TETRA TECH EC, INC.

July 24, 2007

Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401
Attn: David Burke

Re: Former Defense Supply Center Philadelphia Facility
2006-2007 Intermediate and Deep Well Installation and Sampling Report

Dear Mr. Burke:

Enclosed is a copy of the 2006-2007 Intermediate and Deep Well Installation and Sampling Report for the Former Defense Supply Center Philadelphia (DSCP). This report summarizes the results of the well installation and groundwater sampling event that took place during 2006 and 2007.

If you have any questions, please feel free to contact me at (215) 702-4066 or Derek Pinkham at (215) 702-4070.

Sincerely,

Brian K. Blanchard, P.E.

cc: File
D. Pinkham, TtEC
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2006-2007 INTERMEDIATE AND DEEP WELL INSTALLATION AND SAMPLING REPORT FOR THE FORMER DEFENSE SUPPLY CENTER PHILADELPHIA SITE PHILADELPHIA, PENNSYLVANIA

Prepared for:

Department of Environmental Protection
Southeast Regional Office
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Norristown, PA 19401

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July 24, 2007

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1.0 INTRODUCTION

This work was completed in order to obtain additional information relating to the Potomac Raritan Magothy (PRM) aquifer, which is the deep aquifer underlying the site area. It is a supplement to the previous Intermediate and Deep Well Installation and Sampling Report for the former DSCP (June 30, 2005), Groundwater Sampling Report for the former DSCP (October, 2006), and ongoing groundwater investigation at the site. A total of seven borings were advanced to the top of the weathered bedrock and seven intermediate wells and seven deep wells were installed on the former Defense Supply Center Philadelphia (DSCP) site, the Philadelphia Housing Authority (PHA) property and the Steen property as shown on Figure 1. The intermediate and deep wells were installed at the site to obtain additional information on the lower PRM aquifer, determine groundwater flow direction in the deep aquifer, evaluate the groundwater quality in proximity to the DSCP site and to aid in the fate and transport analysis being completed at the site.

The drilling and well installation work was completed from November 2006 through February 2007. This work was completed by Tetra Tech EC, Inc. (TtEC), under Contract No. SP0600-00-D-5003 with the Defense Energy Support Center (DESC).

2.0 GEOLOGY

The DSCP site is located in the area of southern Philadelphia, Pennsylvania (known as South Philadelphia), near the confluence of the Delaware and the Schuylkill Rivers. The site is situated in the Coastal Plain Physiographic Province just east of the Fall Line, a northeast–southwest trending escarpment that divides the rolling hills of the Piedmont Physiographic Province from the Coastal Plain. The topography is relatively flat with low relief. Much of the underlying Coastal Plain sediments have been developed and low-lying areas raised to grade with fill materials (i.e., cinders, bricks and other debris). The study area is in an urban-industrial environment and most surfaces at the site are covered with asphalt, concrete, and buildings. The original pre-developed topography is highly altered. The area of the Coastal Plain underlying the study area consists of unconsolidated sediments of Cretaceous age or younger (Tertiary and Quaternary) that dip at an angle steeper than the local topography, to the southeast, from the Fall Line towards the Atlantic Ocean. The orientation of the coastal plain beds results in the most recent sediments lying near the Atlantic Ocean with successively older bands of sediments cropping out further inland. In the South Philadelphia area, ancestral channels of both the Delaware and Schuylkill Rivers have altered Coastal plain sediments. This has resulted in the removal of some coastal plain sediment and the deposition of more recent alluvium, resulting in a complex series of subsurface channels filled with more recent sediments.

The following provides descriptions of the geologic units in the South Philadelphia area:

Fill

The fill unit consists of modern fill type materials (i.e., brick, cinders etc.) and occupies formerly low-lying area. The fill unit generally lies on top of the Quaternary Alluvium. Within the study area, the thickness of the fill ranges from 0-40 feet, and is not laterally extensive. An increased thickness of this fill material is located in areas underlying the railroad tracks to the west of the DSCP property (Integrated Science and Technology, 1998). Increased thicknesses were also identified in borings drilled along an ancient stream channel along the southeastern side of the DSCP property (Malcolm Pirnie, 1997). Soil boring investigations revealed fill material ranging in thickness from 10–14 feet on the northwestern border of the DSCP property and the northwestern border of the Philadelphia Housing Authority just south of the Schuylkill Expressway.

Quaternary Alluvium (Qal)

This is the uppermost geologic unit in the study area. The unit is Holocene in age and consists of fine sand and silt and mud (Greenman et al, 1961). Regionally this unit can be up to 80 feet thick. Because the deposits are very fine grained and have very low permeabilities, the unit is not considered to be an important aquifer (Paulachok, 1991). However in places the unit may contain appreciable thicknesses (up to 3 feet) of interlayered sand and may show some localized perched water. This deposit at the site contains an extensive silt layer with variable amounts of clay (Malcolm Pirnie, 1997). This dense silt layer, which varies in thickness, is present in the vadose zone above the water table over the entire DSCP and Passyunk Homes area. The silt layer dips to the south and intersects the water table on the southeastern portion of DSCP and

Passyunk Homes. The silt layer has been extensively mapped and characterized as part of the Human Health Risk Assessment (Environ, 2002). In some areas the unit has been excavated for the emplacement of sewers and other utilities. The Qal overlies the Trenton Gravel.

Trenton Gravel (Qp)

The Trenton Gravels have been described in detail by Owens and Minard, 1979. They were able to divide the Trenton Gravels into two distinct units. The Trenton Gravels are gray to brown sands and gravel with minor amounts of silt and clay (Greenman et al., 1961). The Trenton Gravels are a variable unit and at the site consist of sand, silt and gravel mixtures, uniform sands and some dense silt. Generally the gravels are yellow to red brown in color and show varying degrees of iron staining. In some places the gravels are densely compacted or show some degree of cementation. The coarse gravels are of mixed lithologies and may consist of either clasts of red brown shales, sandstones, and metamorphic and igneous rocks of Piedmont Province origin (from the west or northwest) or re-worked, more rounded less varied lithologies of Coastal Plain origin (from the north or northeast). Regionally the Trenton Gravels average about 40 ft in thickness (Paulachok, 1991) and can be as thick as 80 feet. At the DSCP site the sand and gravel mixtures average about 20 feet in thickness and lie unconformably beneath the Quaternary Alluvium and atop the Bridgeton Formation when it is present. Most of the unconfined upper aquifer consists of the Trenton Gravels and water yields vary widely. Due to the similar lithologies of the units the, Trenton Gravels and the underlying Bridgeton Formation (of Tertiary Age and minimal thickness, see below) are grouped for simplicity as Qp.

The Bridgeton Formation is composed of gravel and very coarse to fine sand (Owens and Minard, 1979). The Bridgeton is not laterally extensive and usually is present on topographic highs as deposits less than 10 feet thick. Ages applied to the Bridgeton Formation have always been speculative, with some authors favoring a Quaternary Pleistocene age and others a Tertiary Miocene age. Because of the lateral discontinuity of the unit, its minimum thickness, and its connection to the upper Trenton Gravels, a Qp designation has been assigned for simplicity in mapping and hydrogeologic modeling purposes.

At the site the Bridgeton formation is either indistinguishable or very thin, and is not named outright in visual logs.

Upper Clay (Kru)

Mesozoic sediments deposited during the Cretaceous period underlie the units mentioned above. The uppermost of these units is the Upper Clay. Recent U.S. Geological Survey nomenclature includes both the Upper Clay and the underlying Old Bridge Sand as part of the Magothy Aquifer (Paulachok, 1991). Greenman and others, 1961, have called the Upper Clay, “the upper most member of the Raritan Formation”. The Upper Clay has been described as “light gray more or less sandy clays; dark gray carbonaceous; and massive, red, white and yellow clays” (Greenman et al, 1961). On site, the Upper Clay is not a continuous unit and when encountered, was located approximately 28 to 58 feet below grade and 1-6 feet thick. The presence of the Upper Clay may result in localized groundwater confining conditions in the underlying Old

Bridge Sand. Where the Upper Clay is missing, the Old Bridge sand and the Upper Pleistocene Trenton Gravels are connected hydraulically and form a single unconfined aquifer.

Upper Sand Unit or Old Bridge Sand (Kro)

The Upper Sand Unit or Old Bridge Sand represents the upper sand unit of the PRM aquifer system. It consists of coarse to medium sand and minor amounts of fine to very fine sand. (Greenman et al., 1961). Regionally, the upper sand is found in scour surfaces within the underlying middle clay. The unit is commonly about 35 feet thick. On site the unit ranges in thickness from 5 to 15 feet, but is extremely variable or may be missing due to Pleistocene erosion and channeling. When encountered, the sand observed on site is gray well-sorted sand that grades to fine gravels in some places. During drilling activities these sands tend to be "flowing sands".

Middle Clay (Krm)

The Middle Clay unit is composed of tough white and red clay with uniformly massive texture. (Greenman et al, 1961 and Sloto, 2003). In the Philadelphia area, the Middle Clay merges with the underlying lower clay and the two are indistinguishable. The Middle Clay, the underlying Sayerville Sand and the Lower Clay form one unit in the Philadelphia area. This clay has also been described as a red clay. This laterally extensive clay creates confined conditions in the underlying Farrington Sand, except to the west near the Schuylkill River where the clay is missing and the Farrington Sand is unconfined (Paulachok, 1991 and Greenman et al., 1961). In this area the upper unconfined aquifer is in direct hydraulic connection with the lower Farrington Sand aquifer (Paulachok, 1991, Greenman et al., 1961). At the DSCP site, the middle clay has been observed at depths of 45 to 57 feet. The base of the Middle Clay is marked by a bed of lignite (Sloto, 2003). However, where the Middle Clay lies directly on the Lower Clay, which is the case in many areas of Philadelphia, it is difficult to differentiate the two units (Sloto, 2003).

Middle Sand Unit or Sayerville Sand (Krs)

The Middle Sand Unit or Sayerville Sand is not an extensive deposit in the South Philadelphia region. When observed, it is typically located about 1.5 miles inland from the Delaware River in scour channels within the lower clay unit (Paulachok, 1991). The Sayerville is composed of light colored coarse to very fine sand with a few layers of light gray clay (Sloto, 2003).

It may be likely that the Middle Sand Unit is missing at the site and the Middle Clay sits atop the Lower Clay Unit (Greenman, et al., 1961). Our current geological framework model supports previous studies that suggest this unit is missing under the study area.

Lower Clay (Krl)

The lower clay is composed mainly of a tough continuous bed, which separates the underlying Farrington Sand from the Sayerville sand. The thickness of the lower clay ranges in thickness from 0-60 feet and is often indistinguishable from the middle clay. The clay member is composed mainly of tough brick red clay with some interstratified softer layers. (Greenman et

al., 1961) Few boring locations describe the lower clay at the DSCP site as this unit is commonly combined with the middle clay.

Lower Sand Unit Farrington Sand (Krf)

The Lower Sand Unit or Farrington Sand consists of fine gravel and coarse sand that grade upward into medium to fine sand and a few layers of white clay (Greenman et al., 1961). This unit lies directly atop bedrock or the weathered bedrock surface. This unit represented the principle source of groundwater in the Philadelphia area (Paulachok, 1991).

Wissahickon Formation

The basement rock underlying the site is known as the Wissahickon Formation. These pre-Cretaceous rocks consist of mica, hornblendes, schists and gneisses (Sloto, 1988). The upper portion of the formation (a few feet to tens of feet) is marked by soft, gray micaceous clay that becomes firmer and more granular with depth (Greenman, et all, 1961).

2.1 SITE- SPECIFIC HYDROGEOLOGY

The site is situated in the Coastal Plain Physiographic Plain Province, near the confluence of the Schuylkill and Delaware Rivers. This area of the Coastal Plain Physiographic Province is comprised of unconsolidated clastic sediments of Cretaceous or younger age. The topography of the site is relatively flat with land surface elevations ranging from approximately 20 to 25 feet above sea level.

As described above, the regional stratigraphy consists of alternating layers of sand, gravel, silt, and clay. The youngest deposits at the site are classified as the Quaternary alluvium consisting of fine sand, silt and clay. The alluvium at the site has been designated as silt with variable amounts of clay (Malcolm Pirnie, 1997). This silt layer, which varies in thickness, is present in the vadose zone above the water table over the entire DSCP and Passyunk Homes area. The water table in the northeastern and southeastern portion of the site intersects this silt layer (Malcolm Pirnie, 1997). Due to the presence of the silt layer and the large amounts of paving and buildings, local recharge from precipitation is inhibited.

The Trenton gravel underlies the Alluvium. The Trenton gravel is comprised of gray to brown, poorly sorted sand with considerable sub-angular to rounded gravel. The grain size distribution of the Trenton gravel is highly variable, and results in varying hydraulic conductivity and yields. The water table mainly occurs in the Trenton gravel, but may also occur within recent alluvium in places where former channels eroded the Trenton gravel (IST, 1998). Generally in the region Trenton gravel is underlain with the Upper Clay Unit, the top unit of PRM formation, an aquitard separating unconfined upper aquifer from confined aquifer within the PRM formation. In the study area, the Upper Clay is inconsistent and creates hydraulic connections, therefore the upper unconfined zone extends into the Upper Sand or Old Bridge Sand Unit. The yields in the Trenton gravel and Old Bridge Sand vary from 1 gallon per minute (gpm) to 1,370 gpm (Paulachok, 1991). A more statistical evaluation reveals that 90% of the wells yield in excess of 0.5 gpm while only 10% exceed 40 gpm (Paulachok, 1991). According to Paulachok, the

average hydraulic conductivity of the Trenton gravel is 142 feet per day (ft/day). The Trenton Formation is not used as a drinking water aquifer in the region because of water quality problems.

Based upon recent potentiometric data, the groundwater in the unconfined shallow zone flows from the northwest to southeast on the former DSCP Site (Tetra Tech FW, 2004). Locally, groundwater gradients may be altered by pumping of recovery wells on the Sunoco property and an apparent depression in the groundwater table near well S-44 on the Sunoco property. The depth to groundwater underlying the former DSCP and Passyunk Homes properties is approximately 16 to 23 feet below grade.

The PRM aquifer system underlies the shallow unconfined zone. The PRM consists of interbedded gravel, sand, silt and clay units; however, one or more of these units may be locally absent (Paulachok, 1991). The U.S. Environmental Protection Agency (USEPA) has designated the PRM aquifer system as a sole source aquifer in Camden and Gloucester Counties in New Jersey. While the PRM is no longer a significant groundwater source in the Philadelphia area, it is an important water supply source in New Jersey. The high concentrations of iron (as high as 429 milligrams/liter (mg/l), manganese (as high as 4 mg/l) and sulfate (as high as 1,720 mg/l) have made the groundwater unusable for most purposes under the Philadelphia region (Sloto, 2003). The pumping of the Lower Sand unit of the PRM in New Jersey has been known to cause the groundwater flow in the confined Lower Sand unit in Philadelphia to flow towards New Jersey (Low, Hippe and Yannacci, 2002). Based upon regional potentiometric data, groundwater flow in the PRM aquifer is anticipated to be from the northwest to southeast (Sloto, 2003). In New Jersey, the Upper aquifer is the least extensive unit of the PRM (Sloto, 2003).

In general, the Upper Sand Unit of the PRM aquifer is overlain with the Upper Clay Unit but there are areas where the Upper Clay Unit is absent and semi-confined conditions are present within the aquifer system (Paulachok, 1991). Due to the lack of a confining clay unit across the entire Site, the groundwater beneath the Site is considered a single groundwater system with vertical interconnectivities between sand layers present at certain locations across the site, such as the northwestern portion of the PHA property.

3.0 LOCATIONS OF SOIL BORINGS AND MONITORING WELLS

A total of seven direct push technology (DPT) soil borings were advanced across the site, one each at the intermediate/deep well locations. The soil boring designation identification corresponds to the appropriate deep well location. For example, soil boring DW-10 was advanced at the proposed location of well installation IW-10/DW-10. After completion of DPT soil borings, mud rotary drilling was performed for installation of intermediate/deep wells at the selected locations. Figure 1 depicts the locations of all the intermediate and deep wells installed at the site. A total of fourteen monitoring wells were installed during this effort; seven intermediate and seven deep wells (IW-07 through IW-13 and DW-07 through DW-13). Two intermediate/deep clusters were installed on former DSCP property (DW-12/IW-12 and DW-13/IW-13), two intermediate/deep clusters were installed on the former Passyunk Homes Area (DW-10/IW-10 and DW-11/IW-11), and three intermediate/deep clusters were installed on Steen property (DW-07/IW-07, DW-08/IW-08, and DW-09/IW-09).

Deep wells were installed at the site to obtain additional information on the lower PRM aquifer, determine groundwater flow direction in the deep aquifer and to evaluate the chemistry of the deep zone of the aquifer in proximity to the DSCP site. Intermediate wells were installed at the site in the Upper Sand Unit of the PRM Aquifer in order to obtain additional information on the relationship between the shallow unconfined aquifer and the Upper Sand Unit of the PRM aquifer, determine groundwater flow, evaluate the chemistry of this hydraulic unit and determine the relationship between the different layers.

4.0 DEEP SOIL BORING AND WELL INSTALLATION

The well installations were initiated using direct push technology (DPT). The DPT borings were installed using a macrocore sampler and were advanced until encountering clay (Upper or Middle clay unit), if present, or until refusal for that method was reached. The soils were continuously logged for lithology and screened with a photoionization detector (PID). The results of the DPT soil logs and the depths of clay units encountered at each location enabled pre-planning of the necessary lengths of the 6-inch inner diameter (ID) steel protective casing needed for installment of each intermediate/deep monitoring well. A mud rotary rig was used for drilling intermediate/deep monitoring wells after the advancement of the DPT borings. Once the depth to the clay was confirmed either from the soil logs or by split spoon sampling a ten-inch diameter wing tip was used to advance the soil boring into the Upper and Middle Clay, when present. When the Middle Clay was encountered, a 6-inch ID steel casing was then set 1 to 3 feet into the Middle Clay at each of the deep well locations. When the Upper Clay was encountered, a second boring was drilled to install the intermediate well. A 6-inch ID steel casing was installed into the Upper Clay. Due to the minor thickness of the Upper Clay, the steel casing was driven 0.5 to 1 foot into the Upper Clay. The steel casings were grouted in place and allowed to set for a minimum of 24 hours. After the minimum of 24 hours, the inside of the steel casing was flushed with clean potable water. At locations where clay was not present, a steel casing was not installed and at locations where only one clay unit was encountered, the steel casing was installed into the same clay unit for both the intermediate and deep wells.

Upon setting the steel casing in place, the borehole was advanced inside the steel casing using a six-inch diameter wing bit and mud rotary. With drilling advancement continuous split spoon samples were collected to the desired depth and confirmatory samples were obtained to the top of weathered bedrock. Upon reaching bedrock and determining the depths of the screened intervals, the borehole was backfilled to the desired depth to set the deep well. The intermediate well was then installed to the desired depth using the mud rotary rig in a separate borehole.

Logged lithological information from the DPT borings and split spoon soil samples was compiled for each deep well location implementing Unified Soil Classification System. Appendix A contains the soil boring logs.

Upon completion, the boring logs were compared to the existing geological information previously obtained for determination and correlation of Geologic Units at the Site. Generally, the Clay Units that were observed were encountered near the depth that was anticipated, although there were locations where no clay was encountered (DW-10 and DW-12) and where only Upper Clay Unit was encountered (DW-8, DW-9, and DW-11). When both the Upper and Middle Clay Units were encountered at a boring location, a well was installed below the Upper Clay (intermediate well) and one was installed below the Middle Clay Unit (deep well). This was done to evaluate the water quality between each of the clay units. However the deep soil borings revealed that none of the clay units continuously extend over the site and in places clay was not present. Where clay units were absent, the deep well was screened above the bedrock and the intermediate well was installed at a depth below which the clay layer is present in other boreholes at the site.

IW/DW-07 Location

The IW/DW-07 location is adjacent to the existing shallow monitoring well MW-62 on the northwestern portion of the Steen property. The Upper Clay Unit was encountered at 31 to 34 feet below grade and the Middle Clay Unit was encountered from 84 to 89 feet below grade. The Lower Clay Unit was not encountered in this boring. The soil boring for this location was advanced to a depth of 110 feet below grade. The weathered bedrock was encountered at a depth of approximately 104 feet below grade. Elevated PID readings were first noted at about 16 feet below grade. Soils with either petroleum odor and/or staining were encountered from approximately 19 to 28 feet below grade with the highest PID readings of 1,489 ppm. The remainder of the PID readings were not elevated at this location.

Since both the Upper and Middle Clay Units were encountered at this location, intermediate well IW-07 was cased into Upper Clay Unit and deep well DW-07 was cased into Middle Clay Unit. A steel casing was set at a depth of 33 feet below grade for IW-07 and the well was screened from 40 to 55 feet below grade. A steel casing was set a depth of 86.5 feet below grade for DW-07 and the well was screened from 93.5 to 103.5 feet below grade. Appendix A contains the well construction diagrams.

IW/DW-08 Location

The location of IW/DW-08 was moved approximately 25 feet north from the original location marked on the Work Plan (TtEC, 2006) due to a thick concrete covered surface. The closest existing well to IW/DW-08 location is MW-61. Only the Upper Clay Unit was encountered at this location, from 38.5 to 48 feet below grade. The DW-08 borehole was advanced to 124 feet below grade and weathered bedrock was encountered at about 120 feet below grade.

Elevated PID readings were first encountered at about 12 feet below grade. Soils with either petroleum odor and/or staining were encountered from approximately 12 to 37 feet below grade with PID readings over 2,000 ppm. The remainder of the PID readings were low to zero at this location.

Since only the Upper Clay Unit was encountered at this location, steel casings for both the intermediate IW-08 and deep DW-08 monitoring wells were installed into the Upper Clay Unit. A steel casing was set at a depth of 42 feet below grade for IW08 and the well was screened from 55 to 70 feet below grade. A steel casing was set at depth of 42.5 feet below grade for DW-08 and the well was screened from 100 to 115 feet below grade.

IW/DW-09 Location

The IW/DW-09 location is in the middle of the eastern edge of the Steen property adjacent to existing well PH-10. The Upper Clay Unit was encountered at 40.5 to 49 feet below grade. The Middle Clay Unit and the Lower Clay Unit were not present at this location.

Elevated PID readings were first encountered at approximately 15 feet below grade. Soils with either petroleum odor and/or staining were encountered from approximately 15 to 35 feet below

grade with PID readings of over 2,000 ppm. The remainder of the PID readings were low to zero at this location.

Since only the Upper Clay Unit was encountered at this location, steel casings for both the intermediate (IW-09) and deep (DW-09) monitoring wells were installed in the Upper Clay Unit. A steel casing was set at 43 feet below grade for IW-09 and the well was screened from 55 to 70 feet below grade. A steel casing was set at 42 feet below grade for DW-09 and the well was screened from 95 to 110 feet below grade.

IW/DW-10 Location

The IW/DW-10 location is adjacent to the existing shallow monitoring well MWS-1 on the northwestern corner of the PHA property. The location of IW/DW-10 is approximately 300 feet east from the IW/DW-09 and PH-10 locations. Neither the Upper, Middle, or Lower Clay Units were encountered at this location. The soil boring for this location was advanced to a depth of 136 feet below grade. The weathered bedrock was encountered at a depth of approximately 130 feet below grade. Elevated PID readings were first encountered at a depth of 14 feet below grade at this location. Soils with either petroleum odors and/or staining were observed at three different depths, the first and the shallowest zone approximately 20 to 40 feet below grade had the most extensive petroleum odor and highest PID readings (1,930 ppm); the second zone, 66 to 76 feet below grade, had a slight petroleum odor, PID readings are not available; the third zone, 88 to 124 feet below grade, also had a slight petroleum odor with PID readings ranging from 11.4 to 44.1 ppm.

Since clay was not present at this location, steel casings were not installed for IW-10 and DW-10 wells. Intermediate well IW-10 was screened from 43 to 58 feet below grade and deep well DW-10 was screened from 95 to 110 feet below grade.

IW/DW-11 Location

The IW/DW-11 location is adjacent to the existing shallow monitoring well PH-22 on the central western edge of the PHA property. IW/DW-11 is approximately 300 feet south from IW/DW-10 location. Only the Upper Clay Unit was encountered at this location, at a depth of 37 to 41 feet below grade. The soil boring for this location was advanced to a depth of 136 feet below grade. The weathered bedrock was encountered at a depth of approximately 130 feet below grade. Soils with elevated PID readings were encountered approximately from 8 to 70 feet below grade. The staining and highest PID readings ranging from 176 ppm to 1,930 ppm were from 16 to 40 feet below grade and had a petroleum odor or product. In addition, a slight petroleum odor was noted in soils from 48 to 54 feet below grade.

Steel casings for both IW-11 and DW-11 were set in the Upper Clay Unit. A steel casing was set at a depth of 40 feet below grade for IW-11 and the well was screened from 43 to 58 feet below grade. A steel casing was set a depth of 40 feet below grade for DW-11 and the well was screened from 95 to 110 feet below grade.

IW/DW-12 Location

The IW/DW-12 location was adjacent to the existing shallow monitoring well RW-3 on the south-southwestern edge of the former DSCP property. No clay layer was present at this location. The deep boring at this location was advanced to a total depth of 132 feet below grade. The top of the weathered bedrock was encountered at approximately 130 feet below grade. PID readings were noted through the most of the DW-12 borehole from 16 to 100 feet below grade. PID readings were not available below 100 feet below grade but staining and/or odor were not observed in this section. The most extensive odor, staining, and highest PID (>2,000 ppm) readings were noted from 20 to 40 feet below grade.

Since there was no clay encountered, both IW-12 and DW-12 were installed without setting a 6-inch steel casing. IW-12 was screened from 42 to 52 feet below grade and DW-12 was screened from 94 to 109 feet below the grade.

IW/DW-13 Location

The IW/DW-13 location was adjacent to the existing shallow monitoring well MW-11 on the eastern part of the former DSCP property. The Upper Clay Unit was encountered from 42 to 48 feet below grade. The Middle Clay Unit was encountered from 86 to 90.5 feet below grade at this location. The deep boring at this location was advanced to a total depth of 118 feet below grade. The top of the weathered bedrock was encountered at approximately 114 feet below grade. The most extensive odor, staining, and highest PID (>2,000 ppm) readings were noted from 16 to 42 feet below grade. Elevated PID readings were present throughout the boring and decreased with depth, but no petroleum odor was noted below 54 feet below grade.

The steel casing of IW-13 was set at 45 feet below grade within the Upper Clay unit and the well was screened from 60 to 75 feet below grade. The steel casing of DW-13 was set at 87.5 feet below grade within the Middle Clay Unit and the well was screened from 94 to 104 feet below grade.

4.1 WELL DEVELOPMENT

The monitoring wells were developed a minimum of 24 hours after the completion of each well. The purpose of well development was to stabilize and increase the permeability of the gravel pack around the well screen and to restore the permeability of the formation that may have been reduced by drilling operations. Each monitoring well installed as part of the field investigation was developed by using the two-pipe air lifting procedure. Air was injected through an inner pipe at high pressure to bubble out into the surrounding pipe. The bubbles reduced the weight of the water, causing the column of water and sediments to be lifted upward, allowing groundwater from the formation to flow into the well. The water generated from the development process was containerized in drums for off-site disposal.

4.2 WELL SURVEYING

The locations and elevations of each well were surveyed by James M. Stewart, Inc, a Pennsylvania licensed surveyor. The wells were surveyed relative to the horizontal locations

using North American Datum of 1983 (NAD 83) and the vertical elevations using the North American Vertical Datum of 1988 (NAVD 88). Table 1 provides the survey information for the intermediate and deep wells.

5.0 GROUNDWATER FLOW

The groundwater elevations used to prepare the groundwater elevation figure for the PRM were determined by subtracting the depth to water from the surveyed measuring point (inner well casing). Table 2 provides the groundwater measurements obtained for site monitoring wells in April 2007. Groundwater contour maps from the April 2007 gauging event for the shallow and deep zones are presented as Figures 2 and 3, respectively.

Based upon the review of the groundwater measurements obtained from the wells associated with the former DSCP site, the groundwater flow appears to flow from northwest to southeast. In both the shallow and deep zones, there appears to be a groundwater depression in the area of the Steen property. In eleven of the thirteen well locations, the hydraulic heads in the shallow zone are higher than the hydraulic heads in the deep zone, indicating a downward component of groundwater flow. The two areas which indicate an upward flow of groundwater are around the DW-04 and DW-07 locations on the southern edge of the CSX property and on the northern edge of the Steen property.

6.0 GROUNDWATER SAMPLING AND ANALYSIS

The groundwater sampling effort was conducted from April 3 through April 10, 2007. Prior to sampling, the monitoring wells were purged with a Grundfos Redioflo2 submersible pump equipped with a flow controller. Water quality parameters, including pH, conductivity, temperature, dissolved oxygen and oxidation-reduction potential, were measured every 5 minutes during the well purging using a Horiba U-22 with a flow through cell. The purging proceeded until water quality parameters stabilized. Stabilization was achieved when three consecutive readings varied by less than 10%. Table 3 provides a summary of the water quality parameters at the time the wells were sampled.

Groundwater samples were collected from 35 of the monitoring wells at the site. Shallow, intermediate and deep wells were sampled at 13 cluster well locations (MW-23A, IW-01, DW-01); (MWS-15, IW-02, DW-02); (PH-05, IW-03, DW-03); (CSX-MW-7, DW-04); (CSX-MW-5, IW-05, DW-05); (MW-2B, DW-06); (MW-62, IW-07, DW-07); (MW-61, IW-08, DW-08); (PH-10, IW-09, DW-09); (MWS-1, IW-10, DW-10); (PH-22, IW-11, DW-11); (IW-12, DW-12); and (IW-13, DW-13). Due to the presence of LNAPL in the well, groundwater samples were not collected from RW-3 and MW-11, which are the shallow wells associated with the IW/DW-12 and IW/DW-13 well clusters, respectively.

6.1 GROUNDWATER ANALYSIS

The groundwater samples were analyzed for volatile organic compounds (VOCs) via EPA method 8260B, and total and dissolved iron and manganese via EPA Method 6010B by Pace Analytical Services, Inc. of Export, PA. This section provides a detailed summary of the analytical results of the groundwater sampling effort for the newly installed wells along with their associated shallow well. A general discussion of the groundwater contamination follows this detailed summary. Benzene, toluene, ethylbenzene, xylenes, and methyl tertiary butyl ether (MTBE) were VOCs that were detected in well samples and are of compounds of concern. Tables 4 and 5 provide a summary of the analytical results and Figures 4 and 5 present the well locations with VOC and metal analytical results, respectively. Appendix B contains the laboratory analytical data.

MW-62, IW-07, DW-07

Benzene (570 micrograms per liter; µg/l) and MTBE (94 µg/l) were present in the sample collected from MW-62 at concentrations above the PADEP Act 2 Medium Specific Concentrations (MSC) for a Used Aquifer with total Dissolved Solids less than 2,500 mg/l (5 µg/l for benzene and 20 µg/l for MTBE). The groundwater analytical results have been compared to the Act 2 MSCs for reference purposes only. The cleanup standards that will be used for the groundwater beneath the site have not yet been established. Total xylenes present at levels below the MSC and estimated concentrations of toluene and ethylbenzene were also present in the sample. The groundwater samples from monitoring wells IW-07 and DW-07 indicated detectable concentrations of MTBE, the remainder of analyzed VOCs were below the reporting limits. MTBE was detected at a concentration of 73 µg/l, which is above the MSC for MTBE (20 µg/l), in the sample collected from IW-07 and 5.1 µg/l in the sample collected from DW-07.

Estimated concentrations of benzene were present in both samples and the sample collected from DW-07 contained an estimated concentration of total xylenes. The estimated concentrations are due to the laboratory result being above the instrument detection limit, but lower than the reporting limit for that compound.

The sample obtained from MW-62 contained concentrations of total iron (13 milligrams per liter; mg/l), dissolved iron (11 mg/l), total manganese (0.85 mg/l), and dissolved manganese (0.84 mg/l). In the sample from IW-07 all of iron (74 mg/l) and manganese (2.9 mg/l) were in dissolved metal form, with the dissolved concentrations being slightly higher than the total concentrations (74 mg/l for iron and 2.9 mg/l for manganese). Dissolved iron (9.8 mg/l) contributed 89% and dissolved manganese (4.2 mg/l) contributed 98% of total iron and manganese in the sample from DW-07.

MW-61, IW-08, DW-08

Benzene (6,100 µg/l) and ethylbenzene (1,100 µg/l) concentrations were found in the groundwater sampled from shallow well MW-61 at levels above the MSC. Toluene and xylenes were present in the sample at concentrations below the MSC. The only detectable and quantifiable organic compound at IW/DW-08 cluster location was MTBE (1,100 µg/l) in the groundwater sample from monitoring well IW-08. Benzene was identified at an estimated concentration in both samples and xylenes were present at an estimate concentration in the sample from DW-08.

The groundwater sample from MW-61 contained total iron (39 mg/l), dissolved iron (30 mg/l), total manganese (7.4 mg/l), and dissolved manganese (6.8 mg/l) concentrations. In the sample from IW-08 all of iron (38 mg/l) and manganese (5.8 mg/l) were in dissolved metal form with the dissolved concentrations being slightly higher than the total concentrations (38 mg/l for iron and 5.8 mg/l for manganese). Dissolved iron (1.6 mg/l) contributed 94% of total iron while manganese (4.2 mg/l) was all in dissolved form in sample from DW-08.

PH-10, IW-09, DW-09

Benzene (27,000 µg/l) and ethylbenzene (2,200 µg/l) were found in the groundwater sample from shallow well PH-10 at concentrations above the MSC. Toluene (700 µg/l) and xylenes (3,200 µg/l) were present in the sample at concentrations below the MSC. Estimated concentrations of benzene and MTBE were present in the sample collected from DW-09. Benzene (1,100 µg/l) and MTBE (60 µg/l) were present in the sample collected from IW-09 at concentrations above the MSC. Toluene, xylenes and an estimated concentration of ethylbenzene were also present in this sample.

In well sample PH-10 total iron was 35 mg/l and dissolved iron was 33 mg/l, total manganese was 0.39 mg/l and dissolved manganese was 0.36 mg/l. A similar result was found in the groundwater sample from IW-09; total iron was 34 mg/l and dissolved iron was 33 mg/l, while manganese (0.82 mg/l) was all in dissolved form. Total metal concentrations of iron (2.8 mg/l) and manganese (6.7 mg/l) in the groundwater sample from DW-09 were mainly present in dissolved form as 2.4 mg/l of iron and 6.5 mg/l of manganese respectively.

MWS-1, IW-10, DW-10

Concentrations of benzene (2,200 μg/l) and ethylbenzene (1,500 μg/l) were found in the groundwater sample from shallow well MWS-1 at levels above the MSC. Toluene and xylenes were present in the sample at concentrations below the MSC. The sample collected from IW-10 contained the highest concentrations of benzene detected during this sampling event (31,000 μg/l). Toluene, ethylbenzene and xylenes were also detected in this sample at concentrations below the MSC. The groundwater from the deep well DW-10 contained detectable concentrations of ethylbenzene (14 μg/l), xylenes (11 μg/l), and MTBE (21 μg/l), as well as an estimated concentration of benzene (4.2 μg/l). The result for MTBE was above the MSC for MTBE of 20 μg/l.

In well sample MWS-1 total iron was 56 mg/l and dissolved iron was 54 mg/l while manganese (1.1 mg/l) was all in dissolved form. Well sample IW-10 contained total iron (31 mg/l), dissolved iron (30 mg/l), total manganese (0.61 mg/l), and dissolved manganese (0.57 mg/l). The sample from deep well DW-10 contained concentrations of total iron (33 mg/l), dissolved iron (29 mg/l), total manganese (3.7 mg/l), and dissolved manganese (3.5 mg/l).

PH-22, IW-11, DW-11

Concentrations of benzene (760 μg/l) were found in the groundwater sample from shallow well PH-22 at levels above the MSC. Toluene, ethylbenzene, and xylenes were present in the sample at concentrations below the MSC. The groundwater sample from intermediate well IW-11 contained concentrations of benzene (23,000 μg/l) at levels above the MSC. Toluene, ethylbenzene, xylenes and an estimated concentration of MTBE were also present in this sample at levels below the MSC. The groundwater sample from DW-11 contained the following compounds at concentrations above the MSC: benzene (710 μg/l) and MTBE (29 μg/l). Toluene, ethylbenzene, and xylenes were present in the sample at concentrations below the MSC.

In well sample PH-22 total iron concentrations were 13 mg/l and dissolved iron was 12 mg/l, while manganese (0.16 mg/l) was all in dissolved form. The total iron concentration of the groundwater sample from IW-11 was 35 mg/l, the dissolved iron was 34 mg/l, total manganese 2.0 mg/l, and dissolved manganese was 1.9 mg/l. In the groundwater sampled from DW-11 all iron (49 mg/l) and manganese (1.4 mg/l) were in dissolved metal form, with the total iron concentrations being slightly less (48 mg/l).

IW-12, DW-12

Benzene (17,000 μg/l) and MTBE (200 μg/l) were detected in the sample from IW-12 at concentrations above the MSC. Toluene, ethylbenzene, and xylenes were present in the sample at concentrations below the MSC. Benzene (220 μg/l) was present in the sample collected from DW12 at a concentration above the MSC. Toluene, ethylbenzene, xylenes and an estimated concentration of MTBE were also present in this sample at levels below the MSC. Shallow well RW-3 was not sampled due to the presence of LNAPL in the well.

The total iron concentration of the groundwater sample from IW-12 was 4.6 mg/l, the dissolved iron was 3.0 mg/l, total manganese 0.84 mg/l, and dissolved manganese was 0.79 mg/l. In the sample from DW-12 all of iron (23 mg/l) and manganese (1.7 mg/l) were in dissolved metal form.

IW-13, DW-13

The only VOC at a concentration above MSC at this location was benzene (81 μg/l) in the sample collected from IW-13. MTBE (9.5 μg/l) and an estimated concentration of toluene were also present in this sample. The original and duplicate sample collected from DW-13 contained estimated concentrations of benzene, ethylbenzene, and MTBE. Shallow well MW-11 was not sampled due to the presence of LNAPL in the well.

The groundwater sample from well IW-13 contained concentrations of total iron (1.2 mg/l), dissolved iron (1.1 mg/l), total manganese (6.8 mg/l), and dissolved manganese (6.7 mg/l). The sample from deep well DW-13 contained concentrations of total iron (2.1 mg/l), dissolved iron (1.8 mg/l), total manganese (1.0 mg/l), and dissolved manganese (0.96 mg/l). The duplicate sample of DW-13 had similar results.

Summary of Groundwater Sampling Results

Benzene is the main component of the groundwater contamination detected in the vicinity of the Site in all three of the sampled zones. While not as prevalent, ethylbenzene and MTBE were detected at concentrations above the MSC in several of the wells. Ethylbenzene was only present at levels above the MSC in the samples collected from the shallow monitoring wells.

Within the shallow zone benzene was detected at quantifiable concentrations in seven of the thirteen groundwater sample locations. Detected benzene concentrations ranged from 380 μg/l at CSX-07 to 27,000 μg/l at PH-10. High concentrations are present in the central portion of the Steen property extending to the northwestern portion of the PHA property and elevated concentrations of benzene are also present in the central portion of the CSX property. A map showing the concentrations of benzene in shallow groundwater is presented as Figure 6. Note that as in previous sampling events, the wells containing LNAPL were not sampled, therefore groundwater benzene concentrations were not determined in areas where LNAPL is present on the groundwater surface.

MTBE was present at a concentration above the MSC in one of the shallow wells, MW-62 at a concentration of 94 μg/l. Ethylbenzene was present at a concentration above the MSC in samples collected from three groundwater wells, MWS-1 (1,500μg/l), MW-61 (1,100μg/l) and PH-10 (2,200μg/l).

In the intermediate zone wells, benzene and MTBE were the only compounds present at concentrations above the MSC. Quantifiable concentrations of benzene were present in seven of the eleven sampling locations. Quantifiable benzene concentrations ranged from 44 μg/l at IW-05 to 31,000 μg/l at IW-10. A map showing the concentrations of benzene in intermediate

groundwater zone is presented as Figure 7. MTBE was detected at concentrations above the MSC in six of the eleven sampling locations. Quantifiable MTBE concentrations ranged from 42 μg/l at IW-05 to 1,100 μg/l at IW-08. The highest concentration of MTBE detected during this sampling event in all zones was present in the sample collected from IW-08.

In the deep zone wells, benzene and MTBE were the only compounds present at concentrations above the MSC. Concentrations of benzene were present at concentrations above the MSC in four of the thirteen sampling locations. Quantifiable benzene concentrations ranged from 34 μg/l at DW-02 to 9,100 μg/l at DW-03. A map showing the concentrations of benzene in deep groundwater zone is presented as Figure 8. MTBE was detected at concentrations above the MSC in five of the thirteen sampling locations. Quantifiable MTBE concentrations ranged from 21 μg/l at DW-10 to 260 μg/l at DW-01.

A majority of the iron and manganese in the groundwater samples was found to be in dissolved form, with some exceptions for iron in two wells (MW-15S and PH-5). Total iron in the groundwater samples ranged from 0.23 mg/l to 26 mg/l and dissolved iron ranged from non-detect to 24 mg/l. Total manganese in the groundwater samples ranged from 0.018 mg/l to 1.9 mg/l and dissolved manganese ranged from 0.0093 mg/l to 1.9 mg/l.

Several wells contained concentrations of non-targeted and non-petroleum related compounds. Due to the transient nature of these detections, the results have not been included in the summary tables for this site, but are included as part of the laboratory data in Appendix B. The following are the well locations along with the VOC sampling results. IW-01 had concentrations of chloromethane of 10 μg/l, and methylene chloride of 45 μg/l, DW-06 had concentrations of tetrachloroethene of 15μg/l, IW-09 had concentrations of chloromethane of 22 μg/l, DW-11 had concentrations of trans 1,2-dichloroethene of 27 μg/l, IW-12 had concentrations of acetone of 44 μg/l, and vinyl chloride of 71 μg/l, DW-12 had concentrations of chloromethane of 5.9 μg/l, CSX-MW-07 had concentrations of acetone of 12 μg/l and chloromethane of 11 μg/l, MW-23A had concentrations of acetone of 14 μg/l, chloromethane of 14 μg/l, 1,1-dichloroethane of 7.1 μg/l and 1,1,2-trichloroethane of 11 μg/l, MW-61 had concentrations of chloromethane of 22 μg/l, and PH-10 had concentrations of chloromethane of 44 μg/l.

7.0 CONCLUSIONS

The lithological data collected during the installation of intermediate/deep wells showed that none of the PRM clay units identified at site are laterally consistent. This further complements indications from previous work at the site that there is communication between the shallow and deep aquifers in some areas.

After correlation of data it seems that the Upper Clay Unit is laterally consistent at the Steen property. From the western edge of the property the Upper Clay Unit extends south-eastward to the PHA property and pinches out east toward the DW-10 location where it is missing. At this point insufficient data were available for further correlation of the clay units at the site.

Based upon the groundwater contours created from water level measurements obtained from the deep wells, the groundwater flow in the Lower Sand aquifer is generally from the northwest to the southeast, with a groundwater depression located on the Steen property.

During the April 2007 sampling event, the highest concentrations of benzene were observed in both shallow and intermediate wells at Steen property and northwestern corner of the PHA property. Benzene exceeded the PADEP Act 2 Medium Specific Concentrations (MSC) of 5 µg/l for a Used Aquifer with Total Dissolved Solids concentration less than 2,500 mg/l in the following well samples: IW-02, DW-02, DW-03, IW-05, IW-09, IW-10, IW-11, DW-11, IW-12, DW-12, IW-13, CSX-05, CSX-07, MWS-1, MW-61, MW-62, PH-5 and PH-10.

During previous groundwater sampling efforts conducted in 2004 and 2005 MTBE was detected at several monitoring wells, including the intermediate/deep locations at western side of the Site. During the April 2007 sampling event, MTBE exceeded the MSC of 20 µg/l in the following well samples: IW-01, DW-01, DW-04, IW-05, DW-05, IW-07, IW-08, IW-09, DW-10, DW-11, IW-12, and MW-62. The highest concentration of MTBE was detected in the groundwater sampled from IW-08, located on the western portion of the Steen property. Results from the 2007 groundwater sampling revealed the same tendency of MTBE concentrations increasing with depth at existing intermediate/deep wells and in new installed wells. Other petroleum-related compounds were also detected in the deep aquifer, hydraulically upgradient from the former DSCP plume. These compounds include benzene, toluene, ethylbenzene and xylenes.

A further discussion of groundwater flow, contamination, and fate and transport analysis will be discussed in the DSCP Remedial Investigation Report to be submitted at a later date.

8.0 REFERENCES

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TABLES

Table 1
Former Defense Supply Center Philadelphia
Intermediate and Deep Well Survey Informatio

	Elevations (Feet above sea level)			Coordinates (US Survey Feet)	
Well ID	**Ground**	**Inner**	**Protective**	**Northing**	**Easting**
DW-07	20.22	19.88	20.25	222329.87	2686045.00
DW-08	21.50	21.27	21.59	222073.54	2686003.58
DW-09	21.45	21.11	21.50	222017.44	2686195.30
DW-10	23.20	22.99	23.36	221934.52	2686451.79
DW-11	22.51	22.35	22.69	221642.87	2686414.83
DW-12	21.72	21.60	21.84	222109.92	2687134.91
DW-13	19.58	19.19	19.67	222417.26	2688518.08
IW-07	20.27	19.91	20.30	222337.56	2686042.59
IW-08	21.54	21.44	21.64	222070.24	2686009.79
IW-09	21.48	21.16	21.56	222018.19	2686190.37
IW-13	19.51	19.25	19.60	222411.99	2688516.71
IW-10	23.06	22.78	23.16	221924.54	2686456.42
IW-11	22.57	22.18	22.55	221650.02	2686416.41
IW-12	21.72	21.62	21.89	222110.41	2687130.65

NOTES:
Survey performed on April 4, 2007 by James M. Stewart, Inc. of Philadelphia, Pennsylvania.
Horizontal Datum: Pennsylvania State Plane Coordinates NAD 83 - South Zone
Vertical Datum: NAVD 88
Monuments Used: Horizontal= NGS CORS (RED1, DNRC, SHK1)
Vertical= NGS N 276 (Elevation: 15.17')

Table 2
Groundwater Elevation Data
Defense Supply Center Philadelphia
April 2007

Well ID	REFERENCED ELEVATION (FEET ASL)	DEPTH TO LNAPL (FEET)	DEPTH TO WATER (FEET)	LNAPL THICKNESS (FEET)	LNAPL ELEVATION (FEET ASL)	LNAPL SPECIFIC GRAVITY	CORRECTED GROUNDWATER ELEVATION (FEET ASL)
CSX-MW1	50.30		41.96				8.34
CSX-MW2	45.66		44.62				1.04
CSX-MW3A	46.44		45.05				1.39
CSX-MW4	46.10		45.10				1.00
CSX-MW5	48.72		47.05				1.67
CSX-MW6	44.87	NM	NM				NM
CSX-MW7	46.13		45.47				0.66
CSX-MW8	45.96		45.03				0.93
CSX-MW9	50.10		48.76				1.34
MW-1	21.81		19.97				1.84
MW-1A	22.08		20.07				2.01
MW-2	20.83	19.44	19.71	0.27	1.39	0.763	1.33
MW-2B	21.34		18.86				2.48
MW-3A	20.95	19.34	20.31	0.97	1.61	0.770	1.39
MW-4A	22.21	20.88	21.19	0.31	1.33	0.760	1.26
MW-5	17.60	16.09	16.28	0.19	1.51	0.774	1.47
MW-6	20.17	18.26	20.46	2.20	1.91	0.765	1.39
MW-7	18.48		16.71				1.77
MW-9	19.07	15.37	15.63	0.26	3.70	0.779	3.64
MW-10	15.51	12.66	12.67	0.01	2.85	0.760	2.85
MW-11	16.21	14.15	14.72	0.57	2.06	0.780	1.93
MW-12	18.53		16.12				2.41
MW-13	19.37		16.98				2.39
MW-14	17.67	15.97	16.29	0.32	1.70	0.770	1.63
MW-15	22.58	21.01	21.20	0.19	1.57	0.779	1.53
MW-16	19.37		6.26				13.11
MW-17	21.92		19.55				2.37
MW-19	22.13		18.25				3.88
MW-20	24.67		20.27				4.40
MW-20D	24.81		23.32				1.49
MW-21A	21.21		18.02				3.19
MW-23A	21.87		20.35				1.52
MW-24	19.96		18.12				1.84
MW-27A	24.05		22.02				2.03
MW-28	18.81	17.28	18.25	0.97	1.53	0.760	1.30
MW-29	19.01	17.60	17.92	0.32	1.41	0.760	1.33
MW-30	19.64	18.08	18.71	0.63	1.56	0.765	1.41
MW-31	18.50		16.35				2.15
MW-32	19.28	17.10	17.20	0.10	2.18	0.775	2.16
MW-34	16.81	14.08	14.15	0.07	2.73	0.780	2.71
MW-35A	17.14	15.59	15.82	0.23	1.55	0.760	1.49
MW-36	19.24	17.45	17.79	0.34	1.79	0.760	1.71
MW-44A	20.61		18.44				2.17
MW-45A	23.56		19.43				4.13
MW-53	18.02		15.46				2.56
MW-54	18.96		16.49				2.47
MW-59	15.80	13.29	13.61	0.32	2.51	0.770	2.44
RW-1A	17.83	16.54	17.03	0.49	1.29	0.775	1.18
RW-2	19.11	17.75	18.44	0.69	1.36	0.760	1.19
RW-3	18.35	17.06	17.78	0.72	1.29	0.760	1.12
RW-4	17.51	16.09	16.23	0.14	1.42	0.770	1.39
RW-5	17.01	15.78	15.79	0.01	1.23	0.750	1.23
RW-6	16.64	15.26	15.81	0.55	1.38	0.780	1.26
RW-7	16.97		15.71				1.26
RW-8	17.30	15.67	15.69	0.02	1.63	0.780	1.63
RW-9	17.00	15.01	16.22	1.21	1.99	0.780	1.72
RW-10	16.74	14.98	15.15	0.17	1.76	0.780	1.72
RW-11	19.28	17.62	17.81	0.19	1.66	0.780	1.62
MW-33	17.49	16.15	17.38	1.23	1.34	0.760	1.04
MW-48	13.83		12.03				1.80
MW-49	16.14		14.52				1.62
MW-50	15.68		14.17				1.51

NOTES:
NM - Not Measured ASL - Above Sea Level

Table 2
Groundwater Elevation Data
Defense Supply Center Philadelphia
April 2007

Well ID	REFERENCED ELEVATION (FEET ASL)	DEPTH TO LNAPL (FEET)	DEPTH TO WATER (FEET)	LNAPL THICKNESS (FEET)	LNAPL ELEVATION (FEET ASL)	LNAPL SPECIFIC GRAVITY	CORRECTED GROUNDWATER ELEVATION (FEET ASL)
PH-1	22.39	21.26	21.36	0.10	1.13	0.760	1.11
PH-2	20.30	19.08	19.09	0.01	1.22	0.760	1.22
PH-3	21.23	19.41	19.99	0.58	1.82	0.760	1.68
PH-4	17.27		15.53				1.74
PH-5	14.03		12.69				1.34
PH-6	21.03		19.34				1.69
PH-7	13.51		10.56				2.95
PH-8	15.02		12.99				2.03
PH-13	17.42	16.19	16.23	0.04	1.23	0.760	1.22
PH-14	18.21	16.86	17.11	0.25	1.35	0.760	1.29
PH-16	17.56	16.05	16.34	0.29	1.51	0.760	1.44
PH-17	18.25	15.58	16.13	0.55	2.67	0.760	2.54
PH-18	19.47		18.04				1.43
PH-19	20.15	18.49	19.64	1.15	1.66	0.760	1.38
PH-20	20.59	19.06	20.32	1.26	1.53	0.760	1.23
PH-21	23.95		22.72				1.23
PH-22	22.14		21.05				1.09
PH-23	19.03		17.49				1.54
PH-24	18.10		16.48				1.62
MWS-1	23.01		21.92				1.09
MWS-2A	17.75	16.05	16.16	0.11	1.70	0.760	1.67
MWS-3	12.85		11.28				1.57
MWS-4	19.79		17.93				1.86
MWS-5	14.19		11.82				2.37
MWS-10	14.98		12.61				2.37
MWS-11	14.64		13.07				1.57
MWS-13	21.74		20.38				1.36
MWS-14	18.82		13.93				4.89
MWS-15	16.83		15.16				1.67
MWS-18	16.26		14.81				1.45
MW-37	21.61		12.45				9.16
MW-38	25.24		24.10				1.14
MW-39	14.33	12.41	12.59	0.18	1.92	0.760	1.88
MW-40	14.16		12.61				1.55
MW-41	15.53		13.93				1.60
MW-42	20.01		18.81				1.20
MW-43	21.95		20.92				1.03
MW-46	18.28		16.57				1.71
MW-47	18.23		16.67				1.56
MW-51	15.78		14.27				1.51
MW-52	16.69		15.13				1.56
MW-55	23.22		22.02				1.20
MW-56	19.28		17.57				1.71
MW-57	18.60		16.74				1.86
MW-58	21.59		20.12				1.47
MW-60	15.38		13.65				1.73
RW-A	18.94	17.81	18.31	0.50	1.13	0.760	1.01
RW-B	20.52	19.09	19.51	0.42	1.43	0.760	1.33
RW-C	20.73	19.20	20.40	1.20	1.53	0.760	1.24
RW-CA	19.53	18.24	18.28	0.04	1.29	0.760	1.28
RW-D	18.84		17.71				1.13
RW-E	16.83	15.55	16.12	0.57	1.28	0.760	1.14
RW-F	16.81		14.80				2.01
RW-G	16.00	14.92	14.93	0.01	1.08	0.760	1.08
RW-H	18.02		16.64				1.38
RW-I	17.39	16.39	16.40	0.01	1.00	0.760	1.00
RW-M	15.81		13.98				1.83
RW-N	14.48		12.61				1.87
RW-O	16.41		14.95				1.46
RW-P	15.13		13.62				1.51
RW-Q	14.67		12.93				1.74
RW-S	15.96		14.18				1.78
RW-T	17.88	16.66	16.75	0.09	1.22	0.760	1.20
RW-U	18.20	16.66	17.16	0.50	1.54	0.760	1.42
RW-V	18.72	17.49	17.52	0.03	1.23	0.760	1.22
RW-W	22.25		19.91				2.34

NOTES:
NM - Not Measured
ASL - Above Sea Level

Table 2
Groundwater Elevation Data
Defense Supply Center Philadelphia
April 2007

Well ID	REFERENCED ELEVATION (FEET ASL)	DEPTH TO LNAPL (FEET)	DEPTH TO WATER (FEET)	LNAPL THICKNESS (FEET)	LNAPL ELEVATION (FEET ASL)	LNAPL SPECIFIC GRAVITY	CORRECTED GROUNDWATER ELEVATION (FEET ASL)
PZ-4	21.05	19.40	19.45	0.05	1.65	0.760	1.64
PZ-6	20.56	19.27	19.28	0.01	1.29	0.760	1.29
PH-10	20.80		20.27				0.53
PH-11	20.63	20.86	20.88	0.02	-0.23	0.760	-0.23
PH-12	20.48		19.33				1.15
MW-61	20.74		19.17				1.57
MW-62	19.59		18.07				1.52
MW-63	20.65		12.46				8.19
MW-64	21.79		22.06				-0.27
DW01	21.95		20.70				1.25
DW02	17.18		16.73				0.45
DW03	12.26		11.89				0.37
DW04	42.59		41.56				1.03
DW05	48.61		47.31				1.30
DW06	21.67		20.44				1.23
DW07	19.88		18.07				1.81
DW08	21.27		20.34				0.93
DW09	21.11		21.00				0.11
DW10	22.99		21.91				1.08
DW11	22.35		21.40				0.95
DW12	21.60		21.31				0.29
DW13	19.19		17.72				1.47
IW01	21.71		20.23				1.48
IW02	17.08		15.42				1.66
IW03	12.19		10.82				1.37
IW05	48.62		47.19				1.43
IW07	19.91		18.91				1.00
IW08	21.44		20.70				0.74
IW09	21.16		21.06				0.10
IW10	22.78		21.70				1.08
IW11	22.18		21.17				1.01
IW12	21.62		20.37				1.25
IW13	19.25		17.80				1.45

NOTES:
NM - Not Measured
ASL - Above Sea Level

Table 3
Groundwater Water Quality Results
Defense Supply Center Philadelphia
April 2007

WELL ID	p.H. (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/l)	Temperature (°C)	ORP (mV)
CSX-MW5	6.90	1.620	18.4	0.00	16.40	-232
CSX-MW7	6.80	1.670	42.1	1.38	16.70	-261
DW01	6.23	0.721	0.3	0.00	17.30	-113
DW02	6.34	0.522	94.5	0.00	16.80	-72
DW03	6.75	0.644	29.9	0.00	15.90	-126
DW04	6.39	0.714	17.9	0.00	17.30	-199
DW05	6.05	0.672	5.7	0.00	17.50	-216
DW06	6.12	0.793	18.9	0.00	17.80	55
DW07	6.14	0.847	60.5	0.00	15.70	-25
DW08	6.06	0.803	61.3	0.00	15.70	30
DW09	6.06	0.737	56.9	0.00	16.60	21
DW10	6.52	0.766	0.0	0.00	16.40	-113
DW11	7.15	0.785	36.2	0.00	16.40	-195
DW12	7.25	0.587	95.9	0.00	18.50	-214
DW13	7.21	0.765	2.3	0.00	18.70	-162
IW01	6.91	0.840	9.4	0.00	18.00	-177
IW02	7.67	0.599	26.1	0.00	16.80	-205
IW03	5.76	0.419	60.5	0.00	16.50	138
IW05	6.59	0.841	5.6	0.00	16.80	-247
IW07	6.48	1.340	0.0	0.00	15.10	-132
IW08	6.57	1.290	0.0	0.00	15.90	-120
IW09	6.83	0.767	0.0	0.00	16.90	-148
IW10	7.07	0.575	0.0	0.00	17.00	-213
IW11	7.07	0.576	141.0	0.00	16.60	-188
IW12	8.75	1.730	58.3	0.00	19.30	-453
IW13	6.58	0.852	0.0	0.00	18.40	-38
MW-20	6.76	1.980	28.0	0.00	18.80	-28
MW-20D	6.03	0.635	4.7	0.00	18.50	-65
MW-23A	6.89	0.487	246.0	0.00	20.50	-175
MW-2B	6.60	0.911	54.0	0.00	18.50	-136
MW-61	6.54	0.788	8.9	0.00	17.60	-137
MW-62	6.49	0.526	0.0	0.00	15.50	-100
MWS-1	6.52	0.526	0.5	0.00	16.10	-153
MWS-15	6.44	0.133	51.9	3.96	12.80	90
PH-5	5.86	0.370	6.8	3.08	15.20	180
PH-10	6.63	0.539	153.0	0.00	16.40	-156
PH-22	6.55	0.255	20.9	0.00	15.70	-117

NOTES:

mV - millivolts
mg/l - milligrams per liter
mS/cm - millisiemens per centimeter
DO - Dissolved Oxygen
NTU - nephelometric turbidity units
ORP - Oxidation/Reduction Potential
SU - Standard Units
°C - Degrees Celsius

Table 4
Groundwater Volatile Organic Compound Analytical Results
Defense Supply Center Philadelphia
April 2007

WELL ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
IW01	0.92 J	1.7 J	2.7 J	23	**88**
DW01	ND	ND	ND	ND	**260**
IW02	**260**	13	9.8	81.1	0.82 J
DW02	**34**	ND	ND	ND	0.58 J
IW03	ND	ND	ND	ND	ND
*IW03	ND	ND	ND	ND	ND
DW03	**9,100**	ND	ND	ND	ND
DW04	ND	ND	ND	ND	**24**
IW05	**44**	ND	ND	ND	**42**
DW05	ND	ND	ND	ND	**160**
DW06	ND	ND	ND	ND	0.76 J
IW07	1.1 J	ND	ND	ND	**73**
DW07	0.91 J	ND	ND	2.8 J	5.1
IW08	1.2 J	ND	ND	ND	**1,100**
DW08	1.6 J	ND	ND	0.85 J	1.0 J
IW09	**1,100**	22	4.0 J	41	**60**
DW09	0.63 J	ND	ND	ND	0.9 J
IW10	**31,000**	150	58	220	ND
DW10	4.2 J	ND	14	11	**21**
IW11	**23,000**	220	200	1,200	2.1 J
DW11	**710**	66	84	110	**29**
IW12	**17,000**	390 J	640	1,240	**200**
DW12	**220**	38	28	79	2.1 J
IW13	**81**	1.5 J	ND	ND	9.5
DW13	0.7 J	ND	1.4 J	ND	0.62 J
*DW13	0.68 J	ND	1.1 J	ND	0.64 J
CSX-05	**2,400**	ND	ND	ND	ND
CSX-07	**380**	9.3	12	21	ND
MWS-1	**2,200**	270	**1,500**	2,500	ND
MW-2B	ND	ND	ND	ND	0.69 J
MWS-15	ND	ND	ND	ND	ND
MW-20	0.08 J	0.04 J	0.03 J	ND	0.24 J
MW-20D	3.3 J	ND	ND	ND	11
MW23A	ND	2.6 J	14	18	1.5 J
MW-61	**6,100**	230	**1,100**	1,400	ND
MW-62	**570**	0.83 J	2.0 J	7.9	**94**
PH-5	ND	ND	ND	ND	ND
PH-10	**27,000**	700	**2,200**	3,200	ND
PH-22	**760**	61	260	340	ND
MSC	**5**	**1,000**	**700**	**10,000**	**20**

NOTES:

All results are in µg/L

Asterisk (*) denotes duplicate sample

J values indicate estimated concentrations.

Bold values indicate concentrations above MSC.

MSC - Median Specific Concentration

MTBE - Methyl Tertiary Butyl Ether

ND - Not Detected

Table 5
Groundwater Inorganic Compound Analytical Results
Defense Supply Center Philadelphia
April 2007

WELL ID	Dissolved Iron	Dissolved Manganese	Total Iron	Total Manganese
IW01	**25**	**4.5**	26	4.6
DW01	**10**	**6.9**	11	7.0
IW02	**19**	**0.93**	21	1.1
DW02	**7.5**	**1.2**	9.9	1.3
IW03	0.13	**0.24**	0.22	0.23
*IW03	0.12	**0.24**	0.20	0.24
DW03	**18**	**0.96**	18	0.96
DW04	**32**	**7.1**	33	7.4
IW05	**3.3**	**3.6**	3.4	3.6
DW05	**6.3**	**7.5**	6.0	7.5
DW06	0.069	**3.1**	4.4	3.1
IW07	**74**	**2.9**	73	2.8
DW07	**9.8**	**4.2**	11	4.3
IW08	**38**	**5.8**	37	5.7
DW08	**1.6**	**5.4**	1.7	5.4
IW09	**33**	**0.82**	34	0.82
DW09	**2.4**	**6.5**	2.8	6.7
IW10	**30**	**0.57**	31	0.61
DW10	**29**	**3.5**	33	3.7
IW11	**34**	**1.9**	35	2.0
DW11	**49**	**1.4**	48	1.4
IW12	**3.0**	**0.79**	4.6	0.84
DW12	**23**	**1.7**	23	1.7
IW13	**1.1**	**6.7**	1.2	6.8
DW13	**1.8**	**0.96**	2.1	1.0
*DW13	**1.9**	**0.96**	1.9	0.95
CSX-05	**24**	**0.43**	26	0.46
CSX-07	**9.8**	**0.56**	12	0.56
MWS-1	**54**	**1.1**	56	1.1
MW-2B	**11**	**0.81**	19	0.93
MW-15S	0.027 J	0.0093	1.2	0.018
MW-20	**0.66**	**0.79**	1.1	0.81
MW-20D	**40**	**6.5**	40	6.4
MW-23A	**21**	**1.8**	35	1.9
MW-61	**30**	**6.8**	39	7.4
MW-62	**11**	**0.84**	13	0.85
PH-5	0.011 J	0.015	0.23	0.060
PH-10	**33**	**0.36**	35	0.39
PH-22	**12**	**0.16**	13	0.16
SMCL	**0.30**	**0.05**	**NA**	**NA**

NOTES:
All results are in mg/l - parts per million
* denotes duplicate sample
Bold values indicate concentrations above SMCLs.
SMCL - Secondary Maximum Contaminant Level
NA - Not Applicable (SMCLs are for dissolved concentrations only)

FIGURES

Legend:

- - - - - - Sewer Line

○ Manhole

● Indicates Manholes Where PID & LEL Measurements Are Taken

◈ Monitoring Well

○ Recovery Well

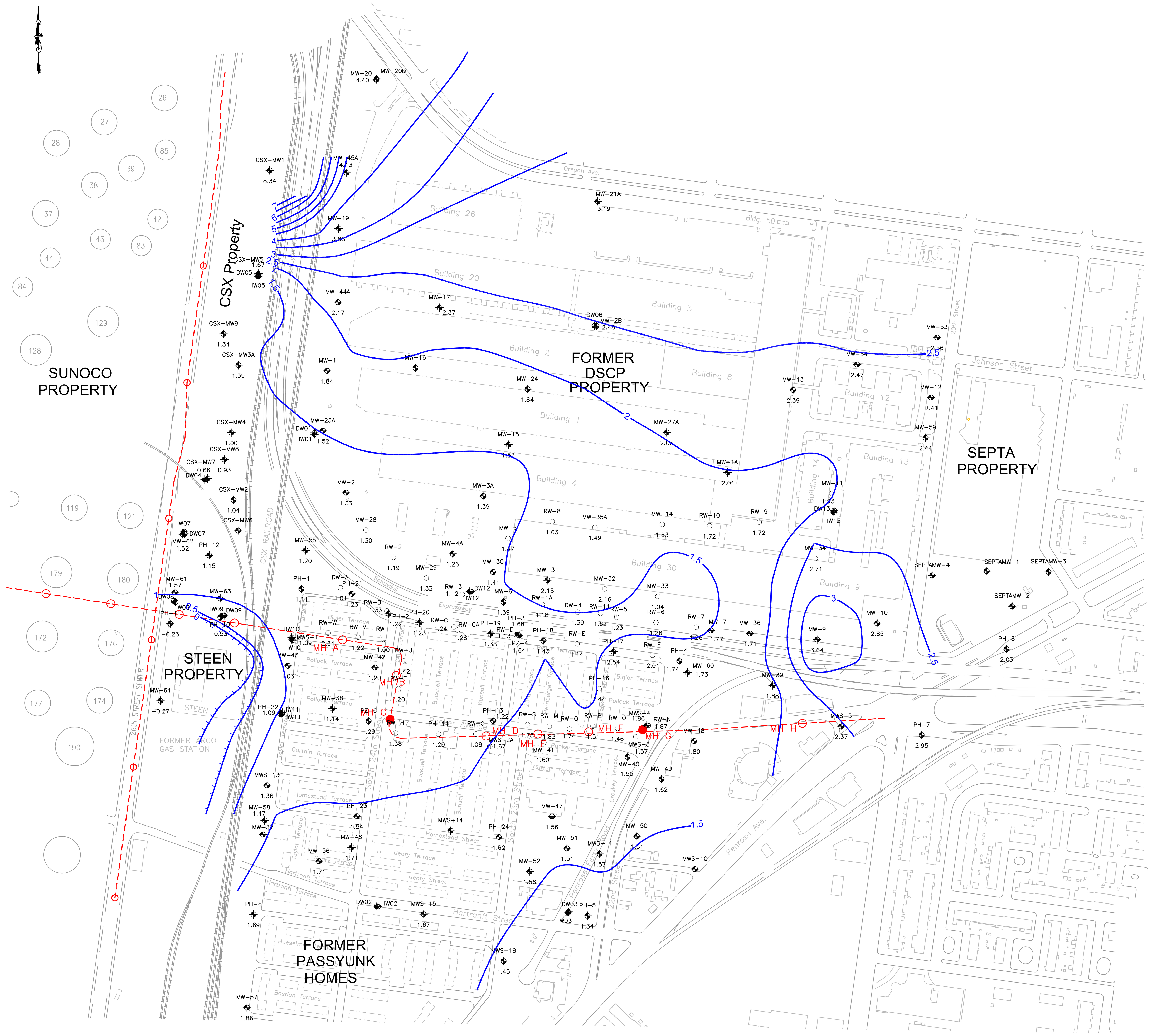
0 200 FEET

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 1
Site Map

TETRA TECH EC, INC.

H:\GISPROJ\DSCP_Key\Site_Map 04-02-2007.dwg, 6/8/2007 11:57:20 AM



Legend:

- 2.5 — Groundwater Elevation Contour (Feet MSL)
- Sewer Line
- Manhole
- Indicates Manholes Where PID & LEL Measurements Are Taken
- Monitoring Well
- Recovery Well

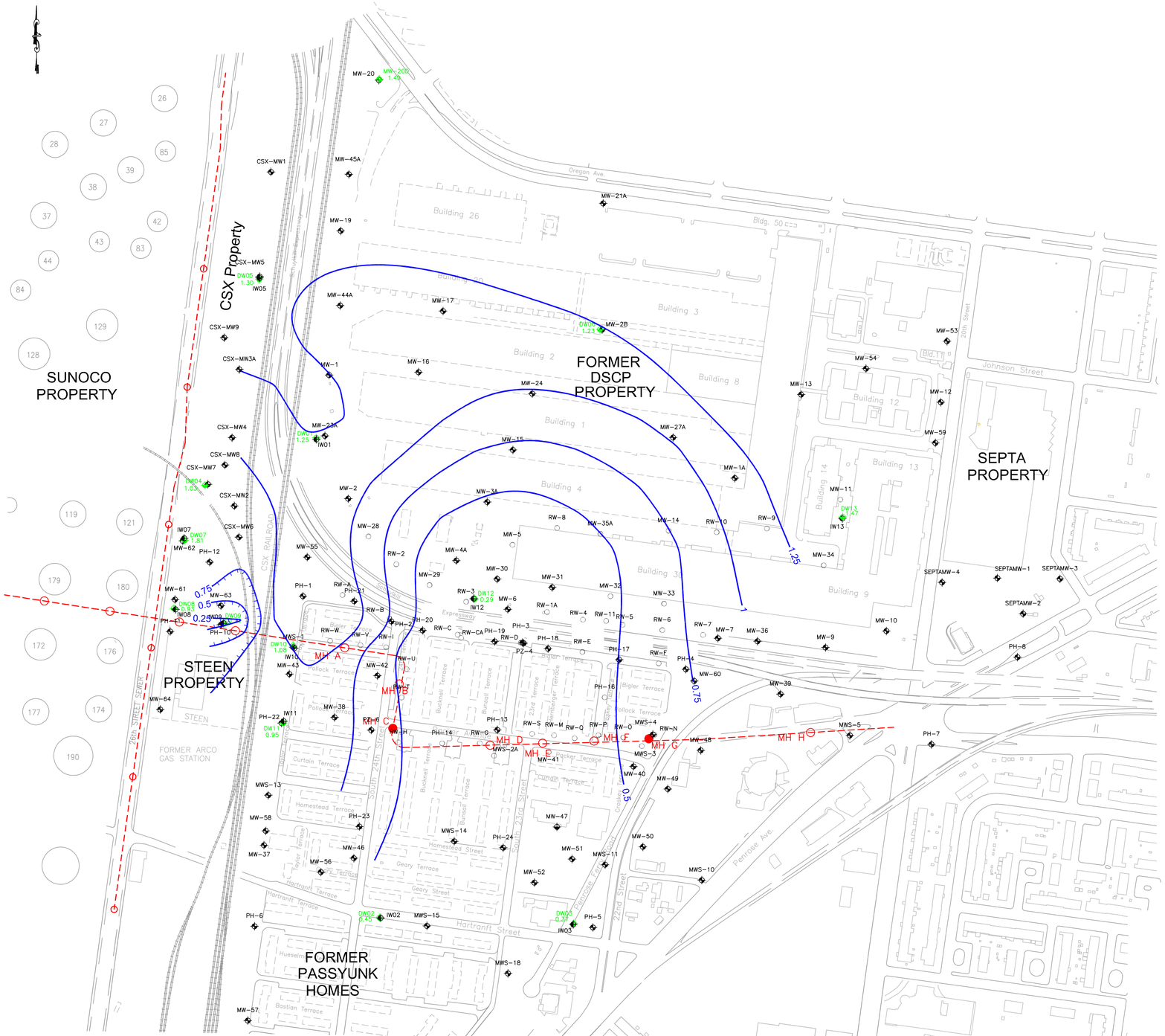
0 200 FEET

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 2
Corrected Groundwater Elevations in Shallow Monitoring and Recovery Wells
April 2, 2007

TETRA TECH EC, INC.

H:\GIS\PROJ\DSCP_Key\GW 04-02-2007.dwg, 6/8/2007 11:50:08 AM



Legend:

- 2.5 — Groundwater Elevation Contour (Feet MSL)
- Sewer Line
- Manhole
- Indicates Manholes Where PID & LEL Measurements Are Taken
- Monitoring Well
- Recovery Well

0 200 FEET

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 3
Groundwater Elevations in
Deep Monitoring Wells
April 2, 2007

TETRA TECH EC, INC.

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MW-20		MW-20-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	0.08 J
Toluene	(ug/l)	0.04 J
Ethylbenzene	(ug/l)	0.03 J
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	0.24 J

MW-20D		MW-20D-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	3.3 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	11

DW06		DW-06-01
		04/05/07
Constituent	Units	Primary
Benzene	(ug/l)	1.2 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	0.76 J

CSX-MW5		CSX-05-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	2400
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	ND

MW-2B		MW-2B-01
		04/05/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	0.69 J

IW05		IW-05-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	44
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	42

DW01		DW-01-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	260

DW05		DW-05-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	160

IW01		IW-01-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	0.92 J
Toluene	(ug/l)	1.7 J
Ethylbenzene	(ug/l)	2.7 J
Xylene (total)	(ug/l)	23
Methyltert-butylether	(ug/l)	88

MW-23A		MW-23A-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	2.6 J
Ethylbenzene	(ug/l)	14
Xylene (total)	(ug/l)	18
Methyltert-butylether	(ug/l)	1.5 J

CSX-MW7		CSX-07-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	380
Toluene	(ug/l)	9.3
Ethylbenzene	(ug/l)	12
Xylene (total)	(ug/l)	21
Methyltert-butylether	(ug/l)	ND

DW04		DW-04-01
		04/03/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	24

IW07		IW-07-01 – 03
		04/09/07
Constituent	Units	Primary
Benzene	(ug/l)	1.1 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	73

MW-62		MW-62-01 – 03
		04/09/07
Constituent	Units	Primary
Benzene	(ug/l)	570
Toluene	(ug/l)	0.83 J
Ethylbenzene	(ug/l)	2 J
Xylene (total)	(ug/l)	7.9
Methyltert-butylether	(ug/l)	94

DW07		DW-07-01 – 03
		04/09/07
Constituent	Units	Primary
Benzene	(ug/l)	0.91 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	2.8 J
Methyltert-butylether	(ug/l)	5.1

DW08		DW-08-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	1.6 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	0.85 J
Methyltert-butylether	(ug/l)	1 J

MW-61		MW-61-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	6100
Toluene	(ug/l)	230
Ethylbenzene	(ug/l)	1100
Xylene (total)	(ug/l)	1400
Methyltert-butylether	(ug/l)	ND

IW08		IW-08-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	1.2 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	1100

IW09		IW-09-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	1100
Toluene	(ug/l)	22
Ethylbenzene	(ug/l)	4 J
Xylene (total)	(ug/l)	41
Methyltert-butylether	(ug/l)	60

PH-10		PH-10-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	27000
Toluene	(ug/l)	700
Ethylbenzene	(ug/l)	2200
Xylene (total)	(ug/l)	3200
Methyltert-butylether	(ug/l)	ND

DW09		DW-09-01 – 03
		04/10/07
Constituent	Units	Primary
Benzene	(ug/l)	0.63 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	0.9 J

DW10		DW-10-01 – 03
		04/09/07
Constituent	Units	Primary
Benzene	(ug/l)	4.2 J
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	14
Xylene (total)	(ug/l)	11
Methyltert-butylether	(ug/l)	21

MWS-1		MWS-1-01 – 03
		04/09/07
Constituent	Units	Primary
Benzene	(ug/l)	2200
Toluene	(ug/l)	270
Ethylbenzene	(ug/l)	1500
Xylene (total)	(ug/l)	2500
Methyltert-butylether	(ug/l)	ND

IW10		IW-10-01 – 03
		04/09/07
Constituent	Units	Primary
Benzene	(ug/l)	31000
Toluene	(ug/l)	150
Ethylbenzene	(ug/l)	58
Xylene (total)	(ug/l)	220
Methyltert-butylether	(ug/l)	ND

PH-22		PH-22-01 – 03
		04/06/07
Constituent	Units	Primary
Benzene	(ug/l)	760
Toluene	(ug/l)	61
Ethylbenzene	(ug/l)	260
Xylene (total)	(ug/l)	340
Methyltert-butylether	(ug/l)	ND

DW11		DW-11-01 – 03
		04/06/07
Constituent	Units	Primary
Benzene	(ug/l)	710
Toluene	(ug/l)	66
Ethylbenzene	(ug/l)	84
Xylene (total)	(ug/l)	110
Methyltert-butylether	(ug/l)	29

DW02		DW-02-01
		04/05/07
Constituent	Units	Primary
Benzene	(ug/l)	34
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	0.58 J

IW02		IW-02-01
		04/05/07
Constituent	Units	Primary
Benzene	(ug/l)	260
Toluene	(ug/l)	13
Ethylbenzene	(ug/l)	9.8
Xylene (total)	(ug/l)	81
Methyltert-butylether	(ug/l)	0.82 J

MWS-15		MWS-15-01
		04/05/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	ND

DW12		DW-12-01
		04/04/07 54
Constituent	Units	Primary
Benzene	(ug/l)	220
Toluene	(ug/l)	38
Ethylbenzene	(ug/l)	28
Xylene (total)	(ug/l)	79
Methyltert-butylether	(ug/l)	2.1 J

IW11		IW-11-01 – 03
		04/06/07
Constituent	Units	Primary
Benzene	(ug/l)	23000
Toluene	(ug/l)	220
Ethylbenzene	(ug/l)	200
Xylene (total)	(ug/l)	1200
Methyltert-butylether	(ug/l)	2.1 J

DW03		DW-03-01
		04/06/07
Constituent	Units	Primary
Benzene	(ug/l)	9100
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	ND

IW12		IW-12-01
		04/04/07
Constituent	Units	Primary
Benzene	(ug/l)	17000
Toluene	(ug/l)	390 J
Ethylbenzene	(ug/l)	640
Xylene (total)	(ug/l)	1240
Methyltert-butylether	(ug/l)	200

DW13		DW-13-01	DW-13-DUP-01
		04/04/07	04/04/07
Constituent	Units	Primary	Duplicate
Benzene	(ug/l)	0.7 J	0.68 J
Toluene	(ug/l)	ND	ND
Ethylbenzene	(ug/l)	1.4 J	1.1 J
Xylene (total)	(ug/l)	ND	ND
Methyltert-butylether	(ug/l)	0.62 J	0.64 J

IW13		IW-13-01
		04/04/07
Constituent	Units	Primary
Benzene	(ug/l)	81
Toluene	(ug/l)	1.5 J
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	9.5

PH-5		PH-5-01
		04/05/07
Constituent	Units	Primary
Benzene	(ug/l)	ND
Toluene	(ug/l)	ND
Ethylbenzene	(ug/l)	ND
Xylene (total)	(ug/l)	ND
Methyltert-butylether	(ug/l)	ND

IW03		IW-03-01	IW-03DUP-01
		04/06/07	04/06/07
Constituent	Units	Primary	Duplicate
Benzene	(ug/l)	ND	ND
Toluene	(ug/l)	ND	ND
Ethylbenzene	(ug/l)	ND	ND
Xylene (total)	(ug/l)	ND	ND
Methyltert-butylether	(ug/l)	ND	ND

SUNOCO PROPERTY

STEEN PROPERTY

FORMER ARCO GAS STATION

FORMER DSCP PROPERTY

SEPTA PROPERTY

FORMER PASSYUNK HOMES

CSX Property

CSX RAILROAD

Extent of Free Phase Plume, April 2, 2007

MH A

MH B

MH C

MH D

MH E

MH F

MH G

MH H

Legend:

- MW-9 — Shallow Monitoring Well
- RW-F — Extraction Well
- DW06 — Deep Monitoring Well
- IW06 — Intermediate Monitoring Well
- Sewer Line
- Manhole
- Extent of Free Phase Plume Inferred Apparent Product Thickness (Feet)
- ND = Not Detected at Sample Quantitation Limit
- J = Estimated Concentration

0 200 FEET

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 4
Volatile Organic Compound Concentrations
April 2007

TETRA TECH EC, INC.

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MW-20		MW-20-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	1.1
Iron	(mg/l) Dissolved	0.66
Manganese	(mg/l) Total	0.81
Manganese	(mg/l) Dissolved	0.79

MW-20D		MW-20D-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	40
Iron	(mg/l) Dissolved	40
Manganese	(mg/l) Total	6.4
Manganese	(mg/l) Dissolved	6.5

DW06		DW-06-02 04/05/07 Primary
Constituent	Units	
Iron	(mg/l) Total	4.4
Iron	(mg/l) Dissolved	0.069
Manganese	(mg/l) Total	3.1
Manganese	(mg/l) Dissolved	3.1

CSX-MW5		CSX-05-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	26
Iron	(mg/l) Dissolved	24
Manganese	(mg/l) Total	0.46
Manganese	(mg/l) Dissolved	0.43

MW-2B		MW-2B-02 04/05/07 Primary
Constituent	Units	
Iron	(mg/l) Total	19
Iron	(mg/l) Dissolved	11
Manganese	(mg/l) Total	0.93
Manganese	(mg/l) Dissolved	0.81

DW01		DW-01-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	11
Iron	(mg/l) Dissolved	10
Manganese	(mg/l) Total	7
Manganese	(mg/l) Dissolved	6.9

IW05		IW-05-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	3.4
Iron	(mg/l) Dissolved	3.3
Manganese	(mg/l) Total	3.6
Manganese	(mg/l) Dissolved	3.6

IW01		IW-01-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	26
Iron	(mg/l) Dissolved	25
Manganese	(mg/l) Total	4.6
Manganese	(mg/l) Dissolved	4.5

DW05		DW-05-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	6
Iron	(mg/l) Dissolved	6.3
Manganese	(mg/l) Total	7.5
Manganese	(mg/l) Dissolved	7.5

MW-23A		MW-23A-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	35
Iron	(mg/l) Dissolved	21
Manganese	(mg/l) Total	1.9
Manganese	(mg/l) Dissolved	1.8

CSX-MW7		CSX-07-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	12
Iron	(mg/l) Dissolved	9.8
Manganese	(mg/l) Total	0.56
Manganese	(mg/l) Dissolved	0.56

DW04		DW-04-02 04/03/07 Primary
Constituent	Units	
Iron	(mg/l) Total	33
Iron	(mg/l) Dissolved	32
Manganese	(mg/l) Total	7.4
Manganese	(mg/l) Dissolved	7.1

DW13		DW-13-02 04/04/07 Primary	DW-13-DUP-02 04/04/07 Duplicate
Constituent	Units		
Iron	(mg/l) Total	2.1	1.9
Iron	(mg/l) Dissolved	1.8	1.9
Manganese	(mg/l) Total	1	0.95
Manganese	(mg/l) Dissolved	0.96	0.96

IW07		IW-07-01 – 03 04/09/07 Primary
Constituent	Units	
Iron	(mg/l) Total	73
Iron	(mg/l) Dissolved	74
Manganese	(mg/l) Total	2.8
Manganese	(mg/l) Dissolved	2.9

DW07		DW-07-01 – 03 04/09/07 Primary
Constituent	Units	
Iron	(mg/l) Total	11
Iron	(mg/l) Dissolved	9.8
Manganese	(mg/l) Total	4.3
Manganese	(mg/l) Dissolved	4.2

MW-62		MW-62-01 – 03 04/09/07 Primary
Constituent	Units	
Iron	(mg/l) Total	13
Iron	(mg/l) Dissolved	11
Manganese	(mg/l) Total	0.85
Manganese	(mg/l) Dissolved	0.84

DW08		DW-08-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	1.7
Iron	(mg/l) Dissolved	1.6
Manganese	(mg/l) Total	5.4
Manganese	(mg/l) Dissolved	5.4

MW-61		MW-61-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	39
Iron	(mg/l) Dissolved	30
Manganese	(mg/l) Total	7.4
Manganese	(mg/l) Dissolved	6.8

IW08		IW-08-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	37
Iron	(mg/l) Dissolved	38
Manganese	(mg/l) Total	5.7
Manganese	(mg/l) Dissolved	5.8

IW09		IW-09-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	34
Iron	(mg/l) Dissolved	33
Manganese	(mg/l) Total	0.82
Manganese	(mg/l) Dissolved	0.82

PH-10		PH-10-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	35
Iron	(mg/l) Dissolved	33
Manganese	(mg/l) Total	0.39
Manganese	(mg/l) Dissolved	0.36

DW09		DW-09-01 – 03 04/10/07 Primary
Constituent	Units	
Iron	(mg/l) Total	2.8
Iron	(mg/l) Dissolved	2.4
Manganese	(mg/l) Total	6.7
Manganese	(mg/l) Dissolved	6.5

DW10		DW-10-01 – 03 04/09/07 Primary
Constituent	Units	
Iron	(mg/l) Total	33
Iron	(mg/l) Dissolved	29
Manganese	(mg/l) Total	3.7
Manganese	(mg/l) Dissolved	3.5

MWS-1		MWS-1-01 – 03 04/09/07 Primary
Constituent	Units	
Iron	(mg/l) Total	56
Iron	(mg/l) Dissolved	54
Manganese	(mg/l) Total	1.1
Manganese	(mg/l) Dissolved	1.1

IW10		IW-10-01 – 03 04/09/07 Primary
Constituent	Units	
Iron	(mg/l) Total	31
Iron	(mg/l) Dissolved	30
Manganese	(mg/l) Total	0.61
Manganese	(mg/l) Dissolved	0.57

PH-22		PH-22-01 – 03 04/06/07 Primary
Constituent	Units	
Iron	(mg/l) Total	13
Iron	(mg/l) Dissolved	12
Manganese	(mg/l) Total	0.16
Manganese	(mg/l) Dissolved	0.16

DW11		DW-11-01 – 03 04/06/07 Primary
Constituent	Units	
Iron	(mg/l) Total	48
Iron	(mg/l) Dissolved	49
Manganese	(mg/l) Total	1.4
Manganese	(mg/l) Dissolved	1.4

IW11		IW-11-01 – 03 04/06/07 Primary
Constituent	Units	
Iron	(mg/l) Total	35
Iron	(mg/l) Dissolved	34
Manganese	(mg/l) Total	2
Manganese	(mg/l) Dissolved	1.9

DW12		DW-12-02 04/04/07 Primary
Constituent	Units	
Iron	(mg/l) Total	23
Iron	(mg/l) Dissolved	23
Manganese	(mg/l) Total	1.7
Manganese	(mg/l) Dissolved	1.7

IW13		IW-13-02 04/04/07 Primary
Constituent	Units	
Iron	(mg/l) Total	1.2
Iron	(mg/l) Dissolved	1.1
Manganese	(mg/l) Total	6.8
Manganese	(mg/l) Dissolved	6.7

DW03		DW-03-02 04/06/07 Primary
Constituent	Units	
Iron	(mg/l) Total	18
Iron	(mg/l) Dissolved	18
Manganese	(mg/l) Total	0.96
Manganese	(mg/l) Dissolved	0.96

IW12		IW-12-02 04/04/07 Primary
Constituent	Units	
Iron	(mg/l) Total	4.6
Iron	(mg/l) Dissolved	3
Manganese	(mg/l) Total	0.84
Manganese	(mg/l) Dissolved	0.79

PH-5		PH-5-02 04/05/07 Primary
Constituent	Units	
Iron	(mg/l) Total	0.23
Iron	(mg/l) Dissolved	0.011 J
Manganese	(mg/l) Total	0.06
Manganese	(mg/l) Dissolved	0.015

IW03		IW-03-02 04/06/07 Primary	IW-03DUP-02 04/06/07 Duplicate
Constituent	Units		
Iron	(mg/l) Total	0.22	0.2
Iron	(mg/l) Dissolved	0.13	0.12
Manganese	(mg/l) Total	0.23	0.24
Manganese	(mg/l) Dissolved	0.24	0.24

DW02		DW-02-02 04/05/07 Primary
Constituent	Units	
Iron	(mg/l) Total	9.9
Iron	(mg/l) Dissolved	7.5
Manganese	(mg/l) Total	1.3
Manganese	(mg/l) Dissolved	1.2

IW02		IW-02-02 04/05/07 Primary
Constituent	Units	
Iron	(mg/l) Total	21
Iron	(mg/l) Dissolved	19
Manganese	(mg/l) Total	1.1
Manganese	(mg/l) Dissolved	0.93

MWS-15		MWS-15-02 04/05/07 Primary
Constituent	Units	
Iron	(mg/l) Total	1.2
Iron	(mg/l) Dissolved	0.027 J
Manganese	(mg/l) Total	0.018
Manganese	(mg/l) Dissolved	0.0093

SUNOCO PROPERTY

CSX Property

STEEN PROPERTY

FORMER DSCP PROPERTY

SEPTA PROPERTY

FORMER PASSYUNK HOMES

FORMER ARCO GAS STATION

Extent of Free Phase Plume, April 2, 2007

Legend:

- MW-9 — Shallow Monitoring Well
- RW-F — Extraction Well
- DW06 — Deep Monitoring Well
- IW06 — Intermediate Monitoring Well
- Sewer Line
- Manhole
- Extent of Free Phase Plume Inferred Apparent Product Thickness (Feet)
- ND = Not Detected at Sample Quantitation Limit
- J = Estimated Concentration

0 200 FEET

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DSCP/Passyunk Homes

Figure 5
Iron and Manganese Concentrations
April 2007

TETRA TECH EC, INC.

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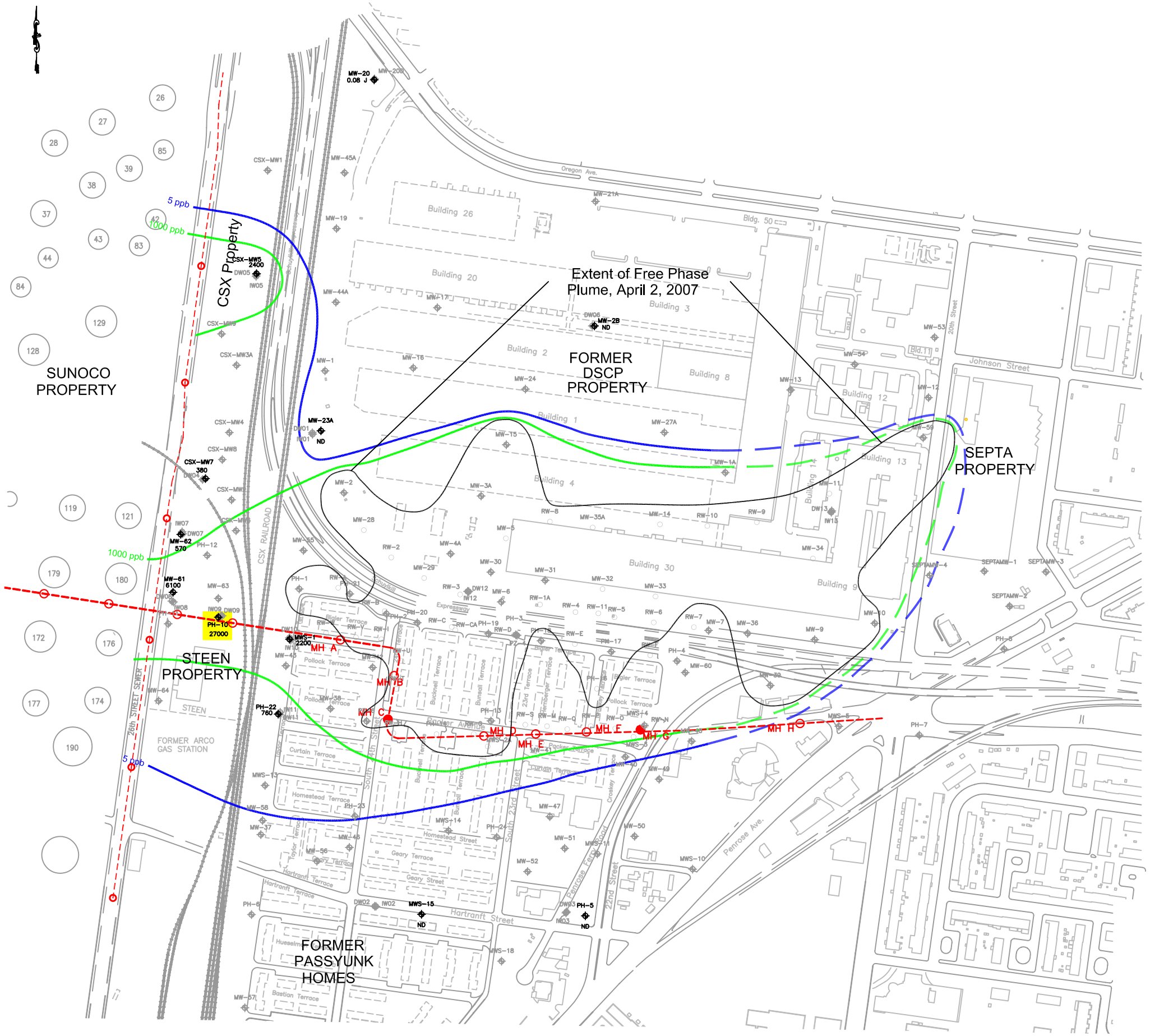


Legend:

- 0.35 — Benzene Concentration (ug/l) where sampled
- Extent of Free Phase Plume Inferred Apparent Product Thickness (Feet)
- 5 ppb — Benzene Isoconcentration
- Sewer Line
- Manhole
- Indicates Manholes Where PID & LEL Measurements Are Taken
- Monitoring Well
- Recovery Well
- ND = Not Detected at Sample Quantitation Limit
- J = Estimated Concentration

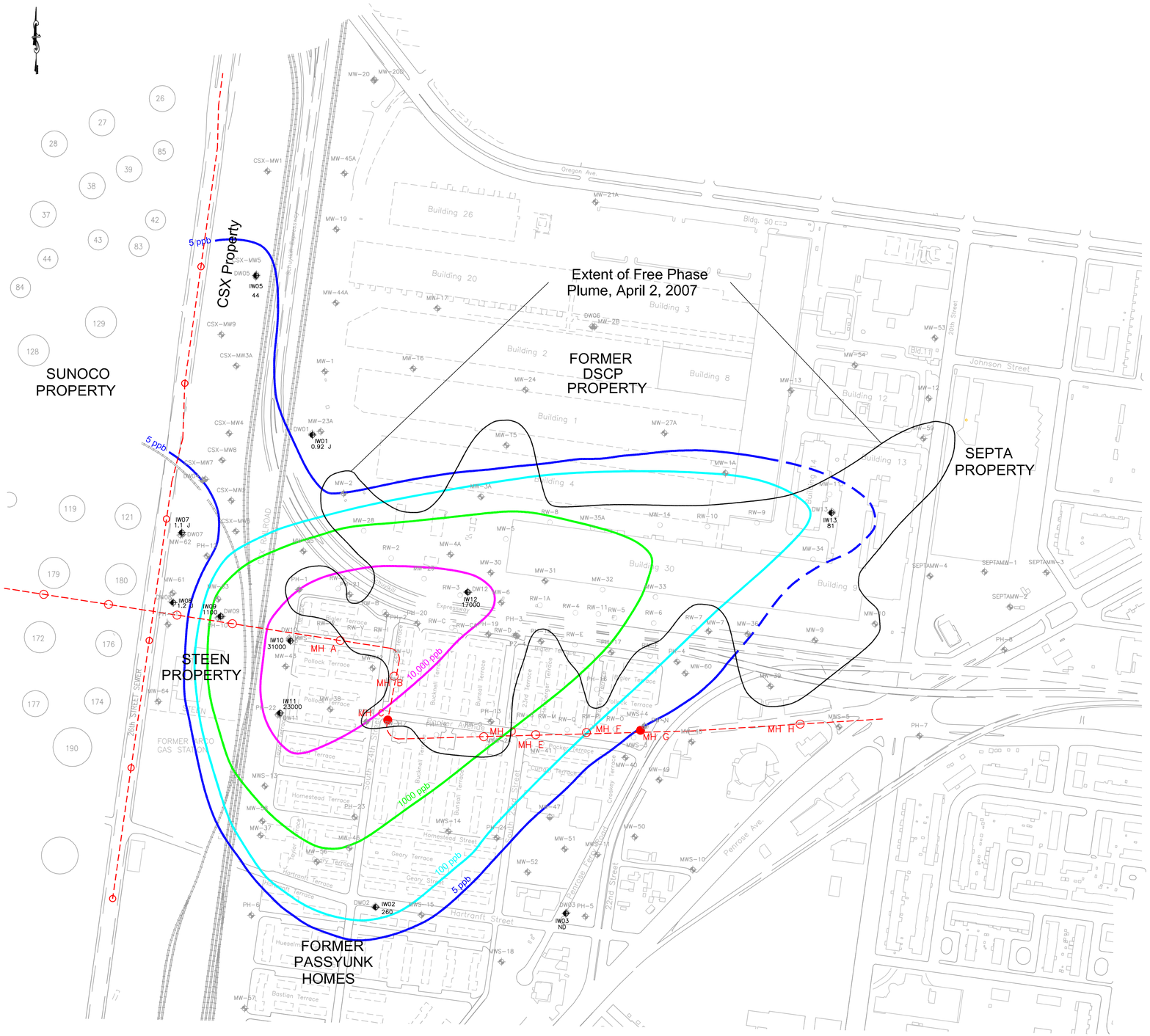
Highlighted wells indicate benzene concentration greater than 10,000 ug/l.

0 200 FEET

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 6
Benzene Concentrations in Groundwater – Shallow Zone
April 2007

TETRA TECH EC, INC.



Legend:

- 0.35 — Benzene Concentration (ug/l) where sampled
- Extent of Free Phase Plume Inferred Apparent Product Thickness (Feet)
- 5 ppb — Benzene Isoconcentration
- Sewer Line
- Manhole
- Indicates Manholes Where PID & LEL Measurements Are Taken
- Monitoring Well
- Recovery Well
- ND = Not Detected at Sample Quantitation Limit
- J = Estimated Concentration

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 7
Benzene Concentrations in Groundwater – Intermediate Zone
April 2007

TETRA TECH EC, INC.

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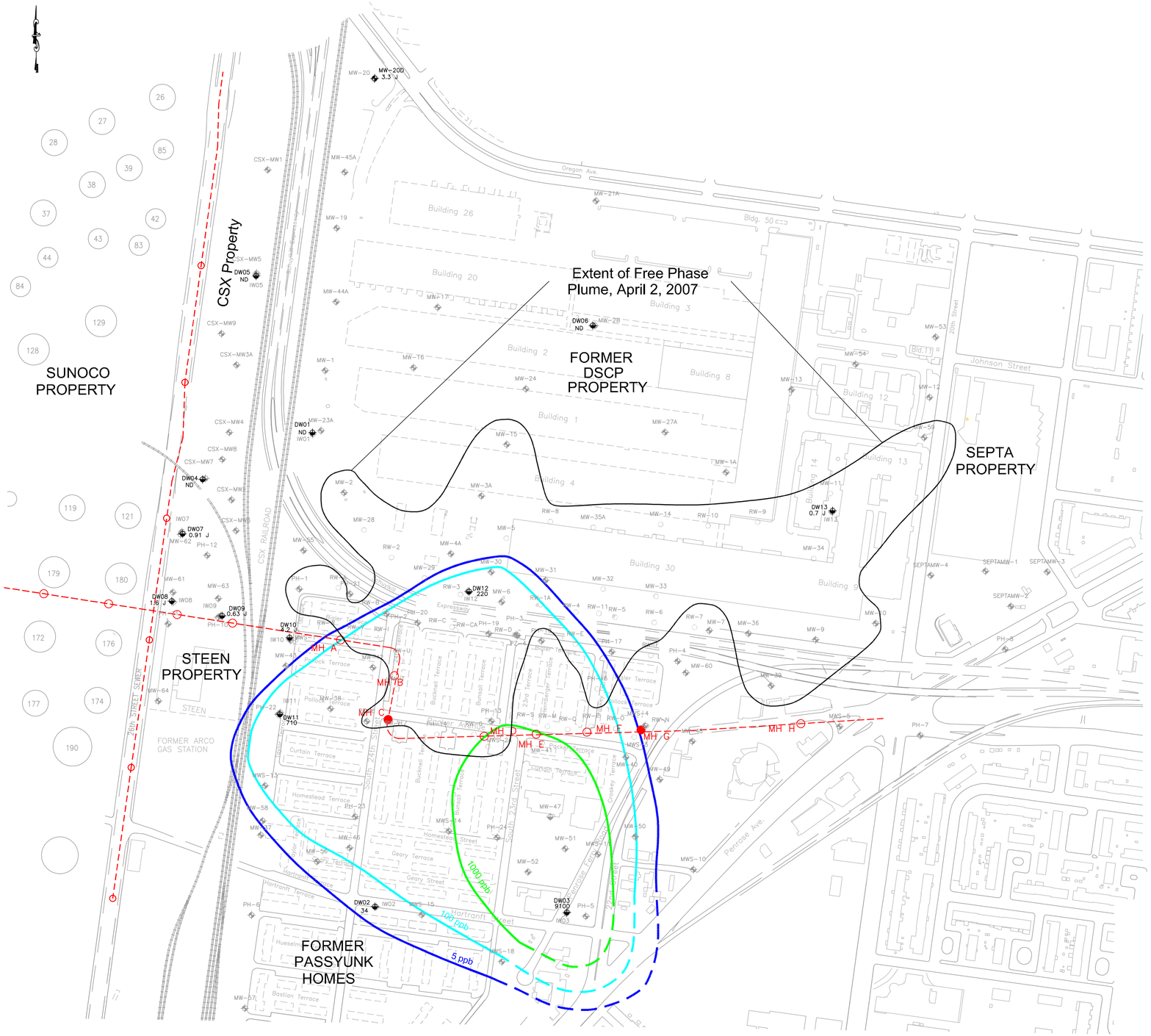

Legend:

- 0.35 — Benzene Concentration (ug/l) where sampled
- Extent of Free Phase Plume Inferred Apparent Product Thickness (Feet)
- 5 ppb — Benzene Isoconcentration
- Sewer Line
- Manhole
- Indicates Manholes Where PID & LEL Measurements Are Taken
- Monitoring Well
- Recovery Well
- ND = Not Detected at Sample Quantitation Limit
- J = Estimated Concentration

0 200 FEET

Former Defense Supply Center Philadelphia
DSCP/Passyunk Homes

Figure 8
Benzene Concentrations in Groundwater – Deep Zone
April 2007

TETRA TECH EC, INC.

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APPENDIX A
SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

TETRA TECH EC, INC.	Elevation: 19.88'
Location: DSCP	Completed Depth: 103.50'
Well Id: DW07	Total Depth: 110.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 86.50'
Date(s): 12/13/06 – 01/29/07	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 93.50'
Drilling Subcontractor: Chesapeake Geosystems	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 93.50' to: 103.50'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 83.00'; type: Benonite pellets fm: 83.00' to: 91.50'; type: Sand Pack fm: 91.50' to: 110.00'; type: fm: to:
X Coordinate: 2686045.00	
Y Coordinate: 222329.87	
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
0		10YR 5/8	CL/ML		0–4': Dense clayey silt, trace fine to medium sand grading to 10YR 2/1 silt
		10YR 2/1			4'–6': Silt
		2.5Y 7/1	ML		6'–8': Dense clay
		2.5Y 7/1			8'–12': Same as above with orange/gray mottles at 10'.
10			CL		
		2.5Y 7/1			12'–14.5' : Same as above.
		10YR 5/8			14.5'–16.5': Multicolored fine to coarse sand and gravel with some silt.
					16.5'–20': Fine to coarse sand, with trace silt.
20					20'–24': Same as above (multicolored sand and gravel). Strong odor and staining at 19'.
		10YR 5/8	SM		24'–28': Multicolored fine to coarse sand and gravel with some silt.
		5YR 5/2			28'–31': Fine to coarse sand and gravel with some silt (dense).
30		10YR 8/4			31'–32': Very dense clay.
		10YR 8/4			32'–34': Same as above.
		2.5YR 6/1	CL		34'–36': Fine to medium sand, trace silt grading to a fine to coarse sand, trace silt @ 36' (10YR 6/8). Slight odor.
		10YR 6/8			36'–38': Same as above grading to a fine sand and silt.
		2.5 YR 5/4			38'–40': Fine sand and silt.
40			SM		40'–41': Same as above;
					41'–42': Dark red brown, fine to medium sandy silt.
					42'–44': Same as above. (Fine to medium sandy silt)
					44'–45': Same as above.
					45'–46': Silt with some fine sand.
					46'–47.5': Same as above.
			MH		47.5'–48': Silty fine sand.
					48'–50': Same as above.
50					50'–50.5': Same as above.
					50.5'–52': Medium sand and silt.
					52'–54': Same as above with slightly coarser grained sand.
					54'–56': Same as above.
					56'–58': Same as above.
					58'–60': Fine sand with some silt.
					60'–60.5': Same as above.

Well Construction

MP. El. 19.88

Elevation (ft): 20, 10, 0, –10, –20, –30

TETRA TECH EC, INC. | Well Id: DW07

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
			SM		60.5'–62': Medium sand and silt. Two green clay pieces at 61.3' and 61.8'. Mica fragments on spoon, but not in sample.
					62'–64': Same as above. Large piece of green sandstone in cutting shoe, some clay present around it.
					64'–66': Fine to medium sand and silt. Large siltstone fragment in spoon at 64.5'.
					66'–68': Fine sand and silt.
70					68'–70': Same as above.
					70'–72': Same as above.
					72'–73': Same as above.
		2.5Y 7/8			73'–74': Orange brown very tight fine sand and silt.
		2.5Y 7/6			74'–75.5': Coarse sand, some fines, trace gravel.
					75.5'–76': Fine sand, trace medium sand, some fines.
		2.5Y 7/6			76'–78': Coarse sand with some fines.
			SW/SM		78'–80': Medium to coarse sand,some fines.
80		2.5Y 7/6			80'–82': Medium to coarse sand, trace fines.
		2.5Y 7/4			82'–84': Very, fine sand with trace fines. 1" clay layer at 83.6'
			SM		84'–86': No recovery.
		2.5Y 7/6			86'–88': Fine to medium sand with trace fines.
		2.5Y 7/3			
		2.5Y 7/1	SC/SM		Clay layer present from 87'–87.5'. Clay also present in cutting shoe.
		2.5Y 7/6			
90		2.5Y 7/2	CL		88'–89.5': Sandy clay.
		2.5Y 5/3			89.5'–90': Clayey sand.
		2.5Y 7/1	SW		90'–92': Fine to medium sand, trace gravel.
		2.5Y 7/4			92'–94': Medium to coarse sand, some fines. More fines and gravel present at bottom.
		2.5Y 7/8			94'–96': Fine to medium sand, grading into sand, fines and gravel mixture.
		2.5Y 7/1			96'–98': Gravel, sand and fines mixture.
		2.5Y 7/1	SW/SM		98'–100': Sand and gravel mix, trace fines.
100		2.5Y 7/1			100'–102': Sand and gravel mix, trace to some fines.
		2.5Y 7/3			104'–106': Rock flour/silty clay, some medium sand (rock relics)
			BD		108'–110': Saprolite/Weathered bedrock.
110		2.5Y 2.5/1			
		2.5Y 7/1			
120					
130					
140					

Well Construction

Elevation (ft)
-40
-50
-60
-70
-80
-90
-100
-110
-120

TETRA TECH EC, INC.	Elevation: 21.27'
Location: DSCP	Completed Depth: 115.00'
Well Id: DW08	Total Depth: 124.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 42.00'
Date(s): 12/14/06 – 02/20/07	
Drilling Subcontractor: Chesapeake Geosystems	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 100.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 100.00' to: 115.00'
X Coordinate: 2686003.58	
Y Coordinate: 222073.54	Annular Fill: type: Bentonite Grout fm: 0.00' to: 93.00' type: Benonite pellets fm: 93.00' to: 98.00' type: Sand Pack fm: 98.00' to: 124.00' type: fm: to:
Remarks: Used direct push to 32', begin using drill rig at 33'.	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
					0'–4': Fill
			Fl		4'–7': Fill
		5Y 3/2			7'–8': Silty clay, moderately dense.
		5Y 4/2			8'–12': Clayey silt, dense.
10			CL/ML		12'–14.5': Same as above.
		5Y 4/2			14.5'–16': Fine and medium sand and gravel and silt. Slight odor.
		5Y 3/2			16'–20': Same as above. Very little recovery due to large gravel in shoe. Odor.
		5Y 3/2			
20		5YR 2.5/1			20'–24': Multicolored fine to coarse sand, trace gravel and silt.
		5YR 2.5/1			24'–28': Same as above with large gravel.
			SM		
		5YR 2.5/1			28'–31': Same as above grading to fine to coarse sand, trace gravel and silt. Silt and broken red shale zone @ 29'. Strong odor.
30					
		2.5Y 4/3			33'–35': Sand and gravel with fines.
		2.5Y 4/3			35'–37': Medium to coarse sand with some gravel and fines.
		2.5Y 4/3	SW/SM		37'–38.5': Coarse sand some fines, trace gravel.
		2.5Y 6/1			38.5'–39': Silty clay.
		2.5Y 5/3			39'–41': Silty clay.
40		2.5Y 4/2			41'–43': Silty clay.
		2.5Y 4/2			42'–44': Silty clay
		2.5Y 3/2			
		2.5Y 3/2	CL		44'–46': Silty clay
		2.5Y 3/2			46'–48': Silty clay
		2.5Y 3/2			48'–50': Silty sand and fine sand and silt.
50		2.5Y 3/2	SM		50'–51.8': Silty sand with some clay.
		2.5Y 7/1			51.8'–52': Medium to coarse sand.
		2.5Y 7/1			52'–54': Medium to coarse sand, trace fines.
			SW		54'–54.5': ,Medium to coarse sand, trace fines.
		2.5Y 4/4			54.5'–55.5': Fine to medium sand.
		10YR 6/6	SW/SM		55.5'–56': Silty sand.Staining at contact.
		10YR 6/6			56'–58': Silty sand, trace clay.
		2.5Y 3/1	SM		58'–60': Sandy silt/silty sand, trace clay.

Well Construction

MP. EL. 21.27

Elevation (ft): 20, 10, 0, −10, −20, −30

TETRA TECH EC, INC. | Well Id: DW08

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		2.5Y 4/2	CL/ML		60'–61': Clayey silt with sand.
		5YR 5/6			61'–62': Fine to medium sand, trace coarse sand and gravel.
		5YR 5/6			
		2.5Y 6/6			62'–64': Fine to medium sand, trace coarse sand and gravel.
		2.5Y 6/6			64'–66': Medium sand, trace coarse sand, gravel and fines.
		2.5Y 6/6			66'–68': Medium sand, trace coarse sand.
70		2.5Y 6/6			68'–70': Medium sand, trace coarse sand.
		2.5Y 6/6	SW		70'–72': Medium sand, trace coarse sand and gravel. Gravel composed of sub–rounded quartz.
		2.5Y 6/6			72'–74': Fine to medium sand.
		2.5Y 6/6			74'–76': Fine to medium sand, trace gravel.
		2.5Y 6/6			76'–78': Fine to medium sand, slightly coarser than previous.
		2.5Y 6/6			78'–80': Fine to medium sand.
80		2.5Y 6/6			80'–82': Medium to coarse sand, trace gravel.
		2.5Y 6/6			82'–84': Medium to coarse sand, some gravel, trace fines. Some clay present in cutting shoe.
		2.5Y 6/6	SW/SM		84'–85': Coarse sand and gravel.
		2.5Y 7/4			85'–86': Coarse sand and gravel, trace fines. Color change from above.
		2.5Y 7/4	SW		86'–88': Sand and gravel, trace fines.
		2.5Y 7/4			88'–89.6': Sand and gravel, trace fines.
					89.6'–90': Silty clay, trace sand.
90					90'–92': No recovery. Driller reports feeling like fine material.
		2.5Y 7/3			92'–94': Fine to medium sand, trace fines.
		2.5Y 7/3			94'–96': Sand gravel and fines. In places, soil particles are coated with clay.
		2.5Y 7/3	SM		96'–98': Sand, gravel, and fines.
		2.5Y 7/3			98'–100': Sand and gravel and fines.
100		2.5Y 7/3			102'–104': Gravel with sand and fines.
		2.5Y 7/2			106'–108': Gravel, trace sand and fines.
			GW/GM		
110					
		2.5Y 7/4			114'–116': Gravel and sand.
			GW		
		2.5Y 8/3			118'–120': Silty clay, trace sand.
120			CL		
		2.5Y 8/8			122'–124': Weathered bedrock.
			BD		
130					
140					

Well Construction

Elevation (ft): −40, −50, −60, −70, −80, −90, −100, −110, −120

TETRA TECH EC, INC.	Elevation: 21.11'
Location: DSCP	Completed Depth: 110.00'
Well Id: DW09	Total Depth: 126.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 42.00'
Date(s): 12/14/06 – 02/08/07	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 95.00'
Drilling Subcontractor: Chesapeake Geosystems	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 95.00' to: 110.00'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 89.00'; type: Benonite pellets fm: 89.00' to: 93.00'; type: Sand Pack fm: 93.00' to: 114.00'; type: fm: to:
X Coordinate: 2686195.30	
Y Coordinate: 222017.44	
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
			FI		0'–4': Fill
		5Y 4/2			4'–8': Clayey silt/silty clay
		5Y 4/2	CL/ML		8'–12': Same as above with orange and gray mottles at 10'–12'. Very dense. 12'–14': Same as above.
10		5Y 4/2			14'–16': Multicolored fine to coarse sand and gravel, some silt. Very dense. 16'–19': Same as above.
			SM		19'–20': Fine to coarse sand, trace gravel and silt. 20'–24': Fine to coarse sand, trace gravel and silt. 24'–27': Same as above.
		10YR 4/4			27'–28': Fine to medium sand, some well rounded gravel and silt.
20		2.5Y 3/3			28'–32': Fine to coarse sand, some gravel and silt. Appears stained at 30'. Highest PID at 31'.
		2.5Y 2.5/1			30'–32': Medium to coarse sand and gravel, some fines.
		2.5Y 4/4	SW/SM		32'–34': Fine to medium sand. Trace gravel and fines. Staining and strong odor.
		2.5Y 3/3			34'–36': Medium sand, trace coarse sand and gravel. Bottom 3" is a silty clay.
		2.5Y 3/3			36'–38': Fine sand, top 1" is a silty clay. Odor.
30		2.5Y 5/4			38'–39.5': Fine sand with a 1" medium to coarse sand stringer at 39'.
		2.5Y 4/4			39.5'–40': Silty clay, trace sand.
		2.5Y 6/4			40'–40.5': Fine sand with some fines.
		5Y 5/2	SW/SC		40.5'–41.5': Sandy clay.
		2.5Y 5/4			41.5'–42': Silty clay. Slight odor.
			CL/ML		42'–42.2': Silty clay. 42.2'–43.3': Fine sand with some fines.
40		2.5Y 6/8			43.3'–44': Silty clay.
		5Y 5/2	CL		44'–44.5': Silty clay, some sand.
		5Y 4/2			44.5'–45': Fine sand.
			SC		45'–46': Silty clay with trace sand.
		5Y 4/2			46'–46.1': Silty clay with trace sand.
			CL/ML		46.1'–46.7': Silty sand.
		5Y 4/2			46.7'–48': Silt with clay and silty clay.
			SC/SM		48'–50': Silty clay grading into silty sand.
		5Y 4/2			50'–52': Silty sand with some clay. Fine to medium sand with trace fines in cutting shoe. Slight odor in bottom 1" of sample. Possible oil staining.
50		5Y 4/2	CL/ML		
			SC/SM		52'–54': Fine sand with trace medium sand and fines.
		5Y 4/4			54'–56': Fine sand, trace medium sand and fines. Slight odor.
		5Y 4/4	SM		56'–58': Fine to medium sand grading to fine sand. Bottom 2"fine to medium sand with a few gravel pieces.
		5Y 4/4			
			SW		58'–60': Silty clay/clay with silt, with a 1" sand layer at top.
		5Y 4/2	CL/ML		

Well Construction

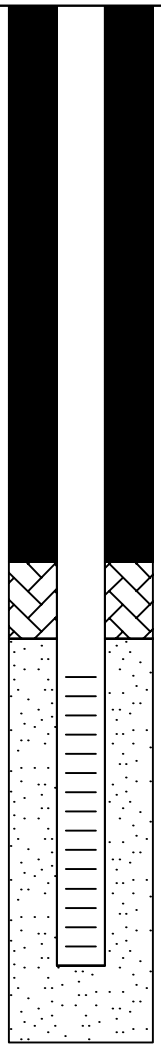
MP. El. 21.11

Elevation (ft): 20, 10, 0, –10, –20, –30

TETRA TECH EC, INC. | Well Id: DW09

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		5Y 4/2	SW/SM		60'–62': Fine sand with trace fines with a 1" clay layer on top.
		2.5Y 5/4			62.5'–64': Medium to coarse sand, trace fines few gravel pieces. No spoon from 62'–62.5' due to obstruction in spoon.
		5Y 5/2			64'–66': Fine to medium sand, trace coarse sand.
		5Y 5/2			66'–68': Medium sand, some fine and coarse sand.
		5Y 5/2			68'–70': Medium sand, trace coarse sand and gravel.
70		5Y 5/2			70'–72': Medium sand, trace coarse sand and gravel.
		5Y 5/2	SW		72'–74': Medium sand, trace coarse sand and gravel.
		5Y 5/2			74'–76': Medium sand, trace coarse sand and gravel.
		2.5Y 6/6			76'–78': Medium to coarse sand,trace gravel.
		2.5Y 2/6			78'–80': Medium to coarse sand, some gravel.
80		2.5Y 6/6			80'–82': Sand,gravel and fines mix.
		2.5Y 6/4	SW/SM		82'–83.3': Sand, fine and gravel mix.
		2.5Y 7/6			83.3'–84': Clayey sand grading to sandy clay.
		2.5Y 7/4	SC/SM		84'–84.5': Sandy clay.
		2.5Y 7/4	SM		84.5'–86': Sand, fines and gravel mix.
					86'–88': Sand, fines and gravel mix.
90			SW/SM		88'–90': Sand, fines and gravel mix.
		2.5Y 7/4			92'–94': Sand and gravel mix.
		2.5Y 7/4	SW		96'–98': Coarse sand, some gravel.
100		2.5Y 7/4			100'–102': Coarse sand, some gravel and fines.
		2.5Y 7/6			104'–106': Coarse sand, some gravel and fines.
		2.5Y 7/6			108'–110': Coarse sand, fine gravel and trace fines.
110			SW/SM		
		2.5Y 7/1			112'–114': Sand and gravel, some fines.
		2.5Y 7/6			116'–118': Sand and gravel, some fines.
					Based on driller observations, drilling change at 119': Bedrock encountered.
120		2.5Y 7/6			120'–121.3': Clayey silt.
		2.5Y 6/1			121.3'–122': Clayey silt/silty clay.
		2.5Y 2.5/1	BD		124'–126': Weathered bedrock.
130					
140					

Well Construction



Elevation (ft): −40, −50, −60, −70, −80, −90, −100, −110, −120

TETRA TECH EC, INC.	Elevation: 22.99'
Location: DSCP	Completed Depth: 110.00'
Well Id: DW10	Total Depth: 136.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 40.00'
Date(s): 11/07/06 – 12/07/06	
Drilling Subcontractor: Chesapeake Geosystems	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 95.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 95.00' to: 110.00'
X Coordinate: 2686451.79	
Y Coordinate: 221934.52	Annular Fill: type: Bentonite Grout fm: 0.00' to: 88.00' type: Benonite pellets fm: 88.00' to: 92.00' type: Sand Pack fm: 92.00' to: 136.00' type: fm: to:
Remarks: Direct push drilling stopped at 29.5' due to refu sal.	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		Orange and Brown	TO		0'–0.5': Topsoil
			FI		0.5'–4': Silt with some gravel (fill).
		Orange/ Gray			4'–8': Orange/gray clayey silt grading to gray clayey silt with orange mottles.
			ML		
		Gray			8'–12': Clayey silt/silty clay, moderately dense.
10					
		Gray	CL/ML		12'–14': Same as above.
		Multicolored			14'–16': Fine to coarse sand, some gravel. Red silt and gravel lense at 15.5'
		Multicolored	SP		16'–20': Fine to coarse sand, some gravel and silt.
20		Multicolored			20'–24': Same as above. PID readings increasing with depth.
		Multicolored	SP/SM		24'–28': Same as above. Wet.
					28'–29.5': Same as above. Direct push refusal at 29.5'.
		Multicolored 2.5Y 5/4			29.5'–30': Insufficient sample recovery for logging.
30		2.5Y 5/4			30'–32': Fine to medium sand with coarse sand and gravel. Petroleum odor.
		2.5Y 5/4			32'–34': Fine to medium sand with coarse sand and gravel. Petroleum odor.
		2.5Y 5/4	SP		34'–36': Fine to medium sand with some coarse sand and trace gravel. Possible staining.
		2.5Y 5/3			36'–38': Medium sand with fine to coarse sand and gravel.
		5YR 4/3			38'–40': Fine sand with some silt and pockets of medium to coarse sand and gravel.
40		5YR 4/3	SP/SM		40'–42': Fine sand with some silt and coarse sand and gravel.
		2.5Y 5/3			42'–44':Fine sand with trace medium to coarse sand grading into fine sand with silt and clay.
					44'–46': Fine sand with some silt. Pockets of sandy clay and silt.
		2.5Y 5/3	SM		46'–48': Fine sand with some silt. Some sandy clay at top.
		2.5Y 5/3			48'–50': Fine sand with trace silt.
50		5YR 5/8			50'–52': Same as above. Color change to reddish brown at 51.5'.
		5YR 5/8			52'–54': Fine sand with trace medium to coarse sand. Green to greenish gray layer in middle of spoon.
		2.5Y 5/6			54'–56': Fine sand with trace medium to coarse sand. 2" lense of coarse sand and gravel at 55'.
		2.5Y 5/6	SW		56'–58': Fine sand with trace coarse to medium sand.
		2.5Y 5/6			58'–60': Fine to medium sand, fining downward.

Well Construction

MP. EL. 22.99

Elevation (ft): 20, 10, 0, –10, –20, –30

TETRA TECH EC, INC. | Well Id: DW10

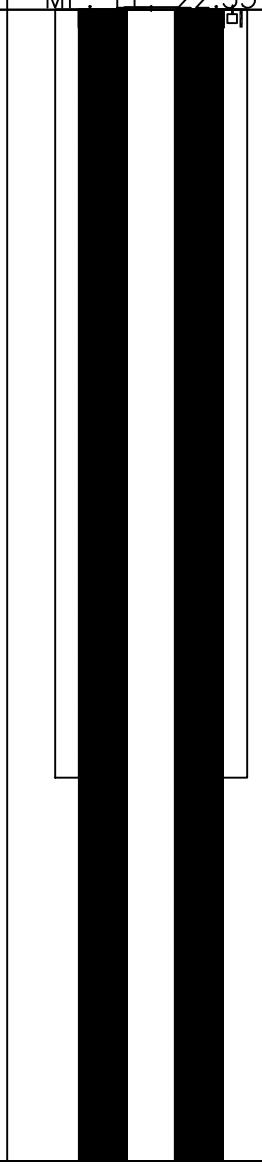
Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		2.5Y 5/6, 2.5YR 3/2	SW/SM		60'–62': Fine sand with trace medium to coarse sand and silt. 3"–4" of green clay at 61'.
		2.5Y 5/6			62'–64': Fine sand with trace medium to coarse sand grading to medium to coarse sand and fine gravel.
		2.5Y 5/6	SW		64'–66': Medium to coarse sand and trace gravel.
		2.5Y 5/4			66'–68': Medium to coarse sand with trace fine gravel and silt. Slight odor.
		2.5Y 5/4			68'–70': Same as above. Slight odor.
70		2.5Y 5/4	SW/SM		70'–72': Same as above. Slight odor.
		2.5Y 5/4			72'–74': Same as above. In middle portion of sample, observed thin oily string.
		2.5Y 5/4			74'–76': Fine to coarse sand with gravel. Slight odor.76'–78': Fine sand with coarse to medium sand and gravel and silt and clay.
		2.5Y 5/4	SW		78'–80': Fine sand with coarse to medium sand and gravel and silt and clay.
		2.5Y 5/4			80'–82': Coarse sand with some gravel and medium sand. Trace silt.
80		2.5 Y 7/4			82'–84': Medium sand with some coarse sand, trace gravel and silt.
		2.5 Y 7/4			84'–86': Coarse sand with some gravel, trace fine sand and silt. Slight odor.
		2.5Y 7/4			86'–88': Sand gravel and clay with gravelly clay.
		2.5Y 7/3	SW/SM		88'–90': Medium to coarse sand with gravel. Trace fine sand and silt. Slight odor.
		2.5Y 7/4			90'–92': Coarse sand with gravel. Trace fine sand and silt. Slight odor.
90		2.5Y 7/4			92'–94': Coarse sand with gravel, trace fine sand and silt. Slight odor.
		2.5Y 7/4			94'–96': Coarse sand and gravel, trace fine sand and silt. Slight odor.
		2.5Y 7/4			96'–98': Medium to coarse sand with gravel.
		2.5Y 7/4	SW		98'–100': Medium to coarse sand and gravel. In places 2–3 mm clay lenses.
100					
		2.5Y 7/4	SW/SM		102'–104': Medium to coarse sand with gravel and fine sand and silt.
		2.5Y 7/4			106'–108': Sand and gravel. Slight odor.
			SW		
110		2.5Y 7/4			110–'112': Coarse sand with some gravel and silt. Slight odor.
		2.5Y 2/8, 2.5Y 7/4			114'–116': Coarse sand with gravel and silt.
		2.5Y 7/4			118'–120': Coarse sand with gravel and fines. Slight odor.
120			SW/SM		
		2.5Y 7/4			122'–124': Coarse sand and gravel with fines. Some clay in tip.
		2.5Y 8/1, 2.5Y 7/8			126'–128': Fine to medium sand with trace coarse sand and fines. In places, very thin clay pockets.
130		2.5Y 8/1			130'–132': Weathered bedrock.
		Gley1 2.5/10, 2.5Y 8/1	BD		134'–136': Weathered bedrock (biotite schist)
140					

Well Construction

Elevation (ft): −40, −50, −60, −70, −80, −90, −100, −110, −120

TETRA TECH EC, INC.	Elevation: 22.35'
Location: DSCP	Completed Depth: 110.00'
Well Id: DW11	Total Depth: 138.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 40.00'
Date(s): 11/06/06 – 11/28/06	
Drilling Subcontractor: Chesapeake Geosystems	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 95.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 95.00' to: 110.00'
X Coordinate: 2686414.83	
Y Coordinate: 221642.87	Annular Fill: type: Bentonite Grout fm: 0.00' to: 87.00' type: Benonite pellets fm: 87.00' to: 92.00' type: Sand Pack fm: 92.00' to: 138.00' type: fm: to:
Remarks: Driling and sampling performed as: Direct Push/Geoprobe from 0.0'–44' and from 44' mud rotary and split spoon sampling,	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		Brown	TO		0'–2' – Topsoil. Brown clayey silt, trace gravel and mica.
		Orange-brown			2'–4' – Dense clayey silt.
		Orange-brown			4'–8' – Dense clayey silt grading into gray clayey silt. Damp.
			CL/ML		
		Orange-brown			8'–11': Same as above.
10		Multicolored	SM		11'–12': Fine to coarse sand and silt, trace gravel. PID reading taken just below silt/sand interface.
		Brown	SW		12'–12.2': Fine to coarse sand.
		Multicolored			12.2–16' – Fine to coarse sand, trace gravel. PID readings increasing with depth.
			SP		
		Multicolored			16'–20' – Fine to coarse sand and gravel, some silt.
20		Multicolored			20'–24': Fine to coarse sand and gravel, some silt.
			SP/SM		
		Multicolored			24'–26': Same as above.
		Brown			26'–28': Fine to coarse sand, some silt. 2" gravel layer at 26'.
		Dark gray/brown			28'–32': Fine to medium sand, trace coarse sand and silt.
30		Dark gray/brown	SM		32'–36': Same as above.
		Dark gray/brown			36'–37': Same as above with coarse gravel at 37'. 2" clay lense at 36.5'.
		Orange			37'–40': Orange dense clay grading to a gray clay at 40'.
40		Gray/Brown	CL		40'–41': Clay.
		Gray			41'–44': Fine sand.
			SM		44'–44.5':Fine to medium sand, loose. 44.5'–45.5': Dense silty clay.
		5Y 4/3			45.5'–46': Fine sand and silt.
		7.5YR 6/8	CL		46'–48': Fine to medium sand, loose. Slight odor. Well sorted.
		GLEY1 5/5G	SW		48'–50: Same as above. (Fine to medium sand, loose)
		GLEY1 5/5G			50'–52': Same as above. Slight odor.
50		GLEY1 5/5G			52'–54': Same as above with some coarse sand. Slight odor.
		GLEY1 5/5G			54'–56': Fine to coarse sand with trace silt, loose, poorly sorted.
		2.5Y 5/3			56'–56.5': Same as above.
		GLEY1 5/5G	SM		56.5'–58': Fine to medium sand, trace silt and coarse sand. Loose.
		GLEY1 5/5G			58'–60': Same as above. Large piece of gravel at bottom.



Elevation (ft)

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TETRA TECH EC, INC. | Well Id: DW11

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		GLEY1 5/5G			60'–61.5': Same as above with a 6" clay and sand layer at 61
		GLEY1 4/5GY			61.5'–62': Fine sand with some silt.
		GLEY 1 5/5G			62'–63.8': Fine sand and silt, moderately dense.
		2.5Y 5/2			63.8'–64': Fine to coarse sand, trace gravel and silt.
		2.5Y 5/2	SW/SM		64'–66': Fine to coarse sand, some well–rounded quartz gravel and silt. Loose.
		2.5Y 5/2			66'–68': Same as above with large broken pieces of gravel at bottom. Slight odor.
70		GLEY1 7/10Y	SW		68'–70': Fine to coarse sand and quartz gravel.
		2.5Y 6/6	SM		70'–72': Fine sand, trace silt. Dense.
		2.5Y 6/6	SW/SM		72'–72.5': Same as above.
		2.5Y 3/3			72.5'–74': Fine to coarse sand and gravel, well rounded, trace silt.
		2.5Y 6/6	SM		74'–75': Multicolored angular gravel with some coarse sand.
		2.5Y 6/6	CL		75'–76': Clayey coarse sand.
80		2.5Y 7/2			76'–78': Silty sand with sub–rounded gravel.
		2.5Y 7/2	SM		78'–78.25': Very firm, mottled clay.
		2.5Y 7/2			78.25'–80': Medium to coarse clayey sand with little gravel.
		2.5Y 7/2			80'–82': Clayey medium sand with sub–rounded quartz gravel.
		2.5Y 7/2	SC		82'–84': Same as above.
		10YR 5/8			84'–86': Same as above with slightly finer sand grains.
90		2.5Y 7/3	SM		86'–88': Clayey fine to medium sand. Little coarse sand.
		2.5Y 7/1	CL		88'–90': Silty fine sand and gravel.
		2.5Y 7/3			90'–90.6': Very stiff clay.
		2.5Y 6/2			90.6'–92': Sandy clay.
		2.5Y 6/2			92'–94': Silty fine to medium sand.
		2.5Y 6/2			94'–96': Fine sand and silt with a few laminations present. Petroleum odor.
		2.5Y 6/2			96'–98': Same as above.
100		2.5Y 6/2			98'–100': Same as above.
		2.5Y 6/2			100'–102': Silty fine to coarse sand and gravel.
		2.5Y 7/3			102'–104': Limited recovery. Appears to be same as above.
			SM		104'–106': Silty fine to coarse sand as above. Petroleum odor.
		2.5Y 7/3			108'–110': Same as above.
110		2.5Y 7/3			112'–114': Same as above.
		2.5Y 7/3			116'–118': Same as above.
120		2.5Y 7/3			120'–122': Fine to coarse sand with some silt and gravel.
		2.5Y 7/3			124'–126': Same as above.
		2.5Y 6/6	SP/SM		128'–130': Same as above.
130		2.5Y 2/3			132'–134': Coarse to medium sand with some fine sand, silt, clay and gravel.
					136'–138': Weathered bedrock.
			BD		
140					

Well Construction

Elevation (ft): –40, –50, –60, –70, –80, –90, –100, –110, –120

TETRA TECH EC, INC.	Elevation: 21.60'
Location: DSCP	Completed Depth: 109.00'
Well Id: DW12	Total Depth: 132.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 40.00'
Date(s): 11/08/06 – 12/14/06	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 94.00'
Drilling Subcontractor: Chesapeake Geosystems	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 94.00' to: 109.00'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 88.00'; type: Benonite pellets fm: 88.00' to: 91.00'; type: Sand Pack fm: 91.00' to: 132.00'; type: fm: to:
X Coordinate: 2687134.91	
Y Coordinate: 222109.92	
Remarks: Driling and sampling performed as: Direct Push/Geoprobe from 0'–40' and from 34' mudrotary and split spoon sampling,	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		Black	TO		0'–0.5': Topsoil
			SM		0.5'–4': Fine to coarse sand and gravel with silt.
		Orange/ Gray			4'–4.5': Multicolored fine to coarse sand and gravel with silt (cinders).
					4.5'–8': Orange/gray mottled clayey silt.
		Orange/ Gray	ML		8'–10.5': Same as above.
10		Multicolored			10.5'–12': Fine to coarse sand, trace gravel and silt.
		Multicolored	SM		12'–16': Fine to coarse sand, trace gravel.
		Multicolored	SW		16'–19.5': Same as above.
		Brown			19.5'–20': Silty clay lense with gravel at bottom.
20		Multicolored	CL/ML		High PID readings and odor. Wet at 20'.
			SM		20'–24': Fine to coarse sand and gravel. Some silt throughout. Strong odor and dry.
		Multicolored			24'–28': Fine to coarse sand and gravel. Wet. Product within sleeve. Strong odor.
		Brown			28'–29': Fine to coarse sand.
		Brown	SW		29'–32': Fine to medium sand.
30		Dark Gray			32'–34': Fine to medium sand, some coarse sand.
		Gley2 5/5BG			34'–35': Medium to coarse sand with some gravel and fine sand.
		2.5Y 3/3	SC		35'–36': Fine sand, silt and clay. Visible oily stains along sample.
		Orange/ Gray			36'–38': Fine sand and silt with trace clay. Odor.
		Gray	SW/SM		38'–40': Fine sand with some silt, trace clay. Odor.
		Gley2 5/5BG			
40		Gley2 5/5BG	SM		40'–42': Medium to coarse sand with some gravel.
		Gray			42'–44': Coarse to medium sand, trace gravel.
		2.5Y 4/2			44'–46': Medium to coarse sand and gravel with fines.
		2.5Y 4/2	SW		46'–48': Medium to coarse sand.
		2.5Y 4/2			48'–50': Medium to coarse sand.
		2.5Y 4/2	SW/SM		50'–52': Medium to coarse sand, trace fines and gravel.
50		2.5Y 4/2			52'–54': Medium to coarse sand, trace fines.
		2.5Y 4/2	SW		54'–56': Medium to coarse sand, trace gravel and fines.
		2.5Y 4/2			56'–58': Medium to coarse sand, trace fines.
		2.5Y 4/2	SW/SM		58'–60': Medium to coarse sand, trace fines.

Well Construction

MP. EL. 21.60

Elevation (ft): 20, 10, 0, –10, –20, –30

TETRA TECH EC, INC. | Well Id: DW12

Depth (ft)	Recovery %	Color	USCS Code	Material Description
70		2.5Y 4/2	SW/SC	60'–62': Coarse to medium sand with gravel and fines. At 61', 0.5cm layer of green silty clay.
		2.5Y 5/3		62'–64': Coarse to medium sand with gravel and fines.
		2.5Y 5/4	SW/SM	64'–66': Medium sand with some coarse sand with trace fines and gravel.
		5Y 6/4		66'–68': Medium to coarse sand with trace gravel and fines.
		5Y 6/4		68'–70': Sand and gravel.
		5Y 6/4		70'–72': Sand and gravel.
		5Y 6/4		72'–74': Sand and gravel.
		5Y 6/4	SW	74'–76': Sand and gravel.
		5Y 6/4		76'–78': Sand and gravel mix.
		2.5Y 6/6		78'–80': Sand and gravel mix with trace clay.
80		5Y 6/4	SW/SC	80'–82': Sand and gravel mix with trace fines.
		2.5Y 7/4		82'–84': Medium to coarse sand with trace gravel and fines.
		2.5Y 7/4	SW/SM	84'–86': Medium to coarse sand with trace gravel and fines.
		2.5Y 7/1		86'–88': Fine sand with some clay and trace gravel, with a 2" sandy clay layer in bottom.
		2.5Y 6/1	SW/SC	88'–90': Clay, sand and gravel mix.
90		2.5Y 6/1		90'–92': Clay, sand and gravel mix.
		2.5Y 6/1	SC	92'–94': Clay, sand and gravel mix.
		2.5Y 6/1		94'–96': Sand and gravel with some clay.
		2.5Y 7/6		96'–98': Sand and gravel with some clay. Color varies slightly throughout.
		2.5Y 6/1		98'–100': Sand and gravel with trace clay.
100			SW/SC	102'–104': Medium to coarse sand with some gravel and clay.
				106'–108': Medium to coarse sand with some gravel and fines.
110			SW/SM	110'–112': Medium to coarse sand, trace gravel and fines.
				114'–116': Sand and gravel with some clay.
			SW/SC	118'–120': Fine to medium sand with trace fines, coarse sand and gravel.
120			SW/SM	122'–124': Gravel with sand, most likely cave–in material.
			SW	126'–128': Clay, some fine sand.
			CL	130'–132': Bedrock
130			BD	
140				

Well Construction

Elevation (ft): −40, −50, −60, −70, −80, −90, −100, −110, −120

TETRA TECH EC, INC.	Elevation: 19.19'
Location: DSCP	Completed Depth: 104.00'
Well Id: DW13	Total Depth: 118.00'
Logged By: Jason Funk/Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 87.50'
Date(s): 12/13/06 – 01/09/07	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 0.0' to: 94.00'
Drilling Subcontractor: Chesapeake Geosystems	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 94.00' to: 104.00'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 85.00'; type: Benonite pellets fm: 85.00' to: 92.00'; type: Sand Pack fm: 92.00' to: 118.00'; type: fm: to:
X Coordinate: 2688518.08	
Y Coordinate: 222417.26	
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
			Fl		0–4': Fill
					4'–6': Fill
		10YR 4/6			6'–8': Dense clayey silt
		10YR 4/6	CL/ML		8'–12': Dense multicolored fine to coarse sand and gravel grading to a well sorted fine sand at 11.5'. Trace silt.
10		10YR 4/6			12'–16': Dense multicolored fine to coarse sand and gravel, some silt. Too little recovery for description. Smear zone present in sample and wet.
20		7.5YR 4/2			20'–24': Fine to coarse sand, some gravel, trace silt. Strong odor, visable sheen.
		7.5YR 4/2			24'–27': Fine to coarse sand and gravel, trace silt.
		7.5YR 4/2			27'–28': Fine to medium sand, trace coarse sand and silt.
		7.5YR 4/2	grading to		28'–32': Fine to medium sand, some coarse sand, trace silt and gravel.
30		7.5YR 5/1	SM		
		10YR 4/1			32'–36': Loose fine to medium sand, some coarse sand, trace silt.
		7.5YR 4/1			36'–40': Fine sand, trace silt. 2" thick dense clay layer at 39'. PID readings drop off after 39'. (200–400 ppm)
40					
50		2.5YR 4/5			50'–52': Fine sand with some silt.
		2.5YR 4/5			52'–54': Fine to medium sand with some coarse sand.
		2.5Y 5/3	SW		54'–56': Medium to coarse sand with some fines, trace gravel.
		7.5YR 4/6			56'–58': Medium to coarse sand with some fines.
		2.5Y 5/3	SW/SM		58'–60': Fine, medium and coarse sand with trace fines.

Well Construction: MP. El. 19.19

Elevation (ft): 10, 0, −10, −20, −30, −40

TETRA TECH EC, INC. | Well Id: DW13

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description
		2.5Y 5/3			60'–62': Medium to coarse sand, trace fines.
		2.5Y 5/3			62'–64': Medium to coarse sand.
			SW		64'–66': Medium to coarse sand with a 2" clay layer at 65'.
		2.5Y 5/3			
			SW/SC		66'–68': Medium to coarse sand.
		2.5YR 4/2			
		2.5YR 4/6			68'–70': Medium to coarse sand with trace gravel.
		2.5YR 4/6			
70		2.5YR 4/2			70'–72': Medium to coarse sand.
		2.5YR 4/6			72'–74': Sand and gravel mix.
			SW		74'–76': No recovery
		2.5YR 4/6			76'–78': Medium to coarse sand, some fine sand.
		2.5Y 6/3			78'–80': Sand and gravel mix.
80		2.5Y 7/2			80'–81': Sandy clay.
			SW/SC		81'–82': Fine sand with trace clay.
		2.5Y 7/2			82'–83': Fine sand with trace fines.
			SW/SM		83'–84': Sand and gravel mix.
		2.5Y 7/2			84'–85': Medium to coarse sand.
		2.5Y 7/2			85'–86': Fine sand with some gravel, bottom 2" are a sandy clay.
			SW/SC		86'–87': Sand, fines and gravel mix with clay pockets. Grading to more sand.
		2.5Y 7/2			87'–88': Clay
90		2.5Y 7/2	CL		88'–89': Clay with trace gravel and sand.
		2.5Y 7/6			89'–89.5': Clay with sand pocket.
					89.5'–90': Clayey sand, sandy clay in tip of spoon.
		2.5Y 7/6	SW/SC		90'–91': Clay
					91'–92': Sand and gravel mix, some fines.
		2.5Y 6/4			92'–94': Sand and gravel mix with some fines. Bottom 3" mixed wit clay.
		10YR 6/6	2.5Y 7/2		94'–96': Sand and gravel mix with trace fines. Clay pocket 2" above tip of spoon.
100					96'–98': Fine sand, trace coarse sand, gravel and clay.
		2.5Y 7/6	SW/SM		98'–99': Fine sand.
					99'–100': Gravel, sand and fines.
					102'–104': Sand and gravel with trace fines.
		2.5Y 8/2			106'–107': Fine sand and gravel.
			SW		107'–108': Silty clay, mica visible.
110		2.5Y 2.5/1			110'–112': Saprolite.
		2.5Y 7/2			
		2.5Y 2.5/1	BD		114'–116': Saprolite/weathered bedrock.
		2.5Y 7/2			
		2.5Y 2.5/1			116'–118': Weathered bedrock. Stop drilling.
		2.5Y 2.8/1			
120					
130					
140					

Well Construction

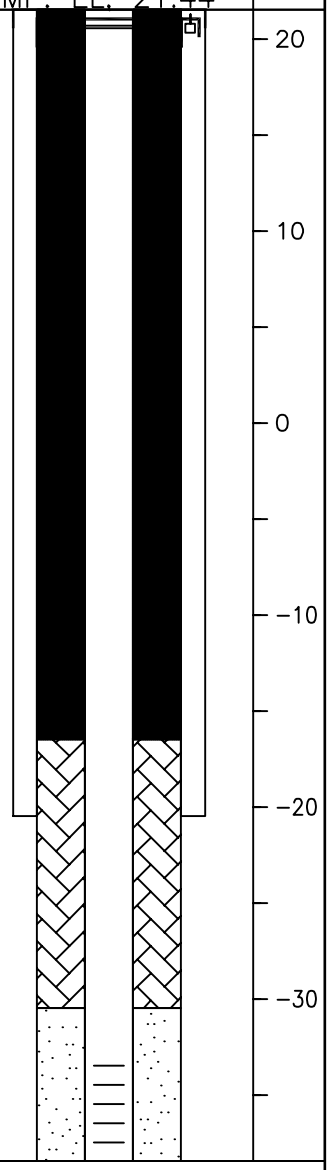
Elevation (ft)
-50
-60
-70
-80
-90
-100
-110
-120
-130

TETRA TECH FW, INC.	Elevation: 19.91'
Location: DSCP	Completed Depth: 55.00'
Well Id: IW07	Total Depth: 55.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 33.00'
Date(s): / / – 01/23/07	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 40.00'
Drilling Subcontractor: Chesapeake Geosystem	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 40.00' to: 55.00'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 35.00' type: Benonite pellets fm: 35.00' to: 38.00' type: Sand Pack fm: 38.00' to: 55.00' type: fm: to:
X Coordinate: 2686042.59	
Y Coordinate: 222337.56	
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW07 for boring information.	MP. EL. 19.91	20
10							10
20							0
30							-10
40							-20
50							-30

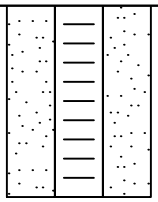
TETRA TECH FW, INC.	Elevation: 21.44'
Location: DSCP	Completed Depth: 70.00'
Well Id: IW08	Total Depth: 70.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 42.00'
Date(s): / / – 02/23/07	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 55.00'
Drilling Subcontractor: Chesapeake Geosystem	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 55.00' to: 70.00'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 38.00'; type: Benonite pellets fm: 38.00' to: 52.00'; type: Sand Pack fm: 52.00' to: 70.00'; type: fm: to:
X Coordinate: 2686009.79	
Y Coordinate: 222070.24	
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW08 for boring information.	MP. EL. 21.44	



TETRA TECH FW, INC.

Well Id: IW08

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
70							−40
80							−50
90							−60
100							−70
110							−80
120							−90
130							−100
140							−110
							−120

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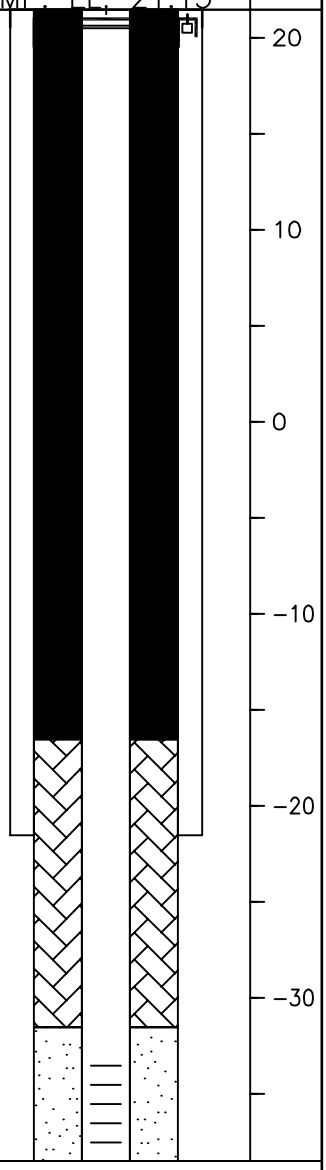
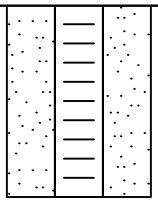
TETRA TECH FW, INC.	Elevation: 21.15'
Location: DSCP	Completed Depth: 70.00'
Well Id: IW09	Total Depth: 70.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 43.00'
Date(s): / / – 02/12/07	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 55.00'
Drilling Subcontractor: Chesapeake Geosystem	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 55.00' to: 70.00'
Drilling Method: Mud Rotary	Annular Fill: type: Bentonite Grout fm: 0.00' to: 38.00' type: Benonite pellets fm: 38.00' to: 53.00' type: Sand Pack fm: 53.00' to: 70.00' type: fm: to:
X Coordinate: 2686190.37	
Y Coordinate: 222018.19	
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW09 for boring information.	MP. EL. 21.15	



TETRA TECH FW, INC.

Well Id: IW09

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
70							−40
80							−50
90							−60
100							−70
110							−80
120							−90
130							−100
140							−110
							−120

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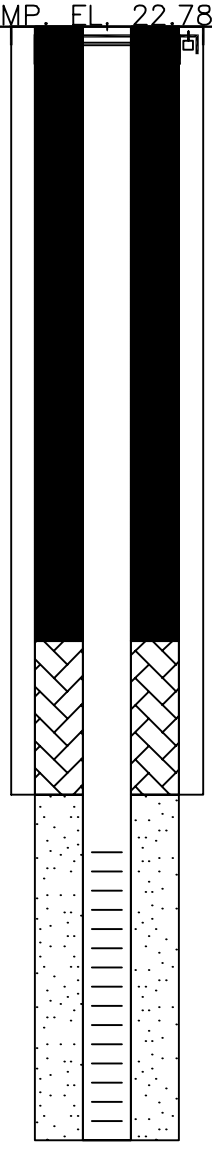
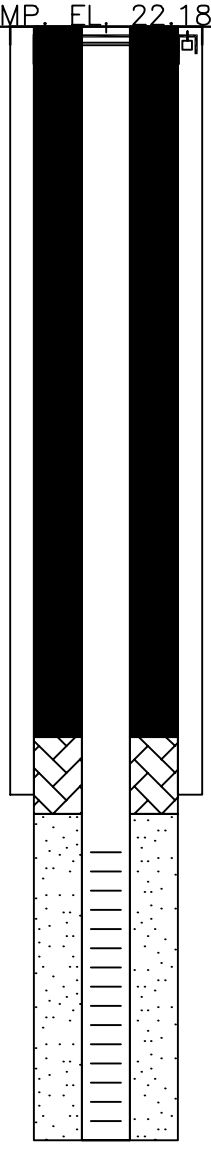
TETRA TECH FW, INC.	Elevation: 22.78'
Location: DSCP	Completed Depth: 58.00'
Well Id: IW10	Total Depth: 58.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 40.00'
Date(s): / / – 12/07/06	
Drilling Subcontractor: Chesapeake Geosystem	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 43.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 43.00' to: 58.00'
X Coordinate: 2686456.42	
Y Coordinate: 221924.54	Annular Fill: type: Bentonite Grout fm: 0.00' to: 32.00' type: Benonite pellets fm: 32.00' to: 40.00' type: Sand Pack fm: 40.00' to: 58.00' type: fm: to:
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW10 for boring information.	MP. EL. 22.78	



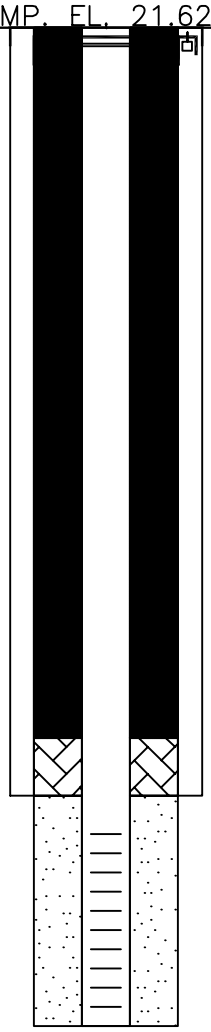
TETRA TECH FW, INC.	Elevation: 22.18'
Location: DSCP	Completed Depth: 58.00'
Well Id: IW11	Total Depth: 58.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 40.00'
Date(s): / / – 11/30/06	
Drilling Subcontractor: Chesapeake Geosystem	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 43.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 43.00' to: 58.00'
X Coordinate: 2686416.41	
Y Coordinate: 221650.02	Annular Fill: type: Bentonite Grout fm: 0.00' to: 37.00' type: Benonite pellets fm: 37.00' to: 41.00' type: Sand Pack fm: 41.00' to: 58.00' type: fm: to:
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW11 for boring information.	MP. EL. 22.18	



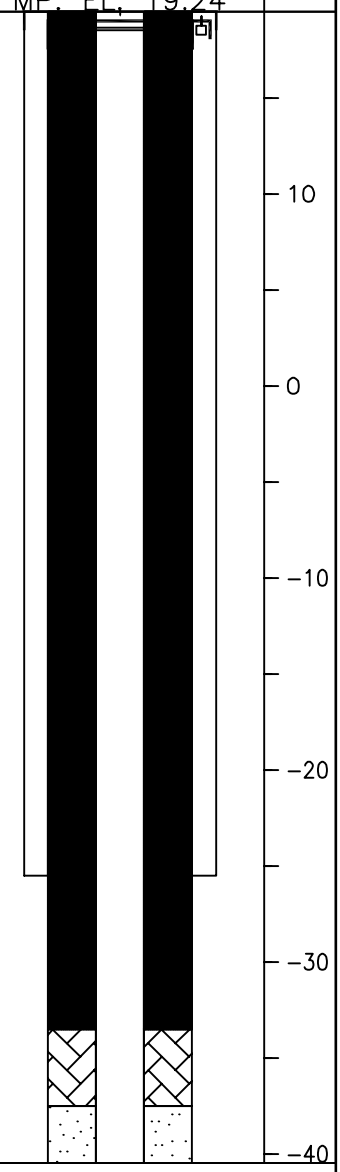
TETRA TECH FW, INC.	Elevation: 21.62'
Location: DSCP	Completed Depth: 52.00'
Well Id: IW12	Total Depth: 52.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 40.00'
Date(s): / / – 12/15/06	
Drilling Subcontractor: Chesapeake Geosystem	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 42.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 42.00' to: 52.00'
X Coordinate: 2687130.65	
Y Coordinate: 222110.41	Annular Fill: type: Bentonite Grout fm: 0.00' to: 37.00' type: Benonite pellets fm: 37.00' to: 40.00' type: Sand Pack fm: 40.00' to: 52.00' type: fm: to:
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW12 for boring information.	MP. EL. 21.62	



TETRA TECH FW, INC.	Elevation: 19.24'
Location: DSCP	Completed Depth: 75.00'
Well Id: IW13	Total Depth: 75.00'
Logged By: Neb Dedic	Outer Casing: type: carbon steel dia: 6.00" fm: 0.00' to: 45.00'
Date(s): / / – 01/03/07	
Drilling Subcontractor: Chesapeake Geosystem	Inner Casing: type: PVC sch 40 dia: 2.00" fm: 1.0' to: 60.00'
Drilling Method: Mud Rotary	Screens: type: Slotted size: 0.010" dia: 2.00" fm: 60.00' to: 75.00'
X Coordinate: 2688516.71	
Y Coordinate: 222411.99	Annular Fill: type: Bentonite Grout fm: 0.00' to: 53.00' type: Benonite pellets fm: 53.00' to: 57.00' type: Sand Pack fm: 57.00' to: 75.00' type: fm: to:
Remarks:	

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
					See DW13 for boring information.	MP. EL. 19.24	



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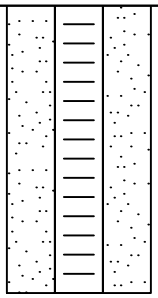
TETRA TECH FW, INC.

Well Id: IW13

Depth (ft)	Recovery %	Color	USCS Code	Graphic Log	Material Description	Well Construction	Elevation (ft)
70							-50
80							-60
90							-70
100							-80
110							-90
120							-100
130							-110
140							-120
							-130



APPENDIX B
LABORATORY DATA PACKAGES

Pace Analytical®
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Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

April 24, 2007

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Dear Mr. Pinkham:

Enclosed are analytical results for samples submitted to Pace Analytical by Tetra Tech EC, Inc.. The samples were received on April 7, 2007. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 07-2793 when inquiring about this report.

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Pace Sample Identification	Client Sample Identification
0704-1373	IW-02-01
0704-1374	IW-02-02
0704-1375	IW-02-03
0704-1376	MW-2B-01
0704-1377	MW-2B-02
0704-1378	MW-2B-03
0704-1379	IW-12-01
0704-1380	IW-12-02
0704-1381	IW-12-03
0704-1382	DW-12-01
0704-1383	DW-12-02
0704-1384	DW-12-03
0704-1385	PH-5-01
0704-1386	PH-5-02
0704-1387	PH-5-03
0704-1388	MWS-15-01
0704-1389	MWS-15-02
0704-1390	MWS-15-03

Pace Sample Identification	Client Sample Identification
0704-1391	DW-02-01
0704-1392	DW-02-02
0704-1393	DW-02-03
0704-1394	DW-06-01
0704-1395	DW-06-02
0704-1396	DW-06-03
0704-1397	IW-13-01
0704-1398	IW-13-02
0704-1399	IW-13-03
0704-1400	DW-13-01
0704-1401	DW-13-02
0704-1402	DW-13-03
0704-1403	DW-13-DUP-01
0704-1404	DW-13-DUP-02
0704-1405	DW-13-DUP-03
0704-1406	FB-01-01
0704-1407	FB-01-02
0704-1408	FB-01-03

General Comments: Cooler temperature 3° C upon receipt. Ice was present.

REPORT OF LABORATORY ANALYSIS

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Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Timothy P. Reed
Project Manager

TPR: jld

Enclosures

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1373**
Client Sample ID: IW-02-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Benzene	8260B(1)	260	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Ethylbenzene	8260B(1)	9.8	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Toluene	8260B(1)	13	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Lab Sample ID: **0704-1373**
Client Sample ID: IW-02-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
m,p-Xylene	8260B[1]	74	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
o-Xylene	8260B[1]	7.1	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1374**
Client Sample ID: IW-02-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	21	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.1	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1375**
Client Sample ID: IW-02-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	19	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.93	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1376**
Client Sample ID: MW-2B-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

(Continued)

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Fax: 724.327.7793

Lab Sample ID: **0704-1376**
Client Sample ID: MW-2B-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1377**
Client Sample ID: MW-2B-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	19	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.93	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1378**
Client Sample ID: MW-2B-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	11	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.81	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1379**
Client Sample ID: IW-12-01
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	44	10	ug/l	MAK	04/15/2007	0059724-1	<10
Benzene	8260B(1)	17000	500	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Ethylbenzene	8260B(1)	640	500	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methyl tert-butyl ether	8260B(1)	200	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Toluene	8260B(1)	<500	500	ug/l	MAK	04/15/2007	0059724-1	<5.0

(Continued)

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Lab Sample ID: **0704-1379**
Client Sample ID: IW-12-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Vinyl chloride	8260B[1]	71	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
m,p-Xylene	8260B[1]	1000	500	ug/l	MAK	04/15/2007	0059724-1	<5.0
o-Xylene	8260B[1]	240	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis. One surrogate was outside QC limits(low) in the neat analysis of this sample. All surrogate recoveries were acceptable in the dilution. Therefore, matrix interferences are suspected. It appears that the high concentration of Benzene is the primary interferant for the the surrogate in question.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1380**
Client Sample ID: IW-12-02
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	4.6	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.84	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1381**
Client Sample ID: IW-12-03
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	3.0	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.79	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1382**
Client Sample ID: DW-12-01
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Voiatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	220	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	5.9	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	28	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	38	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1382**
Client Sample ID: DW-12-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	58	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	21	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1383**
Client Sample ID: DW-12-02
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	23	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.7	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1384**
Client Sample ID: DW-12-03
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	23	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.7	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1385**
Client Sample ID: PH-5-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1385**
Client Sample ID: PH-5-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1386**
Client Sample ID: PH-5-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	0.23	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.060	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1387**
Client Sample ID: PH-5-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	<0.050	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.015	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1388**
Client Sample ID: MWS-15-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

(Continued)

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Lab Sample ID: **0704-1388**
Client Sample ID: MWS-15-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1389**
Client Sample ID: MWS-15-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	1.2	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.018	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1390**
Client Sample ID: MWS-15-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	<0.050	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	0.0093	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1391**
Client Sample ID: DW-02-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	34	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1391**
Client Sample ID: DW-02-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1392**
Client Sample ID: DW-02-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	9.9	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.3	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1393**
Client Sample ID: DW-02-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	7.5	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.2	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1394**
Client Sample ID: DW-06-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	15	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1394**
Client Sample ID: DW-06-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1395**
Client Sample ID: DW-06-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	4.4	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	3.1	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1396**
Client Sample ID: DW-06-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	0.069	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	3.1	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1397**
Client Sample ID: IW-13-01
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	81	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	9.5	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1397**
Client Sample ID: IW-13-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
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820 Town Center Drive
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Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1398**
Client Sample ID: IW-13-02
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	1.2	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	6.8	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1399**
Client Sample ID: IW-13-03
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	1.1	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	6.7	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1400**
Client Sample ID: DW-13-01
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1400**
Client Sample ID: DW-13-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1401**
Client Sample ID: DW-13-02
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	2.1	0.050	mg/l	CS0	04/12/2007	0059461-1	<0.050
Manganese	6010B[1]	1.0	0.0050	mg/l	CS0	04/12/2007	0059461-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1402**
Client Sample ID: DW-13-03
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	1.8	0.050	mg/l	CS0	04/12/2007	0059461-1	<0.050
Manganese	6010B[1]	0.96	0.0050	mg/l	CS0	04/12/2007	0059461-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1403**
Client Sample ID: DW-13-DUP-01
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059780-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

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Lab Sample ID: **0704-1403**
Client Sample ID: DW-13-DUP-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059780-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
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Lab Project ID: **07-2793**
Lab Sample ID: **0704-1404**
Client Sample ID: DW-13-DUP-02
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	1.9	0.050	mg/l	CS0	04/12/2007	0059461-1	<0.050
Manganese	6010B[1]	0.95	0.0050	mg/l	CS0	04/12/2007	0059461-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1405**
Client Sample ID: DW-13-DUP-03
Sample Matrix: Aqueous

Date Sampled: 04/04/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	1.9	0.050	mg/l	CS0	04/12/2007	0059461-1	<0.050
Manganese	6010B[1]	0.96	0.0050	mg/l	CS0	04/12/2007	0059461-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1406**
Client Sample ID: FB-01-01
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	MAK	04/15/2007	0059724-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

(Continued)

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Fax: 724.327.7793

Lab Sample ID: **0704-1406**
Client Sample ID: FB-01-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	MAK	04/15/2007	0059724-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1407**
Client Sample ID: FB-01-02
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	0.082	0.050	mg/l	CS0	04/12/2007	0059461-1	<0.050
Manganese	6010B[1]	<0.0050	0.0050	mg/l	CS0	04/12/2007	0059461-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2793**
Lab Sample ID: **0704-1408**
Client Sample ID: FB-01-03
Sample Matrix: Aqueous

Date Sampled: 04/05/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	<0.050	0.050	mg/l	CS0	04/12/2007	0059461-1	<0.050
Manganese	6010B[1]	<0.0050	0.0050	mg/l	CS0	04/12/2007	0059461-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

Page: 1 of 3

1045005

Section A Required Client Information:

Company	Tetra Tech EC
Address	820 Town Center Dr. Suite 100, Langhorne PA 19047
Email To	Derek Pinkham
Phone	215 702 4070
Fax	215 702 4645
Requested Due Date/TAT:	

Section B Required Project Information:

Report To	Derek Pinkham
Copy To	Derek Pinkham, Langhorne, PA 19047
Purchase Order No.:	
Project Name:	DSCP
Project Number:	2277 XXXX XXXX

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☒ OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Filtered (Y/N)

Requested Analysis: VOCs 8260 / Total metals / Dissolved metals

Pace Project Number: 07-02793

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	Sample Temp at Collection	# of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Total metals	Dissolved metals	Residual Chlorine (Y/N)	Lab I.D.
1	IW-02-01	WT	G			4/5/07	1345		3				X					X				01-1313
2	IW-02-02						1346		1			X							X			
3	IW-02-03						1347		1			X								X		
4	MW-2B-01						0936		3				X					X				
5	MW-2B-02						0937		1			X							X			
6	MW-2B-03						0938		1			X								X		
7	IW-12-01					4/4/07	1700		3				X					X				
8	IW-12-02						1702		1			X							X			
9	IW-12-03						1703		1			X								X		
10	DW-12-01						1620		3				X					X				
11	DW-12-02						1621		1			X							X			
12	DW-12-03						1622		1			X								X		24

Additional Comments:

VOCs by 8260
Total metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filter
All samples on ice

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Ed Casey / TtEC	4/6/07	1200	FEDEX # 8612 8612 8035	4/6/07	1200
fedex			[illegible]	4/6/07	1055

SAMPLE CONDITION

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Edward Casey

SIGNATURE of SAMPLER: E Casey

DATE Signed (MM/DD/YY): 4/6/07

SEE REVERSE SIDE FOR INSTRUCTIONS

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 3

1045004

Section A Required Client Information:

Company:	Tetra Tech EC
Address:	820 Town Center Dr Suite 100, Langhorne PA 19047
Email To:	Derek Pinkham
Phone:	215 702 4072
Fax:	215 702 4045
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Derek Pinkham
Copy To:	Derek Pinkham
Purchase Order No.:	
Project Name:	DSCP
Project Number:	277XXXXXX

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION

☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC
☐ OH ☐ SC ☐ WI ☑ OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Filtered (Y/N)

Requested Analysis: VOCs 8260; Total metals; Dissolved Metals; Residual Chlorine (Y/N)

Pace Project Number: 01-02143

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Total metals	Dissolved Metals	Residual Chlorine (Y/N)	Lab I.D.
1	PH-5-01	WT	G			4/5/07	1521		3				X					X				04-1355
2	PH-5-02	WT	G			4/5/07	1522		1			X							X			56
3	PH-5-03	WT	G			4/5/07	1523		1			X								X		57
4	MWS-15-01	WT	G			4/5/07	1435		3				X					X				58
5	MWS-15-02	WT	G			4/5/07	1437		1			X							X			59
6	MWS-15-03	WT	G			4/5/07	1438		1			X								X		60
7	DW-02-01	WT	G			4/5/07	1302		3				X					X				61
8	DW-02-02	WT	G			4/5/07	1303		1			X							X			
9	DW-02-03	WT	G			4/5/07	1304		1			X								X		
10	DW-06-01	WT	G			4/5/07	1028		3				X					X				
11	DW-06-02	WT	G			4/5/07	1029		1			X							X			
12	DW-06-03	WT	G			4/5/07	1030		1			X								X		66

Additional Comments:

VOCs by 8260
Total metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filtered
All samples on ice

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Ed Casey TTEC	4/6/07	1200	FED EX # 8612 8612 8035	4/6/07	1200
FedEx			[illegible]	4/7/07	[illegible]

SAMPLE CONDITION				
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
3	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Edward Casey

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 04/06/07

SEE REVERSE SIDE FOR INSTRUCTIONS

2

ALLQ020rev.3,31Mar05

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

Page: 2 of 2

1045010

Section A Required Client Information:

Company	Tetra Tech EC
Address	820 Town Center Dr Suite 100, Langhorne, Pa 19047
Email To:	Derek.Pinkham
Phone	215 702 4070
Fax	215 762 4045
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	Derek Pinkham
Copy To:	Derek Pinkam Langhorn, Pa 19047
Purchase Order No.:	
Project Name:	DSCP
Project Number:	217 XXX XXXX

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: VOCs 8260	Total Metals	Dissolved Metals	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	IW-13-01	WT	G			4/4/07	1504		3				X						X				07-02773-01
2	IW-13-02						1505		1			X								X			02
3	IW-13-03						1506		1			X									X		03
4	DW-13-01						1420		3				X						X				04
5	DW-13-02						1421		1			X								X			05
6	DW-13-03						1422		1			X									X		06
7	DW-13 DUP-01						1424		3				X						X				07
8	DW-13 DUP-02						1425		1			X								X			08
9	DW-13 DUP-03						1426		1			X									X		09
10	FB-01-01					4/5/07	1110		3				X						X				10
11	FB-01-02						1112		1			X								X			11
12	FB-01-03						1113		1			X									X		12

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Ed. Casey Tetra Tech	4/6/07	12:00	FEDEX # 8612 8612 8385	4/6/07	1200

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Edward Casey

SIGNATURE of SAMPLER: Edward Casey

DATE Signed (MM / DD / YY): 04/06/07

Additional Comments:

VOCs by 8260
Total metals by 6010/ICP
Dissolved Metals by 6010/ICP
Dissolved metals filtered
All samples on ice

SEE REVERSE SIDE FOR INSTRUCTIONS

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Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

May 8, 2007

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Dear Mr. Pinkham:

Enclosed are analytical results for samples submitted to Pace Analytical by Tetra Tech EC, Inc.. The samples were received on April 12, 2007. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 07-2889 when inquiring about this report.

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Pace Sample Identification	Client Sample Identification
0704-1929	MW-61-01 - 03
0704-1930	IW-09-01 - 03
0704-1931	DW-09-01 - 03

Pace Sample Identification	Client Sample Identification
0704-1932	PH-10-01 - 03
0704-1933	MW-20-01 - 03
0704-1934	MW-20D-01 - 03

General Comments: Cooler temperature 2 ° C upon receipt. Ice was present. This project was revised on 5/17/07 to add compounds to the volatile compound list.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Timothy P. Reed
Project Manager

TPR: jld

Enclosures

Page 1 of 13

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Lab Project ID: **07-2889**
Lab Sample ID: **0704-1929**
Client Sample ID: MW-61-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	30	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	6.8	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	39	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	7.4	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	JHC	04/23/2007	0060022-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Benzene	8260B(1)	6100	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloromethane	8260B(1)	22	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Ethylbenzene	8260B(1)	1100	500	ug/l	JHC	04/24/2007	0060053-1	<5.0

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Lab Sample ID: **0704-1929**
Client Sample ID: MW-61-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Toluene	8260B[1]	230	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
m,p-Xylene	8260B[1]	1200	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
o-Xylene	8260B[1]	<500	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
Xylenes (Total)	8260B[1]	1400	500	ug/l	JHC	04/24/2007	0060053-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Lab Project ID: **07-2889**
Lab Sample ID: **0704-1930**
Client Sample ID: IW-09-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	33	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	0.82	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	34	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	0.82	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	JHC	04/23/2007	0060022-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Benzene	8260B(1)	1100	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloromethane	8260B(1)	16	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0

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Lab Sample ID: **0704-1930**
Client Sample ID: IW-09-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	60	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Toluene	8260B[1]	22	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
m,p-Xylene	8260B[1]	39	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Xylenes (Total)	8260B[1]	41	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Mr. Derek Pinkham
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Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Lab Project ID: **07-2889**
Lab Sample ID: **0704-1931**
Client Sample ID: DW-09-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	2.4	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	6.5	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	2.8	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	6.7	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	JHC	04/23/2007	0060022-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0

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Client Sample ID: DW-09-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Lab Project ID: **07-2889**
Lab Sample ID: **0704-1932**
Client Sample ID: PH-10-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	33	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	0.36	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	35	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	0.39	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	JHC	04/23/2007	0060022-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Benzene	8260B(1)	27000	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloromethane	8260B(1)	44	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Ethylbenzene	8260B(1)	2200	500	ug/l	JHC	04/24/2007	0060053-1	<5.0

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Client Sample ID: PH-10-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Toluene	8260B[1]	700	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
m,p-Xylene	8260B[1]	3000	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
o-Xylene	8260B[1]	<500	500	ug/l	JHC	04/24/2007	0060053-1	<5.0
Xylenes (Total)	8260B[1]	3200	500	ug/l	JHC	04/24/2007	0060053-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Lab Project ID: **07-2889**
Lab Sample ID: **0704-1933**
Client Sample ID: MW-20-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	0.66	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	0.79	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	1.1	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	0.81	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	JHC	04/24/2007	0060053-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	JHC	04/24/2007	0060053-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	JHC	04/24/2007	0060053-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0

(Continued)

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Lab Sample ID: **0704-1933**
Client Sample ID: MW-20-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	JHC	04/24/2007	0060053-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXXX

Lab Project ID: **07-2889**
Lab Sample ID: **0704-1934**
Client Sample ID: MW-20D-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	40	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	6.5	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	40	0.050	mg/l	CS0	04/19/2007	0059707-1	<0.050
Manganese	6010B(1)	6.4	0.0050	mg/l	CS0	04/19/2007	0059707-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	JHC	04/23/2007	0060022-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	JHC	04/23/2007	0060022-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0

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Lab Sample ID: **0704-1934**
Client Sample ID: MW-20D-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	11	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	JHC	04/23/2007	0060022-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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May 8, 2007

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Dear Mr. Pinkham:

Enclosed are analytical results for samples submitted to Pace Analytical by Tetra Tech EC, Inc.. The samples were received on April 12, 2007. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 07-2894 when inquiring about this report.

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Pace Sample Identification	Client Sample Identification
0704-1979	IW-11-01 - 03
0704-1980	DW-11-01 - 03
0704-1981	PH-22-01 - 03
0704-1982	FB-02-01 - 03
0704-1983	IW-07-01 - 03
0704-1984	DW-07-01 - 03

Pace Sample Identification	Client Sample Identification
0704-1985	MW-62-01 - 03
0704-1986	DW-10-01 - 03
0704-1987	IW-10-01 - 03
0704-1988	MWS-1-01 - 03
0704-1989	DW-08-01 - 03
0704-1990	IW-08-01 - 03

General Comments: Cooler temperature 2 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Timothy P. Reed
Project Manager

TPR: jld

Enclosures

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1979**
Client Sample ID: IW-11-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	34	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	1.9	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	35	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	2.0	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	23000	1000	ug/l	EAC	04/20/2007	0059937-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	200	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Lab Sample ID: **0704-1979**
Client Sample ID: IW-11-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	220	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	1100	100	ug/l	EAC	04/20/2007		
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/20/2007		
Xylenes (Total)	8260B[1]	1200	100	ug/l	EAC	04/20/2007	0059937-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1980**
Client Sample ID: DW-11-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	49	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	1.4	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	48	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	1.4	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	710	100	ug/l	EAC	04/19/2007	0059892-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	27	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	84	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Lab Sample ID: **0704-1980**
Client Sample ID: DW-11-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	29	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	66	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	92	5.0	ug/l	EAC	04/19/2007		
o-Xylene	8260B[1]	19	5.0	ug/l	EAC	04/19/2007		
Xylenes (Total)	8260B[1]	110	5.0	ug/l	EAC	04/19/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1981**
Client Sample ID: PH-22-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	12	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	0.16	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	13	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	0.16	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	760	100	ug/l	EAC	04/19/2007	0059892-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	260	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Lab Sample ID: **0704-1981**
Client Sample ID: PH-22-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	61	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	310	5.0	ug/l	EAC	04/19/2007		
o-Xylene	8260B[1]	18	5.0	ug/l	EAC	04/19/2007		
Xylenes (Total)	8260B[1]	340	5.0	ug/l	EAC	04/19/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
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Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1982**
Client Sample ID: FB-02-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	<0.050	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	<0.0050	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	<0.050	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	<0.0050	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Lab Sample ID: **0704-1982**
Client Sample ID: FB-02-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1983**
Client Sample ID: IW-07-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	74	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	2.9	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	73	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	2.8	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Lab Sample ID: **0704-1983**
Client Sample ID: IW-07-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	73	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1984**
Client Sample ID: DW-07-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	9.8	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	4.2	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	11	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	4.3	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

(Continued)

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Lab Sample ID: **0704-1984**
Client Sample ID: DW-07-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	5.1	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1985**
Client Sample ID: MW-62-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	11	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	0.84	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	13	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	0.85	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	570	50	ug/l	EAC	04/19/2007	0059892-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Client Sample ID: MW-62-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	94	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	7.4	5.0	ug/l	EAC	04/19/2007		
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/19/2007		
Xylenes (Total)	8260B[1]	7.9	5.0	ug/l	EAC	04/19/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1986**
Client Sample ID: DW-10-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	29	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	3.5	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	33	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	3.7	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	14	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Lab Sample ID: **0704-1986**
Client Sample ID: DW-10-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	21	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	9.7	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Xylenes (Total)	8260B[1]	11	5.0	ug/l	EAC	04/18/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
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Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1987**
Client Sample ID: IW-10-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	30	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	0.57	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	31	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	0.61	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	31000	2500	ug/l	EAC	04/20/2007	0059937-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	58	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Client Sample ID: IW-10-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	150	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	190	5.0	ug/l	EAC	04/20/2007		
o-Xylene	8260B[1]	23	5.0	ug/l	EAC	04/20/2007		
Xylenes (Total)	8260B[1]	220	5.0	ug/l	EAC	04/20/2007	0059937-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1988**
Client Sample ID: MWS-1-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/09/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	54	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	1.1	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	56	0.050	mg/l	CS0	04/19/2007	0059660-1	<0.050
Manganese	6010B(1)	1.1	0.0050	mg/l	CS0	04/19/2007	0059660-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	2200	100	ug/l	EAC	04/19/2007	0059892-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	1500	100	ug/l	EAC	04/19/2007	0059892-1	<5.0

(Continued)

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Lab Sample ID: **0704-1988**
Client Sample ID: MWS-1-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	270	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	2300	100	ug/l	EAC	04/19/2007		
o-Xylene	8260B[1]	160	100	ug/l	EAC	04/19/2007		
Xylenes (Total)	8260B[1]	2500	100	ug/l	EAC	04/19/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1989**
Client Sample ID: DW-08-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	1.6	0.050	mg/l	CS0	04/20/2007	0059659-1	<0.050
Manganese	6010B(1)	5.4	0.0050	mg/l	CS0	04/20/2007	0059659-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	1.7	0.050	mg/l	CS0	04/20/2007	0059659-1	<0.050
Manganese	6010B(1)	5.4	0.0050	mg/l	CS0	04/20/2007	0059659-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

(Continued)

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Lab Sample ID: **0704-1989**
Client Sample ID: DW-08-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007		

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXXXXX

Lab Project ID: **07-2894**
Lab Sample ID: **0704-1990**
Client Sample ID: IW-08-01 - 03
Sample Matrix: Aqueous

Date Sampled: 04/10/2007
Date Received: 04/12/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B(1)	38	0.050	mg/l	CS0	04/20/2007	0059659-1	<0.050
Manganese	6010B(1)	5.8	0.0050	mg/l	CS0	04/20/2007	0059659-1	<0.0050
Trace Metals, Total, ICP								
Iron	6010B(1)	37	0.050	mg/l	CS0	04/20/2007	0059659-1	<0.050
Manganese	6010B(1)	5.7	0.0050	mg/l	CS0	04/20/2007	0059659-1	<0.0050

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acrolein	8260B(1)	<50	50	ug/l	EAC	04/18/2007	0059840-1	<50
Acrylonitrile	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
2-Chloroethylvinyl ether	8260B(1)	<10	10	ug/l	EAC	04/18/2007	0059840-1	<10
Chloroform	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0

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Lab Sample ID: **0704-1990**
Client Sample ID: IW-08-01 - 03

Volatiles (Cont.)

Methyl tert-butyl ether	8260B[1]	1100	100	ug/l	EAC	04/20/2007	0059937-1	<5.0
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Trichlorofluoromethane	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	EAC	04/18/2007	0059840-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/20/2007		
o-Xylene	8260B[1]	<5.0	5.0	ug/l	EAC	04/20/2007		
Xylenes (Total)	8260B[1]	<5.0	5.0	ug/l	EAC	04/20/2007	0059937-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1045011

Section A — Required Client Information:

Company:	Tetra Tech
Address:	820 Town Center Dr Suite 100, Langhorne Pa 19047
Email To:	Derek Pinkham
Phone: 215 702 4070	Fax: 215 702 4045
Requested Due Date/TAT:	

Section B — Required Project Information:

Report To:	Derek Pinkham
Copy To:	"
Purchase Order No.:	
Project Name:	DSCP
Project Number:	2277xxxxxxx

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☒ OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Filtered (Y/N) — Requested Analysis: VOCs 8260; Total Metals; Dissolved Metals; Residual Chlorine (Y/N)

Pace Project Number: 07-02894

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Total Metals	Dissolved Metals	Residual Chlorine (Y/N)	Lab I.D.
1	IW-11-01	WT	G			4/6/07	1407		3				X					X			2	04-1979
2	IW-11-02	↓	↓			↓	1408		1			X							X		3	
3	IW-11-03						1409		1			X								X	3	
4	DW-11-01						1325		3				X					X			2	
5	DW-11-02						1326		1			X							X		3	04-1980
6	DW-11-03						1327		1			X								X	2	
7	PH-22-01						1445		3				X					X			2	
8	PH-22-02						1446		1			X							X		3	04-1981
9	PH-22-03					↓	1447		1			X								X	3	
10	FB-02-01					4/9/07	0826		3				X					X			2	
11	FB-02-02					↓	0827		1			X							X		3	04-1982
12	FB-02-03	↓	↓				0828		1			X								X	3	

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Amy Parsons TTEC	4/11/07	1400	FedEx # 8012 8012 8024	4/11/07	1400
fedex			[illegible]	4/12/07	0935

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
2	Y	Y	Y
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amy Parsons

SIGNATURE of SAMPLER: Amy Parsons

DATE Signed (MM/DD/YY): 4/11/07

Additional Comments:

VOCs by 8260
Total Metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filtered
All samples on ice

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1045012

Section A
Required Client Information:

Company:	Tetra Tech EC
Address:	820 Town Centre Dr Langhorne, Pa 19047
Email To:	Derek Pinkham
Phone:	215 702 4070
Fax:	215 702 4045
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	Derek Pinkham
Copy To:	"
Purchase Order No.:	
Project Name:	DSCP
Project Number:	22T7XXXXXXX

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION

☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC
☐ OH ☐ SC ☐ WI ☒ OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	VOCs 8260	Total Metals	Dissolved Metals	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	IW-07-01	WT	G			4/9/07	0947		3				X						X				04-02894
2	IW-07-02						0948		1			X								X			04-1983
3	IW-07-03						0949		1			X									X		
4	DW-07-01						1029		3				X						X				
5	DW-07-02						1030		1			X								X			04-1984
6	DW-07-03						1031		1			X									X		
7	MW-62-01						1124		3				X						X				
8	MW-62-02						1125		1			X								X			04-1985
9	MW-62-03						1126		1			X									X		
10	DW-10-01						1327		3				X						X				
11	DW-10-02						1328		1			X								X			04-1986
12	DW-10-03						1329		1			X									X		

Additional Comments:

VOCs by 8260
Total metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filtered
All samples on ice

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Amy Hansen TTEC	4/11/07	1400	FED EX # 8612 8612 8024	4/11/07	1400
				"	"
Fedex			[signature]	4/12/07	0935

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
2	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amy Hansen

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 4/11/07

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 3

1045009

Section A Required Client Information:

Company: Tetra Tech EC
Address: 820 Town Center Dr. Langhorne, Pa 19047
Email To: Derek Pinkham
Phone: 215 702 4070 Fax: 215 702 4045
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Derek Pinkham
Copy To: "
Purchase Order No.:
Project Name: BSCP
Project Number: 2277 XXXX XXXX

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☒ OTHER PA

Filtered (Y/N)
Requested Analysis: VOCs 8260 | Total Metals | Dissolved Metals | Residual Chlorine (Y/N)

Pace Project Number: 07-C2894

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

SAMPLE ID — One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Total Metals	Dissolved Metals	Lab I.D.
1	IW-10-01	WT	G			4/9/07	1408		3				X					X			
2	IW-10-02						1409		1			X							X		04-1987
3	IW-10-03						1410		1			X								X	
4	MWS-1-01						1500		3				X					X			
5	MWS-1-02						1501		1			X							X		04-1988
6	MWS-1-03						1502		1			X								X	
7	DW-08-01					4/10/07	~~1048~~ 1047		3				X					X			
8	DW-08-02						1048		1			X							X		04-1989
9	DW-08-03						1049		1			X								X	
10	IW-08-01						~~1128~~ 1127		3				X					X			
11	IW-08-02						1128		1			X							X		04-1990
12	IW-08-03						1129		1			X								X	

Additional Comments:

VOCs by 8260
Total Metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filtered
all samples on ice

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Amy Parsons TTEC	4/11/07	1400	FEDEX # 860128012 8624	4/11/07	1400	
				"		
fedex			[illegible]	4/12/07	0935	2

SAMPLER NAME AND SAMPLE SIGNATURE

PRINT Name of SAMPLER: Amy B Parsons
SIGNATURE of SAMPLER: [signature]
DATE Signed (MM/DD/YY): 4/11/07

Sample condition: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SEE REVERSE SIDE FOR INSTRUCTIONS

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Phone: 724.733.1161
Fax: 724.327.7793

April 24, 2007

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Dear Mr. Pinkham:

Enclosed are analytical results for samples submitted to Pace Analytical by Tetra Tech EC, Inc.. The samples were received on April 7, 2007. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 07-2792 when inquiring about this report.

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Pace Sample Identification	Client Sample Identification
0704-1340	DW-03-01
0704-1341	DW-03-02
0704-1342	DW-03-03
0704-1343	IW-03-01
0704-1344	IW-03-02
0704-1345	IW-03-03
0704-1346	IW-03DUP-01
0704-1347	IW-03DUP-02
0704-1348	IW-03DUP-03
0704-1349	DW-04-01
0704-1350	DW-04-02
0704-1351	DW-04-03
0704-1352	CSX-07-01
0704-1353	CSX-07-02
0704-1354	CSX-07-03
0704-1355	DW-05-01
0704-1356	DW-05-02

Pace Sample Identification	Client Sample Identification
0704-1357	DW-05-03
0704-1358	IW-05-01
0704-1359	IW-05-02
0704-1360	IW-05-03
0704-1361	CSX-05-01
0704-1362	CSX-05-02
0704-1363	CSX-05-03
0704-1364	IW-01-01
0704-1365	IW-01-02
0704-1366	IW-01-03
0704-1367	DW-01-01
0704-1368	DW-01-02
0704-1369	DW-01-03
0704-1370	MW-23A-01
0704-1371	MW-23A-02
0704-1372	MW-23A-03

General Comments: Cooler temperature 3° C upon receipt. Ice was present.

REPORT OF LABORATORY ANALYSIS

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Fax: 724.327.7793

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Timothy P. Reed
Project Manager

TPR: jld

Enclosures

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Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1340**
Client Sample ID: DW-03-01
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<2000	2000	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	9100	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<2000	2000	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<2000	2000	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<2000	2000	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Phone: 724.733.1161
Fax: 724.327.7793

Lab Sample ID: **0704-1340**
Client Sample ID: DW-03-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1341**
Client Sample ID: DW-03-02
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	18	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.96	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1342**
Client Sample ID: DW-03-03
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	18	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.96	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

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Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1343**
Client Sample ID: IW-03-01
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

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Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Lab Sample ID: **0704-1343**
Client Sample ID: IW-03-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1344**
Client Sample ID: IW-03-02
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	0.22	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.23	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1345**
Client Sample ID: IW-03-03
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	0.13	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.24	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1346**
Client Sample ID: IW-03DUP-01
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1346**
Client Sample ID: IW-03DUP-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1347**
Client Sample ID: IW-03DUP-02
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	0.20	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.24	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1348**
Client Sample ID: IW-03DUP-03
Sample Matrix: Aqueous

Date Sampled: 04/06/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	0.12	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.24	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1349**
Client Sample ID: DW-04-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	24	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1349**
Client Sample ID: DW-04-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1350**
Client Sample ID: DW-04-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	33	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	7.4	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1351**
Client Sample ID: DW-04-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	32	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	7.1	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1352**
Client Sample ID: CSX-07-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	12	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	380	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	11	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	12	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	9.3	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

(Continued)

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Lab Sample ID: **0704-1352**
Client Sample ID: CSX-07-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	21	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1353**
Client Sample ID: CSX-07-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	12	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.56	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1354**
Client Sample ID: CSX-07-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	9.8	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.56	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1355**
Client Sample ID: DW-05-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	160	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1355**
Client Sample ID: DW-05-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1356**
Client Sample ID: DW-05-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	6.0	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	7.5	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1357**
Client Sample ID: DW-05-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	6.3	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	7.5	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1358**
Client Sample ID: IW-05-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	44	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	42	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1358**
Client Sample ID: IW-05-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1359**
Client Sample ID: IW-05-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	3.4	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	3.6	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1360**
Client Sample ID: IW-05-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	3.3	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	3.6	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1361**
Client Sample ID: CSX-05-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	2400	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<1000	1000	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1361**
Client Sample ID: CSX-05-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<500	500	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1362**
Client Sample ID: CSX-05-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	26	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.46	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1363**
Client Sample ID: CSX-05-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	24	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	0.43	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1364**
Client Sample ID: IW-01-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	10	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	88	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	45	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1364**
Client Sample ID: IW-01-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	23	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1365**
Client Sample ID: IW-01-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	26	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	4.6	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1366**
Client Sample ID: IW-01-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	25	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	4.5	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1367**
Client Sample ID: DW-01-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B(1)	260	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B(1)	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B(1)	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

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Lab Sample ID: **0704-1367**
Client Sample ID: DW-01-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1368**
Client Sample ID: DW-01-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	11	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	7.0	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1369**
Client Sample ID: DW-01-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	10	0.050	mg/l	CS0	04/11/2007	0059459-1	<0.050
Manganese	6010B[1]	6.9	0.0050	mg/l	CS0	04/11/2007	0059459-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

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Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1370**
Client Sample ID: MW-23A-01
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
Acetone	8260B[1]	14	10	ug/l	JHC	04/15/2007	0059775-1	<10
Benzene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromodichloromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromoform	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Bromomethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Butanone	8260B[1]	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Carbon Disulfide	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Carbon Tetrachloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chlorobenzene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloroform	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Chloromethane	8260B[1]	14	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Dibromochloromethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethane	8260B[1]	7.1	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1-Dichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,2-Dichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,2-Dichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,2-Dichloropropane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
cis-1,3-Dichloropropene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
trans-1,3-Dichloropropene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Ethylbenzene	8260B[1]	14	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
2-Hexanone	8260B[1]	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methyl tert-butyl ether	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
4-Methyl-2-pentanone	8260B[1]	<10	10	ug/l	JHC	04/15/2007	0059775-1	<10
Methylene chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Styrene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2,2-Tetrachloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Tetrachloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Toluene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

(Continued)

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Lab Sample ID: 070[illegible]1370
Client Sample ID: MW-23A-01

Volatiles (Cont.)

1,1,1-Trichloroethane	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
1,1,2-Trichloroethane	8260B[1]	11	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Trichloroethene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
Vinyl chloride	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
m,p-Xylene	8260B[1]	18	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0
o-Xylene	8260B[1]	<5.0	5.0	ug/l	JHC	04/15/2007	0059775-1	<5.0

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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www.pacelabs.com

Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1371**
Client Sample ID: MW-23A-02
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Total, ICP								
Iron	6010B[1]	35	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.9	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Pace Analytical Services, Inc.
5203 Triangle Lane
Export, PA 15632
Phone: 724.733.1161
Fax: 724.327.7793

Mr. Derek Pinkham
Tetra Tech EC, Inc.
820 Town Center Drive
Suite 100
Langhorne, PA 19047

Client Site: Defense Supply Center
Client Ref.: 2277 XXXX XXXX

Lab Project ID: **07-2792**
Lab Sample ID: **0704-1372**
Client Sample ID: MW-23A-03
Sample Matrix: Aqueous

Date Sampled: 04/03/2007
Date Received: 04/07/2007

Metals

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Trace Metals, Dissolved, ICP								
Iron	6010B[1]	21	0.050	mg/l	CS0	04/11/2007	0059460-1	<0.050
Manganese	6010B[1]	1.8	0.0050	mg/l	CS0	04/11/2007	0059460-1	<0.0050

[1] U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

10450I3

Section A
Required Client Information:

Company: EnviroTech EC
Address: 820 Town Center Dr
Langhorne PA 19047
Email To: Derek.Ankrom@
Phone: 215 702 4070 Fax: 215 702 4045
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Derek Ankrom
Copy To:
Purchase Order No.:
Project Name: DSCP
Project Number: 22777XXXXXXX

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION

☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC
☐ OH ☐ SC ☐ WI ☐ OTHER PA

Section D
Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: Was 8260	Total metals	Dissolved Metals	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	DW-03-01	WT	G			9/6/07	0832		3				X						X				24-1340
2	DW-03-02						0834		1			X								X			41
3	DW-03-03						0835		1			X									X		42
4	IW-03-01						0915		3				X						X				43
5	IW-03-02						0917		1			X								X			44
6	IW-03-03						0918		1			X									X		45
7	IW-03DUP-01						0920		3				X						X				46
8	IW-03DUP-02						0921		1			X								X			47
9	EW-03DUP-03						0922		1			X									X		48
10																							
11																							
12																							

Additional Comments:

Was by 8260
Total metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filtered
all samples on ice

SEE REVERSE SIDE FOR INSTRUCTIONS

RELINQUISHED BY / AFFILIATION	DATE	TIME
Ed Casey EnviroTech	9/6/07	1200

ACCEPTED BY / AFFILIATION	DATE	TIME
FedEx 8612 8012 8013	9/6/07	1200
	9/7/07	0855

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: EDWARD CASEY
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 09/06/07

SAMPLE CONDITION

	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		Y/N	Y/N	Y/N
	3	(Y) N	(Y) N	(Y) N
		Y/N	Y/N	Y/N

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

Page: 2 of 3

1045001

Section A Required Client Information:

Company	Tetra Tech EL
Address	820 Town Center Dr
	Langhorne PA. 19047
Email To:	Derek Pinkham
Phone	215 702 4070
Fax	215 702 4045
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Derek Pinkham
Copy To:	Derek Pinkham
	Langhorne PA 19047
Purchase Order No.:	
Project Name:	DSCP
Project Number:	2277 XXXX XXXX

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Filtered (Y/N)

Requested Analysis: VOCs 8260; Total Metals; Dissolved Metals

Pace Project Number: 07-00792

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Total Metals	Dissolved Metals	Residual Chlorine (Y/N)	Lab I.D
1	DW-04-01	W	G			4/3/07	1136		3				X					X				04-7349
2	DW-04-02	↓	↓			↓	1139		1			X							X			50
3	DN-04-03						1140		1			X								X		51
4	CSX-07-01						1109		3				X					X				52
5	CSX-07-02						1110		1			X							X			53
6	CSX-07-03						1115		1			X								X		54
7	DW-05-01						1420		3				X					X				55
8	DW-05-02						1424		1			X							X			56
9	DW-05-03						1426		1			X								X		57
10	IW-05-01						1457		3				X					X				58
11	IW-05-02						1459		1			X							X			59
12	IW-05-03	↓	↓			↓	1500		1			X								X		60

Additional Comments:
VOC's by 8260
Total Metals by 6010/ICP
Dissolved Metal by 6010/ICP

Dissolved Metals Filtered
All Samples on ICE

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
E. Casey Tieci	4/4/07	1200	FedEx 8612 8012 9024		
FedEx			[illegible]	4/5/07	12:00

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
3	(Y)/N	(Y)/N	(Y)/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Edward Casey

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM / DD / YY): [illegible]

SEE REVERSE SIDE FOR INSTRUCTIONS

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical

Page: 3 of 3

1045062

Section A Required Client Information:

- Company: Tetra Tech Eo
- Address: 820 Town Center Dr Suite 100, Langhorne Pa 19047
- Email To: Derek Pinkham
- Phone: 215 702 4070 Fax: 215 702 4045
- Requested Due Date/TAT: standard

Section B Required Project Information:

- Report To: Derek Pinkham
- Copy To: Derek Pinkham Langhorne, Pa 19047
- Purchase Order No.:
- Project Name: DSCP
- Project Number: 2277 XXXX XXXX

Section C Invoice Information:

- Attention:
- Company Name:
- Address:
- Pace Quote Reference:
- Pace Project Manager:
- Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ MN ☐ NC ☐ OH ☐ SC ☐ WI ☒ OTHER PA

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Filtered (Y/N) — Requested Analysis: VOCs 8260; Total Metals; Dissolved Metals; Residual Chlorine (Y/N)

Pace Project Number: 07-02792

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs 8260	Total Metals	Dissolved Metals	Residual Chlorine (Y/N)	Lab I.D.
1	CSX-05-01	WT	G			4/5/07	1540		3				X					X				04-1361
2	CSX-05-02						1548		1			X							X			62
3	CSX-05-03						1549		1			X								X		63
4	IW-01-01						1711		3				X					X				64
5	IW-01-02						1713		1			X							X			65
6	IW-01-03						1714		1			X								X		66
7	DW-01-01						1741		3				X					X				67
8	DW-01-02						1743		1			X							X			68
9	DW-01-03						1744		1			X								X		69
10	MW-23A-01						1825		3				X					X				70
11	MW-23A-02						1827		1			X							X			71
12	MW-23A-03						1828		1			X								X		72

Additional Comments:

VOCs by 8260
Total metals by 6010/ICP
Dissolved metals by 6010/ICP
Dissolved metals filtered
All samples on ice

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
E. Casey / Tteci	4/6/07	1200	Fed Ex # 861280128803	4/6/07	1200
fedex			[illegible]	4/7/07	[illegible]

SAMPLE CONDITION

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
3	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Edward Casey

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 04/06/07

SEE REVERSE SIDE FOR INSTRUCTIONS

ALLQ020rev.3,31Mar05