6	14.8	0.0	1200	G	3
									1139	16.32	2.143		5.42	87.9	694.1				
									1144	16.62	2.098		5.45	85.7	481.3				
									1157	16.57	2.072		5.43	105.6	146.1				
1190 Recovery Well	92	96	6"			100	3	G	1131	16.17	2.396		5.54	161.1	11.9	0.0	1215	G	3
									1143	15.71	1.596		5.89	149.3	10.1				
									1155	15.67	1.496		5.99	134.6	8.4				
									1208	15.59	1.487		6.03	139.8	7.9				
W-1	38	40	3.5"	~~Decon~~ New Tubing		40	1.5	G	1217	15.72	1.501		6.14	135.8	44.8	0.5	1250	G	8
									1227	16.74	1.331		6.36	148.4	531.1				
									1237	16.79	1.562		6.47	150.5	549.8				
									1248	16.62	1.544		6.44	143.1	551.9				
1030 W-16	45	47	3.5"			40	2		1009	13.56	0.349		6.87	157.1	109.3	0.0	1035	G	8
									1014	13.57	0.337		6.88	159.1	92.6				
									1024	13.66	0.357		6.88	162.1	82.0				
									1032	13.63	0.357		6.87	162.1	81.9				
W-3	22	23	3.5"	New Tubing		22	1.00 1.50		1053	12.95	0.274		6.57	-27.1	45.5	3.0	1115	G	
									1059	13.01	0.274		6.43	-30.1	421.5				
									1106	13.03	0.287		6.45	-24.1	345.1				
									1113	13.13	0.270		6.37	-10.1	51.3				
1010 W-15	~~28~~	30	3.5	Decon 100FT Tubing		30			1136	12.87	0.064		5.27	94.2	61.0	0.0	1155	G	
									1141	13.69	0.072		5.01	143.1	22.6				
									1146	14.11	0.073		4.91	174.1	6.7				
									1152	14.15	0.073		4.93	182.3	5.3				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 1055-1120 - 310 GALLONS INTO AST, TOTALIZER WORKING

1315-1400 230 GALLONS INTO AST.

50°F cloudy
Light rain
38°F
Sunny
windy

GROUNDWATER SAMPLI[illegible] FIELD DATA SHEET

DATE: 11/10/11 11/11/11 SITE/PROJECT: 1863 SAMPLING TEAM: DZ/HH

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
			Decon						1204	14.79	0.207		5.69	99.7	11.9				
1.75 RF-195	54	58	2"	100 FT Tubing		40		G	1215	13.00	0.263		6.40	-55.0	11.8	4.0	1230	G	3
									1222	13.02	0.203		6.57	-62.1	-1.0				
									1229	13.03	0.203		6.60	-71.1	-0.2				
									1238	12.90	0.216		6.66	-67.1	44.1				
1.65 RF-190	78	80	2"	Decon 100 FT Tubing		50		G	1246	12.99	0.217		6.77	-67.3	0.4	3.0	1305	G	3
									1252	13.00	0.218		6.78	-67.1	0.0				
									1303	13.00	0.218		6.78	-68.1	1.1				
BELO AMN-01			11/11/11	11/11/11	Took in open FSED Bu 01-2 Wind 20mph				[illegible]	9.81	0.224		8.02	24.2	581.1				
									[illegible]	10.08	0.221		7.98	24.9	681.1		0900		3
										10.39	0.218		7.99	25.3	531.3				
										10.41	0.216		7.98	25.6	520.9				
EFFLUENT			11/11/11														1200		

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

56°F cloud

GROUNDWATER SAMPLI[illegible] FIELD DATA SHEET

DATE: 11/10/11 + 11/11/11 SITE/PROJECT: _____ SAMPLING TEAM: DZ/[illegible]

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
RW-45	44	50 / 47.58	6"	Decon 100FT Tubing	[illegible]	50	2	G	1314	12.66	0.114	[illegible]	6.58	-66.9	923.1	4.0	1345	G	3
									1323	13.03	0.105		6.42	-56.1	759.1				
									1333	13.06	0.081		6.05	-7.9	460.1				
									1344	12.99	0.070		5.75	37.9	337.2				
RW-45	142	150 / 146.8		New Tubing 300FT		Went [illegible] 30GAL	2	G	0810	11.27	0.165		7.71	79.1	286.1	0.0	0835	G	3
									0818	12.73	0.170		7.59	57.9	47.1				
									0826	12.81	0.162		7.61	42.3	33.1				
									0830	12.83	0.158		7.63	39.8	30.9				
RW-40	280	300		Decon 300FT		Stabilized [illegible] 55	2	G	0846	11.79	0.217		8.34	125.1	109.1	0.0	0920		3
									0855	13.22	0.191		7.67	-116.1	-0.3				
									0907	13.36	0.191		7.70	-122.1	-0.5				
									0915	13.40	0.191		7.69	-128.3	-0.1				
RW-55	45	50 / 50.26		Decon 100FT Tubing		50	2	G	0938	13.11	0.119		6.31	-52.1	1308.0	4.0	1005		3
									0945	12.94	0.170		6.33	-26.1	1305.1				
									0958	13.10	0.103		6.72	-39.1	220.1				
									1003	13.09	0.100		6.70	-43.6	151.3				
RW-55	145	150 / 152.10		Decon 300FT		50	2	G	0947	12.95	0.117		7.20	-33.1	63.8	0.0	1020		3
									0956	13.01	0.119		7.59	-56.3	29.2				
									1006	13.08	0.220		7.51	-44.8	0.8				
									1017	13.13	0.223		7.59	-56.8	0.0				
RW-50	280	300		Decon 300FT		60	2	G	1034	12.42	0.280		8.23	-98.1	3.7	0.0	1111		3
									1041	13.19	0.270		7.91	-98.5	2.0				
									1050	13.70	0.260		7.60	-98.6	0.0				
									1107	13.80	0.250		7.59	-70.1	0.0				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 1415: Began to unload 270 GALS To AST.

1145 250 GALS To AST

4236.0980 + 230 GALS

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ocation _____ Date 11-2-11

roject / Client 1863/BAE

CT

8:00 - on site 8:40 investigate RW-1

- Lid is Raised up, hinge Pin is Bent, Preventing Lid From Properly Closing

horizontal Brace on diamond Plate contacts Steel Casing of ~~RW~~ Recovery well & Prevents Properly closing the lid.

Not to Laws for Mallet to Re-Shape Pin.

return to Site 9:45

- Saw off Badly Bent hinge Pin & Broken latch Replace 6" well Plug & lock w/ Masters lock (LSDA equivalent)

- Lid Fits Flush on west Side of Manway but a lip remains on East Side - the Side ~~flush w/~~ a snow Plow would hit - ~~Would~~

dimension: off Diamond Plate 24" x 24" (Incl 3/4" tube for hinges)

office 10:30

Well Re[illegible]ce Table
Nc[illegible]nn

2/13/12 tg, DZ

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
~~A-2~~	~~[illegible]~~	~~[illegible]~~		~~9.5~~	6	--	--	6	0	9.5	
A-3	8.55	8.75	7.31	11	6	--	--	6	0	11	
A-4	7.84	10.19	9.96	10	6	--	--	6	0	10	
A-5	2.82	12.84	10.08	12	6	--	--	6	0	12	
A-6	4.13	11.69	10.47	12	6	--	--	6	0	12	
A-7	2.82	10.89	8.28	21	6	--	--	6	0	21	
A-8	7.47	13.30	9.26	12	6	--	--	6	0	12	
A-9	8.92	13.46	11.09	13	6	--	--	6	0	13	
A-11	1.36	12.70	13.60	22	6	--	--	6	0	22	
A-12	8.39	13.22	14.90	24	6	--	--	6	0	24	
A-13	1.63	13.72	13.60	19	6	--	--	6	0	19	
A-14	1.00	13.53	11.85	19	6	--	--	6	0	19	
~~A-16~~				9.5	6	--	--	6	0	9.5	
A-17			Dry	11.5	6	--	--	6	0	11.5	
A-18			Dry	13	6	--	--	6	0	13	
Fox MW-1	0.48	11.86	5.19	48				6			
Fox MW-2	0.42	11.46	10.60	48				6			
Fox MW-5	2.36	11.59	11.37	48				6			
PW-1	0.93	15.17	8.76	60	6	0	11	3.78	11	60	
PW-2	1.35	12.86	15.48	61	6	0	12	6	12	61	
PW-3	1.69	11.88	11.75	60	6	0	12	3.78	12	60	
PW-4	0.98	15.02	8.37	61	6	0	12	6	12	61	
PW-5	0.69	15.01	8.34	70	6	0	11	3.78	11	70	
PW-6A	0.29	15.68	14.49	140	6	14.49 0.25	18	2	18	52	14.49
PW-6B	0.19	14.46	14.42	140	6	14.42 0.25	66	2	66	86	14.42
PW-7A	0.41	11.92	10.74	180	6	0.25	90	2	90	110	
PW-7B	0.20	11.86	10.75	180	6	0.25	124	2	124	144	
PW-8A	0.21	11.92	13.15	281	6	0.25	18	2	18	46	
PW-8B	0.30	11.89	11.55	281	6	0.25	60	2	60	100	
PW-9A	—	—	17.15	280	6	0.25	10	1	10	48	
PW-9B	—	—	17.13	280	6	0.25	62	1	62	85	
PW-10A	0.35	12.35	16.30	88.5	6	0.25	19	2	19	50	

Well Reference Table
No[illegible]nn

2/13/12 [illegible]

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
PW-10B	0.27	12.27	12.95	88.5	6	0.25	64	2	64	84	
PW-11	0.67	11.50	11.64	80	6	--	--	6	13	80	
PW-12	0.24	11.67	12.78	80	6	--	--	6	13	80	
PW-13	0.27	11.93	14.30	80	6	--	--	6	19	80	
PW-14	3.54	12.06	15.50	80	6	--	--	6	18.0	80	
Recovery Well	5.82	15.17	13.99								
RI-19D	0.53	12.25	4.08	80				2	70	80	
RI-19S	0.51	12.41	4.02	58				2	46	56	
RI-20D	0.30	18.20	9.18	110				2	100	110	
RI-20S	0.43	12.27	12.49	80				2	70	80	
RW-1	1.41	12.47	14.65	70				6	23	70	
RW-2	0.21	11.92	10.43	150				6	80	150	
RW-3	0.26	11.96	3.72	210				6	150	210	
W-1	3.05	15.34	8.35	40				3.5	9	40	
W-3	0.50	11.82	6.24	23				3.5	12	23	
W-4	1.25	12.16	5.60	30				3.5	16	30	
W-8	0.65	12.05	3.03	30				3.5	15	30	
W-10	2.07	11.16	9.63	34				2	7	47	
W-12	2.32	10.16	6.82	40				3.5	7	40	
W-13	0.81	11.37	5.55	44				3.5	10	44	
W-14	5.00	10.71	11.68	36				3.5	6	36	
W-16	1.10	12.02	12.46	47				3.5	9	47	
W-17	0.010	11.44	8.43	44				3.5	6	44	

32' from Sewer Drain

TOC - Top of Casing

	DO	Temp	DTW
RW-4S	0.35	11.92	5.32
RW-4I	0.23	11.89	5.99
RW-4D	0.22	11.96	8.03
RW-5S	1.25	~~12~~.58	9.40
RW-5I	0.22	12.09	9.66 → 9.66
RW-5D	0.22	~~[illegible]~~ 12.05	9.38

GROUNDWATER SAMPLING FIELD DATA SHEET

Sunny 30°F

DATE: 02/14/12 SITE/PROJECT: 1863 SAMPLING TEAM: DZ/HV

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
	SAMPLE LOCATION	~~DTW~~ (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
20	Fox MW-5	43	48	6"			72		G	1051	12.51	0.478		7.54	63.1	554.1	0.0	1115	G	3
										1057	12.32	0.483		7.58	45.9	319.8				
										1104	12.35	0.486		7.60	53.8	75.5				
										1114	12.36	0.486		7.61	57.8	47.8				
70	W-10	32	34	3.5"			20		G	1148	11.75	0.499		6.69	94.2	631.9	0.0	1200	G	3
										1151	12.06	0.344		6.65	108.1	263.8				
										1154	12.07	0.288		6.19	128.9	190.1				
										1157	11.83	0.272		6.09	158.1	133.1				
	W-12	45	47	3.5"			25		G	1213	10.76	0.126		5.37	225.9	105.3	0.0	1225	G	3
										1216	10.74	0.131		5.47	224.1	88.3				
										1219	10.71	0.140		5.59	225.1	92.3				
										1223	10.68	0.141		5.61	229.1	77.6				
	W-14	45	47	3.5"			22		G	1237	11.22	0.127		5.63	220.1	232.1	0.6	1250	G	3
										1240	11.54	0.202		6.12	188.1	224.1				
										1243	11.59	0.232		6.26	178.4	153.7				
										1246	11.63	0.240		6.30	174.1	150.1				
140	PW-8B	98	100	2"			40		G	1303	12.66	0.563		7.18	17.9	54.7	0.0	1320	G	3
										1307	12.87	0.568		7.28	-24.1	3.0				
										1311	12.87	0.568		7.29	-27.2	1.0				
										1317	12.87	0.568		7.29	-25.1	0.7				
175	PW-10B	82	84	2"			40		G	1329	12.97	0.480		7.55	-26.1	11.4	0.0	1345	G	3
										1335	13.19	0.478		7.57	-19.4	9.3				
										1337	13.19	0.477		7.56	-12.7	8.5				
										1343	13.17	0.482		7.57	-44.1	4.7				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET - 2484 W-1 RW-1

DATE: 02/15/12 SITE/PROJECT: 1863 BIO Wells SAMPLING TEAM: DZ/JN

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	# of FJ
15	PW-11	77	80	6"			80		G	733	12.05	0.535		7.65	48.8	16.6	0.2	0810	G	6 1
										738	12.42	0.559		7.68	42.0	8.1				
										750	12.47	0.532		7.65	36.2	6.3				
										0809	12.51	0.530		7.66	33.2	4.9				
	PW-8A ~~[illegible]~~	44	46	2"			30		G	0755	12.19	0.480		7.45	42.3	196.1	0.0	0815	G	6 1
										0759	12.61	0.469		7.47	46.9	27.1				
										0804	12.78	0.444		7.35	61.0	12.1				
										0812	12.81	0.445		7.37	65.1	8.5				
125	RI-205	77	80	2"			50		G	0833	12.48	0.574		7.59	50.3	14.2	0.0	0900	G	6 1
										840	12.65	0.598		7.59	42.7	2.3				
										0849	12.80	0.603		7.59	43.8	0.6				
										0856	12.88	0.606		7.59	44.1	0.3				
145	PW-10A	48	50	2"			35		G	0912	12.55	0.724		7.23	86.1	165.1	3.2	0910	G	6 1
										0918	13.13	0.803		7.02	83.1	10.4				
										0927	13.07	0.791		7.03	61.8	3.4				
										0936	13.02	0.789		7.04	57.4	0.7				
200	W-16	45	47	3.5"			40		G	0953	12.86	0.414		7.05	105.8	219.4	4.4	1020	G	6 1
										0959	13.00	0.381		6.97	89.0	143.2				
										1010	12.98	0.390		7.00	97.1	41.3				
										1017	13.03	0.393		7.01	100.1	26.0				
255	W-1	38	40	3.5"			25 weak	1.0 1.5	G	1033	15.39	0.4574		6.00	190.5	142.6	1.8	1140	G	6 1
										1037	14.70	3.331		6.07	193.1	158.1				
										1050	15.10	3.319		6.09	184.1	56.1				3 2484
										1108	15.14	3.314		6.11	179.8	43.1				
pH 2.9 So Gt	RW-1	68	70	6"			70		G	1121	13.26	1.791		6.95	139.3	10.6	2.0	1200	G	6 1
										1129	13.19	1.781		6.95	136.1	10.1				
										1140	13.35	1.772		6.96	109.8	6.9				3 2484
										1155	13.37	1.761		6.97	95.8	4.1				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 1120: Began unloading 280 GALS into AST

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GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 02/15/12 / 02/16/12 SITE/PROJECT: 1863 Cloudy 42°F Drizzle overnight SAMPLING TEAM: DZ / HJ

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
PW-12	77	80	6"	Decon 100FT Tubing		80		G	1226	12.13	0.675		7.50	16.6	23.7	2.0	1300	G	3
									1236	12.48	0.675		7.44	24.7	3.5				
									1245	12.47	0.673		7.43	25.9	0.8				
									1257	12.48	0.672		7.43	21.6	0.7				
75 PW-13	77	80	6"	Decon 100FT Tubing		80		G	1317	12.35	0.627		7.60	53.2	40.1	4.2	1415	G	3
									1328	12.74	0.662		7.62	19.0	32.7				
									1349	12.83	0.665		7.61	20.0	31.6				
									1359	12.79	0.664		7.61	19.4	28.6				
02/16 W-3	22	23				22		G	0933	11.60	0.298		6.78	-37.5	705.1	3.8	0945	G	3
									0937	11.98	0.305		6.65	-36.5	611.1				
									0940	11.89	0.312		6.63	-22.1	168.3				
									0944	11.91	0.312		6.62	-24.4	101.9				
~~W-8~~	~~28~~	~~30~~				~~30~~		~~G~~											
DZ						DZ													
~~W-4~~	~~28~~	~~30~~				~~30~~		~~G~~											
02/16									~~933~~	~~11.60~~	~~0.248~~		~~6.78~~	~~-37.5~~	~~705.5~~				
~~W-5~~											DZ								
20 RS-1AS	54	58		Decon 100FT Tubing		40		G	1033	12.52	0.245		6.91	-83.8	4.3	8.0	1100	G	3
									1039	12.56	0.320		6.92	-78.1	0.0				
									1048	12.68	0.244		6.86	-79.1	0.0				
									1057	12.68	0.244		6.85	-76.1	0.0				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET Light RAIN 36°F

DATE: 02/16/12 SITE/PROJECT: 1863 SAMPLING TEAM: DEI/AH

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
60	RJ-19D	78	80	2"			50		G	1111	12.95	0.264		5.99	-82.7	0.0	8.2	1140	G	3
										1119	13.00	0.264		7.01	-93.6	0.0				
										1126	13.00	0.264		7.01	-93.8	0.1				
										1136	13.01	0.264		7.02	-93.9	0.0				
155	PW-14	77	80	6"			80		G	1212	12.56	0.103		5.61	130.1	71.1	9.6	1250	G	3
										1220	12.72	0.143		5.91	195.6	43.7				
										1235	12.70	0.146		5.94	193.7	34.7				
										1256	12.73	0.156		5.99	191.9	17.4				
235	PW-2	57	59	6"			60		G	1307	13.65	1.711		5.83	222.1	14.7	0.8	1350	G	DCP 6
										1319	14.02	1.731		5.84	205.1	22.9				
										1328	14.16	1.733		5.84	201.4	17.9				
										1346	14.24	1.731		5.85	199.1	14.3				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: INTO DEWATER TANK INTO AST 300 GALS

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GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 02/16/12 SITE/PROJECT: 2484 SAMPLING TEAM: JS

light RAIN 39°F

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	DTW METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD
A3	4.55	11	6"					4.55	11:20	start								
								4.81	11:23	9.02	71	11.90	2.88	154.2	84.0			P 3
								4.87	11:26	9.05	71	11.83	3.53	153.1	35.97		11:40	
								4.99	11:29	9.02	70	11.78	4.13	149.1	21.3			
								5.05	11:31	9.02	71	11.72	4.20	146.9	17.0			
								5.08	11:34	9.02	71	11.66	4.28	145.1	16.1	0		
								5.14	11:37	9.01	70	11.66	4.24	150.0	10.0			
									11:40	Sample							~ 2.5 gallons purge	
A14	12.05							12.10	11:55	start								
								12.30	11:58	11.65	1397	3.88	6.57	-40.8	30.10			P 3
								12.48	12:01	12.07	1410	2.72	7.57	-112.8	17.26			
								12.55	12:04	12.84	1402	2.39	8.11	-108.6	13.14			
								12.90	12:07	12.85	1404	2.31	8.51	-109.6	11.09			
								12.95	12:10	12.88	1400	2.26	8.60	-111.1	10.08		12:20	
								12.78	12:15	12.89	1401	2.23	8.63	-113.4	9.71			
									12:18	Sample							~ 2.5 gallons purge	
A12	15.32							15.32	12:38	start								
								15.39	12:41	12.36	462	10.91	9.73	-84.0	75.8			P 3
								15.55	12:44	12.62	462	10.87	9.70	-92.3	63.1			
								15.85	12:47	12.56	463	10.80	9.65	-92.1	59.1			
								15.95	12:50	12.61	466	10.85	9.55	-88.1	57.8			
								16.45	12:53	12.62	405	10.81	9.61	-81.0	47.1			
									12:55	Sample							12:55	
																	~ 2.5 gallons purge	

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET

Light Rain 39°F

DATE: 2/14/12 SITE/PROJECT: 2484 SAMPLING TEAM: ~~SF~~ JS.

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD
A-13 ~~A-13~~	13.94							13.94 P	13:02	Started								P 3
									13:07	12.33	2459	2.66	9.63	-83.2	2.54			
									13:10	12.38	24.46	2.34	9.66	-87.4	18.03			
									13:13	12.42	2634	2.17	9.51	-84.1	15.11			
									13:16	12.34	2618	2.04	9.53	-79.1	8.70		1325	
									13:19	12.35	2610	1.98	9.61	-77.1	7.97			
									13:22	12.38	2603	1.88	9.67	-70.1	6.86			
									1325	Sampled						~ purged 2.5		purged
EFFLUEN									1400	6.96	0.481	10.82	8.55	850	541.3			3
									1415	10.04	0.460	10.30	8.12	8.10	407.1			
									1418	10.35	0.466	10.22	8.04	8.40	330.9		1425	
									1425	Sampled								

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET Sunny 42°F

DATE: 02/17/12 SITE/PROJECT: 1863 SAMPLING TEAM: DEH

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	~~STICK~~ (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
W-8	28	30	3.5"			30		G	0922	11.99	0.282		5.87	135.5	10.0	0.0	0935	G	3
									0926	11.83	0.216		5.91	136.3	8.1				
									0930	11.63	0.173		5.91	117.6	7.1				
									0934	11.59	0.168		5.92	115.3	6.3				
W-4	28	30	3.5"			30		G	1002	12.59	0.094		5.55	122.4	181.3	0.6	1015	G	3
									1006	12.51	0.084		5.31	175.1	12.0				
									1010	12.42	0.084		5.27	191.3	5.0				
									1014	12.40	0.084		5.26	201.3	2.1				
75 PW-1	56	60	6"			70		G	1031	16.54	2.629		5.14	235.4	431.9	10.0	1100	G	3
									1040	16.55	2.408		5.55	183.1	99.6				
									1050	16.46	2.101		5.96	200.1	136.1				
									1058	16.47	2.100		5.97	201.4	71.4				
Recovery Well	92	96	6"			100		G	1035	15.71	2.757		5.67	226.8	20.9	1.2	1115	G	3
									1047	15.73	2.342		6.06	205.1	11.9				
									1058	15.76	1.986		6.31	189.5	10.6				
									1112	15.78	1.969		6.33	195.6	8.9				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: END TOTALIZER: 42362228

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Well Re[illegible]ce Table
No[illegible]nn

2/13/12 [illegible] DZ

MNA
Short LIST PLUS W-8
Sampled

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
~~A-2~~	~~[illegible]~~	~~[illegible]~~		~~9.5~~	6	--	--	6	0	9.5	
A-3	8.55	8.75	3.31	11	6	--	--	6	0	11	
A-4	7.84	10.19	9.96	10	6	--	--	6	0	10	
A-5	2.82	12.84	10.08	12	6	--	--	6	0	12	
A-6	4.13	11.69	10.47	12	6	--	--	6	0	12	
A-7	2.82	10.89	8.28	21	6	--	--	6	0	21	
A-8	7.47	13.30	9.26	12	6	--	--	6	0	12	
A-9	3.92	13.46	11.09	13	6	--	--	6	0	13	
A-11	1.36	12.70	13.60	22	6	--	--	6	0	22	
A-12	5.39	13.22	14.90	24	6	--	--	6	0	24	
A-13	1.63	13.72	13.60	19	6	--	--	6	0	19	
A-14	1.00	13.53	11.85	19	6	--	--	6	0	19	
~~A-16~~				9.5	6	--	--	6	0	9.5	
A-17			Dry	11.5	6	--	--	6	0	11.5	
A-18			Dry	13	6	--	--	6	0	13	
Fox MW-1	0.49	11.86	5.19	48				6			
Fox MW-2	0.42	11.46	10.60	48				6			
Fox MW-5	2.36	11.59	11.37	48				6			
PW-1	0.93	15.17	8.76	60	6	0	11	3.78	11	60	
PW-2	1.35	12.86	15.48	61	6	0	12	6	12	61	
PW-3	1.69	11.88	11.75	60	6	0	12	3.78	12	60	
PW-4	0.98	15.02	8.37	61	6	0	12	6	12	61	
PW-5	0.69	15.01	8.34	70	6	0	11	3.78	11	70	
PW-6A	0.29	15.68	14.49	140	6	14.49 0.25	DTW 18	2	18	52	14.49
PW-6B	0.19	14.46	14.40	140	6	14.40 0.25	DTW 66	2	66	86	14.40
PW-7A	0.41	11.92	10.74	180	6	0.25	90	2	90	110	
PW-7B	0.20	11.86	10.75	180	6	0.25	124	2	124	144	
PW-8A	0.21	11.92	13.15	281	6	0.25	18	2	18	46	
PW-8B	0.30	11.89	11.55	281	6	0.25	60	2	60	100	
PW-9A	—	—	17.15	280	6	0.25	10	1	10	48	
PW-9B	—	—	17.13	280	6	0.25	62	1	62	85	
PW-10A	0.35	12.35	16.56	88.5	6	0.25	19	2	19	50	

Well Reference Table
Nc nn

2/13/12 Eng, DB

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
PW-10B	0.27	12.27	12.95	88.5	6	0.25	64	2	64	84	
PW-11	0.07	11.50	11.64	80	6	--	--	6	13	80	
PW-12	0.24	11.67	12.78	80	6	--	--	6	13	80	
PW-13	0.27	11.93	14.30	80	6	--	--	6	19	80	
PW-14	3.54	12.06	15.50	80	6	--	--	6	18.0	80	
Recovery Well	5.82	15.17	13.99								
RI-19D	0.93	12.35	4.08	80				2	70	80	
RI-19S	0.51	12.41	4.02	58				2	46	56	
RI-20D	0.50	12.20	9.18	110				2	100	110	
RI-20S	0.43	12.27	12.49	80				2	70	80	
RW-1	1.41	12.47	14.65	70				6	23	70	
RW-2	0.21	11.92	10.43	150				6	80	150	
RW-3	0.26	11.96	3.72	210				6	150	210	
W-1	3.05	15.34	9.35	40				3.5	9	40	
W-3	0.50	11.82	6.24	23				3.5	12	23	
W-4	1.25	12.16	5.60	30				3.5	16	30	
W-8	0.65	12.05	3.03	30				3.5	15	30	
W-10	2.07	11.16	9.63	34				2	7	47	
W-12	2.32	10.16	6.82	40				3.5	7	40	
W-13	0.81	11.37	5.55	44				3.5	10	44	
W-14	5.00	10.71	11.68	36				3.5	6	36	
W-16	1.10	12.02	12.48	47				3.5	9	47	
W-17	0.60	11.44	8.43	44				3.5	6	44	

32' from Sewer Drain

TOC - Top of Casing

	Do	Temp	DTW
RW-4S	0.35	11.92	5.32
RW-4I	0.23	11.89	5.99
RW-4D	0.22	11.96	8.03
RW-5S	1.25	12.58	9.40
RW-5I	0.22	12.09	9.66 → 9.66
RW-5D	0.22	12.05	9.38

GROUNDWATER SAMPLING FIELD DATA SHEET Sunny 36°F

DATE: 02/14/12 SITE/PROJECT: 1863 SAMPLING TEAM: DZ/HY

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
	SAMPLE LOCATION	~~DTW~~ (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
20	Fox MW-5	43	48	6"			72		G	1051	12.51	0.478		7.54	63.1	554.1	0.0	1115	G	3
										1057	12.32	0.483		7.58	45.9	369.8				
										1104	12.35	0.486		7.60	53.8	75.5				
										1114	12.36	0.486		7.61	57.8	47.8				
70	W-10	32	34	3.5"			20		G	1148	11.75	0.499		6.69	94.2	631.9	0.0	1200	G	3
										1151	12.06	0.344		6.65	108.1	263.8				
										1154	12.07	0.288		6.19	128.9	190.1				
										1157	11.83	0.272		6.09	158.1	133.1				
	W-12	45	47	3.5"			25		G	1213	10.76	0.126		5.37	225.9	105.3	0.0	1225	G	3
										1216	10.74	0.131		5.47	224.1	88.3				
										1219	10.71	0.140		5.59	225.1	92.3				
										1223	10.68	0.141		5.61	229.1	77.6				
	W-14	45	47	3.5"			22		G	1237	11.22	0.127		5.63	220.1	232.1	0.6	1250	G	3
										1240	11.54	0.208		6.12	188.1	224.1				
										1243	11.59	0.232		6.26	178.4	153.7				
										1246	11.63	0.240		6.30	179.1	150.1				
140	PW-8B	98	100	2"			40		G	1303	12.46	0.563		7.18	17.9	54.7	0.0	1320	G	3
										1307	12.87	0.568		7.28	-24.1	3.0				
										1311	12.87	0.568		7.29	-27.2	1.0				
										1317	12.87	0.568		7.29	-25.1	0.7				
175	PW-10B	82	84	2"			40		G	1329	12.97	0.480		7.55	-26.1	11.9	0.0	1345	G	3
										1335	13.19	0.478		7.57	-19.4	9.3				
										1337	13.19	0.477		7.56	-12.7	8.5				
										1343	13.17	0.482		7.57	-44.1	4.7				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET - 2484 W-1 RW-1

DATE: 02/15/12 SITE/PROJECT: 1863 B70 Wells SAMPLING TEAM: DZ/JN

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS									SAMPLING		
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	No. of FI
15	PW-11	77	80	6"			80		G	733	12.05	0.535		7.65	48.8	16.6	0.2	0810	G	6 1
										738	12.42	0.559		7.68	42.0	8.1				
										750	12.47	0.532		7.65	36.2	6.3				
										0809	12.51	0.530		7.66	33.2	4.9				
	PW-8A	44	46	2"			30		G	0755	12.19	0.480		7.45	42.3	106.1	0.0	0815	G	6 1
										0759	12.61	0.469		7.47	46.9	27.1				
										0804	12.78	0.444		7.35	61.0	12.1				
										0812	12.81	0.445		7.37	65.1	8.5				
1:25	RI-205	77	80	2"			50		G	0833	12.48	0.574		7.59	50.3	14.2	0.0	0900	G	6 1
										840	12.65	0.588		7.59	42.7	2.3				
										0849	12.86	0.603		7.59	43.8	0.6				
										0856	12.88	0.606		7.59	44.1	0.3				
1:45	PW-10A	48	50	2"			35		G	0912	12.55	0.724		7.23	86.1	165.1	3.2	0940	G	6 1
										0918	13.13	0.803		7.02	83.1	10.4				
										0927	13.07	0.791		7.03	61.8	3.4				
										0936	13.02	0.789		7.04	57.4	0.7				
2:00	W-16	45	47	3.5"			40		G	0953	12.86	0.414		7.05	105.8	219.4	4.4	1020	G	6 1
										0959	13.00	0.381		6.97	89.0	143.2				
										1010	12.98	0.340		7.00	97.1	41.3				
										1017	13.03	0.393		7.01	100.1	26.0				
2:55	W-1	38	40	3.5"			25 weird!	1.0 1.5	G	1033	15.39	0.4574		6.00	190.5	142.6	1.8	1110	G	6 1
										1037	14.70	3.331		6.07	193.1	158.1				3 2484
										1050	15.10	3.319		6.09	184.1	56.1				
										1108	15.14	3.314		6.11	179.8	43.1				
4:29 50 gal	RW-1	68	70	6"			70		G	1121	13.26	1.791		6.95	139.3	10.6	2.0	1200	G	6 1
										1129	13.19	1.781		6.95	131.1	10.1				3 2484
										1140	13.35	1.772		6.96	109.8	6.9				
										1155	13.37	1.761		6.97	95.8	4.1				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 1120: Began unloading 280 GALS into AST

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GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 02/15/12 / 02/16/12 SITE/PROJECT: 1863 Cloudy 42°F Overnight SAMPLING TEAM: DZ / HJ

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD
PW-12	77	80	6"	Decon 100FT Tubing		80		G	1236	12.13	0.675		7.50	16.6	23.7	2.0	1300	G
									1236	12.48	0.675		7.44	24.7	3.5			
									1245	12.47	0.673		7.43	25.9	0.8			
									1257	12.48	0.672		7.43	21.6	0.7			
75 PW-13	77	80	6"	Decon 100FT Tubing		80		G	1317	12.35	0.627		7.60	53.2	40.1	4.2	1415	G
									1328	12.74	0.662		7.62	19.0	32.7			
									1349	12.83	0.665		7.61	22.0	31.6			
									1309	12.79	0.6604		7.61	19.4	28.6			
2/16 W-3	22	23				22		G	0933	11.60	0.298		6.78	-37.5	705.1	3.8	0945	G
									0937	11.98	0.305		6.65	-36.5	611.1			
									0940	11.89	0.312		6.63	-22.1	168.3			
									0944	11.91	0.312		6.62	-24.4	101.9			
~~W-8~~	~~28~~	~~30~~				~~30~~		~~G~~										
DZ						DZ												
~~W-4~~	~~28~~	~~30~~				~~30~~		~~G~~										
2/19/12 ~~W-5~~									~~0933~~	~~11.60~~	~~0.248~~		~~6.78~~	~~-59.5~~	~~705.5~~			
									DZ									
20 RS-195	54	58		Decon 100FT Tubing		40		G	1033	12.52	0.245		6.91	-33.8	4.3	8.0	1100	G
									1039	12.56	0.320		6.92	-78.1	0.0			
									1048	12.68	0.244		6.86	-74.1	0.0			
									1057	12.68	0.244		6.85	-76.1	0.0			

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET

Light RAIN 36°F

DATE: 02/16/12 SITE/PROJECT: 1863 SAMPLING TEAM: DEJ/AY

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS									SAMPLING		
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
60	RJ-19D	78	80	2"			50		G	1111	12.95	0.264		5.99	-82.7	0.6	8.2	1140	G	3
										1119	13.00	0.264		7.01	-93.6	0.0				
										1126	13.00	0.264		7.01	-93.8	0.1				
										1136	13.01	0.264		7.02	-93.9	0.0				
155	PW-14	77	80	6"			80		G	1212	12.56	0.103		5.61	130.1	71.1	9.6	1250	G	3
										1222	12.72	0.143		5.91	195.6	43.7				
										1235	12.70	0.146		5.94	193.7	34.7				
										1256	12.73	0.156		5.99	191.9	17.4				
155	PW-2	57	59	6"			60		G	1307	13.65	1.711		5.83	222.1	14.7	0.8	1350	G	DUP 6
										1319	14.02	1.731		5.84	205.1	22.9				
										1328	14.16	1.733		5.84	201.4	17.9				
										1346	14.24	1.731		5.85	199.1	14.3				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 1410: DEWATER TANK INTO ADT 300 GALS

GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 02/16/12 SITE/PROJECT: 2484 SAMPLING TEAM: JS

light RAIN 39°F

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	DTW METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
A3	4.55	11	6"					4.55	11:20	start									
								4.81	11:23	9.02	71	11.90	2.68	154.2	84.0			P	3
								4.87	11:26	9.05	71	11.83	3.53	153.1	35.97		11:30		
								4.99	11:29	9.02	70	11.78	4.13	149.1	21.3				
								5.05	11:31	9.02	71	11.72	4.20	146.9	17.0				
								5.08	11:34	9.07	71	11.66	4.28	145.1	16.1	0			
								5.14	11:37	9.01	70	11.66	4.29	150.0	10.0				
									11:40	sample							2.5 gallons purge		
A14	12.05							12.10	11:55	start									
								12.30	11:58	11.65	1347	3.56	6.57	-40.8	30.10			P	3
								12.48	12:01	12.67	1410	2.72	7.57	-112.8	17.26				
								12.55	12:04	12.84	1406	2.39	8.11	-108.6	13.14				
								12.90	12:07	12.85	1404	2.31	8.51	-109.6	11.09				
								12.75	12:10	12.86	1400	2.26	8.60	-111.1	10.01		12:20		
								12.78	12:15	12.89	1401	2.25	8.63	-113.4	9.71				
									12:16	sample							2.5 gallons purge		
A12	15.32							15.32	12:38	start									
								15.39	12:41	12.36	463	10.91	9.73	-84.0	75.8			P	3
								15.55	12:44	12.62	462	10.87	9.70	-92.3	63.1				
								15.85	12:47	12.56	463	10.80	9.65	-92.1	59.1				
								15.95	12:50	12.61	465	10.55	9.55	-88.7	57.8				
								16.45	12:53	12.62	405	10.81	9.61	-87.0	47.1				
									12:56	sample							12:53		
																	2.5 gallons purge		

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

GROUNDWATER SAMPLING FIELD DATA SHEET

Light Rain 39°F

DATE: 2/16/17 SITE/PROJECT: 2484 SAMPLING TEAM: JS.

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD
A-13								13.94	13:02	Start								
	13.94								13:07	12.33	2659	2.06	9.63	-63.2	2.64			P 3
								P	13:10	12.58	2646	2.34	9.66	-67.4	18.01			
									13:13	12.42	2634	2.17	9.51	-64.1	15.11			
									13:16	12.34	2618	2.04	9.53	-74.1	8.70			
									13:19	12.35	2610	1.98	9.61	-77.1	9.97		1325	
									13:22	12.38	2603	1.88	9.67	-70.1	6.96			
									13:25	Sampled						- purged 2.5		purged
									1400	6.76	0.481	10.82	8.55	850	541.3			
EFFLUEN									1415	10.04	0.460	10.30	8.12	8.10	407.1			3
									1418	10.35	0.466	10.27	8.04	8.40	130.9		1425	
									1426	Sampled.								

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

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GROUNDWATER SAMPLING FIELD DATA SHEET Sunny 42°F

DATE: 02/17/12 SITE/PROJECT: 1863 SAMPLING TEAM: DEH

WELL INFORMATION						PURGE INFORMATION			PARAMETERS									SAMPLING		
SAMPLE LOCATION	STK (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe		TIME	METHOD	
W-8	28	30	3.5"			30		G	0922	11.99	0.282		5.87	135.5	10.0	0.0		0935	G	3
									0926	11.83	0.216		5.91	136.3	8.1					
									0930	11.63	0.173		5.91	117.6	7.1					
									0934	11.54	0.168		5.92	115.3	6.3					
W-4	28	30	3.5"			30		G	1002	12.59	0.094		5.55	122.4	18.3	0.6		1015	G	3
									1006	12.51	0.084		5.31	175.1	12.0					
									1010	12.42	0.084		5.27	191.3	5.0					
									1014	12.40	0.084		5.26	201.3	2.1					
75 PW-1	56	60	6"			70		G	1031	16.54	2.629		5.14	235.4	431.9	10.0		1100	G	3
									1040	16.55	2.408		5.55	183.1	249.6					
									1050	16.46	2.101		5.96	200.1	136.1					
									1058	16.47	2.100		5.97	201.4	71.4					
Recovery Well	92	96	6"			100		G	1035	15.71	2.757		5.67	226.8	20.9	1.2		1115	G	3
									1047	15.73	2.342		6.06	205.1	11.9					
									1058	15.76	1.986		6.31	189.3	10.6					
									1112	15.78	1.969		6.33	195.6	8.9					

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: END TOTALIZER: 42362228

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GROUNDWATER SAMPI ELD DATA SHEET

RAIN 51°F

DATE: 05/02/12 SITE/PROJECT: 1863 MNA GWS SAMPLING TEAM: DZ/KH

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	mS/cm COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
W-10	32	34	3.5			20			0848	11.52	0.447		6.04	254	5.6	1.39	0900	G	machine
									0852	11.55	0.446		5.92	264	33.3				
									0856	11.60	0.451		5.88	265	44.9	1.50			color water
									0859	11.66	0.455		5.85	265	53.9				
W-12	45	47	3.5			25			0912	11.23	0.311		5.75	245	19.6	0.54	0925	G	
									0915	11.13	0.191		5.13	292	7.8				
									0918	11.15	0.190		5.09	303	4.3	0.30			
									0923	11.18	0.190		5.07	300	3.9				
Fox MW-5	43	48	6			72			0946	12.25	0.651		6.88	234	49.6	3.3	1010	G	
									0952	12.49	0.661		7.54	215	48.1				
									0959	12.52	0.661		7.75	207	5.6				
									1008	12.51	0.662		7.81	203	0.0	4.0			
1125 W-14	45	47	3.5			22			1049	11.19	0.135		6.86	278	8.1	0.89	1105	G	
									1052	12.15	0.261		6.24	244	40.2				
									1056	12.26	0.323		6.51	227	14.1				
									1100	12.26	0.345		6.61	224	9.3	1.20			
1127 PW-8	98	100	2"			40			1110	12.15	0.757		6.94	169	33.8	1.60	1130	G	
									1115	12.82	0.786		7.42	28	0.7				
									1122	12.90	0.787		7.49	1	0.0	1.00			
									1129	12.88	0.791		7.54	-18	0.0				
1127 PW-12	77	80	6"			80		New TUBING 100 FT	1144	12.39	0.938		7.62	-15	0.0	0.35	1235	G	
									1205	13.00	0.932		7.70	8	0.0				
									1227	12.95	0.928		7.71	15	0.0	0.80			
									1232	12.91	0.927		7.71	18	0.0				
25 PW-13	77	80	6"			80		Dedicated 100 FT Tubing	1324	12.46	0.810		7.96	-54	5.7	1.31	1405	G	
									1341	12.94	0.833		7.94	-53	6.6				
									1350	12.97	0.836		7.94	-53	15.0	1.50			
									1401	13.00	0.835		7.93	-53	16.1				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: 1240 - 1320 unloaded GW into AST

BIO Wells

GROUNDWATER SAMPL[illegible]ELD DATA SHEET

Cloudy 51°F

DATE: 05/02/12 + 05/03/12 SITE/PROJECT: 1863 MNA GWS Short List SAMPLING TEAM: DZ/HY

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	MS/Cm COND	DO	pH	MV ORP	NTU Trub	Mg/L Fe	TIME	METHOD
100 05/02	PW-10B	82	84	2"	VOAS 6	FI 1	40			1414	13.42	0.755		7.92	145	7.7	0.49	1450	G
										1425	13.93	0.644		7.89	113	0.0			
										1433	13.73	0.647		7.89	95	0.0	1.30		
										1448	13.73	0.647		7.89	78	0.0			
05/03 25	PW-8A	44	46	2"	6	1	30			0901	12.63	0.665		7.91	237	86.1	2.12	0925	G
										0912	12.42	0.658		7.78	204	1.4			
										0916	12.38	0.658		7.65	193	35.8	2.0		
										0923	12.42	0.649		7.65	187	17.2			
	PW-11	77	80	6"	6	1	80			0900	13.24	0.750		7.88	218	1.5	0.63	0940	G
										0914	13.08	0.748		7.85	198	0.2			
										0926	12.94	0.747		7.82	173	0.0	1.0		
										0937	13.04	0.722		7.82	153	0.0			
	RI-205	77	80	2"	6	1	50			0934	13.10	0.800		7.80	154	0.0	3.3	1000	G
										0941	13.14	0.810		7.81	157	0.0			
										0950	13.20	0.811		7.85	159	0.0	3.0		
										0957	13.25	0.861		7.86	164	0.0			
155	PW-10A	48	50	2"	6	1	35			1014	13.11	0.892		7.76	179	282	3.3	1040	G
										1019	13.59	0.670		7.37	183	0.0			
										1026	13.56	1.05		7.36	180	0.0	9.5		
										1036	13.59	1.05		7.36	178	0.0			
	W-16	45	47	3.5"	6	1	40			1051	13.21	0.573		7.51	227	10.9	0.36	1120	G
										1057	13.42	0.530		7.37	220	51.5			
										1104	13.43	0.529		7.36	217	19.9	0.56		
										1118	13.46	0.528		7.36	214	7.8			
26	W-1	38	40	3.5'	6	1	25	1.5		1144	15.23	2.28		6.81	239	132	2.73	1200	
										1149	15.06	2.35		6.92	210	79.1			
										1154	15.68	2.36		6.65	185	62.0	3.0		
										1159	15.73	2.35		6.63	181	61.3			

Machine

wheel

1

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: PW-10A - Spoke To chris hine → See Hy Notes meter reading FI 7.0
USED Wieghted BAILER To collect GW HATCH KIT 6.5

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Cloudy
58°F

GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 05/03/12 / 05/04/12 SITE/PROJECT: 1863 MNA GWS SAMPLING TEAM: DZ/HY

	WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
	SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	~~WATER COLUMN~~	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	MS/cm COND	DO	pH	ORP	Trub	mg/L Fe	TIME	METHOD
530 well	RW-1	68	70	6"	VOA 6	FI 1	70		Decon 100FT Tubing 1243	1145	13.60	2.34		7.13	212	2.0	2.45	1245	G
										1154	13.67	2.31		7.14	164	8.2			
										1223	13.65	2.30		7.23	169	5.0	2.75		
										12[illegible]	13.68	2.27		7.29	180	0.0			
125	PW-2	57	59	6"	3		60		Decon 100FT Tubing	1307	13.73	2.06		6.61	255	5.1	0.73	1345	G
										1320	14.06	1.78		6.16	258	0.0			
										1331	14.17	1.51		6.10	271	0.0	1.00		
										1341	14.22	1.23		6.06	305	0.0			
	☆ PW-14	77	80	6"	3		80		Decon 100FT Tubing	1310	14.12	0.182		6.27	247	30.1	2.39	1415	G
										1321	14.22	0.117		6.01	257	6.4			
										1375	14.21	0.134		6.42	262	4.9	8.00		
										1410	13.98	0.148		6.43	271	0.0			
20	Recovery Well	92	96	6"	3		100			1433	15.72	3.25		6.41	282	11.9	0.44	1525	G
										1447	15.45	2.77		6.58	245	0.0			
										1505	15.31	2.64		6.57	256	0.0	0.70		
										1521	15.22	2.58		6.56	263	0.0			
05/03	☆ PW-1	56	60	6"	3		70			1435	16.96	3.10		5.45	282	79.9	2.50	1515	G
										1449	16.85	3.06		5.61	290	31.0			
										1504	16.74	3.03		5.71	296	12.1	8.50		
										1511	16.81	3.07		5.52	303	5.1			
25 05/04	W-3	22	23	3.5	3		23			0934	12.63	0.451		6.93	233	44.4	2.93	0955	G
										0941	12.37	0.438		6.73	38	319			
										0947	12.26	0.433		6.56	15	191	3.0		
										0953	12.27	0.433		6.49	15	109			
50 50	RI-195 ☆	54	58	2"	6		40		Decon 100FT Tubing	1020	13.06	0.333		6.89	-42	34.6	2.22	1045	G
										1026	13.19	0.330		6.81	-57	0.0			
										1035	13.13	0.329		6.80	-61	0.0	8.3		
										1042	13.15	0.327		6.81	-63	0.0			

DUP

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

☆ RI-195 2 to 1 DILUTION FE

☆ PW-14 2 to 1 RATIO DILUTION multiply x 3 FE

☆ PW-1 2 to 1 DILUTION FE

Rinsate Blank 0.1000 [illegible]

FIELD BLANK 845 - SIM VOCS

GROUNDWATER SAMPLING FIELD DATA SHEET

Cloudy 58°F

DATE: 05/04/12 SITE/PROJECT: 1863 MNA GWS Short List SAMPLING TEAM: DZ/HG

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING		
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD	
RJ-190	78	80	2"			50			1056	12.93	0.348		6.99	-73	0.0	2.93	1130		machine
									1107	12.99	0.347		7.07	-82	0.0				
									1118	12.97	0.345		7.13	-88	0.0	6.3			Wheel
									1127	12.96	0.348		7.16	-91	0.0				
190 W-4	28	30	3.5"			30			1145	12.94	0.111		5.91	53	29.4	1.06	1210		
									1153	12.91	0.107		5.45	204	0.0				
									1159	12.82	0.107		5.43	239	0.0	1.5			
									1207	12.85	0.107		5.43	253	0.0				
EFFLUENT									1255	16.93	0.744		8.65	172	11.6		1310		
									1257	16.42	0.672		8.54	182	10.1				
									1259	15.89	0.635		8.38	155	79.1				
									1302	15.64	0.402		8.35	101	73.1				

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS: RJ-190 1 to 1 DILUTION FE END TOTALIZER: 42363456

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1863 BAE

Semi-Annual Monitoring List
Aerojet - East Camden, Arkansas

DZ | HY

2012

Sampling Location	Date	Monitoring Program	Analysis
W-1	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
W-10	05/02	Short List (OU-1)	VOCs (Method 8260)
W-12	05/02	Short List (OU-1)	VOCs (Method 8260)
W-14	05/02	Short List (OU-1)	VOCs (Method 8260)
W-16	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
Recovery Well	5/3	Short List (OU-1)	VOCs (Method 8260)
RW-1	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
RI-20S	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
PW-1	5/3	Short List (OU-1)	VOCs (Method 8260)
PW-2	5/3	Short List (OU-1)	VOCs (Method 8260)
PW-8A	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
PW-8B	05/02	Short List (OU-1)	VOCs (Method 8260)
PW-10A	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
PW-10B	05/02	Short List (OU-1)	VOCs (Method 8260)
PW-11	5/3	Short List (OU-1) Bio MW	VOCs (8260), low-level vinyl chloride SIM Method, FI
PW-12	05/02	Short List (OU-1)	VOCs (Method 8260)
PW-13	05/02	Short List (OU-1)	VOCs (Method 8260)
PW-14	05/3	Short List (OU-1)	VOCs (Method 8260)
Fox MW-5	05/02	Short List (Off-site)	VOCs (Method 8260)
W-4	05/04	Short List (OU-2)	VOCs (Method 8260)
W-3	05/04	Short List (OU-2)	VOCs (Method 8260)
DUP RI-19S	05/04	Short List (OU-2)	VOCs (Method 8260)
RI-19D	05/04	Short List (OU-2)	VOCs (Method 8260)
Effluent	05/04	NPDES Sampling (#2484)	Tetrachloroethene, Trichloroethene via EPA 624
trip blank	a	QA/QC Samples	VOCs (Method 8260)
field blank	05/04	QA/QC Samples	VOCs (8260), low-level vinyl chloride SIM Method, FI
rinsate blank	05/04	QA/QC Samples	VOCs (Method 8260)
DUP	05/04	RI-19S	

Well Refe[illegible] Table
North [illegible]nn

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
~~A-2~~				~~9.5~~	6	--	--	6	0	9.5	
A-3	1.11	12.59	2.20	11	6	--	--	6	0	11	
A-4	4.83	11.86	9.48	10	6	--	--	6	0	10	
A-5	2.96	12.85	10.50	12	6	--	--	6	0	12	
A-6	6.43	11.69	10.15	12	6	--	--	6	0	12	
A-7	5.18	11.35	7.82	21	6	--	--	6	0	21	
A-8	8.57	13.88	9.05	12	6	--	--	6	0	12	
A-9	7.11	13.50	10.88	13	6	--	--	6	0	13	
A-11	3.26	14.65	13.11	22	6	--	--	6	0	22	
A-12	6.10	12.11	14.19	24	6	--	--	6	0	24	
A-13	2.97	12.30	12.61	19	6	--	--	6	0	19	
A-14	2.95	11.92	11.60	19	6	--	--	6	0	19	
A-16	ABANDONED			9.5	6	--	--	6	0	9.5	
A-17	~~AB~~	~~DO~~		11.5	6	--	--	6	0	11.5	
A-18		~~DO~~		13	6	--	--	6	0	13	
Fox MW-1	0.21	12.07	4.96	48				6			
Fox MW-2	0.20	11.58	10.49	48				6			
Fox MW-5	2.41	11.73	11.24	48				6			
PW-1	4.55	15.88	13.45	60	6	0	11	3.78	11	60	
PW-2	3.61	13.37	15.18	61	6	0	12	6	12	61	
PW-3	2.90	12.13	11.21	60	6	0	12	3.78	12	60	
PW-4	2.68	15.88	8.45	61	6	0	12	6	12	61	
PW-5	4.22	15.15	8.36	70	6	0	11	3.78	11	70	
PW-6A	0.23	15.75	13.21	140	6	0.25	18	2	18	52	
PW-6B	0.37	14.78	13.89	140	6	0.25	66	2	66	86	
PW-7A	0.41	12.11	10.51	180	6	0.25	90	2	90	110	
PW-7B	0.27	11.90	10.52	180	6	0.25	124	2	124	144	
PW-8A	0.30	12.18	13.04	281	6	0.25	18	2	18	46	
PW-8B	0.23	11.92	11.41	281	6	0.25	60	2	60	100	
PW-9A			17.05	280	6	0.25	10	1	10	48	
PW-9B			17.03	280	6	0.25	62	1	62	85	
PW-10A	12.46	0.41	16.21	88.5	6	0.25	19	2	19	50	

Well Refe[illegible] Table
Nort[illegible]n

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
PW-10B	0.22	12.32	12.71	88.5	6	0.25	64	2	64	84	
PW-11	0.67	11.53	13.12	80	6	--	--	6	13	80	
PW-12	0.21	11.72	12.52	80	6	--	--	6	13	80	
PW-13	1.72	11.96	14.68	80	6	--	--	6	19	80	
PW-14	4.07	12.12	15.43	80	6	--	--	6	18.0	80	
Recovery Well	7.02	14.16	14.28								
RI-19D	0.27	12.28	7.49	80				2	70	80	
RI-19S	0.43	12.26	4.48	58				2	46	56	
RI-20D	~~0.89~~	~~12.28~~	8.95	110				2	100	110	
RI-20S	0.42	12.35	12.38	80				2	70	80	
RW-1	2.35	12.51	14.39	70				6	23	70	
RW-2	0.20	11.99	10.57	150				6	80	150	
RW-3	0.19	11.99	4.24	210				6	150	210	
W-1	4.25	15.35	8.09	40				3.5	9	40	
W-3	0.45	10.90	3.42	23				3.5	12	23	
W-4	2.78	11.83	6.36	30				3.5	16	30	
W-8	0.66	11.62	3.77	30				3.5	15	30	
W-10	1.57	10.92	9.37	34				2	7	47	
W-12	1.91	10.54	7.65	40				3.5	7	40	
W-13	0.94	11.47	5.54	44				3.5	10	44	
W-14	3.94	10.59	11.50	36				3.5	6	36	
W-16	1.21	12.79	12.92	47				3.5	9	47	
W-17	0.38	11.68	8.50	44				3.5	6	44	

TOC - Top of Casing

5/1/12 DZ, HY
1863 (BAE)

Well Refer[illegible]able
North Penn

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval		Screen/Bore Hole Diameter (Inches)	Screen Interval		WATER COLUMN
						Top of Casing/Riser	Bottom of Casing/Riser		Top of Screen/Open Interval	Bottom of Screen/Open Interval	
W-6			5.71								
RW-6S			7.22								
6I											
6D			6.82								
RW-5S			10.19								
5I			7.31								
5D			10.12								
RI-29			7.09								
RW-4S			6.15								
4I			6.65								
4D			8.51								
RI-30			5.50								
RI-31			6.99								
W-9			3.40								

Artesian
Water Is above casing

SEE HY NOTES IN FIELD BOOK

4

Location Landsdale, PA Date 8/13/12

Project / Client BAE 1863

HY

	D	DO	Temp
RW-6I	148	.12	12.26
	140	.11	12.18
	130	.09	12.21
	120	.06	12.26
	110	.05	12.32
	100	.02	12.41
	90	.01	12.50
	80	.01	12.60
	70	.01	12.71
	60	.07	12.84
	50	1.2	12.98
	40	1.2	13.09
	30	1.2	13.17
	20	1.2	13.75
	10	2.2	17.21
RW-6D	200	0.05	12.10
	190	0.04	12.11
	180	0.04	12.13
	170	0.04	12.15
	160	0.03	12.16
	150	0.04	12.07
	140	0.03	12.22
	130	0.03	12.26
	120	0.03	12.32

5

Location Date 8/13/12

Project / Client 1863

HY

Depth	DO	Temp
110	0.04	12.40
100	0.04	12.48
90	0.04	12.57
80	0.04	12.70
70	0.04	12.81
60	0.04	12.95
50	0.04	13.10
40	0.33	13.23
30	0.14	13.28
20	0.07	13.65
10	0.08	16.24
0		

D	Time	DO	Temp
RW-5D	~~200~~		
200	1325	0.21	1205
190	1326	0.08	12.06
180	1328	0.08	12.08
170	1330	0.08	12.07
160	1331	0.08	12.07
150	1332	0.08	12.03
140	1333	0.08	12.04
130	1335	0.07	12.06
120	1337	0.06	12.07
110	1339	0.06	12.09

ENVIRONMENTAL ALLIANCE

Location

Date 8/13/12

Project / Client 1863

HY

Depth	Time	DO	Temp
100	1341	0.06	12.12
90	1343	0.06	12.16
80	1345	0.06	12.18
70	1347	0.06	12.24
60	1348	0.06	12.28
50	1351	0.07	12.35
40	1354	0.08	12.53
30	1356	0.08	12.61
20	1358	0.09	13.08
10	1400	0.83	13.65
RW-5I			
150	1407	0.10	12.01
140	1409	0.08	12.03
130	1411	0.08	12.04
120	1415	0.06	12.06
110	1417	0.08	12.08
100	1421	0.15	12.11
90	1422	0.20	12.15
80	1423	0.25	12.20
70	1425	0.25	12.27
60	1426	0.22	12.37
50	1428	0.19	12.49

Location

Date 8/13/12

Project / Client 1863

HY

40	1430	0.12	12.61
30	1432	0.09	12.69
20	1433	0.09	13.20
10			
RW-4D			
200	1444	0.12	11.97
190	1446	0.10	11.94
180	1448	0.09	11.93
170	1450	0.08	11.98
160	1451	0.08	11.90
150	1454	0.07	11.89
140	1456	0.06	11.89
130	1458	0.06	11.89
120	1500	0.06	11.90
110	1503	0.06	11.85
100	1507	0.07	11.91
90	1510	0.07	11.93
80	1511	0.06	11.98
70	1513	0.07	12.00
60	1516	0.07	12.5
50	1517	0.14	12.09
40	1520	0.38	12.21
30	1522	0.36	12.28

ENVIRONMENTAL ALLIANCE

Location _____ Date 8/13/12

Project / Client 1863

H4

20	1524	0.26	12.66

RW-4I

Depth	Time	DO	Temp.
150	1530	0.05	11.95
140	1532	0.05	11.98
130	1534	0.04	11.98
120	1537	0.04	11.88
110	1540	0.04	11.88
100	1542	0.04	11.90
90	1544	0.04	11.92
80	1546	0.04	11.95
70	1548	0.04	11.98
60	1550	0.04	12.05
50	1552	0.04	12.10
40	1554	0.04	12.22
30	1555	0.04	12.58
20	1558	0.06	12.68
10			

RW-11

80	1615	0.21	11.54
70	1617	0.19	11.52
60	1619	0.17	11.49

Location _____ Date 8/13/12

Project / Client 1863

H4

50	1621	0.18	11.48
40	1623	0.18	11.46
30	1624	0.17	11.44
20	1626	0.14	11.65
10			

DTW

MW-8A 14.05

MW-8B 14.36

8B

95	1638	0.07	11.98
90	1642	0.05	11.90
80	1645	0.05	11.90
70	1646	0.04	11.91
60	1648	0.04	11.97
50	1650	0.05	12.06
40	1654	0.49	12.06
30	1655	0.65	12.00
20	1657	0.87	12.39
10			

20D

110	1706	0.09	12.24
100	1707	0.07	12.24
90	1708	0.08	12.28

ENVIRONMENTAL ALLIANCE

Location LANSDALE PA Date 8/13/12

Project / Client 1863 Former BAE

DZ/HY HY

80	1711	0.07	12.31
70	1715	0.06	12.35
60	1717	0.05	12.42
50	1719	0.07	12.51
40	~~1721~~ 1721	0.68	12.60
30	1723	1.00	12.65
20	1726	1.00	13.18

0700 - 1915 LL's DO's Tapped

Completed 29 LL's and DO's/Temps

- All wells 1st DO reading 2 Ft off the BOTTOM

12.25hr 29LL's DO's/Temp

0.5hrs make spread sheet

Location LANSALE, PA Date 8/14/12

Project/Client 1863 Former BAE

Heavy Tstorm 0930 DZ/HY

0745 ~~0800~~: Mob To the site

0915: Bought supplies AT Lowes

0930: Onsite, ~~[illegible]~~ DZ Heavy Tstorm.

	OTW		
PW-13	13.1	A-4	9.44
PW-12	15.1	A-3	2.00 Roof Drain High
PW-7A	11.53	A-8	8.35
PW-7B	11.35	A-9	10.88
PW-10A	16.96 - 48'	W-16	14.31
PW-10B	13.44 ~~48~~ 82'	PW-6A	~~[illegible]~~ 15.31
PW-14	16.22	PW-6B	14.55
PW-3	12.58	PW-5	8.58
PW-2	15.82	PW-4	8.61
A-14	12.42	PW-1	13.44
A-13	14.21	Recovery well	15.03
A-12	15.54	W-1	~~15.03~~ 8.12 1430
A-11	14.95	W-13	5.58 14.50
RW-1	15.10	W-17	8.58
RW-2	16.72	Fox MW-2	10.52
RW-3	6.49 1310	Fox MW-5	11.59
A-17	DRY OTB 1330	Fox MW-1	5.08
A-18	DRY OTB 12.65		
A-7	7.62		
A6	10.44		
A5	10.92		

11.5hr

1915

0745 - 1900

15hrs

1730 OFF SITE

NOTES 0.25hrs [illegible]

#1863 08/14/12 HY 1 OF 7

Well ID	Depth	DO	TEMP	Time	Depth	DO	Time	TEMP	DTW
A-2									
A-3									
A-4									
A-5									
A-6									
A-7									
A-8									
A-9									
A-11	20	0.30	12.6	1401					
A-12	20	1.37	12.48	1357					
A-13	17	0.19	13.0	1351					
A-14									
A-16									
A-17									
A-18									

Fox MW-1

Depth	DO	TEMP	Time	DTW
46'				

DZ

Fox MW-2

Depth	DO	TEMP	Time	DTW
46'				

DZ

DONE

Fox MW-3

Depth	DO	TEMP	Time	DTW
46'				

DZ

Environmental Alliance, Inc.

PW-1

Depth	DO	TEMP	Time	DTW
58'	1.69	16.27	1806	
50	1.89	16.35	1607	
40	2.02	16.47	1609	
30	2.11	16.58	1610	
20	2.10	16.72	1611	
10				

8

HY

2 OF 7

08/14/12

PW-2

Depth	DO	TEMP	Time	DTW
59'				

DZ

PW-3

Depth	DO	TEMP	Time	DTW
58'				

DZ

PW-4

Depth	DO	TEMP	Time	DTW
59'	0.09	15.91	1622	
50	0.10	16.02	1628	
40	0.11	16.30	1627	
30	0.16	16.47	1628	
20	0.10	17.10	1630	
10	~~0.07~~	~~20.54~~	~~1631~~	

PW-5

Depth	DO	TEMP	Time	DTW
68'	2.64	15.23	1635	
60	2.38	15.57	1639	
50	2.63	16.00	1641	
40	2.67	16.34	1642	
30	2.72	16.64	16.43	
20	2.79	16.63	16.44	

PW-6A

Depth	DO	TEMP	Time	DTW
50'				

DZ

PW-6B

Depth	DO	TEMP	Time	DTW
84'	0.15	14.72	1652	
80	0.14	14.89	1654	
70	0.18	15.22	1655	
60	0.25	15.53	1656	
50	0.31	15.61	1658	
40	0.39	15.98	1659	
30	0.33	16.55	1701	
20	0.91			
10	2.13	17.33	1705	

83' started going NP

16.71 1705

HY 3 OF 7
08/14/12

PW-7A

Depth	DO	TEMP	Time	DTW
108'	0.19	12.02	1312	
100	0.26	12.04	1314	
90	0.18	12.12	1316	
80	0.14	12.19	1318	
70	0.20	12.24	1320	
60	.27	12.30	1322	
50	~~.37~~	~~12.34~~	1325	
40	0.57	12.40	1327	
30	0.61	12.36	1331	
20			1333	
10				

PW-7B

Depth	DO	TEMP	Time	DTW
142'	0.05	11.96	1236	
130	0.04	11.89	1239	
120	0.03	11.93	1240	
110	0.03	11.98	1242	
100	0.03	12.04	1244	
90	0.02	12.10	1247	
80	0.02	12.13	1250	
70	0.61	12.23	1253	
60	0.01	12.31	1256	
50	0.21	12.38	1258	
40	0.81	12.48	1301	
30	0.98	12.40	1303	
20	1.11	12.43	1304	

PW-8A

Depth	DO	TEMP	Time	DTW
44'				

DZ

PW-8B

Depth	DO	TEMP	Time	DTW
98'				

KDATA ~~INFO~~ IN FIELD BOOK

#4

08/14/12

PW-9A

Depth	DO	TEMP	Time	DTW
46'				

PW-9B

Depth	DO	TEMP	Time	DTW
83'				

No DO

PW-10A

Depth	DO	TEMP	Time	DTW
48'				

DE

PW-10B

Depth	DO	TEMP	Time	DTW
82'				

DE

PW-11

Depth	DO	TEMP	Time	DTW
78'				

INFO IN FIELD BOOK 14

PW-12

Depth	DO	TEMP	Time	DTW

5 OF 7

PW-12

HH

08/14/12

80	0.17	11.72	1140	
70	0.10	11.70	1143	
60	0.07	11.68	1146	
50	0.06	11.67	1148	
40	0.05	11.65	1151	
30	0.04	11.57	1153	
20	0.04	11.49	1156	
10	0.02	11.72	1158	

PW-13

Depth	DO	TEMP	Time	DTW
78'				
70	0.26	11.93	1207	
60	0.29	11.88	1210	
50	0.35	11.79	1213	
40	0.39	11.71	1215	
30	0.41	11.66	1219	
20	0.24	11.62	1224	
10				

PW-14

Depth	DO	TEMP	Time	DTW
78'				

DZ

Recovery Well

Depth	DO	TEMP	Time	DTW
108'	2.13	13.99	1537	
100	2.23	13.93	1539	
90	2.32	14.56	1541	
80	2.48	15.15	1544	
70	2.58	15.58	1546	
60	2.72	16.03	1547	
50	3.31	16.83	1549	
40	3.51	17.25	1551	
30	3.56	17.66	1554	
20	3.59	17.70	1556	
10	3.67	17.78	1557	

RW-1

6 of 7

14

08/14/12

Depth	DO	TEMP	Time	DTW
68'	0.32	12.55	15.13	
60	0.44	12.53	15.15	
50	0.52	12.54	15.16	
40	0.56	12.54	1520	
30	0.64	12.51	1522	
20	0.61	12.49	1525	
10				

RW-2

Depth	DO	TEMP	Time	DTW
148'	0.05	12.02	1432	
140	0.11	11.95	1437	
130	0.15	11.97	1438	
120	0.18	12.01	1440	
110	0.18	12.07	1445	
100	0.17	12.18	1450	
90	0.11	12.28	1451	
80	0.10	12.44	1452	
70	0.04	12.53	1453	
60	0.02	12.55	1455	
50	0.02	12.59	1457	
40	0.02	12.64	1500	
30	0.02	12.68	1503	
20	0.02	12.62	1505	
10				

RW-3

Depth	DO	TEMP	Time	DTW
200'	0.16	12.08	1355	
190	0.04	11.96	1359	
180	0.03	11.95	1404	
170	0.02	11.94	1406	
160	0.02	11.94	1407	
150	0.02	11.95	1408	
140	0.01	11.99	1409	
130	0.01	12.04	1410	
120	0.01	12.05	1411	
110	0.01	12.18	1412	
100	0.01	12.23	1413	
90	0.01	12.36	1414	
80	0.01	12.48	1415	
70	0.01	12.63	1417	
60	0.01	12.76	1418	
50	0.01	12.78	1418	

HY

08/14/12

40	0.01	12.73	1419
30	0.01	12.64	1420
20	0.01	12.81	1421
10	0.02	15.99	1422

W-1

Depth	DO	TEMP	Time	DTW
38'				

DZ

W-13

Depth	DO	TEMP	Time	DTW
42'				

DZ

W-16

Depth	DO	TEMP	Time	DTW
45'				

DZ

W-17

Depth	DO	TEMP	Time	DTW
42'				

DZ

DZ 1 OF 3

#1863

Well ID	Depth	DO	Geologist	Date
RW-6I	In	FB	HY	08/13/12
RW-6D	In	FB	HY	08/13/12
RW-5D	In	FB	HY	08/13/12
RW-5I	In	FB	HY	08/13/12
RW-4D	In	FB	HY	08/13/12
RW-4I	In	FB	HY	08/13/12
PW-11	In	FB	HY	08/13/12
PW-8A	In	FB	HY	08/13/12
RI-20D	In	FB	HY	08/13/12

RI-19D

Depth	DO	Temp	Time	Date
78'	0.12	12.60	1440	08/13/12
70'	0.13	12.50	1441	08/13/12
60'	0.13	12.40	1442	08/13/12
50'	0.34	12.50	1443	08/13/12
40'	0.81	12.50	1444	08/13/12
35'	1.39	12.60	1445	08/13/12
30'	1.41	12.60	1446	08/13/12
20'	1.43	12.70	1448	08/13/12
10'	1.44	14.60	1449	08/13/12

RI-19S

Depth	DO	Temp	Time	Date
56'	0.10	12.80	1420	08/13/12
50'	0.10	12.60	1421	08/13/12
40'	0.10	12.60	1422	08/13/12
35'	1.83	12.60	1423	08/13/12
30'	2.12	12.60	1425	08/13/12
20'	2.10	12.70	1427	08/13/12
10'	2.46	14.90	1429	08/13/12

RI-20S

Depth	DO	Temp	Time	Date
78'	0.09	12.90	1700	08/13/12
70'	0.09	12.60	1701	08/13/12
60'	0.08	12.50	1702	08/13/12
50'	0.08	12.50	1703	08/13/12
42'	0.36	12.60	1705	08/13/12
40'	0.50	12.60	1706	08/13/12
35'	0.65	12.60	1707	08/13/12
30'	0.68	12.60	1708	08/13/12
25'	0.77	12.60	1709	08/13/12
20'	2.24	12.90	1710	08/13/12
15'	2.59	13.10	1711	08/13/12

W-3

Depth	DO	Temp	Time	Date
21'	0.12	12.60	1500	08/13/12
20'	0.12	12.00	1502	08/13/12
15'	0.27	12.70	1503	08/13/12
10'	0.51	13.60	1505	08/13/12

W-4

Depth	DO	Temp	Time	Date
28'	0.72	12.20	1242	08/13/12

DONE

W-4

(D3) 2 of 3

#1863

25'	2.38	11.80	1244	08/13/12
20'	2.47	11.80	1245	08/13/12
15'	2.60	12.30	1246	08/13/12
10'	2.71	12.50	1247	08/13/12
W-6				
Depth	DO	Temp	Time	Date
28'	2.81	13.20	1050	08/13/12
25'	3.72	12.40	1052	08/13/12
20'	3.46	12.80	1054	08/13/12
15'	13.94	13.00	1056	08/13/12
10'	5.04	15.40	1058	08/13/12
W-8				
Depth	DO	Temp	Time	Date
28'	0.22	12.30	1338	08/13/12
25'	0.22	12.00	1339	08/13/12
20'	0.38	11.90	1341	08/13/12
15'	0.39	12.30	1342	08/13/12
10'	0.42	13.60	1343	08/13/12
W-9				
Depth	DO	Temp	Time	Date
42'	0.28	12.50	1515	08/13/12
40'	0.28	12.40	1516	08/13/12
30'	0.32	12.50	1518	08/13/12
25'	0.41	12.70	1519	08/13/12
20'	0.50	12.80	1520	08/13/12
10'	0.59	14.10	1521	08/13/12
W-10				
Depth	DO	Temp	Time	Date
32'	0.47	12.40	1555	08/13/12
30'	0.50	11.90	1556	08/13/12
25'	0.27	11.60	1558	08/13/12
20'	0.11	11.40	1559	08/13/12
15'	0.99	11.70	1600	08/13/12
W-12				
Depth	DO	Temp	Time	Date
38'	2.43	11.40	1610	08/13/12
35'	3.14	11.10	1611	08/13/12
30'	3.20	11.00	1613	08/13/12
25'	3.26	11.10	1614	08/13/12
20'	3.30	11.50	1615	08/13/12
15'	1.76	12.00	1617	08/13/12
10'	4.21	13.20	1618	08/13/12
W-14				
Depth	DO	Temp	Time	Date
34'	0.57	11.50	1630	08/13/12
30'	0.65	11.40	1631	08/13/12
25'	0.67	11.30	1633	08/13/12
20'	0.70	11.40	1634	08/13/12
15'	5.62	11.80	1636	08/13/12
RW-6S				
Depth	DO	Temp	Time	Date
48'	1.25	13.20	1110	08/13/12

RW-6S

DZ 3 of 3

#1863

40'	0.95	13.20	1112	08/13/12
30'	0.50	13.20	1114	08/13/12
20'	0.46	13.30	1116	08/13/12
10'	0.45	15.50	1118	08/13/12
RW-5S				
Depth	DO	Temp	Time	Date
48'	0.66	13.20	1128	08/13/12
40'	0.62	13.00	1130	08/13/12
30'	0.58	12.50	1131	08/13/12
20'	0.57	12.50	1133	08/13/12
15'	0.55	12.60	1135	08/13/12
RW-4S				
Depth	DO	Temp	Time	Date
48'	0.30	12.80	1155	08/13/12
40'	0.28	12.30	1157	08/13/12
30'	0.26	12.20	1158	08/13/12
20'	0.24	12.20	1200	08/13/12
10'	0.26	13.60	1202	08/13/12

RI-29					
Depth	DO	Temp	Time	Date	DTB
10.5'	0.58	16.90	1145	08/13/12	11.1
8.5'	0.71	17.00	1148	08/13/12	11.1
RI-30					
Depth	DO	Temp	Time	Date	DTB
8.5'	0.24	17.90	12.08	08/13/12	9
8.0'	0.52	17.10	1212	08/13/12	9
RI-31					
Depth	DO	Temp	Time	Date	DTB
8.2'	1.78	17.10	1220	08/13/12	8.24

#1863 08/14/12 DZ 1 of 7

Well ID	Depth	DO	TEMP	Time	Depth	DO	~~Time~~ Temp	TIME TEMP	DTW
A-2									
A-3	1FT off BS	0.24	16.8	1547	5'	0.73	20.8	1548	
A-4	1FT off BS	0.26	17.4	1544					
A-5	1FT off BS	0.84	16.8	1540					
A-6	1FT off BS	3.51	16.6	1536					
A-7	1FT off BS	0.49	18.5	1529					
A-8	1FT off BS	5.00	21.5	1552					
A-9	1FT off BS	2.45	20.2	1556					
A-11									
A-12									
A-13									
A-14	1' off BS	1.22	13.5	1525					
A-16									
A-17									
A-18									

Fox MW-1

Depth	DO	TEMP	Time	DTW
46'	0.16	12.4	0918	
40'	0.16	12.1	0919	
30'	0.16	11.9	0920	
20'	0.16	12.4	0922	
10'	0.15	16.1	0923	

DONE

Fox MW-2

Depth	DO	TEMP	Time	DTW
46'	0.28	11.7	0850	
40'	0.30	11.6	0851	
30'	0.29	11.5	0853	
20'	0.28	11.8	0854	
15'	0.26	12.5	0855	

Fox MW-5

Depth	DO	TEMP	Time	DTW
46'	1.72	11.9	0905	
40'	2.29	11.7	0907	
30'	2.31	11.6	0908	
20'	1.43	12.0	0909	
15'	0.27	13.0	0910	

PW-1

Depth	DO	TEMP	Time	DTW
58'				

HY

DZ

08/14/12

PW-2

Depth	DO	TEMP	Time	DTW
59'	0.53	13.2	1628	
56'	2.54	13.1	1629	
50'	2.68	13.3	1631	
40'	2.72	13.4	1632	
30'	2.79	13.5	1634	
20	2.91	13.6	1635	

AT 56' DO↑

PW-3

Depth	DO	TEMP	Time	DTW
58'	0.43	12.2	1615	
50'	2.91	12.1	1616	
40'	3.10	12.1	1618	
30'	3.83	12.0	1620	
20'	3.87	12.0	1622	
56'	2.94	12.1	1615.30	

AT 56' DO↑

15' 3.75 @ 12.2

PW-4

Depth	DO	TEMP	Time	DTW
59'				

HY

PW-5

Depth	DO	TEMP	Time	DTW
68'				

HY

PW-6A

Depth	DO	TEMP	Time	DTW
50'	0.09	15.9	1649	
40'	0.07	15.9	1650	
30'	0.09	16.0	1651	
20'	0.14	17.0	1652	
17'	0.54	17.6	1654	

PW-6B

Depth	DO	TEMP	Time	DTW
84'				

HY

DZ

08/14/12

PW-7A

Depth	DO	TEMP	Time	DTW
108'				

HG

PW-7B

Depth	DO	TEMP	Time	DTW
142'				

HG

PW-8A

DO	Depth	DO	TEMP	Time	DTW
	44'	0.10	12.7	1720	
0.10	40'	0.10	12.2	1721	
0.12	35'	0.13	12.1	1722	
0.13	30'	0.14	12.1	1723	
0.14	25'	0.16	12.0	1724	
0.16	20'		12.2	1725	
0.20	15'		13.0	1726	

	DO	Temp	Time
10'	0.22	13.2	1727

PW-8B

Depth	DO	TEMP	Time	DTW
98'				

HG

DZ
08/14/12

PW-9A

Depth	DO	TEMP	Time	DTW
46'				

PW-9B

Depth	DO	TEMP	Time	DTW
83'				

No DO

PW-10A

Depth	DO	TEMP	Time	DTW
48'	0.28	12.8	1225	16.96
40'	0.31	12.6	1226	
30'	1.01	12.4	1227	AT 30' DO ↑ QUICKLY
20'	1.77	12.3	1229	

PW-10B

Depth	DO	TEMP	Time	DTW
82'	0.58	12.3	1155	13.44
70'	0.58	12.3	1156	
60'	0.59	12.4	1157	
50'	0.60	12.4	1158	
40'	0.61	12.5	1159	
36'	2.60	12.5	1200	AT 36' DO ↑ QUICKLY
30'	2.77	12.4	1202	
20'	2.91	12.3	1204	
~~10~~			~~1206~~	

08/14/12 10 minutes to stabilize
1st DO of the DAY

PW-11

Depth	DO	TEMP	Time	DTW
78'				

IN Field Book

PW-12

Depth	DO	TEMP	Time	DTW

DE
08/14/12

78'				

H4

PW-13 H4

~~PW-13~~

Depth	DO	TEMP	Time	DTW
78'	0.85	12.8	1600	
70'	1.35	12.2	1601	
60'	1.34	12.1	1602	
50'	1.65	11.9	1604	
40'	1.68	11.8	1605	
30'	1.77	11.6	1607	
20'	1.86	11.7	1608	
15'	2.01	11.8	1610	

PW-14

PW-14

Depth	DO	TEMP	Time	DTW
78'				

Recovery Well

Depth	DO	TEMP	Time	DTW
108'				

H4

RW-1

6 of 7

DZ

08/14/12

RW-1

Depth	DO	TEMP	Time	DTW
68'				

HY

RW-2

Depth	DO	TEMP	Time	DTW
148'				

HY

RW-3

Depth	DO	TEMP	Time	DTW
200'				

HY

7 of 7

DZ
08/14/12

W-1

Depth	DO	TEMP	Time	DTW
38'	1.06	15.7	1700	
35'	2.16	15.3	1701	
30'	2.25	15.3	1702	
20'	1.43	15.5	1704	
15'	2.72	16.7	1705	
10'	5.01	19.5	1706	

AJ 35' DO ↑

~~W-13~~ W-17

Depth	DO	TEMP	Time	DTW
42'	0.43	12.0	0839	
30'	0.38	11.6	0840	
20'	0.36	11.6	0842	
15'	0.40	11.9	0844	

W-16

Depth	DO	TEMP	Time	DTW
45'	0.96	12.9	1638	
40'	0.97	12.9	1639	
30'	1.05	12.7	1640	
20'	1.13	12.6	1641	
15'	1.70	12.7	1642	

~~W-17~~ W-13

Depth	DO	TEMP	Time	DTW
42'	1.13	11.4	0830	
30'	1.15	11.4	0831	
20'	1.18	11.4	0833	
15'	1.20	11.7	0835	

08/13/12 / 08/14/12 7 AM
Cloudy / RAIN

Well Refe[illegible] Table
Nor[illegible]m

LONG LIST SAMPLING
MNA PLUS W-8

RI-31
DRY

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
~~A-2~~				~~9.5~~	6	--	--	6	0	9.5	
A-3			2.00	11	6	--	--	6	0	11	
A-4			9.44	10	6	--	--	6	0	10	
A-5			10.92	12	6	--	--	6	0	12	
A-6			10.44	12	6	--	--	6	0	12	
A-7			7.62	21	6	--	--	6	0	21	
A-8			8.35	12	6	--	--	6	0	12	
A-9			10.88	13	6	--	--	6	0	13	
A-11			14.95	22	6	--	--	6	0	22	
A-12			15.54	24	6	--	--	6	0	24	
A-13			14.21	19	6	--	--	6	0	19	
A-14			12.42	19	6	--	--	6	0	19	
A-16	ABANDONED			9.5	6	--	--	6	0	9.5	
A-17			DRY	11.5	6	--	--	6	0	11.5	
A-18			DRY	13	6	--	--	6	0	13	
Fox MW-1			5.08	48				6			
~~Fox MW-2~~			10.52	48				6			
~~Fox MW-5~~			11.59	48				6			
PW-1			13.44	60	6	0	11	3.78	11	60	
PW-2			15.82	61	6	0	12	6	12	61	
PW-3			12.58	60	6	0	12	3.78	12	60	
~~PW-4~~			8.61	61	6	0	12	6	12	61	
~~PW-5~~			8.58	70	6	0	11	3.78	11	70	
PW-6A			15.31	140	6	0.25	18	2	18	52	
PW-6B			14.55	140	6	0.25	66	2	66	86	
PW-7A			11.33	180	6	0.25	90	2	90	110	
PW-7B			11.55	180	6	0.25	124	2	124	144	
PW-8A			14.05	281	6	0.25	18	2	18	46	
PW-8B			14.36	281	6	0.25	60	2	60	100	
PW-9A			18.10	280	6	0.25	10	1	10	48	
PW-9B			17.76	280	6	0.25	62	1	62	85	
PW-10A			16.96	88.5	6	0.25	19	2	19	50	

A-3 RAIN FROM Roof made GW HighT 08/14/12 AM

Well Refe[illegible] Table
Nort[illegible]n

WELL I.D.	DO	TEMP	DTW	Well Depth (feet below TOC)	Casing Diameter (Inches)	Casing Interval: Top of Casing/Riser	Casing Interval: Bottom of Casing/Riser	Screen/Bore Hole Diameter (Inches)	Screen Interval: Top of Screen/Open Interval	Screen Interval: Bottom of Screen/Open Interval	WATER COLUMN
PW-10B			13.44	88.5	6	0.25	64	2	64	84	
PW-11				80	6	--	--	6	13	80	
PW-12			15.10	80	6	--	--	6	13	80	
PW-13			13.10	80	6	--	--	6	19	80	
~~PW-14~~			16.22	80	6	--	--	6	18.0	80	
Recovery Well			15.03								
RI-19D			5.29	80				2	70	80	
RI-19S			9.30	58				2	46	56	
RI-20D			9.07	110				2	100	110	
RI-20S			13.09	80				2	70	80	
RW-1			15.10	70				6	23	70	
RW-2			11.72	150				6	80	150	
RW-3			6.49	210				6	150	210	
W-1			8.12	40				3.5	9	40	
W-3			8.09	23				3.5	12	23	
W-4			4.80	30				3.5	16	30	
W-8			6.19	30				3.5	15	30	
W-10			11.42	34				2	7	47	
W-12			9.42	40				3.5	7	40	
W-13			5.58	44				3.5	10	44	
W-14			12.58	36				3.5	6	36	
W-16			14.31	47				3.5	9	47	
W-17			8.58	44				3.5	6	44	

TOC - Top of Casing

	DTW
W-9	5.85
W-6	8.82
RW-6S	8.07
RW-6I	7.68
RW-6D	ARTESIAN
RW-5S	12.45
RW-5I	12.55
RW-5D	12.13
RI-29	7.93
RW-4S	8.53
RW-4I	8.87

	DTW
RW-40	10.48
RI-30	7.62
RI-31	9.15

DTB 8.24

GROUNDWATER SAMPLING FIELD DATA SHEET

Sunny 88°F

DATE: 08/15/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ/HY

WELL INFORMATION		PURGE	PARAMETERS							SAMPLING					
SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	TURB NTU	pH	ORP (mV)	DOWNHOLE DO (mg/L)	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	VOA
W-13	3.5" [42']	2 G	0953	13.17	0.563	0.0	7.08	199		0.35	45	1020	GW Clear | New Tubing 800 WATT Gen. No Tenough	3
			0957	12.53	0.560	0.0	7.26	188						
			1005	12.50	0.556	0.0	7.36	180		0.0				
			1018	12.32	0.545	0.0	7.44	161						
W-17	3.5" [42']	2 G	1032	14.00	0.477	2.6	7.84	133		1.07	45	1055	GW Clear	3
			1043	13.47	0.477	0.0	7.83	132						
			1050	12.72	0.490	0.0	7.71	-72		1.20				
			1054	12.43	0.487	0.0	7.72	-68						
Fox MW-2	6" [40']	3 G	1046	11.81	0.586	37.3	7.79	55		0.73	65	1105	GW Clear	3
			1051	11.72	0.542	30.1	7.65	-67						
			1058	11.71	0.537	98.3	7.66	-78		0.0				
				11.71	0.536	101.3	7.65	-84						
190 Fox MW-5	6" [46']	3 G	1131	12.60	0.655	99.8	7.90	55		DE 0.17	65	1205	GW Clear	3
			1146	12.66	0.657	81.3	7.89	53						
			1152	12.55	0.661	11.3	7.91	61		0.0				
			1204	12.53	0.662	2.4	7.92	66						
225 Fox MW-1	6"	3 G	1231	14.17	0.730	21.3	7.79	-70		0.46	65	1300	GW Clear	3
			1240	14.03	0.650	18.3	7.66	-45						
			1249	13.77	0.665	8.8	7.60	-29		0.0				
			1258	13.82	0.670	6.3	7.58	-24						
W-10	3.5" [32']	2 G	1400	14.38	0.879	35.6	7.41	-23		0.36	20	1415	GW Clear	3
			1404	13.72	0.777	28.5	7.13	82						
			1407	13.76	0.800	28.1	7.06	86		0.0				
			1412	13.78	0.803	27.2	7.02	89						
W-12	3.5" [45']	2 G	1423	12.96	1.04	30.2	5.93	207		0.61	25	1440		3
			1428	12.55	1.10	21.6	5.20	316						
			1433	12.61	1.11	20.1	5.33	304		0.20				
			1438	12.63	1.11	24.6	5.34	296						

COMMENTS: 1315-1345 265 Gallons Treated INTO AST

0725: onsite
0800: Meet W/ PADEP BRYAN ORDWAY AT AST.

GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 08/15/12 / 08/16/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ

	WELL INFORMATION		PURGE	PARAMETERS					TURB				SAMPLING		
	SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	~~DO (mg/L)~~ NTU	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	VOLS
50	W-14	3.5" [45']	2 G	1456	13.31	0.677	7.12	171		Manual 0.10	22	1510		3
				1501	13.12	0.660	7.27	163		Digital				
				1505	13.20	0.651	7.45	154						
				1509	13.27	0.648	7.52	149		0.47				
72	PW-8B	2" [98']	2 G	1525	12.27	0.854	7.55	-58		Manual 0.0	40	1550		3
				1532	12.24	0.857	7.56	-64						
				1540	12.26	0.859	7.57	-68	pH 7.57	Digital				
				1546	12.28	0.860	7.57	-74		0.13				
08/16/12	RI-200	2" [105']	1-2 G	1534	13.86	0.846	7.53	-62		Manual 0.60	50	1615	Slight Pink GW	3
				1542	14.44	0.901	7.57	-46						
				1559	14.09	0.876	7.57	-48		Digital				
				1611	14.24	0.880	7.59	-36		0.57				
08/16/12	PW-12	6" [78']	3 G	0900	13.01	1.01	7.86	102	10.1	Manual 0.0	80	0930		3
				0908	12.76	1.01	7.73	82	8.0					
				0917	12.73	1.01	7.61	67	0.0	Digital				
				0927					0.0	0.00			Decon 100 FT Tubing	
	PW-7B	2" [140']	2 G	0916	13.52	0.640	7.77	-35	1.3	Manual 0.70	70	0955		3
				0924	13.79	0.670	7.79	-55	0.0					
				0935	13.82	0.691	7.88	-39	0.0	Digital				
				0951	13.70	0.693	7.89	-27	0.0	0.57				
155	PW-13	6" [78']	27/63 G	0948	13.49	0.791	7.92	-31	13.1	Manual 0.0	80	1025	GW Clear	3
				0957	13.46	0.815	7.95	-30	5.4					
				1006	13.50	0.821	7.94	-6	10.9	Digital			Decon 100 FT Tubing	
				1022	13.51	0.825	7.94	14	9.9	0.32				
235	PW-7A	2" [108']	17/52 G	1012	14.16	0.776	7.90	16	178	Manual 0.0	55	1100	Very Slight PINK GW	3
				1021	14.32	0.701	7.79	21	19.2					
				1040	14.24	0.687	7.79	39	0.0	Digital				
				1058	14.19	0.686	7.80	45	0.0	0.26				

COMMENTS: 1115-1145: treated 290 GALLONS of purged GW INTO AST.

GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 08/16/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ/HZ

WELL INFORMATION		PURGE	PARAMETERS					TURB		SAMPLING				
SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	~~DOWNHOLE DO (mg/L)~~ NTU	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	VOAS
PW-10B	2"	2	1158	10.62	0.732	7.99	99	0.0	Manual	40	1225		3
			1207	19.28	0.719	8.01	105	0.0	0.10				
	82'	6	1215	13.85	0.674	7.91	91	0.0	Digital				
			1222	13.89	0.675	7.90	89	0.0	0.36				
40 PW-14		1.5	1251	14.72	1.09	6.42	146	19.1	Manual	80	1400	Decon 100FT Tubing	3
			1319	14.67	0.835	5.99	192	10.0	0.20				
	78'	-2.0 6	1339	14.67	0.800	6.52	168	0.0	Digital				
			1358	14.68	0.792	6.52	157	0.0	0.54				
PW-2	6"	1-2	1254	14.49	2.18	6.69	139	0.0	Manual	60	1350		3
			1309	14.55	2.01	6.04	196	0.0	0.0				
	57'	6	1331	14.72	2.22	6.21	181	0.0	Digital				
			1348	14.69	2.23	6.21	185	0.0	0.28				
180 PW-3	6"		1406	13.15	1.37	6.24	190	15.2	Manual	60	1445		3
			1420	13.32	1.57	6.04	203	123	0.00				
	56'	6	1432	13.34	1.30	6.81	149	248	Digital				
			1443	13.30	1.49	6.90	139	94.6	1.09				
RW-2	6"	1.5	1423	13.72	0.515	7.14	134	0.0	Manual	90	1525	GW clear	3
			1441	13.44	0.520	7.28	116	0.0	0.00				
		6	1506	13.50	0.525	7.48	97	0.0	Digital				
			1523	13.51	0.525	7.50	91	0.0	0.53				
50 RW-3	6"	1-2	1511	13.14	0.571	7.52	-183	0.0	Manual	120	1620 1630	DUP @ 1620	DUP 6
			1530	13.07	0.566	7.64	-199	0.0	1.00				
		6	1550	12.93	0.556	7.57	-176	0.0	Digital				
			1601	12.91	0.553	7.53	-164	0.0	1.12				
									Manual				
									Digital				

COMMENTS:

GROUNDWATER SAMPLING FIELD DATA SHEET

Sunny 84°F

DATE: 08/17/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ/HV

WELL INFORMATION		PURGE	PARAMETERS					TURB			SAMPLING			VOA
SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	~~DOWNHOLE DO (mg/L)~~ NTU	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	
RW-50 [redacted]	2" 200'	1-2 G	806	12.72	0.465	7.99	-126	0.0	Manual			New Tubing	
			0820	12.68	0.460	7.99	-131	0.0	0.10	600	[redacted]		
			0830	12.86	0.455	7.96	-140	0.0	Digital				
			0852	12.68	0.459	7.95	-131	0.0	0.56		0855		3
RW-55 [redacted]	2" 48'	1-2 0833 G	0809	13.57	0.454	7.95	-123	210 [redacted]	Manual			New Tubing	
			0814	12.87	0.324	7.43	-107	178	3.00	[redacted]	0850		
			0833	13.14	0.456	7.88	-127	0.0	Digital			1 To 1 DILUTION	FI 3
			0848	13.00	0.456	7.88	-125	0.0	2.74	50			
RW-5I	2" 148'	1-1 G	0918	13.70	0.388	8.05	-118	1[redacted] 0.0	Manual			~~New Tubing~~	
			0926	13.76	0.388	8.04	-120	0.0	0.00	50	0945		
			0935	13.77	0.389	8.05	-122	0.0	Digital				3
120			0943	13.74	0.389	8.05	-123	0.0	0.41				
RW-4D	2" 200'	2 G	1024	12.83	0.321	8.41	-141	0.0	Manual				
			1031	12.94	0.310	8.09	-107	0.0	[redacted] 5.3	55			
			1040	12.95	0.312	8.05	-132	0.0	Digital	[redacted]	1050	1 To 1 DILUTION FI	3
			1048	12.93	0.313	8.04	-146	0.0	2.09				
RW-4S	[redacted]" 48'	1-2 G	1028	12.60	0.198	7.58	-180	74.8	Manual				
			1036	12.74	0.146	7.19	-130	53.7	8.6	50	1100	2 To 1 DILUTION FI	3
			1048	13.10	0.123	6.77	-34	11.7	Digital				
			1058	13.15	0.125	6.74	-30	4.2	2.5				
140 RW-4I	2" 148'	1-2 G	1110	14.52	0.289	7.56	-120	117	Manual			Very Cloudy GW. even AT 0.0 NTU	
			1122	15.20	0.284	7.86	-108	111	0.00	50	1205		
			1138	15.27	0.289	8.03	-59	0.0	Digital				3
			1201	15.32	0.294	8.07	-68	0.0	0.0				
									Manual				
									Digital				

COMMENTS: 0945-1015: 160 GAL Treated IN AST.

GROUNDWATER SAMPLING FIELD DATA SHEET

P cloudy 80°F

DATE: 08/20/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ/CES

WELL INFORMATION		PURGE	PARAMETERS					TURB	SAMPLING				
SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	~~DOWNHOLE~~ NTU DO (mg/L)	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	
25 W-3 22'	2.5" 22'	1-2 G	1020	13.99	0.478	7.41	126	507	Manual 4.50	23	1040	2 To 1 DILUTION	3
			1027	13.38	0.469	6.98	-48	238					
			1030	13.35	0.457	6.92	-52	101	Digital 2.12				
			1037	13.32	0.450	6.83	-53	97.8					
W-8	3.5" 28'	1-2 G	1108	13.58	0.387	6.96	18	52.6	Manual 0.30	30	1130	Decon Tubing	3
			1114	13.74	0.283	6.40	61	21.1					
			1120	14.51	0.267	6.24	75	0.0	Digital 0.45				
			1128	14.55	0.269	6.22	78	0.0					
W-4	3.5" 28'	1-2 G	1148	13.21	0.113	6.31	68	51.6	Manual 0.10	30	1210	Decon Tubing	3
			1154	13.34	0.108	5.80	123	5.2					
			1200	13.62	0.106	5.64	154	0.0	Digital 0.53				
			1208	13.69	0.106	5.61	172	0.0					
90 RI 195	2" 54'	1-2 G	1220	12.87	0.318	6.23	67	51.7	Manual 5.6	40	1245	PINK Decon Tubing	3
			1228	12.83	0.339	6.79	-43	0.0					
			1239	12.85	0.338	7.04	-94	0.0	Digital 2.60				
			1243	12.86	0.337	7.06	-96	0.0					
150 RS-190	2" 78'	1-2 G	1253	12.56	0.356	7.18	-103	0.0	Manual 5.2	50	1325	1 To 1 DILUTION Decon Tubing	3
			1300	12.59	0.357	7.24	-114	0.0					
			1310	12.60	0.357	7.26	-118	0.0	Digital 1.84				
			1322	12.63	0.358	7.27	-123	0.0					
RW-6A	2" 50'	1-2 G	1343	17.52	0.784	7.28	-97	143	Manual 0.80	30	1405		3
			1350	17.00	0.849	7.68	-94	121					
			1357	16.85	0.854	7.71	-93	95.7	Digital 0.72				
			1404	16.89	0.853	7.72	-93	73.1					
RW-6B	2" 84'	1-2 G	1409	16.54	1.04	7.99	-26	4.6	Manual 0.0	40	1435	GW Clear	3
			1417	17.03	0.835	7.91	-25	0.0					
			1423	17.31	0.729	7.92	-24	0.0	Digital 0.48				
			1433	17.27	0.721	7.94	-31	0.0					

COMMENTS:

Pcloudy 80F

GROUNDWATER SAMPLING FIELD DATA SHEET

DATE: 08/20/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ/CES

	WELL INFORMATION		PURGE	PARAMETERS					TURB	SAMPLING				
	SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	~~DOWNHOLE DO (mg/L)~~ NTU	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	
60	PW-5	6" 67'	2-3 G	1454	16.91	4.70	5.99	117	149	Manual	70	1535		3
				1507	17.93	4.31	5.95	146	227	1.10				
				1518	18.08	3.83	6.42	77	242	Digital				
				1533	17.30	3.73	6.45	91	56.6	1.71				
135	PW-4	6" 57'	2-3 G	1520	17.68	3.69	6.17	112	78.1	Manual	60	1600		3
				1527	17.69	3.58	5.87	148	138	1.30				
				1536	18.11	3.55	5.77	161	92.1	Digital				
				1556	18.09	3.56	5.79	165	86.8	1.34				
200	Recovery well	6" 92'	2-3 G	1548	15.97	2.19	6.66	99	22.8	Manual	100	1650		3
				1601	16.04	2.15	6.71	130	6.7	0.20				
				1620	15.98	1.96	6.74	143	0.0	Digital				
				1647	15.93	1.72	6.80	147	0.0	0.54				
8/21	W-16	3.5 45'	2-3 G	0820	13.61	0.609	7.70	98	1.5	Manual	40	0845		19 15 4
				0824	13.37	0.556	7.45	108	62.1	0.2				
				0829	13.33	0.553	7.39	109	42.6	Digital				
				0836	13.27	0.552	7.35	109	23.1	0.67				
	PW-11	6" 77'	1-2 G	0918	13.05	0.823	7.94	56	0.0	Manual	80	1005		19 15 4
				0930	13.06	0.816	7.98	40	0.0	0.20				
				0944	13.08	0.766	7.96	42	0.0	Digital				
				0958	13.09	0.760	7.92	45	0.0	0.29				
120	PW-8A	2" 44'	1-2 G	1027	12.62	0.708	7.92	43	57.3	Manual	30	1055	GW clear	19 15 4
				1030	12.70	0.675	7.74	52	0.0	0.03				
				1040	12.69	0.673	7.74	55	0.0	Digital				
				1055	12.68	0.673	7.75	54	0.0	0.65				
160	PW-10A	2" 48'	1-2 G	1100	13.29	0.952	7.77	89	176	Manual	35	1125		DUP 22
				1107	13.14	1.16	7.40	61	0.0	1.5				
				1114	13.22	1.14	7.39	57	0.0	Digital				
				1122	13.21	1.13	7.39	59	0.0	1.41				

COMMENTS: 1130-1140 200 GAllons INTO AST

GROUNDWATER SAMPLING FIELD DATA SHEET

2484 EFFLUENT

DATE: 08/21/12/08/22/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: DZ/CES

WELL INFORMATION		PURGE	PARAMETERS							SAMPLING			
SAMPLE LOCATION	WELL DIAM.	RATE	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	DOWNHOLE DO (mg/L)	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	
20 W-1	3.5" 38'	1-2 G	1141	15.53	1.70	7.25	93	15.9	Manual 0.10	25	1210	#2484	22
			1148	15.92	1.72	6.92	107	28.4					
			1155	17.56	1.12	6.87	113	59.1	Digital 0.57				
			1203	17.57	1.15	6.86	118	69.8					
25 RW-1	6" 68'	1-2 G	1234	12.75	2.65	7.22	87	5.2	Manual 0.0	70	1315	GW clear #2484	22
			1250	12.75	2.54	7.31	90	0.0					
			1257	12.80	2.53	7.32	87	0.0	Digital 0.22				
			1310	12.79	2.54	7.33	86	0.0					
118 RI-20S	2" 77'	1-2 G	1357	13.43	0.915	7.66	3	31.9	Manual 0.20	50	1435		19
			1411	13.39	0.883	7.87	4	0.0					
			1423	13.28	0.898	7.89	4	0.0	Digital 0.40				
			1434	13.25	0.898	7.89	7	0.0					
175 PW-1	6" 56'	1-2 G	1540	17.31	2.95	6.93	100	65.8	Manual 0.40	70	1645		3
			1555	17.23	3.07	5.50	209	29.3					
			1617	17.08	2.99	5.65	212	0.3	Digital 0.49				
			1641	17.08	3.00	5.62	246	0.0					
8/21 EFFLUENT		GRAB	1659	21.88	2.08	7.54	157	33.9	Manual		1705		3
			1700	21.14	2.14	7.69	153	32.1					
			1701	20.52	2.17	7.77	150	29.1	Digital				
			1703	18.60	2.20	8.12	135	13.2					
08/22 PW-9A	47'	P	0913	16.30	1.57	7.55	133	0.0	Manual 0.0	3	0940	GW Clear	3
			0922	15.93	1.53	7.32	139	0.0					
			0927	15.95	1.36	7.38	134	0.0	Digital 0.45				
			0938	15.88	1.35	7.40	130	0.0					
PW-9B	98'	P	0942	15.51	0.579	7.97	-44	1.3	Manual 0.30	5	1015	SLIGHT PINK	3
			0956	15.49	0.613	8.04	-59	0.0					
			1004	15.48	0.614	8.04	-59	0.0	Digital 0.36				
			1013	15.60	0.615	8.03	-59	0.0					

COMMENTS: RI-31 8.20 OTW 8.21 OTB DRY!!

FIELD BLANK-01 08/22/12 0840 3 GRAB

RINSATE BLANK-01 08/22/12 0855 5 plus EDM GRAB

~~MATRIX SPIKE 08/22/12 0900 3~~

~~MATRIX SPIKE DUP 08/22/12 0900 3~~

DZ DZ DZ

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GROUNDWATER SAMPLING FIELD DATA SHEET

Sunny 84°F

DATE: 8/22/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: CES/DZ

WELL INFORMATION		PURGE		PARAMETERS								SAMPLING			
SAMPLE LOCATION	WELL DIAM.	RATE	DTW	TIME	TEMP (C)	COND (us/cm)	pH	ORP (mV)	~~DO (mg/L)~~ TURB NTU	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	
A3	6" 10.5'	P	4.00	1025	19.53	0.120	8.24	48	91.1	Manual 1.0	2.5	1045		6 VOAS 2484
			4.10	1033	19.23	0.115	7.59	46	422					
			4.20	1037	19.18	0.113	7.49	48	3.6	Digital 2.12				
			4.22	1042	19.27	0.110	7.42	52	3.4					
A4	6"	P	8.60	1051	19.71	0.402	7.18	30	0.0	Manual 0.20	2.5	1105		3
			8.70	1055	19.70	0.401	7.17	25	0.0					
			8.8	1059	19.73	0.400	7.17	19	0.0	Digital 0.40				
			8.99	1104	19.74	0.400	7.17	18	0.0					
A5	6"	P	9.94	1118	22.81	0.225	6.99	22	25.0	Manual 0.40	2.5	1140		3
			10.04	1124	22.70	0.214	6.57	63	13.8					
			10.21	1129	22.39	0.212	6.45	80	12.6	Digital 0.76				
			10.29	1138	22.36	0.211	6.44	89	8.8					
A6	6"	P	9.82	1142	17.65	1.17	6.60	90	26.1	Manual 0.0	2.5	1200	GW Clear	3
			9.99	1146	17.08	1.20	6.66	104	0.0					
			10.10	1153	17.24	1.20	6.66	111	0.0	Digital 0.56				
			10.29	1159	17.23	1.20	6.66	115	0.0					
A7	6"	P	7.45	1205	18.34	1.94	6.75	114	535	Manual 1.30	2.5	1225		3
			7.69	1211	18.74	1.70	6.83	112	189					
			7.81	1218	18.82	1.65	6.84	113	115	Digital 1.86				
			8.00	1224	18.84	1.58	6.87	111	111					
A14	6"	P	11.80	1232	14.36	1.53	6.52	-68	4.2	Manual 6.20	3.5	1300	1 To 1 DILUTION	6 VOAS 2484
			12.01	1240	14.16	1.47	6.49	-84	0.0					
			12.20	1250	14.06	1.24	6.46	-84	0.0	Digital 2.29				
			12.38	1258	14.20	1.19	6.46	-82	0.0					
A13	6"	P	13.49	1318	17.38	3.08	6.66	-3	0.0	Manual 0	2.5	1350		6 VOAS 2484
			13.61	1328	15.54	3.11	6.66	32	0.0					
			13.70	1338	15.58	3.10	6.65	39	0.0	Digital 0.55				
			13.82	1348	15.45	3.14	6.63	52	0.0					

COMMENTS:

GROUNDWATER SAMPLING FIELD DATA SHEET

Sunny 84°F

DATE: 08/22/12 SITE/PROJECT: 1863 - BAE Annual GWS Event - August 2012 SAMPLING TEAM: ~~DZ/HY~~ DZ/CFS

WELL INFORMATION		PURGE	PARAMETERS						SAMPLING					
SAMPLE LOCATION	WELL DIAM.	RATE DTW	TIME	TEMP (C)	COND (us/cm)	NTU TURB (mg/L)	pH	ORP (mV)	DOWNHOLE DO (mg/L)	FERROUS IRON (mg/L)	PURGE VOLUME	TIME	COMMENTS	
A12	6"	P 14.80	1351	16.29	2.24	1.9	6.64	63		MAN 0.20	3	1420		6 Vol
		15.00	1400	16.22	2.20	0.0	6.53	87		DIG. 0.58				2482
		15.21	1408	16.24	2.18	0.0	6.53	90						
		15.61	1418	16.27	2.18	0.0	6.53	94						
A11	6"	P 13.78	1422	15.82	2.50	533	6.61	13		MAN 1.20	4	1445	DUP	3
		14.22	1438	15.59	2.49	63.1	6.59	47		DIG 1.32				3
		14.61	1436	15.47	2.48	30.1	6.60	52						
		15.00	1441	15.46	2.48	24.6	6.60	56						
A-8	6"	P 8.83	1453	21.62	1.41	25.4	7.50	15		MAN 0.40	2.5	1510		3
		8.95	1459	21.53	1.33	8.7	7.87	26		DIG 0.74				
		9.04	1504	21.60	1.33	6.5	7.90	30						
		9.17	1509	21.61	1.32	5.1	7.92	34						
A-9	6"	P 10.61	1512	20.61	1.14	13.1	7.46	56		MAN 0.4	2.5	1535		3
		10.64	1518	20.56	1.50	1.8	7.33	69		DIG. 0.80				
		10.68	1526	20.55	1.69	0.0	7.24	73						
		10.71	1534	20.57	1.73	0.0	7.21	79						

COMMENTS: TOTALIZER 42365798 DRAINED / HEAT TAPE ON
42365798 DECON H2O

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manual
digital

GROUNDWATER SAMPLIN ELD DATA SHEET

DATE: 11/28/12 SITE/PROJECT: BAE 1863 SAMPLING TEAM:

WELL INFORMATION						PURGE INFORMATION			PARAMETERS								SAMPLING	
SAMPLE LOCATION	DTW (REF.)	WELL DEPTH	WELL DIAM.	WATER COLUMN	VOLUME TO PURGE	VOLUME PURGED	RATE (gpm)	METHOD	TIME	TEMP	COND	DO	pH	ORP	Trub	Fe	TIME	METHOD
W8	5.14	30	3½		30				1114	8.04	1.21	21.03	6.61	194	12.7	1.0	1140	
									1121	13.48	0.556	11.35	6.10	172	10.4			
									1125	13.61	0.337	8.49	6.07	175	0.0	0.51		
									1130	13.72	0.304	6.21	6.05	178	0.0			
RC31	8.20	8.23	—	Did not Sample			—											

1" Well - 0.04
2" Well - 0.163
4" Well - 0.653
6" Well - 1.470

COMMENTS:

APPENDIX II

LABORATORY ANALYTICAL REPORTS
(DISK ENCLOSED)

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

November 23, 2011

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 11/11/2011
Group Number: 1276155
SDG: BAE48
PO Number: 2635
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
FOXMW-51108110935 Grab Water Sample	6467760
W-101108111050 Grab Water Sample	6467761
W-121108111115 Grab Water Sample	6467762
W-141108111135 Grab Water Sample	6467763
PW-111108111220 Grab Water Sample	6467764
PW-8A1108111255 Grab Water Sample	6467765
PW-8B1108111455 Grab Water Sample	6467766
RI-20S1108111330 Grab Water Sample	6467767
PW-121108111520 Grab Water Sample	6467768
PW-131108111640 Grab Water Sample	6467769
PW-10B1109110830 Grab Water Sample	6467770
PW-10A1109110840 Grab Water Sample	6467771
PW-141109110940 Grab Water Sample	6467772
PW-21109110950 Grab Water Sample	6467773
RW-11109111040 Grab Water Sample	6467774
PW-11109111200 Grab Water Sample	6467775
RecoveryWell1109111215 Grab Water Sample	6467776
W-11109111250 Grab Water Sample	6467777
W-161110111035 Grab Water Sample	6467778
W-31110111115 Grab Water Sample	6467779
W-41110111155 Grab Water Sample	6467780
RI-19S1110111230 Grab Water Sample	6467781
RI-19D1110111305 Grab Water Sample	6467782
FIELDBLANK-011111110900 Grab Water Sample	6467783
TB11294110411 Water Sample	6467784

Lancaster Laboratories

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300 Ext. 1246

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: FOXMW-51108110935 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467760
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 09:35 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

F1863 SDG#: BAE48-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	10	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	1 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	81	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 12:22	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 12:22	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-101108111050 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467761
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 10:50 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

10863 SDG#: BAE48-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 12:44	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 12:44	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-121108111115 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467762
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 11:15 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

12863 SDG#: BAE48-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 13:06	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 13:06	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-141108111135 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467763
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 11:35 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

14863 SDG#: BAE48-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	5	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	5 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	4 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 13:28	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 13:28	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-111108111220 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467764
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 12:20 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

11863 SDG#: BAE48-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	31	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	0.9 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	7	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	63	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.034 J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-111108111220 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467764
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 12:20 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

11863 SDG#: BAE48-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 13:50	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 14:17	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 13:50	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 14:17	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8A1108111255 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467765
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 12:55 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

8A863 SDG#: BAE48-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	15	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	0.8 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	10	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	33	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.012 J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8A1108111255 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467765
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 12:55 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

8A863 SDG#: BAE48-06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 14:56	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 14:36	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 14:56	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 14:36	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8B1108111455 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467766
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 14:55 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

8B863 SDG#: BAE48-07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	0.8	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	9		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 15:18	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 15:18	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-20S1108111330 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467767
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 13:30 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI863 SDG#: BAE48-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	3 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	51	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	3 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	150	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.061	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-20S1108111330 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467767
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 13:30 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI863 SDG#: BAE48-08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 15:40	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 14:56	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 15:40	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 14:56	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-121108111520 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467768
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 15:20 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

86312 SDG#: BAE48-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	1 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	10	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 16:02	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 16:02	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-131108111640 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467769
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/08/2011 16:40 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

13863 SDG#: BAE48-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	1 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	13	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 16:24	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 16:24	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10B1109110830 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467770
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 08:30 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

10B63 SDG#: BAE48-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 16:46	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 16:46	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A1109110840 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467771
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 08:40 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

10A63 SDG#: BAE48-12

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	5	J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	38		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	6		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	100		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.12		0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A1109110840 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467771
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 08:40 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

10A63 SDG#: BAE48-12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 17:08	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 15:16	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 17:08	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 15:16	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-141109110940 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467772
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 09:40 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

86314 SDG#: BAE48-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	3 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 17:30	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 17:30	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-21109110950 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467773
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 09:50 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

21863 SDG#: BAE48-14

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	2	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	6		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	66		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 17:52	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 17:52	Kerri E Legerlotz	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: RW-11109111040 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467774
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 10:40 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

R1163 SDG#: BAE48-15

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	3	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	68		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.					
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.048	J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-11109111040 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467774
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 10:40 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

R1163 SDG#: BAE48-15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 00:04	Frank A Valla, Jr	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 13:57	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 00:04	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 13:57	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-11109111200 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467775
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 12:00 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1863 SDG#: BAE48-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	0.9 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	1 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	38	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-11109111200 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467775
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 12:00 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1863 SDG#: BAE48-16

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 00:26	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 00:26	Frank A Valla, Jr	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RecoveryWell1109111215 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467776
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 12:15 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW863 SDG#: BAE48-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	7	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	61	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RecoveryWell1109111215 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467776
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 12:15 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW863 SDG#: BAE48-17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 00:48	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 00:48	Frank A Valla, Jr	1

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Analysis Report

Sample Description: W-11109111250 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467777
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 12:50 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W1863 SDG#: BAE48-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	9	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	68	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.				
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.073	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Analysis Report

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Sample Description: W-11109111250 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467777
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/09/2011 12:50 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W1863 SDG#: BAE48-18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 01:10	Frank A Valla, Jr	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 15:36	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 01:10	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 15:36	Jason M Long	1

Lancaster Laboratories

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Analysis Report

Sample Description: W-161110111035 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467778
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 10:35 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

16863 SDG#: BAE48-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.				
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Analysis Report

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Sample Description: W-161110111035 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467778
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 10:35 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

16863 SDG#: BAE48-19

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 01:32	Frank A Valla, Jr	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113241AA	11/20/2011 15:56	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 01:32	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113241AA	11/20/2011 15:56	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-31110111115 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467779
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 11:15 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W3863 SDG#: BAE48-20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	3 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	1 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	44	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-31110111115 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467779
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 11:15 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W3863 SDG#: BAE48-20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 01:53	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 01:53	Frank A Valla, Jr	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-41110111155 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467780
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 11:55 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W4863 SDG#: BAE48-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	80	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	560	10	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 02:15	Frank A Valla, Jr	1
10903	PPL 8260 Water	SW-846 8260B	1	L113251AA	11/21/2011 10:04	Kathrine K Muramatsu	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 02:15	Frank A Valla, Jr	1

Lancaster Laboratories

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Analysis Report

Sample Description: W-41110111155 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467780
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 11:55 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W4863 SDG#: BAE48-21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L113251AA	11/21/2011 10:04	Kathrine K Muramatsu	10

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19S1110111230 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467781
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 12:30 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19S63 SDG#: BAE48-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	1 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113251AA	11/21/2011 10:26	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113251AA	11/21/2011 10:26	Kathrine K Muramatsu	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19D1110111305 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467782
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 13:05 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19D63 SDG#: BAE48-23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19D1110111305 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467782
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 13:05 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19D63 SDG#: BAE48-23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 02:59	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 02:59	Frank A Valla, Jr	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: FIELDBLANK-011111110900 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467783
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 09:00 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FB863 SDG#: BAE48-24FB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.				
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: FIELDBLANK-011111110900 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467783
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 09:00 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FB863 SDG#: BAE48-24FB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 03:21	Frank A Valla, Jr	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E113261AA	11/22/2011 14:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 03:21	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E113261AA	11/22/2011 14:54	Jason M Long	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: TB11294110411 Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467784
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/04/2011

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

TB863 SDG#: BAE48-25TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: dibromochloromethane.

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: TB11294110411 Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467784
LLI Group # 1276155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/04/2011

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 18:06

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

TB863 SDG#: BAE48-25TB*

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113222AA	11/19/2011 03:43	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113222AA	11/19/2011 03:43	Frank A Valla, Jr	1

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276155
Reported: 11/23/11 at 06:06 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E113241AA	Sample number(s): 6467764-6467765,6467767,6467771,6467774,6467777-6467778							
Vinyl Chloride	N.D.	0.010	ug/l	103	104	70-130	1	30
Batch number: E113261AA	Sample number(s): 6467783							
Vinyl Chloride	N.D.	0.010	ug/l	105	106	70-130	1	30
Batch number: L113221AA	Sample number(s): 6467760-6467773							
Acrolein	N.D.	40.	ug/l	108		43-135		
Acrylonitrile	N.D.	4.	ug/l	96		67-120		
Benzene	N.D.	0.5	ug/l	98		79-120		
Bromodichloromethane	N.D.	1.	ug/l	85		80-120		
Bromoform	N.D.	1.	ug/l	76		61-120		
Bromomethane	N.D.	1.	ug/l	82		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	85		75-123		
Chlorobenzene	N.D.	0.8	ug/l	95		80-120		
Chloroethane	N.D.	1.	ug/l	78		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	95		56-129		
Chloroform	N.D.	0.8	ug/l	93		77-122		
Chloromethane	N.D.	1.	ug/l	79		60-129		
Dibromochloromethane	N.D.	1.	ug/l	82		80-120		
1,1-Dichloroethane	N.D.	1.	ug/l	96		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	90		70-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	100		74-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	96		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	96		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	94		78-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	89		80-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	86		79-120		
Ethylbenzene	N.D.	0.8	ug/l	94		79-120		
Methylene Chloride	N.D.	2.	ug/l	98		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95		71-120		
Tetrachloroethene	N.D.	0.8	ug/l	92		80-121		
Toluene	N.D.	0.7	ug/l	94		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	88		75-127		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		80-120		
Trichloroethene	N.D.	1.	ug/l	95		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	88		64-129		
Vinyl Chloride	N.D.	1.	ug/l	79		65-125		
Xylene (Total)	N.D.	0.8	ug/l	91		80-120		
Batch number: L113222AA	Sample number(s): 6467774-6467780,6467782-6467784							
Acrolein	N.D.	40.	ug/l	103		43-135		
Acrylonitrile	N.D.	4.	ug/l	95		67-120		
Benzene	N.D.	0.5	ug/l	94		79-120		
Bromodichloromethane	N.D.	1.	ug/l	82		80-120		
Bromoform	N.D.	1.	ug/l	72		61-120		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276155
Reported: 11/23/11 at 06:06 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Bromomethane	N.D.	1.	ug/l	78		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	81		75-123		
Chlorobenzene	N.D.	0.8	ug/l	93		80-120		
Chloroethane	N.D.	1.	ug/l	75		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	90		56-129		
Chloroform	N.D.	0.8	ug/l	91		77-122		
Chloromethane	N.D.	1.	ug/l	73		60-129		
Dibromochloromethane	N.D.	1.	ug/l	79*		80-120		
1,1-Dichloroethane	N.D.	1.	ug/l	94		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	90		70-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	92		74-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	92		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	93		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	90		78-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	85		80-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	83		79-120		
Ethylbenzene	N.D.	0.8	ug/l	92		79-120		
Methylene Chloride	N.D.	2.	ug/l	93		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95		71-120		
Tetrachloroethene	N.D.	0.8	ug/l	90		80-121		
Toluene	N.D.	0.7	ug/l	94		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	84		75-127		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	94		80-120		
Trichloroethene	N.D.	1.	ug/l	91		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	84		64-129		
Vinyl Chloride	N.D.	1.	ug/l	73		65-125		
Xylene (Total)	N.D.	0.8	ug/l	89		80-120		
Batch number: L113251AA	Sample number(s): 6467780-6467781							
Acrolein	N.D.	40.	ug/l	115	105	43-135	8	30
Acrylonitrile	N.D.	4.	ug/l	98	97	67-120	1	30
Benzene	N.D.	0.5	ug/l	101	99	79-120	2	30
Bromodichloromethane	N.D.	1.	ug/l	88	86	80-120	2	30
Bromoform	N.D.	1.	ug/l	79	77	61-120	3	30
Bromomethane	N.D.	1.	ug/l	86	83	44-120	4	30
Carbon Tetrachloride	N.D.	1.	ug/l	89	87	75-123	3	30
Chlorobenzene	N.D.	0.8	ug/l	98	95	80-120	3	30
Chloroethane	N.D.	1.	ug/l	85	80	49-129	5	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	94	95	56-129	1	30
Chloroform	N.D.	0.8	ug/l	96	95	77-122	2	30
Chloromethane	N.D.	1.	ug/l	81	79	60-129	3	30
Dibromochloromethane	N.D.	1.	ug/l	86	84	80-120	2	30
1,1-Dichloroethane	N.D.	1.	ug/l	101	97	79-120	3	30
1,2-Dichloroethane	N.D.	1.	ug/l	95	92	70-130	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	108	104	74-123	4	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	99	97	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	102	100	80-120	2	30
1,2-Dichloropropane	N.D.	1.	ug/l	95	95	78-120	0	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	91	89	80-120	2	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	88	87	79-120	1	30
Ethylbenzene	N.D.	0.8	ug/l	97	94	79-120	3	30
Methylene Chloride	N.D.	2.	ug/l	103	101	80-120	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	98	97	71-120	1	30
Tetrachloroethene	N.D.	0.8	ug/l	96	94	80-121	2	30
Toluene	N.D.	0.7	ug/l	98	95	79-120	3	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	89	86	75-127	3	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	97	96	80-120	1	30
Trichloroethene	N.D.	1.	ug/l	96	95	80-120	2	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276155
Reported: 11/23/11 at 06:06 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Trichlorofluoromethane	N.D.	2.	ug/l	91	87	64-129	4	30
Vinyl Chloride	N.D.	1.	ug/l	82	80	65-125	2	30
Xylene (Total)	N.D.	0.8	ug/l	94	92	80-120	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E113241AA	Sample number(s): 6467764-6467765,6467767,6467771,6467774,6467777-6467778 UNSPK: 6467774								
Vinyl Chloride	111	109	70-130	2	30				
Batch number: L113221AA	Sample number(s): 6467760-6467773 UNSPK: 6467764								
Acrolein	111	100	24-145	10	30				
Acrylonitrile	92	89	60-123	3	30				
Benzene	102	97	80-126	5	30				
Bromodichloromethane	87	82	78-125	5	30				
Bromoform	71	67	60-121	5	30				
Bromomethane	86	83	38-149	4	30				
Carbon Tetrachloride	93	87	81-138	7	30				
Chlorobenzene	99	94	87-124	5	30				
Chloroethane	83	81	51-145	3	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	98	93	81-134	5	30				
Chloromethane	83	80	67-154	3	30				
Dibromochloromethane	81	76	74-116	7	30				
1,1-Dichloroethane	106	101	84-129	5	30				
1,2-Dichloroethane	93	88	66-141	5	30				
1,1-Dichloroethene	80*	105	85-142	10	30				
cis-1,2-Dichloroethene	100	95	85-125	5	30				
trans-1,2-Dichloroethene	103	98	87-126	5	30				
1,2-Dichloropropane	96	91	83-124	6	30				
cis-1,3-Dichloropropene	85	81	75-125	4	30				
trans-1,3-Dichloropropene	82	79	74-119	4	30				
Ethylbenzene	99	94	71-134	4	30				
Methylene Chloride	100	94	79-120	6	30				
1,1,2,2-Tetrachloroethane	95	91	72-128	4	30				
Tetrachloroethene	99	95	80-128	4	30				
Toluene	100	94	80-125	6	30				
1,1,1-Trichloroethane	95	91	80-143	3	30				
1,1,2-Trichloroethane	97	91	77-124	5	30				
Trichloroethene	104	96	88-133	2	30				
Trichlorofluoromethane	99	96	73-152	2	30				
Vinyl Chloride	84	83	66-133	1	30				
Xylene (Total)	95	90	79-125	5	30				
Batch number: L113222AA	Sample number(s): 6467774-6467780,6467782-6467784 UNSPK: P473032								
Acrolein	97	92	24-145	5	30				
Acrylonitrile	90	90	60-123	0	30				
Benzene	102	103	80-126	1	30				
Bromodichloromethane	86	86	78-125	0	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276155
Reported: 11/23/11 at 06:06 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Bromoform	71	70	60-121	1	30				
Bromomethane	81	79	38-149	2	30				
Carbon Tetrachloride	90	88	81-138	2	30				
Chlorobenzene	94	96	87-124	2	30				
Chloroethane	78	79	51-145	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	97	97	81-134	0	30				
Chloromethane	77	76	67-154	1	30				
Dibromochloromethane	81	81	74-116	0	30				
1,1-Dichloroethane	96	99	84-129	3	30				
1,2-Dichloroethane	91	90	66-141	1	30				
1,1-Dichloroethene	101	102	85-142	1	30				
cis-1,2-Dichloroethene	95	95	85-125	0	30				
trans-1,2-Dichloroethene	98	97	87-126	1	30				
1,2-Dichloropropane	94	95	83-124	1	30				
cis-1,3-Dichloropropene	83	86	75-125	3	30				
trans-1,3-Dichloropropene	83	85	74-119	3	30				
Ethylbenzene	95	95	71-134	0	30				
Methylene Chloride	99	98	79-120	2	30				
1,1,2,2-Tetrachloroethane	91	94	72-128	2	30				
Tetrachloroethene	96	95	80-128	1	30				
Toluene	97	99	80-125	2	30				
1,1,1-Trichloroethane	90	90	80-143	0	30				
1,1,2-Trichloroethane	94	95	77-124	1	30				
Trichloroethene	100	99	88-133	1	30				
Trichlorofluoromethane	90	89	73-152	2	30				
Vinyl Chloride	80	79	66-133	1	30				
Xylene (Total)	92	92	79-125	0	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E113241AA

	Dibromofluoromethane
6467764	83
6467765	82
6467767	83
6467771	83
6467774	84
6467777	82
6467778	82
Blank	82
LCS	81
LCSD	81
MS	82
MSD	83

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276155
Reported: 11/23/11 at 06:06 PM

Surrogate Quality Control

Limits: 80-120

Analysis Name: Waters by SIMS 8260B
Batch number: E113261AA

	Dibromofluoromethane
6467783	90
Blank	89
LCS	88
LCSD	88

Limits: 80-120

Analysis Name: 8260 Std. Water Master
Batch number: L113221AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6467760	96	100	98	92
6467761	96	100	98	92
6467762	95	99	98	93
6467763	97	99	98	92
6467764	97	100	98	91
6467765	95	102	98	93
6467766	95	98	97	92
6467767	95	101	98	92
6467768	97	100	98	93
6467769	96	98	97	92
6467770	96	100	97	91
6467771	97	100	98	93
6467772	96	100	97	92
6467773	96	100	98	92
Blank	96	101	98	95
LCS	95	99	99	96
MS	96	100	99	97
MSD	97	100	99	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: L113222AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6467774	95	101	98	93
6467775	95	99	98	93
6467776	96	101	99	93
6467777	96	102	97	92
6467778	95	102	98	92
6467779	97	101	98	93
6467780	97	103	98	93
6467782	96	102	97	92
6467783	98	101	98	93
6467784	98	101	99	93
Blank	95	98	99	94
LCS	95	98	100	96
MS	96	102	100	95
MSD	94	102	100	96

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276155
Reported: 11/23/11 at 06:06 PM

Surrogate Quality Control

Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: L113251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6467781	95	101	97	93
Blank	95	101	97	93
LCS	96	99	99	96
LCSD	95	97	99	96
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 7039 Group# 1276155 Sample # 6467760-84

COC # 274405

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: ENVIRONMENTAL ALLIANCE Acct. #:
Project Name/#: FORMER BAF / 1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: DZ/ HY Quote #:
Name of state where samples were collected: PA

(5) Analyses Requested — Preservation Codes

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(2) Matrix (4) (3) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	8260 STD. WATER MASTER (H)	8260 PPL + VC SIM WATERS by SIMS 8260 (H)	8							Remarks (Temperature of samples upon receipt (if requested))
Fox MW-5	11/08/11	0935	✓			✓		3	✓									1 OF 3
W-10	11/08/11	1050	✓			✓		3	✓									Low Level vinyl chloride
W-12	11/08/11	1115	✓			✓		3	✓									
W-14	11/08/11	1135	✓			✓		3	✓									
PW-11	11/08/11	1220	✓			✓		8	✓	✓								
PW-8A	11/08/11	1255	✓			✓		8	✓	✓								
PW-8B	11/08/11	1455	✓			✓		3	✓									
RI-20S	11/08/11	1330	✓			✓		8	✓	✓								
PW-12	11/08/11	1520	✓			✓		3	✓									
PW-13	11/08/11	1640	✓			✓		3	✓									

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11/11/11	1530	[signature]	11/11/11	1700
[signature]	11/11/11	1855			
			[signature]	[signature]	1735

E7-EDD

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2102.05

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 7039 Group# 1276155 Sample # 6467760-84

COC # 274406

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1) Client: Environmental Alliance Acct. #:
Project Name/#: FORMER BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: DZ/HY Quote #:
Name of state where samples were collected: PA

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	8260 STD. WATERS MASTERS (H)	8260 PPL + SI WATERS by SIMS 8260 B (H)							Remarks
PW-10B	11/09/11	0830	✓			✓		3	✓								2 OF 3
PW-10A	11/09/11	0840	✓			✓		8	✓	✓							Low Level vinyl chloride
PW-14	11/09/11	0940	✓			✓		3	✓								
PW-2	11/09/11	0950	✓			✓		3	✓								
RW-1	11/09/11	1040	✓			✓		8	✓	✓							
PW-1	11/09/11	1200	✓			✓		3	✓								
Recovery well	11/09/11	1215	✓			✓		3	✓								
W-1	11/09/11	1250	✓			✓		8	✓	✓							
W-16	11/10/11	1035	✓			✓		8	✓	✓							
W-3	11/10/11	1115	✓			✓		3	✓								

Preservation Codes: H=HCl T=Thiosulfate N=HNO_3 B=NaOH S=H_2SO_4 O=Other

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11/11/11	1530	[signature]	11/11/11	1700
[signature]	11/11/11	1855			
			[signature]	11/11/11	1835

EZ-EOD

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Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 7039 Group# 1276155 Sample # 6L167760-84

COC # 274404

Please print. instructions on reverse side correspond with circled numbers.

(1)
Client: ENVIRONMENTAL ALLIANCE Acct. #:
Project Name/#: FORMER BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: DZ/HH Quote #:
Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#: 113453

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES Check if Applicable)	Matrix: Other	Total # of Containers	8260 STD. WATERS MASTERS (H)	8260 PPL TSS WATERS by SM5 SW (H)	B							Remarks	Temperature of samples upon receipt (if requested)
W-4	11/10/11	1155	✓			✓		3	✓									3 OF 3	
RI-19S	11/10/11	1230	✓			✓		3	✓									Low Level vinyl chloride	
RI-19D	11/10/11	1305	✓			✓		3	✓										
FIELD BLANK-01	11/11/11	0900	✓			✓		3	✓										
TB11294	11/04/11	–	✓			✓		6	✓									BY:EH	

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage	11-9-11	5:00	[signature]	11-9-11	0900
[signature]	11-9-11	1100	[signature]	11/9/11	1100
[signature]	11/11/11	1530	[signature]	11/11/11	1700
[signature]	11/11/11	1855			
Relinquished by:	Date	Time	Received by:	Date	Time
			[signature]	11/11/11	1836

EZ-EDD

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

November 23, 2011

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 11/11/2011
Group Number: 1276148
SDG: BAE47
PO Number: 2637
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
RW-4S1110111345 Grab Water Sample	6467718
RW-4I1111110835 Grab Water Sample	6467719
RW-4D1111110920 Grab Water Sample	6467720
RW-5S1111111005 Grab Water Sample	6467721
RW-5I1111111020 Grab Water Sample	6467722
RW-5D1111111111 Grab Water Sample	6467723

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

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Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300 Ext. 1246

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-4S1110111345 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467718
LLI Group # 1276148
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/10/2011 13:45 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 14:58

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

4S045 SDG#: BAE47-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	15	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	130	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	1 J	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 10:10	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 10:10	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-4I1111110835 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467719
LLI Group # 1276148
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 08:35 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 14:58

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

4I045 SDG#: BAE47-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 10:32	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 10:32	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-4D1111110920 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467720
LLI Group # 1276148
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 09:20 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 14:58

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

4D045 SDG#: BAE47-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	1 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 10:54	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 10:54	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5S1111111005 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467721
LLI Group # 1276148
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 10:05 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 14:58

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

5S045 SDG#: BAE47-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	1 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	110	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	1 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	1,300	20	20
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 11:16	Kerri E Legerlotz	1
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 18:14	Kerri E Legerlotz	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 11:16	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L113221AA	11/18/2011 18:14	Kerri E Legerlotz	20

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5I1111111020 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467722
LLI Group # 1276148
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 10:20 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 14:58

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

5I045 SDG#: BAE47-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	45	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 11:38	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 11:38	Kerri E Legerlotz	1

Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5D1111111111 Grab Water Sample
1863/ BAE-Lansdale, PA

LLI Sample # WW 6467723
LLI Group # 1276148
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 11/11/2011 11:11 by DZ

Submitted: 11/11/2011 18:55
Reported: 11/23/2011 14:58

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

5D045 SDG#: BAE47-06*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/12

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L113221AA	11/18/2011 12:00	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L113221AA	11/18/2011 12:00	Kerri E Legerlotz	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276148
Reported: 11/23/11 at 02:58 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: L113221AA	Sample number(s): 6467718-6467723							
Acrolein	N.D.	40.	ug/l	108		43-135		
Acrylonitrile	N.D.	4.	ug/l	96		67-120		
Benzene	N.D.	0.5	ug/l	98		79-120		
Bromodichloromethane	N.D.	1.	ug/l	85		80-120		
Bromoform	N.D.	1.	ug/l	76		61-120		
Bromomethane	N.D.	1.	ug/l	82		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	85		75-123		
Chlorobenzene	N.D.	0.8	ug/l	95		80-120		
Chloroethane	N.D.	1.	ug/l	78		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	95		56-129		
Chloroform	N.D.	0.8	ug/l	93		77-122		
Chloromethane	N.D.	1.	ug/l	79		60-129		
Dibromochloromethane	N.D.	1.	ug/l	82		80-120		
1,1-Dichloroethane	N.D.	1.	ug/l	96		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	90		70-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	100		74-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	96		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	96		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	94		78-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	89		80-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	86		79-120		
Ethylbenzene	N.D.	0.8	ug/l	94		79-120		
Methylene Chloride	N.D.	2.	ug/l	98		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95		71-120		
Tetrachloroethene	N.D.	0.8	ug/l	92		80-121		
Toluene	N.D.	0.7	ug/l	94		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	88		75-127		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		80-120		
Trichloroethene	N.D.	1.	ug/l	95		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	88		64-129		
Vinyl Chloride	N.D.	1.	ug/l	79		65-125		
Xylene (Total)	N.D.	0.8	ug/l	91		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L113221AA	Sample number(s): 6467718-6467723 UNSPK: P467764								

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276148
Reported: 11/23/11 at 02:58 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Acrolein	111	100	24-145	10	30				
Acrylonitrile	92	89	60-123	3	30				
Benzene	102	97	80-126	5	30				
Bromodichloromethane	87	82	78-125	5	30				
Bromoform	71	67	60-121	5	30				
Bromomethane	86	83	38-149	4	30				
Carbon Tetrachloride	93	87	81-138	7	30				
Chlorobenzene	99	94	87-124	5	30				
Chloroethane	83	81	51-145	3	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	98	93	81-134	5	30				
Chloromethane	83	80	67-154	3	30				
Dibromochloromethane	81	76	74-116	7	30				
1,1-Dichloroethane	106	101	84-129	5	30				
1,2-Dichloroethane	93	88	66-141	5	30				
1,1-Dichloroethene	80*	105	85-142	10	30				
cis-1,2-Dichloroethene	100	95	85-125	5	30				
trans-1,2-Dichloroethene	103	98	87-126	5	30				
1,2-Dichloropropane	96	91	83-124	6	30				
cis-1,3-Dichloropropene	85	81	75-125	4	30				
trans-1,3-Dichloropropene	82	79	74-119	4	30				
Ethylbenzene	99	94	71-134	4	30				
Methylene Chloride	100	94	79-120	6	30				
1,1,2,2-Tetrachloroethane	95	91	72-128	4	30				
Tetrachloroethene	99	95	80-128	4	30				
Toluene	100	94	80-125	6	30				
1,1,1-Trichloroethane	95	91	80-143	3	30				
1,1,2-Trichloroethane	97	91	77-124	5	30				
Trichloroethene	104	96	88-133	2	30				
Trichlorofluoromethane	99	96	73-152	2	30				
Vinyl Chloride	84	83	66-133	1	30				
Xylene (Total)	95	90	79-125	5	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Std. Water Master
Batch number: L113221AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6467718	95	100	97	93
6467719	96	99	98	94
6467720	95	99	97	93
6467721	96	98	98	93
6467722	95	99	98	92
6467723	96	101	97	93
Blank	96	101	98	95
LCS	95	99	99	96

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1276148
Reported: 11/23/11 at 02:58 PM

Surrogate Quality Control

MS	96	100	99	97
MSD	97	100	99	96
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 7039 Group# 1270148 Sample # 6467718-23 **COC # 238587**

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: DZ/HY Quote #:
Name of state where samples were collected: PA

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES)	Other	Total # of Containers	8260 STD, WATER MASTER (H)								Remarks
RW-4S	11/10/11	1345	✓			✓		3	✓								Please make ~~[illegible]~~
RW-~~[illegible]~~ 4I	11/11/11	0835	✓			✓		3	✓								Seperate LAB Report
RW-4D	11/11/11	0920	✓			✓		3	✓								1 OF 1
RW-5S	11/11/11	1005	✓			✓		3	✓								
RW-5I	11/11/11	1020	✓			✓		3	✓								
RW-5D	11/11/11	1111	✓			✓		3	✓								

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11/11/11	1530	[signature]	11/11/11	1700
[signature]	11/11/11	1855			
			[signature]	[illegible]	1836

EZ-EDD

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.
Issued by Dept. 6042 Management 2102.05

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

February 24, 2012

Project: 1863 / BAE - North Penn, PA

Submittal Date: 02/15/2012
Group Number: 1290054
SDG: BAE49
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
PW-110215120810 Grab Water	6549573
PW-8A0215120815 Grab Water	6549574
RI-20S0215120900 Grab Water	6549575
PW-10A0215120940 Grab Water	6549576
W-160215121020 Grab Water	6549577
W-10215121110 Grab Water	6549578
RW-10215121200 Grab Water	6549579
Trip Blank021512 Water	6549580

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

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Questions? Contact your Client Services Representative
Megan A Moeller at (717) 556-7261

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

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Analysis Report

Sample Description: PW-110215120810 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549573
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 08:10 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP11 SDG#: BAE49-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	30	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	0.9 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	9	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	65	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.035 J	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-110215120810 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549573
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 08:10 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP11 SDG#: BAE49-01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 15:55	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 14:00	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 15:55	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 14:00	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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Analysis Report

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Sample Description: PW-8A0215120815 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549574
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 08:15 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP8A SDG#: BAE49-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	11	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	27	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.013 J	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8A0215120815 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549574
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 08:15 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP8A SDG#: BAE49-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 16:19	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 14:20	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 16:19	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 14:20	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: RI-20S0215120900 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549575
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 09:00 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP20 SDG#: BAE49-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	3	J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	48		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	4	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	15		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	150		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.068		0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	0.058	J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

Sample Description: RI-20S0215120900 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549575
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 09:00 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP20 SDG#: BAE49-03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 16:43	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 14:40	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 16:43	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 14:40	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A0215120940 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549576
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 09:40 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP10 SDG#: BAE49-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	6		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	46		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	2	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	7		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	120		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.13		0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	N.D.		0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A0215120940 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549576
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 09:40 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP10 SDG#: BAE49-04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 17:07	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 15:00	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 17:07	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 15:00	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-160215121020 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549577
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 10:20 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP16 SDG#: BAE49-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-160215121020 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549577
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 10:20 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP16 SDG#: BAE49-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 17:31	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 15:20	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 17:31	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 15:20	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: W-10215121110 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549578
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 11:10 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP01 SDG#: BAE49-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	12	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	68	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.090	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	0.090 J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: W-10215121110 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549578
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 11:10 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNP01 SDG#: BAE49-06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 18:09	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 15:40	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 18:09	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 15:40	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-10215121200 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549579
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 12:00 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNPR1 SDG#: BAE49-07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	4	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	71		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.069		0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	0.013	J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-10215121200 Grab Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549579
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012 12:00 by DZ

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNPR1 SDG#: BAE49-07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 18:33	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 16:00	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 18:33	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E120541AA	02/23/2012 16:00	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12051834401A	02/20/2012 20:55	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Trip Blank021512 Water
1863/ BAE - North Penn, PA

LLI Sample # WW 6549580
LLI Group # 1290054
Account # 07039

Project Name: 1863 / BAE - North Penn, PA

Collected: 02/15/2012

Submitted: 02/15/2012 17:15
Reported: 02/24/2012 18:34

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

BNPTB SDG#: BAE49-08TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T120521AA	02/21/2012 10:44	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T120521AA	02/21/2012 10:44	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290054
Reported: 02/24/12 at 06:34 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E120541AA	Sample number(s): 6549573-6549579							
Vinyl Chloride	N.D.	0.010	ug/l	119	125	70-130	5	30
Batch number: T120521AA	Sample number(s): 6549573-6549580							
Acrolein	N.D.	40.	ug/l	99		43-135		
Acrylonitrile	N.D.	4.	ug/l	119		67-120		
Benzene	N.D.	0.5	ug/l	107		79-120		
Bromodichloromethane	N.D.	1.	ug/l	109		80-120		
Bromoform	N.D.	1.	ug/l	100		61-120		
Bromomethane	N.D.	1.	ug/l	109		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	99		75-123		
Chlorobenzene	N.D.	0.8	ug/l	94		80-120		
Chloroethane	N.D.	1.	ug/l	110		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	66		56-129		
Chloroform	N.D.	0.8	ug/l	109		77-122		
Chloromethane	N.D.	1.	ug/l	118		60-129		
Dibromochloromethane	N.D.	1.	ug/l	106		80-120		
1,1-Dichloroethane	N.D.	1.	ug/l	103		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	114		70-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	98		74-123		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	98		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	102		78-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	100		80-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	92		79-120		
Ethylbenzene	N.D.	0.8	ug/l	92		79-120		
Methylene Chloride	N.D.	2.	ug/l	112		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	108		71-120		
Tetrachloroethene	N.D.	0.8	ug/l	101		80-121		
Toluene	N.D.	0.7	ug/l	106		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	99		75-127		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	98		80-120		
Trichloroethene	N.D.	1.	ug/l	99		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	99		64-129		
Vinyl Chloride	N.D.	1.	ug/l	104		65-125		
Xylene (Total)	N.D.	0.8	ug/l	95		80-120		
Batch number: 12051834401A	Sample number(s): 6549573-6549579							
Ferrous Iron	N.D.	0.010	mg/l	97		93-105		

Sample Matrix Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290054
Reported: 02/24/12 at 06:34 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: E120541AA	Sample number(s): 6549573-6549579 UNSPK: 6549579								
Vinyl Chloride	115	118	70-130	2	30				
Batch number: T120521AA	Sample number(s): 6549573-6549580 UNSPK: P550126								
Acrolein	95	94	24-145	1	30				
Acrylonitrile	118	116	60-123	2	30				
Benzene	119	117	80-126	2	30				
Bromodichloromethane	116	115	78-125	1	30				
Bromoform	100	97	60-121	2	30				
Bromomethane	123	122	38-149	1	30				
Carbon Tetrachloride	117	115	81-138	2	30				
Chlorobenzene	101	99	87-124	2	30				
Chloroethane	124	121	51-145	3	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	120	117	81-134	3	30				
Chloromethane	133	131	67-154	2	30				
Dibromochloromethane	111	108	74-116	3	30				
1,1-Dichloroethane	114	112	84-129	1	30				
1,2-Dichloroethane	117	116	66-141	0	30				
1,1-Dichloroethene	113	115	85-142	1	30				
cis-1,2-Dichloroethene	104	100	85-125	2	30				
trans-1,2-Dichloroethene	110	110	87-126	0	30				
1,2-Dichloropropane	109	107	83-124	2	30				
cis-1,3-Dichloropropene	105	103	75-125	1	30				
trans-1,3-Dichloropropene	98	97	74-119	1	30				
Ethylbenzene	102	100	71-134	2	30				
Methylene Chloride	119	117	79-120	1	30				
1,1,2,2-Tetrachloroethane	106	106	72-128	0	30				
Tetrachloroethene	115	114	80-128	0	30				
Toluene	115	115	80-125	0	30				
1,1,1-Trichloroethane	113	113	80-143	0	30				
1,1,2-Trichloroethane	101	96	77-124	5	30				
Trichloroethene	120 (2)	119 (2)	88-133	0	30				
Trichlorofluoromethane	124	121	73-152	2	30				
Vinyl Chloride	121	119	66-133	1	30				
Xylene (Total)	103	103	79-125	0	30				
Batch number: 12051834401A	Sample number(s): 6549573-6549579 UNSPK: P552780 BKG: P552780								
Ferrous Iron	97	101	83-108	3	6	8.4	8.5	1 (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E120541AA

	Dibromofluoromethane
6549573	86
6549574	87

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290054
Reported: 02/24/12 at 06:34 PM

Surrogate Quality Control

6549575	88
6549576	87
6549577	87
6549578	85
6549579	86
Blank	85
LCS	84
LCSD	86
MS	85
MSD	87
Limits:	80-120

Analysis Name: 8260 Std. Water Master
Batch number: T120521AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6549573	106	97	99	93
6549574	103	96	101	93
6549575	107	97	100	94
6549576	106	99	102	95
6549577	105	96	101	94
6549578	105	96	102	94
6549579	106	95	100	94
6549580	104	93	101	97
Blank	103	95	100	96
LCS	103	101	102	101
MS	101	96	101	102
MSD	102	98	102	102
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1290054 Sample # 6549573-80

COC # 301153

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Environmental Alliance Acct. #:

Project Name/#: North Penn BAE / 1863 PWSID #:

Project Manager: Jason Early P.O.#: 4055

Sampler: Derek Fay / Harley Yerkes Quote #:

Name of state where samples were collected: Pennsylvania

For Lab Use Only
FSC:
SCR#: 117343

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water (Potable, NPDES, Ground, Surface) | Other: | (4) Total # of Containers | (5) Analyses Requested / Preservation Codes: 8260 Std. Water Water | Water by SIMS 8260B | Ferrous Iron | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Sediment	Water	Other	Total # of Containers	8260 Std. Water Water	Water by SIMS 8260B	Ferrous Iron	Remarks
PW-11	2/15/12	0810	X				X		7	X	X	X	Ferrous Iron
PW-8A	↓	0815	X				X		7	X	X	X	Has "0" Hold time
RI-20S		0900	X				X		7	X	X	X	
PW-10A		0940	X				X		7	X	X	X	
W-16		1020	X				X		7	X	X	X	More Samples to follow.
W-1		1110	X				X		7	X	X	X	
RW-1		1200	X				X		7	X	X	X	
Trip Blank			X				X		1	X			

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottles Storage	2/7/12	0700	[illegible]	2/7/12	0700
[illegible]	2/7/12	1045	[illegible]	2/10/12	0650
[illegible]	2/15/12	1450	[illegible]	2/15/12	1450
[illegible]	2/15/12	1715			
Relinquished by:	Date	Time	Received by:	Date	Time
				2/15/12	1715

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

February 24, 2012

Project: 2484 / BAE Lansdale, PA

Submittal Date: 02/17/2012
Group Number: 1290526
PO Number: 2484
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
A30216121140 Grab Water	6552407
A140216121220 Grab Water	6552408
A120216121255 Grab Water	6552409
A130216121325 Grab Water	6552410
W10215121110 Grab Water	6552411
RW10215121200 Grab Water	6552412

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO Environmental Alliance, Inc. Attn: Myrna Klair

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Questions? Contact your Client Services Representative
Megan A Moeller at (717) 556-7261

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A30216121140 Grab Water
2484 / BAE Lansdale, PA

LLI Sample # WW 6552407
LLI Group # 1290526
Account # 07039

Project Name: 2484 / BAE Lansdale, PA

Collected: 02/16/2012 11:40 by JS

Submitted: 02/17/2012 18:30
Reported: 02/24/2012 14:35

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A3484

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 624**		**ug/l**	**ug/l**	
10371	Tetrachloroethene	127-18-4	< 1	1	1
10371	Trichloroethene	79-01-6	< 1	1	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	TCE & PCE by 8260	EPA 624	1	M120532AA	02/23/2012 15:19	Stephanie A Selis	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A140216121220 Grab Water
2484 / BAE Lansdale, PA

LLI Sample # WW 6552408
LLI Group # 1290526
Account # 07039

Project Name: 2484 / BAE Lansdale, PA

Collected: 02/16/2012 12:20 by JS

Submitted: 02/17/2012 18:30
Reported: 02/24/2012 14:35

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A1484

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 624**		**ug/l**	**ug/l**	
10371	Tetrachloroethene	127-18-4	< 1	1	1
10371	Trichloroethene	79-01-6	6	1	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	TCE & PCE by 8260	EPA 624	1	M120532AA	02/23/2012 15:44	Stephanie A Selis	1

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Analysis Report

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Sample Description: A120216121255 Grab Water
2484 / BAE Lansdale, PA

LLI Sample # WW 6552409
LLI Group # 1290526
Account # 07039

Project Name: 2484 / BAE Lansdale, PA

Collected: 02/16/2012 12:55 by JS

Submitted: 02/17/2012 18:30
Reported: 02/24/2012 14:35

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A1284

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 624**		**ug/l**	**ug/l**	
10371	Tetrachloroethene	127-18-4	< 1	1	1
10371	Trichloroethene	79-01-6	< 1	1	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	TCE & PCE by 8260	EPA 624	1	M120532AA	02/23/2012 16:10	Stephanie A Selis	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A130216121325 Grab Water
2484 / BAE Lansdale, PA

LLI Sample # WW 6552410
LLI Group # 1290526
Account # 07039

Project Name: 2484 / BAE Lansdale, PA

Collected: 02/16/2012 13:25 by JS

Submitted: 02/17/2012 18:30
Reported: 02/24/2012 14:35

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A1384

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 624**		**ug/l**	**ug/l**	
10371	Tetrachloroethene	127-18-4	< 1	1	1
10371	Trichloroethene	79-01-6	22	1	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	TCE & PCE by 8260	EPA 624	1	M120532AA	02/23/2012 16:36	Stephanie A Selis	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W10215121110 Grab Water
2484 / BAE Lansdale, PA

LLI Sample # WW 6552411
LLI Group # 1290526
Account # 07039

Project Name: 2484 / BAE Lansdale, PA

Collected: 02/15/2012 11:10 by JS

Submitted: 02/17/2012 18:30
Reported: 02/24/2012 14:35

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W1484

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 624**		**ug/l**	**ug/l**	
10371	Tetrachloroethene	127-18-4	< 1	1	1
10371	Trichloroethene	79-01-6	67	1	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	TCE & PCE by 8260	EPA 624	1	M120532AA	02/23/2012 17:01	Stephanie A Selis	1

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Analysis Report

Sample Description: RW10215121200 Grab Water
2484 / BAE Lansdale, PA

LLI Sample # WW 6552412
LLI Group # 1290526
Account # 07039

Project Name: 2484 / BAE Lansdale, PA

Collected: 02/15/2012 12:00 by JS

Submitted: 02/17/2012 18:30
Reported: 02/24/2012 14:35

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW184

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**EPA 624**		**ug/l**		**ug/l**	
10371	Tetrachloroethene	127-18-4	1	J	1	1
10371	Trichloroethene	79-01-6	71		1	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10371	TCE & PCE by 8260	EPA 624	1	M120532AA	02/23/2012 17:26	Stephanie A Selis	1

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290526
Reported: 02/24/12 at 02:35 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: M120532AA	Sample number(s): 6552407-6552412							
Tetrachloroethene	< 1	1.	ug/l	94	93	77-127	1	30
Trichloroethene	< 1	1.	ug/l	94	97	80-120	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: M120532AA	Sample number(s): 6552407-6552412 UNSPK: P552776								
Tetrachloroethene	102		78-136						
Trichloroethene	107		86-131						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: EPA 624 water
Batch number: M120532AA

	1,2-Dichloroethane-d4	Fluorobenzene	4-Bromofluorobenzene
6552407	95	97	96
6552408	95	97	97
6552409	97	96	95
6552410	97	97	94
6552411	95	97	94
6552412	97	94	94
Blank	98	96	101
LCS	95	100	104
LCSD	95	101	101
MS	95	99	101
Limits:	76-114	80-120	86-115

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290526
Reported: 02/24/12 at 02:35 PM

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1290526 Sample # G552407-12

COC # 301715

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE / 2484 PWSID #:
Project Manager: Tom Murphy P.O.#: 2484
Sampler: JS / DZ / NY Quote #:
Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#: 116217

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Sediment	Water: Potable NPDES	Ground	Surface	Other:	Total # of Containers	TCE AND PCE VIA EPA METHOD 624									Remarks
												H									
A3	2/16/12	11:40	X				X				3	X									Please issue separate
A14	2/16/12	12:20	X				X				3	X									analytical report for
A12	2/16/12	12:55	X				X				3	X									effluent sample due to
A13	2/16/12	~~14:~~ 13:15	X				X				3	X									NPDES reporting requirements.
W1	2/15/12	11:10	X				X				3	X									
RW1	2/15/12	12:00	X				X				3	X									
EFFLUENT	2/16/12	14:25	X				X				3	X									

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage	2/1/12	0800	[illegible]	2/1/12	0800
[illegible]	2/1/12	1000	[illegible]	2/1/12	10:05
[illegible]	2/17/12	1445	[illegible]	2/17/12	1700
Hang Wego	2/17/12	18:30			
				2/17/12	1830

EZ-EDD

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

February 27, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 02/17/2012
Group Number: 1290537
SDG: BAE50
PO Number: 4055
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
FOX_MW-50214121115 Grab Water	6552513
W-100214121200 Grab Water	6552514
W-120214121225 Grab Water	6552515
W-140214121250 Grab Water	6552516
PW-8B0214121320 Grab Water	6552517
PW-10B0214121345 Grab Water	6552518
PW-120215121300 Grab Water	6552519
PW-130215121415 Grab Water	6552520
W-30216120945 Grab Water	6552521
RI-19S0216121100 Grab Water	6552522
RI-19D0216121140 Grab Water	6552523
PW-140216121250 Grab Water	6552524
PW-20216121350 Grab Water	6552525
PW-2DUP0216121350 Grab Water	6552526
FIELD_BLANK021712 Grab Water	6552527
FIELD_BLANK021512 Grab Water	6552528
RINSATE_BLANK0217120930 Grab Water	6552529
W-80217120935 Grab Water	6552530
W-40217121015 Grab Water	6552531
PW-10217121100 Grab Water	6552532
RECOVERY_WELL0217121115 Grab Water	6552533
Trip_Blanks020612	6552534

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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Analysis Report

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ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 556-7261

Respectfully Submitted,

Susan M. Goshert
Group Leader

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: FOX_MW-50214121115 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552513
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/14/2012 11:15 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

M5863 SDG#: BAE50-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	7	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	2 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	13	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	96	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 06:04	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 06:04	Angela D Sneeringer	1

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Analysis Report

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Sample Description: W-100214121200 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552514
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/14/2012 12:00 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W1863 SDG#: BAE50-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 06:25	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 06:25	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-120214121225 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552515
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/14/2012 12:25 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

12863 SDG#: BAE50-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 06:45	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 06:45	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-140214121250 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552516
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/14/2012 12:50 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

14863 SDG#: BAE50-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	4 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	5	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	4 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 07:06	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 07:06	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8B0214121320 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552517
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/14/2012 13:20 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

8B863 SDG#: BAE50-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	3	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	0.9	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	0.9	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	9		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 07:26	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 07:26	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10B0214121345 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552518
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/14/2012 13:45 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

10B63 SDG#: BAE50-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 07:47	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 07:47	Angela D Sneeringer	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: PW-120215121300 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552519
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/15/2012 13:00 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1263 SDG#: BAE50-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	2 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 08:08	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 08:08	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-130215121415 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552520
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/15/2012 14:15 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1363 SDG#: BAE50-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	1	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	15		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 08:28	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 08:28	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-30216120945 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552521
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/16/2012 09:45 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W3863 SDG#: BAE50-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	3	J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	1	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	37		0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	7		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	1	J	1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 08:49	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 08:49	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19S0216121100 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552522
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/16/2012 11:00 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19S63 SDG#: BAE50-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 09:09	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 09:09	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19D0216121140 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552523
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/16/2012 11:40 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19D63 SDG#: BAE50-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 09:30	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 09:30	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-140216121250 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552524
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/16/2012 12:50 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1463 SDG#: BAE50-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	2 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 09:51	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 09:51	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-20216121350 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552525
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/16/2012 13:50 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P2863 SDG#: BAE50-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	2 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	3 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	10	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	95	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 10:12	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 10:12	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-2DUP0216121350 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552526
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/16/2012 13:50 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FD863 SDG#: BAE50-14FD

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	3	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	10		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	93		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 10:32	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 10:32	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: FIELD_BLANK021712 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552527
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

F1763 SDG#: BAE50-15FB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 05:22	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 05:22	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: FIELD_BLANK021512 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552528
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/15/2012 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

F1563 SDG#: BAE50-16FB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B SIM**	**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E120541AA	02/23/2012 13:40	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E120541AA	02/23/2012 13:40	Jason M Long	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RINSATE_BLANK0217120930 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552529
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 09:30 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RB863 SDG#: BAE50-17RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 05:43	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 05:43	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-80217120935 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552530
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 09:35 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W8863 SDG#: BAE50-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	14	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 10:53	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 10:53	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-40217121015 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552531
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 10:15 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W4863 SDG#: BAE50-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	73	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	610	10	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 11:14	Angela D Sneeringer	1
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 11:34	Angela D Sneeringer	10

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-40217121015 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552531
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 10:15 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W4863 SDG#: BAE50-19

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 11:14	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y120541AA	02/23/2012 11:34	Angela D Sneeringer	10

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10217121100 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552532
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 11:00 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1063 SDG#: BAE50-20

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	55		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 11:54	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 11:54	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RECOVERY_WELL0217121115 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552533
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/17/2012 11:15 by JE

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW863 SDG#: BAE50-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	48	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 12:15	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 12:15	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Trip_Blanks020612
1863/ BAE-Lansdale, PA

LLI Sample # WW 6552534
LLI Group # 1290537
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 02/06/2012

Submitted: 02/17/2012 18:30
Reported: 02/27/2012 13:00

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

TB863 SDG#: BAE50-22TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	Y120541AA	02/23/2012 05:01	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y120541AA	02/23/2012 05:01	Angela D Sneeringer	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290537
Reported: 02/27/12 at 01:00 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E120541AA	Sample number(s): 6552528							
Vinyl Chloride	N.D.	0.010	ug/l	119	125	70-130	5	30
Batch number: Y120541AA	Sample number(s): 6552513-6552527,6552529-6552534							
Acrolein	N.D.	40.	ug/l	112	116	43-135	3	30
Acrylonitrile	N.D.	4.	ug/l	89	91	67-120	3	30
Benzene	N.D.	0.5	ug/l	99	100	79-120	1	30
Bromodichloromethane	N.D.	1.	ug/l	95	96	80-120	1	30
Bromoform	N.D.	1.	ug/l	99	99	61-120	1	30
Bromomethane	N.D.	1.	ug/l	86	91	44-120	6	30
Carbon Tetrachloride	N.D.	1.	ug/l	98	101	75-123	3	30
Chlorobenzene	N.D.	0.8	ug/l	104	102	80-120	2	30
Chloroethane	N.D.	1.	ug/l	77	83	49-129	7	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	93	98	56-129	6	30
Chloroform	N.D.	0.8	ug/l	99	101	77-122	1	30
Chloromethane	N.D.	1.	ug/l	88	91	60-129	3	30
Dibromochloromethane	N.D.	1.	ug/l	100	98	80-120	2	30
1,1-Dichloroethane	N.D.	1.	ug/l	95	97	79-120	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	99	102	70-130	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	100	101	74-123	1	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	99	101	80-120	3	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	101	101	80-120	0	30
1,2-Dichloropropane	N.D.	1.	ug/l	94	96	78-120	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	88	95	80-120	7	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	94	93	79-120	1	30
Ethylbenzene	N.D.	0.8	ug/l	102	101	79-120	1	30
Methylene Chloride	N.D.	2.	ug/l	109	100	80-120	8	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	99	98	71-120	1	30
Tetrachloroethene	N.D.	0.8	ug/l	106	105	80-121	1	30
Toluene	N.D.	0.7	ug/l	101	101	79-120	1	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	97	101	75-127	4	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103	101	80-120	2	30
Trichloroethene	N.D.	1.	ug/l	100	100	80-120	0	30
Trichlorofluoromethane	N.D.	2.	ug/l	98	104	64-129	6	30
Vinyl Chloride	N.D.	1.	ug/l	92	95	65-125	4	30
Xylene (Total)	N.D.	0.8	ug/l	104	104	80-120	0	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290537
Reported: 02/27/12 at 01:00 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: E120541AA	Sample number(s): 6552528 UNSPK: P549579								
Vinyl Chloride	115	118	70-130	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E120541AA

	Dibromofluoromethane
6552528	88
Blank	85
LCS	84
LCSD	86
MS	85
MSD	87
Limits:	80-120

Analysis Name: 8260 Std. Water Master
Batch number: Y120541AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6552513	107	102	95	87
6552514	108	103	95	88
6552515	114	101	94	86
6552516	110	103	94	86
6552517	110	104	94	85
6552518	110	105	100	86
6552519	110	103	94	85
6552520	114	104	93	86
6552521	112	104	93	85
6552522	113	105	91	85
6552523	113	105	92	85
6552524	113	106	94	85
6552525	113	104	95	85
6552526	112	107	95	83
6552527	105	103	95	89
6552529	107	101	95	88
6552530	113	108	94	84
6552531	113	105	95	84
6552532	115	107	94	84
6552533	114	107	95	84
6552534	103	101	96	89
Blank	107	104	95	88
LCS	100	102	100	99
LCSD	101	100	99	99
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1290537
Reported: 02/27/12 at 01:00 PM

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 7039 Group # 1290537 Sample # G5-52513-34 **COC # 301154**

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Environmental Alliance Acct. #:

Project Name/#: North Penn BAE/1863 PWSID #:

Project Manager: Jason Early P.O.#: 4055

Sampler: Derek Zang / Harley Yerkes Quote #:

Name of state where samples were collected: Pennsylvania

(5) Analyses Requested — Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix: Soil ☐ Sediment ☐	Water: Potable ☐ NPDES ☐ Ground ☐ Surface ☐	Other:	(4) Total # of Containers	8260 std. water Master								Remarks
Fox MW-5	2/14/12	1115	X			X		3	X								
W-10	2/14/12	1200	X			X		3	X								
W-12	2/14/12	1225	X			X		3	X								
W-14	2/14/12	1250	X			X		3	X								
PW-8B	2/14/12	1320	X			X		3	X								
PW-10B	2/14/12	1345	X			X		3	X								
PW-12	2/15/12	1300	X			X		3	X								
PW-13	2/15/12	1415	X			X		3	X								
W-3	2/16/12	0945	X			X		3	X								
RI-19S	2/16/12	1100	X			X		3	X								

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
			Harley Yerkes	2/14/12	0630
[signature]	2/17/12	1445	Harry Weeper	2/17/12	17:00
Harry Weeper	2/17/12	18:30			
			[signature]	2/17/12	1830

EZ-EDD

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Environmental Analysis Request/Chain of Custody

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Acct. # 7039 Group # 1290537 Sample # 6552513-34

COC # 301155

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: North Penn BAE / 1863 PWSID #:
Project Manager: Jason Early P.O.#: 4055
Sampler: Derek Zay / Hurley Yerkes Quote #:
Name of state where samples were collected: pennsylvania

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable NPDES / Ground Surface)	Other:	Total # of Containers	8260 std. Water Master	Water By SIMS 8260B							Remarks
RI-19D	2/16/12	1140	X			X		3	X								
PW-14	2/16/12	1250	X			X		3	X								
PW-2	2/16/12	1350	X			X		3	X								
PW-2 DUP	2/16/12	1350	X			X		3	X								
Field Blank	2/17/12	—	X			X		3	X								
Field Blank	2/15/12	—	X			X		3		X							
Rinsate Blank	2/17/12	0930	X			X		3	X								

Matrix: Sediment ☐ Soil ☐ Water ☐ Potable NPDES ☐ Ground ☐ Surface ☐

Preservation Codes: H=HCl T=Thiosulfate N=HNO_3 B=NaOH S=H_2SO_4 O=Other

Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

FZ-EDD

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
			Hurley Yerkes	2/14/12	0630
Hurley Yerkes	2/17/12	1445	Hanzwerger	2/17/12	17:00
Hanzwerger	2/17/12	18:30			
				2/17/12	1830

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Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1290537 Sample # 6552513-34

COC # 301156

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: North Penn BAE / 1863 PWSID #:
Project Manager: Jason Early P.O.#: 4055
Sampler: Derek Zay / Harley Yerkes Quote #:
Name of state where samples were collected: Pennsylvania

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other:	Total # of Containers	Std. Water Master 8260	Remarks	Temperature of samples upon receipt (if requested)
W-8	2/17/12	0935	X			X		3	X		
W-4	↓	1015	X			X		3	X		
PW-1	↓	1100	X			X		3	X		
Recovery Well	↓	1115	X			X		3	X		
Trip Blanks	2/6/12	—	X			X		2	X		

Matrix: Soil ☐ Sediment ☐ Water: Potable ☐ NPDES ☐ Ground ☐ Surface ☐

Preservation Codes: H=HCl T=Thiosulfate N=HNO_3 B=NaOH S=H_2SO_4 O=Other

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
			Harley Yerkes	2/14/12	0650
Harley Yerkes	2/17/12	1445	Harry Wesler	2/17/12	1780
Harry Wesler	2/17/12	18:30			
				2/17/12	1830

EZ-EDD

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

May 15, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 05/03/2012
Group Number: 1306546
SDG: BAE51
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
PW-8A0503120925 Grab Water	6639300
PW-110503120940 Grab Water	6639301
RI-20S0503121000 Grab Water	6639302
PW-10A0503121040 Grab Water	6639303
W-160503121120 Grab Water	6639304
W-10503121200 Grab Water	6639305
RW-10503121245 Grab Water	6639306
Trip_Blank050312 Water	6639307

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: PW-8A0503120925 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639300
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 09:25 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-8A SDG#: BAE51-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	11	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	9	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	26	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8A0503120925 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639300
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 09:25 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-8A SDG#: BAE51-01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 12:27	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 14:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 12:27	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 14:51	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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Analysis Report

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Sample Description: PW-110503120940 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639301
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 09:40 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-11 SDG#: BAE51-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	30		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	7		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	60		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.029	J	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	N.D.		0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-110503120940 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639301
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 09:40 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-11 SDG#: BAE51-02

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 13:33	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 15:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 13:33	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 15:11	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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Analysis Report

Sample Description: RI-20S0503121000 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639302
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 10:00 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI20S SDG#: BAE51-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	2	J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	40		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	4	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	130		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.049	J	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	0.028	J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-20S0503121000 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639302
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 10:00 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI20S SDG#: BAE51-03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 13:55	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 15:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 13:55	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 15:31	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A0503121040 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639303
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 10:40 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW10A SDG#: BAE51-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	5		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	40		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	2	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	8		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	120		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.11		0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	N.D.		0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A0503121040 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639303
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 10:40 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW10A SDG#: BAE51-04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 14:17	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 15:51	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 14:17	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 15:51	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: W-160503121120 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639304
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 11:20 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-16- SDG#: BAE51-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-160503121120 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639304
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 11:20 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-16- SDG#: BAE51-05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 14:39	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 16:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 14:39	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 16:11	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-10503121200 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639305
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 12:00 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-1-- SDG#: BAE51-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	5	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	26	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**	**mg/l**	
08344	Ferrous Iron	n.a.	0.15	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-10503121200 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639305
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 12:00 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-1-- SDG#: BAE51-06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 15:01	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 16:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 15:01	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 16:31	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-10503121245 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639306
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 12:45 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-1- SDG#: BAE51-07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	3	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	74		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.053		0.010	1
Wet Chemistry	**SM20 3500 Fe B modified**		**mg/l**		**mg/l**	
08344	Ferrous Iron	n.a.	0.012	J	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-10503121245 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639306
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 12:45 by DZ

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-1- SDG#: BAE51-07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 15:23	Kerri E Legerlotz	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 16:50	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 15:23	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E121351AA	05/14/2012 16:50	Jason M Long	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12126834402A	05/05/2012 07:20	Daniel S Smith	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Trip_Blank050312 Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6639307
LLI Group # 1306546
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012

Submitted: 05/03/2012 17:20
Reported: 05/15/2012 18:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

TRIP3 SDG#: BAE51-08TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121351AA	05/14/2012 12:05	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121351AA	05/14/2012 12:05	Kerri E Legerlotz	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1306546
Reported: 05/15/12 at 06:38 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E121351AA	Sample number(s): 6639300-6639306							
Vinyl Chloride	N.D.	0.010	ug/l	109	105	70-130	4	30
Batch number: L121351AA	Sample number(s): 6639300-6639307							
Acrolein	N.D.	40.	ug/l	60		51-140		
Acrylonitrile	N.D.	4.	ug/l	105		49-153		
Benzene	N.D.	0.5	ug/l	101		77-121		
Bromodichloromethane	N.D.	1.	ug/l	103		73-120		
Bromoform	N.D.	1.	ug/l	103		61-120		
Bromomethane	N.D.	1.	ug/l	96		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	99		67-122		
Chlorobenzene	N.D.	0.8	ug/l	104		80-120		
Chloroethane	N.D.	1.	ug/l	90		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	71		56-129		
Chloroform	N.D.	0.8	ug/l	100		77-122		
Chloromethane	N.D.	1.	ug/l	103		60-129		
Dibromochloromethane	N.D.	1.	ug/l	103		72-120		
1,1-Dichloroethane	N.D.	1.	ug/l	97		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	104		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	95		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	104		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	101		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	103		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	102		79-120		
Ethylbenzene	N.D.	0.8	ug/l	101		79-120		
Methylene Chloride	N.D.	2.	ug/l	102		80-126		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	99		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	102		79-120		
Toluene	N.D.	0.7	ug/l	100		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	85		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103		80-120		
Trichloroethene	N.D.	1.	ug/l	98		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	117		56-128		
Vinyl Chloride	N.D.	1.	ug/l	105		56-123		
Xylene (Total)	N.D.	0.8	ug/l	106		77-120		
Batch number: 12126834402A	Sample number(s): 6639300-6639306							
Ferrous Iron	N.D.	0.010	mg/l	101		93-105		

Sample Matrix Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1306546
Reported: 05/15/12 at 06:38 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L121351AA	Sample number(s): 6639300-6639307 UNSPK: 6639300								
Acrolein	71	60	33-147	18	30				
Acrylonitrile	84	68	43-146	22	30				
Benzene	93	84	72-134	10	30				
Bromodichloromethane	93	82	78-125	13	30				
Bromoform	93	84	48-118	10	30				
Bromomethane	103	84	38-149	21	30				
Carbon Tetrachloride	95	85	72-135	11	30				
Chlorobenzene	96	86*	87-124	11	30				
Chloroethane	101	82	51-145	20	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	92	82	81-134	11	30				
Chloromethane	103	85	67-154	19	30				
Dibromochloromethane	93	82	74-116	13	30				
1,1-Dichloroethane	93	83*	84-129	11	30				
1,2-Dichloroethane	94	83	68-131	13	30				
1,1-Dichloroethene	96	103	85-142	5	30				
cis-1,2-Dichloroethene	100	91	85-125	9	30				
trans-1,2-Dichloroethene	91	83*	87-126	9	30				
1,2-Dichloropropane	91	82*	83-124	11	30				
cis-1,3-Dichloropropene	92	80	70-116	13	30				
trans-1,3-Dichloropropene	90	79	74-119	13	30				
Ethylbenzene	94	84	71-134	11	30				
Methylene Chloride	94	84	78-133	11	30				
1,1,2,2-Tetrachloroethane	89	80	72-128	10	30				
Tetrachloroethene	96	87	80-128	10	30				
Toluene	93	83	80-125	11	30				
1,1,1-Trichloroethane	83	87	74-131	3	30				
1,1,2-Trichloroethane	94	83	77-124	12	30				
Trichloroethene	104	144*	88-133	16	30				
Trichlorofluoromethane	122	101	64-146	18	30				
Vinyl Chloride	108	88	66-133	21	30				
Xylene (Total)	97	87	79-125	11	30				
Batch number: 12126834402A	Sample number(s): 6639300-6639306 UNSPK: P636985 BKG: P636985								
Ferrous Iron	102	101	81-112	1	6	0.012 J	0.011 J	9* (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E121351AA

	Dibromofluoromethane
6639300	89
6639301	89
6639302	89
6639303	88
6639304	88

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1306546
Reported: 05/15/12 at 06:38 PM

Surrogate Quality Control

6639305	88
6639306	88
Blank	88
LCS	75*
LCSD	73*
Limits:	80-120

Analysis Name: 8260 Std. Water Master
Batch number: L121351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6639300	102	102	96	94
6639301	102	103	98	95
6639302	101	102	97	95
6639303	103	103	98	95
6639304	102	102	97	95
6639305	103	103	97	95
6639306	104	103	97	94
6639307	102	104	97	96
Blank	102	103	97	95
LCS	101	104	99	99
MS	102	102	99	99
MSD	101	101	99	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1306546 Sample # 6639300-07 **COC # 305591**

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: 1863/BAE PWSID #:
Project Manager: Jason Early P.O.#:
Sampler: Derek Zay / Harley Yerkes Quote #:
Name of state where samples were collected: Pennsylvania

(5) Analyses Requested — Preservation Codes

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(2) Matrix (4)

Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Soil ☐ Sediment ☐	Water ☐ Potable ☐ NPDES ☐ Ground ☐ Surface	Other:	Total # of Containers	8260 VOC (H)	Ferrous Iron (H)	VC by 8260SIM (H)							Remarks (6) Temperature of samples upon receipt (if requested)
PW-8A	5/3/12	0925	X			X		7	✓	✓	✓							More Samples
PW-11	5/3/12	0940	X			X		7	✓	✓	✓							To Fallow
RI-20S	5/3/12	1000	X			X		7	✓	✓	✓							
PW-10A	5/3/12	1040	X			X		7	✓	✓	✓							
W-16	5/3/12	1120	X			X		7	✓	✓	✓							
W-1	5/3/12	1200	X			X		7	✓	✓	✓							
RW-1	5/3/12	1245	X			X		7	✓	✓	✓							
Trip Blank								2	✓									

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

EZ-EDD

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	05/03/12	5/3/12	[signature]	5/3/12	1572
[signature]	5/3/12	1720			
			[signature]	5/3/12	1720

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

May 17, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 05/07/2012
Group Number: 1307155
SDG: BAE52
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
W-10502120900 Grab Water	6642610
W-120502120925 Grab Water	6642611
Fox_MW-50502121010 Grab Water	6642612
W-140502121105 Grab Water	6642613
PW-8B0502121130 Grab Water	6642614
PW-120502121235 Grab Water	6642615
PW-130502121405 Grab Water	6642616
PW-10B0502121450 Grab Water	6642617
PW-20503121345 Grab Water	6642618
PW-140503121415 Grab Water	6642619
RECOVERY_WELL0503121525 Grab Water	6642620
PW-10503121515 Grab Water	6642621
W-30504120955 Grab Water	6642622
RI-19S0504121045 Grab Water	6642623
RI-19SDUP0504121045 Grab Water	6642624
RI-19D0504121130 Grab Water	6642625
W-40504121210 Grab Water	6642626
Trip_Blank050212 Water	6642627
Field_Blank0504120845 Grab Water	6642628
Rinseate_Blank0504121000 Grab Water	6642629

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Environmental Alliance, Inc. Attn: Myrna Klair

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

COPY TO
1 COPY TO Data Package Group

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-10502120900 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642610
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 09:00 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W1863 SDG#: BAE52-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 13:22	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 13:22	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-120502120925 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642611
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 09:25 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W1263 SDG#: BAE52-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 13:46	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 13:46	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Fox_MW-50502121010 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642612
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 10:10 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

M5163 SDG#: BAE52-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	14	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	2 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	15	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	94	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 14:10	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 14:10	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-140502121105 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642613
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 11:05 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

14163 SDG#: BAE52-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	3 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	9	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	6	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 14:34	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 14:34	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8B0502121130 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642614
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 11:30 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

8B163 SDG#: BAE52-05

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	1	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	9		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 14:58	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 14:58	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-120502121235 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642615
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 12:35 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

12163 SDG#: BAE52-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	1	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	0.9	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	12		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 15:22	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 15:22	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-130502121405 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642616
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 14:05 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

13163 SDG#: BAE52-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	1 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	16	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 15:46	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 15:46	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10B0502121450 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642617
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/02/2012 14:50 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

10B63 SDG#: BAE52-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	12	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 16:10	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 16:10	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-20503121345 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642618
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 13:45 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

21863 SDG#: BAE52-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	3	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	91		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 16:34	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 16:34	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-140503121415 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642619
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 14:15 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1463 SDG#: BAE52-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	3 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 16:57	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 16:57	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RECOVERY_WELL0503121525 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642620
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 15:25 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW863 SDG#: BAE52-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	5	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	48	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 17:22	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 17:22	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10503121515 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642621
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/03/2012 15:15 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

P1863 SDG#: BAE52-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	21	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 17:46	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 17:46	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-30504120955 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642622
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 09:55 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W3863 SDG#: BAE52-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	3 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	34	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	7	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 18:10	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 18:10	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19S0504121045 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642623
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 10:45 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

R1963 SDG#: BAE52-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 18:34	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 18:34	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19SDUP0504121045 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642624
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 10:45 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19SD3 SDG#: BAE52-15FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 18:57	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 18:57	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19D0504121130 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642625
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 11:30 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

19D63 SDG#: BAE52-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 19:22	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 19:22	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-40504121210 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642626
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 12:10 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W4863 SDG#: BAE52-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	56	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	510	10	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 19:46	Linda C Pape	1
10903	PPL 8260 Water	SW-846 8260B	1	T121371AA	05/16/2012 16:21	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 19:46	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121371AA	05/16/2012 16:21	Linda C Pape	10

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Trip_Blank050212 Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642627
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: n.a.

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

TB863 SDG#: BAE52-18TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121361AA	05/15/2012 20:10	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121361AA	05/15/2012 20:10	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Field_Blank0504120845 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642628
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 08:45 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FB863 SDG#: BAE52-19FB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
	The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,2-dichloroethane.				
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Field_Blank0504120845 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642628
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 08:45 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FB863 SDG#: BAE52-19FB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121371AA	05/16/2012 17:57	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E121351AA	05/14/2012 14:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E121351AA	05/14/2012 14:31	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121371AA	05/16/2012 17:57	Linda C Pape	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: Rinseate_Blank0504121000 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642629
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 10:00 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RB863 SDG#: BAE52-20RB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,2-dichloroethane.

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Rinseate_Blank0504121000 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6642629
LLI Group # 1307155
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/04/2012 10:00 by DZ

Submitted: 05/07/2012 16:10
Reported: 05/17/2012 18:56

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RB863 SDG#: BAE52-20RB*

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T121371AA	05/16/2012 18:21	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121371AA	05/16/2012 18:21	Linda C Pape	1

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307155
Reported: 05/17/12 at 06:56 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E121351AA	Sample number(s): 6642628							
Vinyl Chloride	N.D.	0.010	ug/l	109	105	70-130	4	30
Batch number: T121361AA	Sample number(s): 6642610-6642627							
Acrolein	N.D.	40.	ug/l	129	129	51-140	0	30
Acrylonitrile	N.D.	4.	ug/l	102	96	49-153	5	30
Benzene	N.D.	0.5	ug/l	108	107	77-121	1	30
Bromodichloromethane	N.D.	1.	ug/l	108	107	73-120	1	30
Bromoform	N.D.	1.	ug/l	91	93	61-120	3	30
Bromomethane	N.D.	1.	ug/l	101	96	44-120	5	30
Carbon Tetrachloride	N.D.	1.	ug/l	114	110	67-122	3	30
Chlorobenzene	N.D.	0.8	ug/l	101	103	80-120	2	30
Chloroethane	N.D.	1.	ug/l	100	94	49-129	6	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	104	104	56-129	0	30
Chloroform	N.D.	0.8	ug/l	117	114	77-122	3	30
Chloromethane	N.D.	1.	ug/l	110	103	60-129	6	30
Dibromochloromethane	N.D.	1.	ug/l	106	106	72-120	0	30
1,1-Dichloroethane	N.D.	1.	ug/l	109	107	79-120	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	126	126	64-130	0	30
1,1-Dichloroethene	N.D.	0.8	ug/l	98	93	80-120	4	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	103	101	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	101	98	80-120	3	30
1,2-Dichloropropane	N.D.	1.	ug/l	105	103	80-120	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	108	108	78-120	0	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	107	110	79-120	3	30
Ethylbenzene	N.D.	0.8	ug/l	98	98	79-120	0	30
Methylene Chloride	N.D.	2.	ug/l	109	105	80-126	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	112	115	75-123	2	30
Tetrachloroethene	N.D.	0.8	ug/l	101	102	79-120	1	30
Toluene	N.D.	0.7	ug/l	105	105	79-120	0	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	110	109	70-121	1	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	104	104	80-120	0	30
Trichloroethene	N.D.	1.	ug/l	104	103	80-120	1	30
Trichlorofluoromethane	N.D.	2.	ug/l	119	112	56-128	5	30
Vinyl Chloride	N.D.	1.	ug/l	101	96	56-123	5	30
Xylene (Total)	N.D.	0.8	ug/l	97	97	77-120	0	30
Batch number: T121371AA	Sample number(s): 6642626,6642628-6642629							
Acrolein	N.D.	40.	ug/l	129		51-140		
Acrylonitrile	N.D.	4.	ug/l	104		49-153		
Benzene	N.D.	0.5	ug/l	110		77-121		
Bromodichloromethane	N.D.	1.	ug/l	112		73-120		
Bromoform	N.D.	1.	ug/l	91		61-120		
Bromomethane	N.D.	1.	ug/l	101		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	114		67-122		
Chlorobenzene	N.D.	0.8	ug/l	101		80-120		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307155
Reported: 05/17/12 at 06:56 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroethane	N.D.	1.	ug/l	97		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	103		56-129		
Chloroform	N.D.	0.8	ug/l	118		77-122		
Chloromethane	43	1.	ug/l	109		60-129		
Dibromochloromethane	N.D.	1.	ug/l	105		72-120		
1,1-Dichloroethane	N.D.	1.	ug/l	110		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	132*		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	92		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	102		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	98		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	106		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	108		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	110		79-120		
Ethylbenzene	N.D.	0.8	ug/l	97		79-120		
Methylene Chloride	N.D.	2.	ug/l	109		80-126		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	119		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	101		79-120		
Toluene	N.D.	0.7	ug/l	105		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	110		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	104		80-120		
Trichloroethene	N.D.	1.	ug/l	105		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	116		56-128		
Vinyl Chloride	N.D.	1.	ug/l	99		56-123		
Xylene (Total)	N.D.	0.8	ug/l	96		77-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: T121371AA	Sample number(s): 6642626,6642628-6642629 UNSPK: P645209								
Acrolein	123	118	33-147	4	30				
Acrylonitrile	105	110	43-146	5	30				
Benzene	117	124	72-134	6	30				
Bromodichloromethane	118	121	78-125	2	30				
Bromoform	93	97	48-118	4	30				
Bromomethane	113	114	38-149	2	30				
Carbon Tetrachloride	128	138*	72-135	7	30				
Chlorobenzene	109	114	87-124	4	30				
Chloroethane	110	109	51-145	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	129	133	81-134	3	30				
Chloromethane	122	122	67-154	0	30				
Dibromochloromethane	106	114	74-116	7	30				
1,1-Dichloroethane	118	123	84-129	4	30				
1,2-Dichloroethane	140*	142*	68-131	1	30				
1,1-Dichloroethene	105	111	85-142	5	30				
cis-1,2-Dichloroethene	108	113	85-125	5	30				
trans-1,2-Dichloroethene	108	112	87-126	4	30				
1,2-Dichloropropane	112	117	83-124	5	30				
cis-1,3-Dichloropropene	109	116	70-116	6	30				
trans-1,3-Dichloropropene	111	115	74-119	4	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307155
Reported: 05/17/12 at 06:56 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Ethylbenzene	103	109	71-134	6	30				
Methylene Chloride	116	119	78-133	3	30				
1,1,2,2-Tetrachloroethane	122	126	72-128	3	30				
Tetrachloroethene	105	114	80-128	8	30				
Toluene	112	117	80-125	4	30				
1,1,1-Trichloroethane	124	129	74-131	3	30				
1,1,2-Trichloroethane	109	114	77-124	4	30				
Trichloroethene	115	119	88-133	3	30				
Trichlorofluoromethane	143	143	64-146	0	30				
Vinyl Chloride	112	114	66-133	3	30				
Xylene (Total)	103	108	79-125	5	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E121351AA

	Dibromofluoromethane
6642628	90
Blank	88
LCS	75*
LCSD	73*
Limits:	80-120

Analysis Name: 8260 Std. Water Master
Batch number: T121361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6642610	107	98	97	101
6642611	108	97	97	99
6642612	108	98	96	99
6642613	109	95	95	98
6642614	107	96	95	100
6642615	109	99	97	101
6642616	109	97	97	100
6642617	109	96	97	101
6642618	109	97	98	102
6642619	109	98	94	99
6642620	109	97	97	101
6642621	109	100	96	100
6642622	108	98	95	99
6642623	109	99	96	101
6642624	109	99	96	102
6642625	109	99	97	99
6642626	110	97	97	101
6642627	109	95	96	99

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307155
Reported: 05/17/12 at 06:56 PM

Surrogate Quality Control

Blank	107	97	96	100
LCS	106	98	99	103
LCSD	105	98	99	104
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: T121371AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6642628	108	99	96	101
6642629	109	101	95	98
Blank	107	98	95	97
LCS	107	97	98	104
MS	108	97	98	103
MSD	108	98	98	106
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 7039 Group # 1307155 Sample # 6642610-29 **COC # 305983** 1-2

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: BAE/1863 PWSID #:
Project Manager: Jason Farly P.O.#:
Sampler: DEREK ZAY / HARLEY YERKES Quote #:
Name of state where samples were collected: Pennsylvania

(5) Analyses Requested — Preservation Codes

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix: Soil ☐ Sediment ☐	Water: Potable ☐ NPDES ☐ Ground ☐ Surface ☐	Other:	(4) Total # of Containers	8260 VOC (H)	~~Ferrous Iron~~ OZ	~~VC by 8260SIM~~ OZ						Remarks	(6) Temperature of samples upon receipt (if requested)
W-10	05/02/12	0900	✓			✓		3	✓									
W-12	05/02/12	0925	✓			✓		3	✓									
Fox MW-5	05/02/12	1010	✓			✓		3	✓									
W-14	05/02/12	1105	✓			✓		3	✓									
PW-8B	05/02/12	1130	✓			✓		3	✓									
PW-12	05/02/12	1235	✓			✓		3	✓									
PW-13	05/02/12	1405	✓			✓		3	✓									
PW-10B	05/02/12	1450	✓			✓		3	✓									
PW-2	05/03/12	1345	✓			✓		3	✓									
PW-14	05/03/12	1415	✓			✓		3	✓									

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	05/07/12	1000	[signature]	5/7/12	11:57
[signature]	5/7/12	16:10			
			[signature]	5/7/12	1610

EZ-EDD

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.01

Environmental Analysis Request/Chain of Custody

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Acct. # 7639 Group # 1307155 Sample # 6642610-29

COC # 305590 1-2

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Environmental Alliance Acct. #:

Project Name/#: BAE/ 1863 PWSID #:

Project Manager: JASON EARLY P.O.#:

Sampler: Derek ZAY/ Harley Yerkes Quote #:

Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#: 121489

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other:	Total # of Containers	8260 Voc's (H)								Remarks	Temperature of samples upon receipt (if requested)
Recovery Well	05/03/12	1525	✓			✓		3	✓									
PW-1	05/03/12	1515	✓			✓		3	✓									
W-3	05/04/12	0955	✓			✓		3	✓									
RI-19S	05/04/12	1045	✓			✓		3	✓									
RI-19S DUP	05/04/12	1045	✓			✓		3	✓									
RI-19D	05/04/12	1130	✓			✓		3	✓									
W-4	05/04/12	1210	✓			✓		3	✓									

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	4/27/12	0800	[signature]	4/27/12	0800
[signature]	4/27/12	1000	[signature]	05/02/12	0800
[signature]	05/07/12	1000	Harry Weger	5/7/12	11:37
Harry Weger	5/7/12	1610			
			[signature]	5/7/12	1610

EZ-EDD

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1307165 Sample # 66642610-29

COC # 305982

1-2

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: BAE / 1863 PWSID #:
Project Manager: Jason Early P.O.#:
Sampler: Derek Zay / Harley Yerkes Quote #:
Name of state where samples were collected: Pennsylvania

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification | Date Collected | Time Collected | (3) Grab | Composite | Matrix: Soil | Sediment | Water (Potable, Ground, NPDES, Surface) | Other: | (4) Total # of Containers | (5) Analyses Requested / Preservation Codes: 8260 VOC | Ferrous Iron | VC by 8260SIM | Remarks | (6) Temperature of samples upon receipt (if requested)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Sediment	Water	Other	Total # of Containers	8260 VOC	Ferrous Iron	VC by 8260SIM	Remarks
Trip Blank									2	✓			
Field Blank	05/04/12	0845	✓				✓		6	✓		✓	
Rinsate Blank	05/04/12	1000	✓				✓		3	✓			

(7) **Turnaround Time Requested** (TAT) (please circle): (Standard) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Derek Zay	05/07/12	1300	Harry Weiger	5/7/12	1159
Harry Weiger	5/7/12	16:10			

EZ-EDD

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:	Prepared for:
Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425	Environmental Alliance, Inc. 5341 Limestone Rd Wilmington DE 19808

May 21, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 05/09/2012
Group Number: 1307749
SDG: BAE53
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
RI-310508121230 Grab Water	6645842

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-310508121230 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6645842
LLI Group # 1307749
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/08/2012 12:30 by DZ

Submitted: 05/09/2012 16:10
Reported: 05/21/2012 17:32

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI-31 SDG#: BAE53-01*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	93	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	460	10	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L121402AA	05/19/2012 23:18	Holly Berry	1
10903	PPL 8260 Water	SW-846 8260B	1	L121411AA	05/20/2012 21:25	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121402AA	05/19/2012 23:18	Holly Berry	1

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Analysis Report

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Sample Description: RI-310508121230 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6645842
LLI Group # 1307749
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 05/08/2012 12:30 by DZ

Submitted: 05/09/2012 16:10
Reported: 05/21/2012 17:32

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI-31 SDG#: BAE53-01*

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L121411AA	05/20/2012 21:25	Holly Berry	10

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Analysis Report

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307749
Reported: 05/21/12 at 05:32 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: L121402AA	Sample number(s): 6645842							
Acrolein	N.D.	40.	ug/l	67	64	51-140	5	30
Acrylonitrile	N.D.	4.	ug/l	121	122	49-153	0	30
Benzene	N.D.	0.5	ug/l	104	104	77-121	1	30
Bromodichloromethane	N.D.	1.	ug/l	103	101	73-120	3	30
Bromoform	N.D.	1.	ug/l	96	95	61-120	1	30
Bromomethane	N.D.	1.	ug/l	70	63	44-120	11	30
Carbon Tetrachloride	N.D.	1.	ug/l	87	86	67-122	1	30
Chlorobenzene	N.D.	0.8	ug/l	105	104	80-120	2	30
Chloroethane	N.D.	1.	ug/l	85	64	49-129	28	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	73	78	56-129	7	30
Chloroform	N.D.	0.8	ug/l	102	100	77-122	2	30
Chloromethane	N.D.	1.	ug/l	91	92	60-129	1	30
Dibromochloromethane	N.D.	1.	ug/l	100	99	72-120	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	106	105	79-120	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	106	106	64-130	0	30
1,1-Dichloroethene	N.D.	0.8	ug/l	93	91	80-120	3	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	106	103	80-120	3	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	96	96	80-120	0	30
1,2-Dichloropropane	N.D.	1.	ug/l	109	109	80-120	0	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	104	104	78-120	0	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	107	107	79-120	0	30
Ethylbenzene	N.D.	0.8	ug/l	107	106	79-120	1	30
Methylene Chloride	N.D.	2.	ug/l	109	106	80-126	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	117	117	75-123	0	30
Tetrachloroethene	N.D.	0.8	ug/l	93	92	79-120	1	30
Toluene	N.D.	0.7	ug/l	106	105	79-120	1	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	79	77	70-121	2	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	112	109	80-120	2	30
Trichlorofluoromethane	N.D.	2.	ug/l	98	97	56-128	1	30
Vinyl Chloride	N.D.	1.	ug/l	93	94	56-123	0	30
Xylene (Total)	N.D.	0.8	ug/l	108	108	77-120	1	30
Batch number: L121411AA	Sample number(s): 6645842							
Trichloroethene	N.D.	1.	ug/l	98		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307749
Reported: 05/21/12 at 05:32 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: L121402AA	Sample number(s): 6645842 UNSPK: P657335								
Acrolein	63	71	33-147	12	30				
Acrylonitrile	113	126	43-146	11	30				
Benzene	106	118	72-134	11	30				
Bromodichloromethane	101	113	78-125	12	30				
Bromoform	92	100	48-118	8	30				
Bromomethane	69	82	38-149	17	30				
Carbon Tetrachloride	91	103	72-135	13	30				
Chlorobenzene	105	117	87-124	11	30				
Chloroethane	89	98	51-145	10	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	101	114	81-134	12	30				
Chloromethane	93	107	67-154	14	30				
Dibromochloromethane	96	107	74-116	11	30				
1,1-Dichloroethane	104	119	84-129	13	30				
1,2-Dichloroethane	103	116	68-131	11	30				
1,1-Dichloroethene	98	110	85-142	11	30				
cis-1,2-Dichloroethene	105	118	85-125	12	30				
trans-1,2-Dichloroethene	100	111	87-126	11	30				
1,2-Dichloropropane	107	122	83-124	13	30				
cis-1,3-Dichloropropene	99	113	70-116	14	30				
trans-1,3-Dichloropropene	102	117	74-119	13	30				
Ethylbenzene	109	121	71-134	11	30				
Methylene Chloride	106	119	78-133	12	30				
1,1,2,2-Tetrachloroethane	110	124	72-128	12	30				
Tetrachloroethene	96	107	80-128	10	30				
Toluene	108	120	80-125	10	30				
1,1,1-Trichloroethane	81	92	74-131	12	30				
1,1,2-Trichloroethane	106	118	77-124	11	30				
Trichlorofluoromethane	105	114	64-146	9	30				
Vinyl Chloride	101	112	66-133	10	30				
Xylene (Total)	109	123	79-125	12	30				
Batch number: L121411AA	Sample number(s): 6645842 UNSPK: P649092								
Trichloroethene	99	101	88-133	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Std. Water Master
Batch number: L121402AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6645842	100	103	105	99
Blank	99	105	104	101
LCS	97	103	106	103
LCSD	96	104	105	102
MS	97	101	106	103
MSD	96	105	106	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (water)

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1307749
Reported: 05/21/12 at 05:32 PM

Surrogate Quality Control

Batch number: L121411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	97	103	105	102
LCS	96	101	105	103
MS	97	103	106	103
MSD	97	102	106	102
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1307749 Sample # 6645842

COC # 305984

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek Zay Quote #:
Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#:

(5) Analyses Requested

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(6) Temperature of samples upon receipt (if requested)

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix: Soil	Matrix: Water (Potable / NPDES / Ground / Surface)	Matrix: Other:	(4) Total # of Containers	Vol's 8260 (H)								Remarks
RI-31	05/08/12	1230	✓			✓		3	✓								Sampling completed No more samples

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13 EZ EDD

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	05/08/12	0950	[signature]	5/9/12	0950
[signature]	5/9/12	1610			
			[signature]	5/9/12	1610

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

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ANALYTICAL RESULTS

Prepared by:	Prepared for:
Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425	Environmental Alliance, Inc. 5341 Limestone Rd Wilmington DE 19808

September 06, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 08/21/2012
Group Number: 1330256
SDG: BAE54
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
W-160821120845 Grab Water	6761980
PW-110821121005 Grab Water	6761981
PW-8A0821121055 Grab Water	6761982
PW-10A0821121125 Grab Water	6761983
W-10821121210 Grab Water	6761984
RW-10821121315 Grab Water	6761985
RI-20S0821121435 Grab Water	6761986
PW-10A_DUP0821121125 Grab Water	6761987

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

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Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: W-160821120845 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761980
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 08:45 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS16 SDG#: BAE54-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	9.00	0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	34.2	1.5	5
	EPA 353.2		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	2.9	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
	EPA 415.1 modified		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.87 J	0.50	1

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Analysis Report

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Sample Description: W-160821120845 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761980
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 08:45 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS16 SDG#: BAE54-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.62 J	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	190	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 13:22	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 13:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 13:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 13:22	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 12:44	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655601B	08/30/2012 23:13	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101A	08/26/2012 11:34	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101A	08/22/2012 09:10	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 01:09	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502A	08/24/2012 06:30	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 16:36	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 16:36	Clayton C Litchmore	1

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Analysis Report

Sample Description: PW-110821121005 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761981
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 10:05 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS11 SDG#: BAE54-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	1	J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	34		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	8		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	66		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.035	J	0.010	1
Metals	**SW-846 6010B**		**mg/l**		**mg/l**	
01754	Iron	7439-89-6	0.331		0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00228	Sulfate	14808-79-8	29.8		1.5	5
	EPA 353.2		**mg/l**		**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.53		0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	1
	EPA 415.1 modified		**mg/l**		**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.66	J	0.50	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-110821121005 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761981
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 10:05 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS11 SDG#: BAE54-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.51 J	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	145	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 13:46	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 13:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 13:34	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 13:46	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 11:57	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655601B	08/30/2012 23:28	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101A	08/26/2012 11:35	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101A	08/22/2012 09:14	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 01:24	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502A	08/24/2012 07:15	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101B	08/25/2012 14:40	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101B	08/25/2012 14:40	Clayton C Litchmore	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8A0821121055 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761982
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 10:55 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS08 SDG#: BAE54-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	11	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	26	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.010 J	0.010	1
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	1.02	0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	25.4	1.5	5
	EPA 353.2		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.69	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
	EPA 415.1 modified		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.55 J	0.50	1

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Analysis Report

Sample Description: PW-8A0821121055 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761982
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 10:55 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS08 SDG#: BAE54-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	N.D.	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	139	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 17:45	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 13:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 13:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 17:45	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 12:48	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655601B	08/30/2012 23:43	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101A	08/26/2012 11:39	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101A	08/22/2012 09:15	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 01:39	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502A	08/24/2012 07:30	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 14:22	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 14:22	Clayton C Litchmore	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A0821121125 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761983
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 11:25 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS10 SDG#: BAE54-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	6	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	52	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	5 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	2 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	7	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	120	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.12	0.010	1
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0805 J	0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	25.7	1.5	5
	EPA 353.2		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	0.68	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
	EPA 415.1 modified		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.55 J	0.50	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A0821121125 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761983
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 11:25 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS10 SDG#: BAE54-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.53 J	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	149	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 14:10	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 14:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 14:14	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 14:10	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 12:52	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655602A	08/31/2012 00:29	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101A	08/26/2012 11:40	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101A	08/22/2012 09:16	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 01:54	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502A	08/24/2012 07:45	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 15:03	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 15:03	Clayton C Litchmore	1

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Analysis Report

Sample Description: W-10821121210 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761984
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 12:10 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNSW1 SDG#: BAE54-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	14	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	5.81	0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	21.1	1.5	5
	EPA 353.2		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.6	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
	EPA 415.1 modified		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.5	0.50	1

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Analysis Report

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Sample Description: W-10821121210 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761984
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 12:10 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNSW1 SDG#: BAE54-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	2.6	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	90.3	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 14:33	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 14:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 14:33	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 14:33	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 12:56	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655602B	08/31/2012 01:45	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101A	08/26/2012 11:42	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101A	08/22/2012 09:17	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 02:10	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502B	08/24/2012 08:01	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 14:58	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 14:58	Clayton C Litchmore	1

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Analysis Report

Sample Description: RW-10821121315 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761985
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 13:15 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS01 SDG#: BAE54-06

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	3	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	1	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	4	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	82		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**		**ug/l**	
06008	Vinyl Chloride	75-01-4	0.076		0.010	1
Metals	**SW-846 6010B**		**mg/l**		**mg/l**	
01754	Iron	7439-89-6	0.585		0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	
00228	Sulfate	14808-79-8	17.0		1.5	5
	EPA 353.2		**mg/l**		**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	2.3		0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.		0.015	1
	EPA 415.1 modified		**mg/l**		**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.64	J	0.50	1

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Analysis Report

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Sample Description: RW-10821121315 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761985
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 13:15 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS01 SDG#: BAE54-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.58 J	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	151	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 14:57	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 14:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 14:53	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 14:57	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 12:59	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655602A	08/31/2012 02:30	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101A	08/26/2012 11:43	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101B	08/22/2012 09:19	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 02:54	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502B	08/24/2012 08:16	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 15:17	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 15:17	Clayton C Litchmore	1

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Analysis Report

Sample Description: RI-20S0821121435 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761986
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 14:35 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS20 SDG#: BAE54-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	4 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	64	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	4 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	14	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	160	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	0.069	0.010	1
Metals	**SW-846 6010B**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0907 J	0.0333	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	
00228	Sulfate	14808-79-8	24.7	1.5	5
	EPA 353.2		**mg/l**	**mg/l**	
00220	Nitrate Nitrogen	14797-55-8	1.3	0.040	1
00219	Nitrite Nitrogen	14797-65-0	N.D.	0.015	1
	EPA 415.1 modified		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.50 J	0.50	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-20S0821121435 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761986
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 14:35 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNS20 SDG#: BAE54-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Wet Chemistry	**SM20 5310 C**		**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	N.D.	0.50	1
	SM20 2320 B		**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity	n.a.	137	0.70	1
12707	Phenolphthalein Alkalinity	n.a.	N.D.	0.70	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122431AA	08/30/2012 15:21	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 15:13	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122431AA	08/30/2012 15:21	Linda C Pape	1
01754	Iron	SW-846 6010B	1	122371848002	08/26/2012 13:03	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	122371848002	08/25/2012 10:30	Denise K Conners	1
00228	Sulfate	EPA 300.0	1	12243655602A	08/31/2012 02:45	Christopher D Meeks	5
00220	Nitrate Nitrogen	EPA 353.2	1	12239106101B	08/26/2012 11:44	Joseph E McKenzie	1
00219	Nitrite Nitrogen	EPA 353.2	1	12235105101B	08/22/2012 09:22	K Robert Caulfeild-James	1
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	12241049501A	08/28/2012 03:27	James S Mathiot	1
00273	Total Organic Carbon	SM20 5310 C	1	12237049502B	08/24/2012 08:31	James S Mathiot	1
12150	Total Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 14:52	Clayton C Litchmore	1
12707	Phenolphthalein Alkalinity	SM20 2320 B	1	12238002101A	08/25/2012 14:52	Clayton C Litchmore	1

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Analysis Report

Sample Description: PW-10A_DUP0821121125 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761987
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 11:25 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNSFD SDG#: BAE54-08FD*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	6	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	54	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	2 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	6	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	130	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	N122441AA	08/31/2012 04:25	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10A_DUP0821121125 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6761987
LLI Group # 1330256
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 11:25 by DZ

Submitted: 08/21/2012 17:15
Reported: 09/06/2012 14:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

LNSFD SDG#: BAE54-08FD*

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122441AA	08/31/2012 04:25	Christopher G Torres	1

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330256
Reported: 09/06/12 at 02:33 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E122371AA	Sample number(s): 6761980-6761986							
Vinyl Chloride	N.D.	0.010	ug/l	119	119	70-130	0	30
Batch number: N122441AA	Sample number(s): 6761987							
Acrolein	N.D.	40.	ug/l	83		51-140		
Acrylonitrile	N.D.	4.	ug/l	90		49-153		
Benzene	N.D.	0.5	ug/l	100		77-121		
Bromodichloromethane	N.D.	1.	ug/l	103		73-120		
Bromoform	N.D.	1.	ug/l	97		61-120		
Bromomethane	N.D.	1.	ug/l	72		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	108		67-122		
Chlorobenzene	N.D.	0.8	ug/l	102		80-120		
Chloroethane	N.D.	1.	ug/l	73		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	91		56-129		
Chloroform	N.D.	0.8	ug/l	95		77-122		
Chloromethane	N.D.	1.	ug/l	76		60-129		
Dibromochloromethane	N.D.	1.	ug/l	100		72-120		
1,1-Dichloroethane	N.D.	1.	ug/l	102		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	103		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	105		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	99		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	103		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	99		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	101		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	94		79-120		
Ethylbenzene	N.D.	0.8	ug/l	99		79-120		
Methylene Chloride	N.D.	2.	ug/l	101		80-126		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	92		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	110		79-120		
Toluene	N.D.	0.7	ug/l	100		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	95		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	97		80-120		
Trichloroethene	N.D.	1.	ug/l	100		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	100		56-128		
Vinyl Chloride	N.D.	1.	ug/l	79		56-123		
Xylene (Total)	N.D.	0.8	ug/l	101		77-120		
Batch number: T122431AA	Sample number(s): 6761980-6761986							
Acrolein	N.D.	40.	ug/l	62	60	51-140	3	30
Acrylonitrile	N.D.	4.	ug/l	104	102	49-153	2	30
Benzene	N.D.	0.5	ug/l	106	105	77-121	1	30
Bromodichloromethane	N.D.	1.	ug/l	97	98	73-120	1	30
Bromoform	N.D.	1.	ug/l	97	93	61-120	4	30
Bromomethane	N.D.	1.	ug/l	93	93	44-120	0	30
Carbon Tetrachloride	N.D.	1.	ug/l	100	98	67-122	2	30
Chlorobenzene	N.D.	0.8	ug/l	109	105	80-120	4	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330256
Reported: 09/06/12 at 02:33 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloroethane	N.D.	1.	ug/l	101	98	49-129	3	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	109	108	56-129	1	30
Chloroform	N.D.	0.8	ug/l	97	95	77-122	1	30
Chloromethane	N.D.	1.	ug/l	93	92	60-129	1	30
Dibromochloromethane	N.D.	1.	ug/l	101	99	72-120	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	109	109	79-120	0	30
1,2-Dichloroethane	N.D.	1.	ug/l	96	96	64-130	0	30
1,1-Dichloroethene	N.D.	0.8	ug/l	107	109	80-120	1	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	111	110	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	109	109	80-120	0	30
1,2-Dichloropropane	N.D.	1.	ug/l	113	112	80-120	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	117	117	78-120	0	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	109	108	79-120	1	30
Ethylbenzene	N.D.	0.8	ug/l	108	106	79-120	1	30
Methylene Chloride	N.D.	2.	ug/l	103	101	80-126	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	119	116	75-123	3	30
Tetrachloroethene	N.D.	0.8	ug/l	108	106	79-120	2	30
Toluene	N.D.	0.7	ug/l	107	104	79-120	3	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	98	97	70-121	2	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	116	109	80-120	6	30
Trichloroethene	N.D.	1.	ug/l	104	106	80-120	2	30
Trichlorofluoromethane	N.D.	2.	ug/l	92	91	56-128	1	30
Vinyl Chloride	N.D.	1.	ug/l	101	100	56-123	1	30
Xylene (Total)	N.D.	0.8	ug/l	107	106	77-120	1	30
Batch number: 122371848002	Sample number(s): 6761980-6761986							
Iron	N.D.	0.0333	mg/l	98		90-112		
Batch number: 12235105101A	Sample number(s): 6761980-6761984							
Nitrite Nitrogen	N.D.	0.015	mg/l	97		90-110		
Batch number: 12235105101B	Sample number(s): 6761985-6761986							
Nitrite Nitrogen	N.D.	0.015	mg/l	97		90-110		
Batch number: 12237049502A	Sample number(s): 6761980-6761983							
Total Organic Carbon	N.D.	0.50	mg/l	107		91-113		
Batch number: 12237049502B	Sample number(s): 6761984-6761986							
Total Organic Carbon	N.D.	0.50	mg/l	107		91-113		
Batch number: 12239106101A	Sample number(s): 6761980-6761985							
Nitrate Nitrogen	N.D.	0.040	mg/l	99		90-110		
Batch number: 12239106101B	Sample number(s): 6761986							
Nitrate Nitrogen	N.D.	0.040	mg/l	99		90-110		
Batch number: 12241049501A	Sample number(s): 6761980-6761986							
Dissolved Organic Carbon	N.D.	0.50	mg/l	106		86-114		
Batch number: 12243655601B	Sample number(s): 6761980-6761982							
Sulfate	N.D.	0.30	mg/l	92		90-110		
Batch number: 12243655602A	Sample number(s): 6761983,6761985-6761986							
Sulfate	N.D.	0.30	mg/l	98		90-110		
Batch number: 12243655602B	Sample number(s): 6761984							
Sulfate	N.D.	0.30	mg/l	98		90-110		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330256
Reported: 09/06/12 at 02:33 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 12238002101A	Sample number(s): 6761980,6761982-6761986							
Total Alkalinity	N.D.	0.70	mg/l as CaCO3	99		90-110		
Batch number: 12238002101B	Sample number(s): 6761981							
Total Alkalinity	N.D.	0.70	mg/l as CaCO3	99		90-110		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: N122441AA	Sample number(s): 6761987 UNSPK: P767259								
Acrolein	65	0*	33-147	200*	30				
Acrylonitrile	82	85	43-146	4	30				
Benzene	97	101	72-134	4	30				
Bromodichloromethane	99	102	78-125	3	30				
Bromoform	88	92	48-118	5	30				
Bromomethane	64	78	38-149	20	30				
Carbon Tetrachloride	109	114	72-135	5	30				
Chlorobenzene	96	102	87-124	6	30				
Chloroethane	70	81	51-145	14	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	101	105	81-134	4	30				
Chloromethane	79	79	67-154	0	30				
Dibromochloromethane	91	96	74-116	6	30				
1,1-Dichloroethane	99	103	84-129	4	30				
1,2-Dichloroethane	100	103	68-131	3	30				
1,1-Dichloroethene	105	109	85-142	4	30				
cis-1,2-Dichloroethene	97	100	85-125	4	30				
trans-1,2-Dichloroethene	102	106	87-126	4	30				
1,2-Dichloropropane	95	98	83-124	3	30				
cis-1,3-Dichloropropene	91	97	70-116	6	30				
trans-1,3-Dichloropropene	83	89	74-119	7	30				
Ethylbenzene	92	99	71-134	6	30				
Methylene Chloride	97	101	78-133	4	30				
1,1,2,2-Tetrachloroethane	81	86	72-128	6	30				
Tetrachloroethene	107	113	80-128	5	30				
Toluene	94	99	80-125	5	30				
1,1,1-Trichloroethane	95	99	74-131	4	30				
1,1,2-Trichloroethane	89	95	77-124	6	30				
Trichloroethene	99	104	88-133	5	30				
Trichlorofluoromethane	111	110	64-146	1	30				
Vinyl Chloride	85	85	66-133	1	30				
Xylene (Total)	94	99	79-125	6	30				
Batch number: 122371848002	Sample number(s): 6761980-6761986 UNSPK: 6761981 BKG: 6761981								
Iron	108	154*	75-125	28*	20	0.331	0.299	10 (1)	20
Batch number: 12235105101A	Sample number(s): 6761980-6761984 UNSPK: P761891 BKG: P761891								
Nitrite Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330256
Reported: 09/06/12 at 02:33 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 12235105101B	Sample number(s): 6761985-6761986 UNSPK: 6761985 BKG: 6761985								
Nitrite Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20
Batch number: 12237049502A	Sample number(s): 6761980-6761983 UNSPK: 6761980 BKG: 6761980								
Total Organic Carbon	108		63-142			0.62 J	0.60 J	4 (1)	4
Batch number: 12237049502B	Sample number(s): 6761984-6761986 UNSPK: 6761986 BKG: 6761986								
Total Organic Carbon	110		63-142			N.D.	N.D.	0 (1)	4
Batch number: 12239106101A	Sample number(s): 6761980-6761985 UNSPK: P761891 BKG: P761891								
Nitrate Nitrogen	98		90-110			N.D.	N.D.	0 (1)	2
Batch number: 12239106101B	Sample number(s): 6761986 UNSPK: 6761986 BKG: 6761986								
Nitrate Nitrogen	97		90-110			1.3	1.3	1	2
Batch number: 12241049501A	Sample number(s): 6761980-6761986 UNSPK: 6761984 BKG: 6761984								
Dissolved Organic Carbon	106		54-135			2.5	2.5	1 (1)	2
Batch number: 12243655601B	Sample number(s): 6761980-6761982 UNSPK: P771450 BKG: P771450								
Sulfate	117*		90-110			51.5	49.4	4	20
Batch number: 12243655602A	Sample number(s): 6761983,6761985-6761986 UNSPK: 6761983 BKG: 6761983								
Sulfate	114*		90-110			25.7	25.6	0	20
Batch number: 12243655602B	Sample number(s): 6761984 UNSPK: 6761984 BKG: 6761984								
Sulfate	117*		90-110			21.1	19.7	6 (1)	20
Batch number: 12238002101A	Sample number(s): 6761980,6761982-6761986 UNSPK: 6761982 BKG: 6761982								
Total Alkalinity	42*		73-121			139	142	2	5
Phenolphthalein Alkalinity						N.D.	N.D.	0 (1)	5
Batch number: 12238002101B	Sample number(s): 6761981 UNSPK: 6761982 BKG: 6761981								
Total Alkalinity	42*		73-121			145	144	1	5
Phenolphthalein Alkalinity						N.D.	N.D.	0 (1)	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E122371AA

	Dibromofluoromethane
6761980	88
6761981	88
6761982	88
6761983	87
6761984	88

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330256
Reported: 09/06/12 at 02:33 PM

Surrogate Quality Control

6761985	88
6761986	87
Blank	88
LCS	94
LCSD	94
Limits:	80-120

Analysis Name: 8260 Std. Water Master
Batch number: N122441AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6761987	105	103	96	94
Blank	103	102	94	94
LCS	101	103	103	100
MS	104	103	101	100
MSD	102	103	101	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: T122431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6761980	99	103	103	93
6761981	96	103	104	93
6761982	100	102	99	90
6761983	98	102	101	92
6761984	100	103	102	92
6761985	99	100	99	92
6761986	99	102	101	89
Blank	96	102	100	89
LCS	96	100	100	89
LCSD	97	103	100	89
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1330256 Sample # 6761980-87

COC # 311242

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: ENVIRONMENTAL ALLIANCE Acct. #:

Project Name/#: FORMER BAE/18503 PWSID #:

Project Manager: JASON EARLY P.O.#:

Sampler: DEREK ZAY Quote #:

Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Sediment	Water (Potable, NPDES, Ground, Surface)	Other:	Total # of Containers	8260 STWATER MASTERS (H)	WATERS BY SIMS 8260B (H)	HNO_3 IRON (N)	DISSOLVED ORGANIC CARBON	Sulfate	Nitrate Nitrogen (S)	Phenolphthalein Alkalinity, Total Alkalinity	NITRITE NITROGEN	TOTAL ORGANIC CARBON (O)	Remarks
W-16	08/21/12	0845	✓				✓		15	3	2	1	1	2	1	2	1	2	MORE Samples
PW-11	08/21/12	1005	✓				✓		15	3	2	1	1	2	1	2	1	2	TO FAILOW
PW-8A	08/21/12	1055	✓				✓		15	3	2	1	1	2	1	2	1	2	
PW-10A	08/21/12	1125	✓				✓		15	3	2	1	1	2	1	2	1	2	
VW-1	08/21/12	1210	✓				✓		15	3	2	1	1	2	1	2	1	2	
RW-1	08/21/12	1315	✓				✓		15	3	2	1	1	2	1	2	1	2	
RI-20S	08/21/12	1435	✓				✓		15	3	2	1	1	2	1	2	1	2	
PW-10A DUP	08/21/12	1125	✓				✓		3	3									

(6) Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: NORMAL
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	08/21/12	1535	[signature]	8/21/12	1535
[signature]	8/21/12	1715			
			[signature]	8/21/12	1715

EZ-EDD

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

August 30, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 08/23/2012
Group Number: 1330917
SDG: BAE55
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
W-130815121020 Grab Water	6765531
W-170815121055 Grab Water	6765532
Fox_MW-20815121105 Grab Water	6765533
Fox_MW-50815121205 Grab Water	6765534
Fox_MW-10815121300 Grab Water	6765535
W-100815121415 Grab Water	6765536
W-120815121440 Grab Water	6765537
W-140815121510 Grab Water	6765538
PW-8B0815121550 Grab Water	6765539
RI-20D0815121615 Grab Water	6765540
PW-120816120930 Grab Water	6765541
PW-7B0816120955 Grab Water	6765542
PW-130816121025 Grab Water	6765543
PW-7A0816121100 Grab Water	6765544
PW-10B0816121225 Grab Water	6765545
PW-140816121400 Grab Water	6765546
PW-20816121350 Grab Water	6765547
PW-30816121445 Grab Water	6765548
RW-20816121525 Grab Water	6765549
RW-30816121620 Grab Water	6765550

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Environmental Alliance, Inc. Attn: Myrna Klair

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COPY TO
1 COPY TO Data Package Group

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-130815121020 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765531
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 10:20 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W--13 SDG#: BAE55-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	1 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 11:53	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 11:53	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-170815121055 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765532
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 10:55 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W--17 SDG#: BAE55-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	3 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	6	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	4 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 12:17	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 12:17	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Fox_MW-20815121105 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765533
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 11:05 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FOX-2 SDG#: BAE55-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	9	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	8	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	12	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 12:41	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 12:41	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Fox_MW-50815121205 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765534
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 12:05 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FOX-5 SDG#: BAE55-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	14		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	2	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	13		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	92		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 13:05	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 13:05	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Fox_MW-10815121300 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765535
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 13:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FOX-1 SDG#: BAE55-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 13:29	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 13:29	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-100815121415 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765536
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 14:15 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-10- SDG#: BAE55-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 13:53	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 13:53	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-120815121440 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765537
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 14:40 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-12- SDG#: BAE55-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	1 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 14:17	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 14:17	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-140815121510 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765538
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 15:10 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W14-- SDG#: BAE55-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	13	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	15	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	9	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 14:41	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 14:41	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-8B0815121550 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765539
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 15:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW8B- SDG#: BAE55-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	3	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	1	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	12		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 15:05	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 15:05	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-20D0815121615 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765540
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/15/2012 16:15 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI20D SDG#: BAE55-10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	1	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	0.9	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	3	J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 15:29	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 15:29	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-120816120930 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765541
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 09:30 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW12- SDG#: BAE55-11

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	1	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	0.9	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	N.D.		0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	12		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 15:53	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 15:53	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-7B0816120955 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765542
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 09:55 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW7B- SDG#: BAE55-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	6	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 16:17	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 16:17	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-130816121025 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765543
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 10:25 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW13- SDG#: BAE55-13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	0.9	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	16		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 16:41	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 16:41	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-7A0816121100 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765544
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 11:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW7A- SDG#: BAE55-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	6	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 17:05	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 17:05	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10B0816121225 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765545
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 12:25 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW10B SDG#: BAE55-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	12	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 17:29	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 17:29	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-140816121400 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765546
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 14:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW14- SDG#: BAE55-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	2 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	17	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 17:52	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 17:52	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-20816121350 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765547
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 13:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW20B SDG#: BAE55-17

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	2	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	4	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	3	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	11		0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	99		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 18:16	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 18:16	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-30816121445 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765548
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 14:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-3- SDG#: BAE55-18

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	
10903	Acrolein	107-02-8	N.D.		40	1
10903	Acrylonitrile	107-13-1	N.D.		4	1
10903	Benzene	71-43-2	N.D.		0.5	1
10903	Bromodichloromethane	75-27-4	N.D.		1	1
10903	Bromoform	75-25-2	N.D.		1	1
10903	Bromomethane	74-83-9	N.D.		1	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1	1
10903	Chlorobenzene	108-90-7	N.D.		0.8	1
10903	Chloroethane	75-00-3	N.D.		1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.		2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.		0.8	1
10903	Chloromethane	74-87-3	N.D.		1	1
10903	Dibromochloromethane	124-48-1	N.D.		1	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1	1
10903	1,1-Dichloroethene	75-35-4	0.9	J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3	J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1	1
10903	Ethylbenzene	100-41-4	N.D.		0.8	1
10903	Methylene Chloride	75-09-2	N.D.		2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1	1
10903	Tetrachloroethene	127-18-4	3	J	0.8	1
10903	Toluene	108-88-3	N.D.		0.7	1
10903	1,1,1-Trichloroethane	71-55-6	2	J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	1
10903	Trichloroethene	79-01-6	39		1	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2	1
10903	Vinyl Chloride	75-01-4	N.D.		1	1
10903	Xylene (Total)	1330-20-7	N.D.		0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 18:41	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 18:41	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-20816121525 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765549
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 15:25 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW2-- SDG#: BAE55-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 19:05	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 19:05	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-30816121620 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765550
LLI Group # 1330917
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 16:20 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/30/2012 19:38

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

--RW3 SDG#: BAE55-20*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	T122421AA	08/29/2012 19:29	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122421AA	08/29/2012 19:29	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330917
Reported: 08/30/12 at 07:38 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: T122421AA	Sample number(s): 6765531-6765550							
Acrolein	N.D.	40.	ug/l	66	66	51-140	0	30
Acrylonitrile	N.D.	4.	ug/l	108	107	49-153	0	30
Benzene	N.D.	0.5	ug/l	106	110	77-121	3	30
Bromodichloromethane	N.D.	1.	ug/l	99	101	73-120	2	30
Bromoform	N.D.	1.	ug/l	92	92	61-120	1	30
Bromomethane	N.D.	1.	ug/l	96	98	44-120	2	30
Carbon Tetrachloride	N.D.	1.	ug/l	101	102	67-122	1	30
Chlorobenzene	N.D.	0.8	ug/l	110	112	80-120	2	30
Chloroethane	N.D.	1.	ug/l	103	102	49-129	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	111	112	56-129	1	30
Chloroform	N.D.	0.8	ug/l	98	100	77-122	2	30
Chloromethane	N.D.	1.	ug/l	96	103	60-129	7	30
Dibromochloromethane	N.D.	1.	ug/l	100	103	72-120	3	30
1,1-Dichloroethane	N.D.	1.	ug/l	112	114	79-120	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	101	103	64-130	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	109	111	80-120	2	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	111	112	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	109	110	80-120	1	30
1,2-Dichloropropane	N.D.	1.	ug/l	118	119	80-120	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	119	120	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	112	117	79-120	4	30
Ethylbenzene	N.D.	0.8	ug/l	109	114	79-120	4	30
Methylene Chloride	N.D.	2.	ug/l	106	105	80-126	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	118	122	75-123	4	30
Tetrachloroethene	N.D.	0.8	ug/l	108	112	79-120	3	30
Toluene	N.D.	0.7	ug/l	110	111	79-120	1	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	98	101	70-121	3	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	116	120	80-120	4	30
Trichloroethene	N.D.	1.	ug/l	106	108	80-120	2	30
Trichlorofluoromethane	N.D.	2.	ug/l	98	98	56-128	0	30
Vinyl Chloride	N.D.	1.	ug/l	104	107	56-123	3	30
Xylene (Total)	N.D.	0.8	ug/l	110	112	77-120	2	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Std. Water Master

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330917
Reported: 08/30/12 at 07:38 PM

Surrogate Quality Control

Batch number: T122421AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6765531	96	103	99	89
6765532	98	101	101	92
6765533	97	103	104	94
6765534	97	102	102	90
6765535	97	102	100	92
6765536	97	99	102	92
6765537	97	102	102	92
6765538	99	103	102	92
6765539	97	102	103	92
6765540	98	101	101	90
6765541	99	100	102	93
6765542	97	101	102	90
6765543	98	99	101	90
6765544	99	103	102	92
6765545	98	101	103	92
6765546	99	102	100	91
6765547	99	100	101	93
6765548	98	100	103	91
6765549	98	101	101	92
6765550	98	101	103	91
Blank	97	103	101	91
LCS	95	102	103	93
LCSD	96	99	102	92
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1330917 Sample # 6765531-50 **COC # 311243**

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek Zak Quote #:
Name of state where samples were collected: PA

(4) Matrix: Soil ☐ Sediment ☐ Water ☐ Potable ☐ NPDES ☐ Ground ☐ Surface ☐ Other:

(5) Analyses Requested — Preservation Codes: H

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Temperature of samples upon receipt (if requested)

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Soil	Water	Other:	Total # of Containers	Voc's 8260 Std. Water masters								Remarks
W-13	08/15/12	1020	✓			✓		3	✓								
W-17	08/15/12	1055	✓			✓		3	✓								
Fox MW-2	08/15/12	1105	✓			✓		3	✓								
Fox MW-5	08/15/12	1205	✓			✓		3	✓								
Fox MW-1	08/15/12	1300	✓			✓		3	✓								
W-10	08/15/12	1415	✓			✓		3	✓								
W-12	08/15/12	1440	✓			✓		3	✓								
W-14	08/15/12	1510	✓			✓		3	✓								
PW-8B	08/15/12	1550	✓			✓		3	✓								
RI-20D	08/15/12	1615	✓			✓		3	✓								

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	08/23/12	1430	[signature]	8/23/12	1620
B Wood	8/23/12	1910			
			[signature]	8/23	0900

EZ-EDD

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1330917 Sample # 6765531-50 **COC # 311244**

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek ZAK Quote #:
Name of state where samples were collected: PA

(5) Analyses Requested — Preservation Codes: H

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

(6) Temperature of samples upon receipt (if requested)

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix: Soil / Sediment	Matrix: Water (Potable / NPDES / Ground / Surface)	Other:	(4) Total # of Containers	Std. WATERS 8260 MASTERS								Remarks
PW-12	08/16/12	0930	✓			✓		3	✓								
PW-7B	08/16/12	0955	✓			✓		3	✓								
PW-13	08/16/12	1025	✓			✓		3	✓								
PW-7A	08/16/12	1100	✓			✓		3	✓								
PW-10B	08/16/12	1225	✓			✓		3	✓								
PW-14	08/16/12	1400	✓			✓		3	✓								
PW-2	08/16/12	1350	✓			✓		3	✓								
PW-3	08/16/12	1445	✓			✓		3	✓								
RW-2	08/16/12	1525	✓			✓		3	✓								
RW-3	08/16/12	1620	✓			✓		3	✓								

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Derek Zak	08/23/12	1430	B Wood	8/23/12	1620
B Wood	8/23/12	1910			
				8/23	1910

EZ-EDD

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 717-656-2300
The white copy should accompany samples to Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management
7044.01

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

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ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

August 31, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 08/23/2012
Group Number: 1330918
SDG: BAE56
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
RW-3DUP0816121620 Grab Water	6765551
RW-5D0817120855 Grab Water	6765552
RW-5S0817120850 Grab Water	6765553
RW-5I0817120945 Grab Water	6765554
RW-4D0817121050 Grab Water	6765555
RW-4S0817121100 Grab Water	6765556
RW-4I0817121205 Grab Water	6765557
W-30820121040 Grab Water	6765558
W-80820121130 Grab Water	6765559
W-40820121210 Grab Water	6765560
RI-19S0820121245 Grab Water	6765561
RI-19D0820121325 Grab Water	6765562
PW-6A0820121405 Grab Water	6765563
PW-6B0820121435 Grab Water	6765564
PW-50820121535 Grab Water	6765565
PW-40820121600 Grab Water	6765566
Recovery_Well0820121650 Grab Water	6765567
PW-10821121645 Grab Water	6765568
PW-9A0822120940 Grab Water	6765569
PW-9B0822121015 Grab Water	6765570

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Environmental Alliance, Inc. Attn: Myrna Klair

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

COPY TO
1 COPY TO Data Package Group

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-3DUP0816121620 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765551
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/16/2012 16:20 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-3D SDG#: BAE56-01FD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	1 J	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 07:41	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 07:41	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5D0817120855 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765552
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 08:55 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-5D SDG#: BAE56-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 08:05	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 08:05	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5S0817120850 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765553
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 08:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-5S SDG#: BAE56-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	80	2
10903	Acrylonitrile	107-13-1	N.D.	8	2
10903	Benzene	71-43-2	N.D.	1	2
10903	Bromodichloromethane	75-27-4	N.D.	2	2
10903	Bromoform	75-25-2	N.D.	2	2
10903	Bromomethane	74-83-9	N.D.	2	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2	2
10903	Chlorobenzene	108-90-7	N.D.	2	2
10903	Chloroethane	75-00-3	N.D.	2	2
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	2	2
10903	Chloromethane	74-87-3	N.D.	2	2
10903	Dibromochloromethane	124-48-1	N.D.	2	2
10903	1,1-Dichloroethane	75-34-3	N.D.	2	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2	2
10903	1,1-Dichloroethene	75-35-4	N.D.	2	2
10903	cis-1,2-Dichloroethene	156-59-2	98	2	2
10903	trans-1,2-Dichloroethene	156-60-5	2 J	2	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2	2
10903	Ethylbenzene	100-41-4	N.D.	2	2
10903	Methylene Chloride	75-09-2	N.D.	4	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2	2
10903	Tetrachloroethene	127-18-4	N.D.	2	2
10903	Toluene	108-88-3	N.D.	1	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.	2	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	2	2
10903	Trichloroethene	79-01-6	1,400	20	20
10903	Trichlorofluoromethane	75-69-4	N.D.	4	2
10903	Vinyl Chloride	75-01-4	N.D.	2	2
10903	Xylene (Total)	1330-20-7	N.D.	2	2

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 12:28	Christopher G Torres	2
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 12:52	Christopher G Torres	20

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5S0817120850 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765553
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 08:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-5S SDG#: BAE56-03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 12:28	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W122432AA	08/30/2012 12:52	Christopher G Torres	20

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-5I0817120945 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765554
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 09:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-5I SDG#: BAE56-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	0.9 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 08:28	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 08:28	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-4D0817121050 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765555
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 10:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-40 SDG#: BAE56-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	1 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 08:52	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 08:52	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-4S0817121100 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765556
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 11:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-45 SDG#: BAE56-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	10	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	84	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 09:16	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 09:16	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RW-4I0817121205 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765557
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/17/2012 12:05 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RW-4I SDG#: BAE56-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	W122432AA	08/30/2012 09:41	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122432AA	08/30/2012 09:41	Christopher G Torres	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-30820121040 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765558
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 10:40 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-3-- SDG#: BAE56-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	3 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	1 J	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	43	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122421AA	08/30/2012 01:35	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122421AA	08/30/2012 01:35	Kelly E Keller	1

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: W-80820121130 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765559
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 11:30 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-8-- SDG#: BAE56-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	11	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122421AA	08/30/2012 01:57	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122421AA	08/30/2012 01:57	Kelly E Keller	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: W-40820121210 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765560
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 12:10 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

W-4-- SDG#: BAE56-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	47	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	410	10	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122421AA	08/30/2012 02:19	Kelly E Keller	1
10903	PPL 8260 Water	SW-846 8260B	1	L122432AA	08/30/2012 21:16	Kelly E Keller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122421AA	08/30/2012 02:19	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L122432AA	08/30/2012 21:16	Kelly E Keller	10

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19S0820121245 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765561
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 12:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI19S SDG#: BAE56-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	1 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122432AA	08/30/2012 21:38	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122432AA	08/30/2012 21:38	Kelly E Keller	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RI-19D0820121325 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765562
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 13:25 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RI19D SDG#: BAE56-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122421AA	08/30/2012 03:02	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122421AA	08/30/2012 03:02	Kelly E Keller	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-6A0820121405 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765563
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 14:05 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-6A SDG#: BAE56-13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	2 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	10	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	15	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122421AA	08/30/2012 03:24	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122421AA	08/30/2012 03:24	Kelly E Keller	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-6B0820121435 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765564
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 14:35 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-6B SDG#: BAE56-14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	5 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122421AA	08/30/2012 03:46	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122421AA	08/30/2012 03:46	Kelly E Keller	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-50820121535 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765565
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 15:35 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW5-- SDG#: BAE56-15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	21	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 11:02	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 11:02	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-40820121600 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765566
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 16:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW4-- SDG#: BAE56-16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	21	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 11:24	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 11:24	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: Recovery_Well0820121650 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765567
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/20/2012 16:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RCVRY SDG#: BAE56-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	32	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 11:46	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 11:46	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-10821121645 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765568
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/21/2012 16:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW1-- SDG#: BAE56-18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	31	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 12:08	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 12:08	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-9A0822120940 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765569
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 09:40 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-9A SDG#: BAE56-19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	26	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	15	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 12:30	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 12:30	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: PW-9B0822121015 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765570
LLI Group # 1330918
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 10:15 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 15:22

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

PW-9B SDG#: BAE56-20*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	2 J	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	82	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	13	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	4 J	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	51	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 12:52	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 12:52	Linda C Pape	1

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330918
Reported: 08/31/12 at 03:22 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: L122421AA	Sample number(s): 6765558-6765560,6765562-6765564							
Acrolein	N.D.	40.	ug/l	90	84	51-140	7	30
Acrylonitrile	N.D.	4.	ug/l	95	96	49-153	1	30
Benzene	N.D.	0.5	ug/l	108	108	77-121	0	30
Bromodichloromethane	N.D.	1.	ug/l	105	103	73-120	2	30
Bromoform	N.D.	1.	ug/l	92	92	61-120	0	30
Bromomethane	N.D.	1.	ug/l	94	89	44-120	6	30
Carbon Tetrachloride	N.D.	1.	ug/l	100	98	67-122	2	30
Chlorobenzene	N.D.	0.8	ug/l	105	104	80-120	1	30
Chloroethane	N.D.	1.	ug/l	91	89	49-129	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	101	99	56-129	2	30
Chloroform	N.D.	0.8	ug/l	102	100	77-122	2	30
Chloromethane	N.D.	1.	ug/l	95	93	60-129	2	30
Dibromochloromethane	N.D.	1.	ug/l	104	103	72-120	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	110	108	79-120	2	30
1,2-Dichloroethane	N.D.	1.	ug/l	104	103	64-130	1	30
1,1-Dichloroethene	N.D.	0.8	ug/l	115	112	80-120	3	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	108	107	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	108	106	80-120	2	30
1,2-Dichloropropane	N.D.	1.	ug/l	107	105	80-120	2	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	113	111	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	103	103	79-120	0	30
Ethylbenzene	N.D.	0.8	ug/l	104	103	79-120	1	30
Methylene Chloride	N.D.	2.	ug/l	104	102	80-126	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	104	103	75-123	1	30
Tetrachloroethene	N.D.	0.8	ug/l	107	105	79-120	1	30
Toluene	N.D.	0.7	ug/l	107	106	79-120	1	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	107	105	70-121	2	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	102	101	80-120	1	30
Trichloroethene	N.D.	1.	ug/l	109	107	80-120	2	30
Trichlorofluoromethane	N.D.	2.	ug/l	110	106	56-128	3	30
Vinyl Chloride	N.D.	1.	ug/l	98	97	56-123	1	30
Xylene (Total)	N.D.	0.8	ug/l	102	102	77-120	0	30
Batch number: L122431AA	Sample number(s): 6765565-6765570							
Acrolein	N.D.	40.	ug/l	97	97	51-140	0	30
Acrylonitrile	N.D.	4.	ug/l	101	100	49-153	1	30
Benzene	N.D.	0.5	ug/l	111	109	77-121	1	30
Bromodichloromethane	N.D.	1.	ug/l	106	105	73-120	1	30
Bromoform	N.D.	1.	ug/l	93	93	61-120	1	30
Bromomethane	N.D.	1.	ug/l	91	91	44-120	0	30
Carbon Tetrachloride	N.D.	1.	ug/l	101	99	67-122	2	30
Chlorobenzene	N.D.	0.8	ug/l	106	106	80-120	1	30
Chloroethane	N.D.	1.	ug/l	94	92	49-129	3	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	102	101	56-129	1	30
Chloroform	N.D.	0.8	ug/l	104	104	77-122	0	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330918
Reported: 08/31/12 at 03:22 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloromethane	N.D.	1.	ug/l	95	98	60-129	3	30
Dibromochloromethane	N.D.	1.	ug/l	105	105	72-120	0	30
1,1-Dichloroethane	N.D.	1.	ug/l	112	111	79-120	1	30
1,2-Dichloroethane	N.D.	1.	ug/l	109	106	64-130	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	113	112	80-120	0	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	110	108	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	108	109	80-120	0	30
1,2-Dichloropropane	N.D.	1.	ug/l	109	108	80-120	2	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	114	113	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104	104	79-120	0	30
Ethylbenzene	N.D.	0.8	ug/l	105	104	79-120	1	30
Methylene Chloride	N.D.	2.	ug/l	108	106	80-126	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	108	107	75-123	1	30
Tetrachloroethene	N.D.	0.8	ug/l	106	107	79-120	0	30
Toluene	N.D.	0.7	ug/l	108	108	79-120	0	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	107	106	70-121	1	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103	103	80-120	0	30
Trichloroethene	N.D.	1.	ug/l	109	108	80-120	1	30
Trichlorofluoromethane	N.D.	2.	ug/l	107	105	56-128	2	30
Vinyl Chloride	N.D.	1.	ug/l	97	97	56-123	0	30
Xylene (Total)	N.D.	0.8	ug/l	104	104	77-120	0	30
Batch number: L122432AA	Sample number(s): 6765560-6765561							
Acrolein	N.D.	40.	ug/l	93		51-140		
Acrylonitrile	N.D.	4.	ug/l	100		49-153		
Benzene	N.D.	0.5	ug/l	108		77-121		
Bromodichloromethane	N.D.	1.	ug/l	102		73-120		
Bromoform	N.D.	1.	ug/l	87		61-120		
Bromomethane	N.D.	1.	ug/l	88		44-120		
Carbon Tetrachloride	N.D.	1.	ug/l	97		67-122		
Chlorobenzene	N.D.	0.8	ug/l	103		80-120		
Chloroethane	N.D.	1.	ug/l	88		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	95		56-129		
Chloroform	N.D.	0.8	ug/l	101		77-122		
Chloromethane	N.D.	1.	ug/l	91		60-129		
Dibromochloromethane	N.D.	1.	ug/l	100		72-120		
1,1-Dichloroethane	N.D.	1.	ug/l	109		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	105		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	112		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	105		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	106		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	111		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	100		79-120		
Ethylbenzene	N.D.	0.8	ug/l	103		79-120		
Methylene Chloride	N.D.	2.	ug/l	103		80-126		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	103		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	106		79-120		
Toluene	N.D.	0.7	ug/l	107		79-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	106		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	102		80-120		
Trichloroethene	N.D.	1.	ug/l	105		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	105		56-128		
Vinyl Chloride	N.D.	1.	ug/l	94		56-123		
Xylene (Total)	N.D.	0.8	ug/l	101		77-120		
Batch number: W122432AA	Sample number(s): 6765551-6765557							
Acrolein	N.D.	40.	ug/l	87	90	51-140	3	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330918
Reported: 08/31/12 at 03:22 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acrylonitrile	N.D.	4.	ug/l	68	68	49-153	0	30
Benzene	N.D.	0.5	ug/l	103	105	77-121	1	30
Bromodichloromethane	N.D.	1.	ug/l	76	79	73-120	4	30
Bromoform	N.D.	1.	ug/l	63	66	61-120	5	30
Bromomethane	N.D.	1.	ug/l	80	83	44-120	3	30
Carbon Tetrachloride	N.D.	1.	ug/l	84	87	67-122	3	30
Chlorobenzene	N.D.	0.8	ug/l	98	100	80-120	2	30
Chloroethane	N.D.	1.	ug/l	90	91	49-129	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	174*	183*	56-129	5	30
Chloroform	N.D.	0.8	ug/l	91	92	77-122	1	30
Chloromethane	N.D.	1.	ug/l	97	98	60-129	1	30
Dibromochloromethane	N.D.	1.	ug/l	79	79	72-120	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	97	103	79-120	5	30
1,2-Dichloroethane	N.D.	1.	ug/l	90	91	64-130	1	30
1,1-Dichloroethene	N.D.	0.8	ug/l	90	92	80-120	2	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95	97	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	95	97	80-120	3	30
1,2-Dichloropropane	N.D.	1.	ug/l	99	98	80-120	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	90	94	78-120	4	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	84	86	79-120	2	30
Ethylbenzene	N.D.	0.8	ug/l	89	95	79-120	7	30
Methylene Chloride	N.D.	2.	ug/l	98	100	80-126	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	91	89	75-123	3	30
Tetrachloroethene	N.D.	0.8	ug/l	98	101	79-120	3	30
Toluene	N.D.	0.7	ug/l	100	102	79-120	3	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	82	83	70-121	1	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	90	92	80-120	1	30
Trichloroethene	N.D.	1.	ug/l	93	92	80-120	1	30
Trichlorofluoromethane	N.D.	2.	ug/l	96	98	56-128	1	30
Vinyl Chloride	N.D.	1.	ug/l	106	106	56-123	0	30
Xylene (Total)	N.D.	0.8	ug/l	94	95	77-120	2	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L122432AA	Sample number(s): 6765560-6765561 UNSPK: P768324								
Acrolein	86	89	33-147	3	30				
Acrylonitrile	105	103	43-146	2	30				
Benzene	120	120	72-134	0	30				
Bromodichloromethane	111	110	78-125	1	30				
Bromoform	90	88	48-118	2	30				
Bromomethane	92	96	38-149	5	30				
Carbon Tetrachloride	114	114	72-135	1	30				
Chlorobenzene	115	114	87-124	1	30				
Chloroethane	96	98	51-145	3	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	111	111	81-134	0	30				
Chloromethane	95	104	67-154	8	30				
Dibromochloromethane	107	107	74-116	0	30				
1,1-Dichloroethane	123	122	84-129	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330918
Reported: 08/31/12 at 03:22 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,2-Dichloroethane	114	113	68-131	1	30				
1,1-Dichloroethene	131	132	85-142	1	30				
cis-1,2-Dichloroethene	123	120	85-125	1	30				
trans-1,2-Dichloroethene	121	119	87-126	1	30				
1,2-Dichloropropane	117	116	83-124	1	30				
cis-1,3-Dichloropropene	115	116	70-116	1	30				
trans-1,3-Dichloropropene	103	104	74-119	0	30				
Ethylbenzene	114	113	71-134	1	30				
Methylene Chloride	111	110	78-133	2	30				
1,1,2,2-Tetrachloroethane	108	107	72-128	1	30				
Tetrachloroethene	125	123	80-128	1	30				
Toluene	118	117	80-125	1	30				
1,1,1-Trichloroethane	124	123	74-131	0	30				
1,1,2-Trichloroethane	110	107	77-124	3	30				
Trichloroethene	125	122	88-133	1	30				
Trichlorofluoromethane	121	127	64-146	5	30				
Vinyl Chloride	105	110	66-133	5	30				
Xylene (Total)	112	111	79-125	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Std. Water Master
Batch number: L122421AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6765558	99	102	101	99
6765559	99	101	101	99
6765560	99	100	101	98
6765562	99	101	100	98
6765563	100	101	101	98
6765564	100	101	101	98
Blank	99	101	100	99
LCS	100	101	100	99
LCSD	100	100	101	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: L122431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6765565	99	101	100	98
6765566	99	102	101	98
6765567	100	100	100	98
6765568	99	101	100	98
6765569	100	100	100	97
6765570	100	101	100	97

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330918
Reported: 08/31/12 at 03:22 PM

Surrogate Quality Control

Blank	100	101	101	98
LCS	100	101	101	100
LCSD	99	99	101	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: L122432AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6765561	100	101	100	98
Blank	99	100	100	98
LCS	101	100	101	100
MS	99	100	101	100
MSD	100	101	102	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: W122432AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6765551	96	99	101	92
6765552	96	100	102	91
6765553	96	101	101	88
6765554	95	101	102	92
6765555	94	98	99	91
6765556	94	99	100	90
6765557	95	101	100	89
Blank	96	101	102	89
LCS	96	101	103	95
LCSD	96	100	104	96
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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Acct. # 7039 Group # 1330918 Sample # 6765551-70

COC # 311245

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek ZAY Quote #:
Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Sediment	Water (Potable / NPDES / Ground / Surface)	Other:	Total # of Containers	STD WATER MASTERS 8260								Remarks	Temperature of samples upon receipt (if requested)
RW-3DUP	08/17/12	1620	✓				✓		3	✓									
RW-5D	08/17/12	0855	✓				✓		3	✓									
RW-5S	08/17/12	0850	✓				✓		3	✓									
RW-5I	08/17/12	0945	✓				✓		3	✓									
RW-4D	08/17/12	1050	✓				✓		3	✓									
RW-4S	08/17/12	1100	✓				✓		3	✓									
RW-4I	08/17/12	1205	✓				✓		3	✓									
W-3	08/20/12	1040	✓				✓		3	✓									
W-8	08/20/12	1130	✓				✓		3	✓									
W-4	08/20/12	1210	✓				✓		3	✓									

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needneeded:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	08/23/12	1430	[signature]	8/23/12	1623
[signature]	8/23/12	1910			

EZ-EDD

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1330918 Sample # 6765551-70

COC # 311241

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek ZAY Quote #:
Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#: 12C501

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Sediment	Water (Potable, NPDES, Ground, Surface)	Other:	Total # of Containers	Analyses Requested / Preservation Codes: STD WATERS MASTER 8260 (H)	Remarks
RI-19S	08/20/12	1245	✓				✓		3	✓	
RI-19D	08/20/12	1325	✓				✓		3	✓	
PW-6A	08/20/12	1405	✓				✓		3	✓	
PW-6B	08/20/12	1435	✓				✓		3	✓	
PW-5	08/20/12	1535	✓				✓		3	✓	
PW-4	08/20/12	1600	✓				✓		3	✓	
Recovery Well	08/20/12	1650	✓				✓		3	✓	
PW-1	08/21/12	1645	✓				✓		3	✓	
PW-9A	08/22/12	0940	✓				✓		3	✓	
PW-9B	08/22/12	1015	✓				✓		3	✓	

Temperature of samples upon receipt (if requested)

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
Bottle Storage			[illegible]	08/15/12	0600
[illegible]	08/23/12	1430	[illegible]	8/23/12	1620
[illegible]	8/23/12	1910			

EZ-EDD

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

August 31, 2012

Project: 1863/ BAE - Lansdale, PA

Submittal Date: 08/23/2012
Group Number: 1330919
SDG: BAE57
PO Number: 1863
State of Sample Origin: PA

Client Sample Description	Lancaster Labs (LLI) #
A-30822121045 Grab Water	6765571
A-40822121105 Grab Water	6765572
A-50822121140 Grab Water	6765573
A-60822121200 Grab Water	6765574
A-70822121225 Grab Water	6765575
A-140822121300 Grab Water	6765576
A-130822121350 Grab Water	6765577
A-120822121420 Grab Water	6765578
A-110822121445 Grab Water	6765579
A-80822121510 Grab Water	6765580
A-11DUP0822121445 Grab Water	6765581
A-90822121535 Grab Water	6765582
FIELD_BLANK-010822120840 Grab Water	6765583
RINSATE_BLANK-010822120855 Grab Water	6765584
TRIP_BLANK080912 Water	6765585

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Environmental Alliance, Inc.	Attn: Myrna Klair
1 COPY TO	Data Package Group	

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-30822121045 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765571
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 10:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A3--- SDG#: BAE57-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 13:14	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 13:14	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-40822121105 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765572
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 11:05 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A4--- SDG#: BAE57-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 13:36	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 13:36	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-50822121140 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765573
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 11:40 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A5--- SDG#: BAE57-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 13:58	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 13:58	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-60822121200 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765574
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 12:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A6--- SDG#: BAE57-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	2 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 14:20	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 14:20	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-70822121225 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765575
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 12:25 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A7--- SDG#: BAE57-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	2 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 14:42	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 14:42	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-140822121300 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765576
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 13:00 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A14-- SDG#: BAE57-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	3 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	4 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 15:03	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 15:03	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-130822121350 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765577
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 13:50 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A13-- SDG#: BAE57-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	1 J	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	28	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 15:25	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 15:25	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-120822121420 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765578
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 14:20 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A12-- SDG#: BAE57-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	1 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	12	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 15:47	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 15:47	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-110822121445 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765579
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 14:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A11-- SDG#: BAE57-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	18	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 16:09	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 16:09	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-80822121510 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765580
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 15:10 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A8--- SDG#: BAE57-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 16:31	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 16:31	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-11DUP0822121445 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765581
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 14:45 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A11D- SDG#: BAE57-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	2 J	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	18	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 17:15	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 17:15	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: A-90822121535 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765582
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 15:35 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

A9--- SDG#: BAE57-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	4 J	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 16:53	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 16:53	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: FIELD_BLANK-010822120840 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765583
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 08:40 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FLD-1 SDG#: BAE57-13FB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Volatiles	**SW-846 8260B SIM**		**ug/l**	**ug/l**	
06008	Vinyl Chloride	75-01-4	N.D.	0.010	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

Sample Description: FIELD_BLANK-010822120840 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765583
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 08:40 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

FLD-1 SDG#: BAE57-13FB

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 09:57	Linda C Pape	1
06008	Waters by SIMS 8260B	SW-846 8260B SIM	1	E122371AA	08/24/2012 12:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E122371AA	08/24/2012 12:54	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L122431AA	08/30/2012 09:57	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: RINSATE_BLANK-010822120855 Grab Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765584
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/22/2012 08:55 by DZ

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

RIN-1 SDG#: BAE57-14RB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 10:19	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 10:19	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: TRIP_BLANK080912 Water
1863/ BAE-Lansdale, PA

LLI Sample # WW 6765585
LLI Group # 1330919
Account # 07039

Project Name: 1863/ BAE - Lansdale, PA

Collected: 08/09/2012

Submitted: 08/23/2012 19:10
Reported: 08/31/2012 13:33

Environmental Alliance, Inc.
5341 Limestone Rd
Wilmington DE 19808

TRP-1 SDG#: BAE57-15TB*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10903	Acrolein	107-02-8	N.D.	40	1
10903	Acrylonitrile	107-13-1	N.D.	4	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1

General Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 1/31/13

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	PPL 8260 Water	SW-846 8260B	1	L122431AA	08/30/2012 10:40	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L122431AA	08/30/2012 10:40	Linda C Pape	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330919
Reported: 08/31/12 at 01:33 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: E122371AA	Sample number(s): 6765583							
Vinyl Chloride	N.D.	0.010	ug/l	119	119	70-130	0	30
Batch number: L122431AA	Sample number(s): 6765571-6765585							
Acrolein	N.D.	40.	ug/l	97	97	51-140	0	30
Acrylonitrile	N.D.	4.	ug/l	101	100	49-153	1	30
Benzene	N.D.	0.5	ug/l	111	109	77-121	1	30
Bromodichloromethane	N.D.	1.	ug/l	106	105	73-120	1	30
Bromoform	N.D.	1.	ug/l	93	93	61-120	1	30
Bromomethane	N.D.	1.	ug/l	91	91	44-120	0	30
Carbon Tetrachloride	N.D.	1.	ug/l	101	99	67-122	2	30
Chlorobenzene	N.D.	0.8	ug/l	106	106	80-120	1	30
Chloroethane	N.D.	1.	ug/l	94	92	49-129	3	30
2-Chloroethyl Vinyl Ether	N.D.	2.	ug/l	102	101	56-129	1	30
Chloroform	N.D.	0.8	ug/l	104	104	77-122	0	30
Chloromethane	N.D.	1.	ug/l	95	98	60-129	3	30
Dibromochloromethane	N.D.	1.	ug/l	105	105	72-120	0	30
1,1-Dichloroethane	N.D.	1.	ug/l	112	111	79-120	1	30
1,2-Dichloroethane	N.D.	1.	ug/l	109	106	64-130	3	30
1,1-Dichloroethene	N.D.	0.8	ug/l	113	112	80-120	0	30
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	110	108	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	108	109	80-120	0	30
1,2-Dichloropropane	N.D.	1.	ug/l	109	108	80-120	2	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	114	113	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104	104	79-120	0	30
Ethylbenzene	N.D.	0.8	ug/l	105	104	79-120	1	30
Methylene Chloride	N.D.	2.	ug/l	108	106	80-126	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	108	107	75-123	1	30
Tetrachloroethene	N.D.	0.8	ug/l	106	107	79-120	0	30
Toluene	N.D.	0.7	ug/l	108	108	79-120	0	30
1,1,1-Trichloroethane	N.D.	0.8	ug/l	107	106	70-121	1	30
1,1,2-Trichloroethane	N.D.	0.8	ug/l	103	103	80-120	0	30
Trichloroethene	N.D.	1.	ug/l	109	108	80-120	1	30
Trichlorofluoromethane	N.D.	2.	ug/l	107	105	56-128	2	30
Vinyl Chloride	N.D.	1.	ug/l	97	97	56-123	0	30
Xylene (Total)	N.D.	0.8	ug/l	104	104	77-120	0	30

Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Environmental Alliance, Inc. Group Number: 1330919
Reported: 08/31/12 at 01:33 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Waters by SIMS 8260B
Batch number: E122371AA

	Dibromofluoromethane
6765583	86
Blank	88
LCS	94
LCSD	94
Limits:	80-120

Analysis Name: 8260 Std. Water Master
Batch number: L122431AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6765571	99	101	101	98
6765572	100	101	101	98
6765573	99	101	100	98
6765574	98	100	100	97
6765575	99	100	101	98
6765576	100	100	101	97
6765577	99	102	100	97
6765578	100	101	101	98
6765579	101	103	101	97
6765580	101	100	100	96
6765581	99	100	100	97
6765582	99	101	100	97
6765583	99	101	101	99
6765584	98	101	101	99
6765585	99	101	100	98
Blank	100	101	101	98
LCS	100	101	101	100
LCSD	99	99	101	100
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1330919 Sample # 6765571-85 **COC # 311246**

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek ZAK Quote #:
Name of state where samples were collected: PA

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (Potable / NPDES / Ground / Surface)	Other:	Total # of Containers	8260 Std. WATER masters (H)								Remarks	Temperature of samples upon receipt (if requested)
A-3	08/22/12	1045	✓			✓		3	✓									
A-4	08/22/12	1105	✓			✓		3	✓									
A-5	08/22/12	1140	✓			✓		3	✓									
A-6	08/22/12	1200	✓			✓		3	✓									
A-7	08/22/12	1225	✓			✓		3	✓									
A-14	08/22/12	1300	✓			✓		3	✓									
A-13	08/22/12	1350	✓			✓		3	✓									
A-12	08/22/12	1420	✓			✓		3	✓									
A-11	08/22/12	1445	✓			✓		3	✓									
A-8	08/22/12	1510	✓			✓		3	✓									

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	08/23/12	1430	B Wood	8/23/12	1920
B Wood	8/23/12	1910			
				8/23	1910

EZ-EDD

Environmental Analysis Request/Chain of Custody

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For Lancaster Laboratories use only

Acct. # 7039 Group # 1330919 Sample # 6765571-85

COC # 311247

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Environmental Alliance Acct. #:
Project Name/#: Former BAE/1863 PWSID #:
Project Manager: JASON EARLY P.O.#:
Sampler: Derek ZAK Quote #:
Name of state where samples were collected: PA

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) (3) (4) (5) (6)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Sediment	Water (Potable, NPDES, Ground, Surface)	Other:	Total # of Containers	8260 STD. WATERS MASTERS (H)	WATERS BY SIMS 8260B (H)							Remarks
A-11 DUP	08/22/12	1445	✓				✓		3	✓								Sampling Completed
A-9	08/22/12	1535	✓				✓		3	✓								
FIELD BLANK-01	08/22/12	0840	✓				✓		5	✓	✓							SIMS: Low level Vinyl chloride
RINSATE BLANK-01	08/22/12	0855	✓				✓		3	✓								
TRIP-BLANK	08/09/12		✓				✓		6	✓								TRIP BLANK: 3 coolers
																		2 per cooler

(7) **Turnaround Time Requested** (TAT) (please circle): Standard Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone E-mail
Phone #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (Validation/non-CLP) MA MCP CT RCP
Type III (Reduced non-CLP)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13

EDD Required? Yes No

Site-specific QC (MS/MSD/Dup)? Yes No
(if yes, indicate QC sample and submit triplicate sample volume)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	08/23/12	1430	[signature]	8/23/12	1430
[signature]	8/23/12	1910			

EZ-EDD

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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SiREM
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130 Research Lane, Ste 2
Guelph ON N1G 5G3
(519) 822-2265

Analytical Results

Client: Environmental Alliance
Client Project Number: 1863
Date Samples Received: August 24, 2012
Date Samples Analyzed: August 28, 2012

SiREM File Reference: S-2587

			Lactate	Acetate	Propionate	Formate	Butyrate	Pyruvate
Client Sample ID	**SiREM Reference ID**	**Client Sample Date**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**
W-16	12-0636	21-Aug-12	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
PW-11	12-0637	21-Aug-12	<0.39	<0.54	<0.31	0.62	<0.41	<0.69
PW-8A	12-0638	21-Aug-12	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
PW-10A	12-0639	21-Aug-12	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
W-16	12-0640	21-Aug-12	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
RW-1	12-0641	21-Aug-12	<0.39	<0.54	<0.31	<0.22	<0.41	<0.69
RI-20S	12-0642	21-Aug-12	1.2	0.62	<0.31	1.2	<0.41	<0.69
		QL	0.39	0.54	0.31	0.22	0.41	0.69

Comments:

Method: Ion Chromatography
QL = Quantitation limit
J = associated value is estimated; compound positively detected at concentration below the QL
< = undetected; associated value is QL

Analyst: Kela Battle

Results approved: Zell Pabst

Date: 30-Aug-12

130 Research Lane, Ste 2
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Leading Science · Lasting Solutions			Lactate	Acetate	Propionate	Formate	Butyrate	Pyruvate
Client Sample ID	**SiREM Reference ID**	**Client Sample Date**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**

Kela Bartle, B.Sc.
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