

**CONSENSUS FOR NO FURTHER INVESTIGATION  
SIGNATURE PAGE**

**ENTECH GD5 – Front of Building 27**

United States Department of Agriculture (USDA) Agricultural Research Service (ARS)  
Former Glenn Dale Plant Introduction Station  
Glenn Dale, Maryland

USDA ARS has prepared this Decision Document (DD) for the ENTECH GD5 Area of Concern (AOC) at the Former Glenn Dale Plant Introduction Station in Glenn Dale, Maryland. Based upon a review of available information, ENTECH GD5 requires no further investigation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended. As appropriate, constituent concentrations, pathways, and receptors were evaluated by comparing analytical data, conducting human health and ecological risk evaluations, reviewing historical site data, and applying best professional judgment. In the event that contamination posing an unacceptable risk to human health or the environment is discovered after execution of this document, USDA ARS will re-evaluate ENTECH GD5 as deemed necessary.

Contracting Officer's Representative II

\_\_\_\_\_  
Authorized ARS Manager    Date  
USDA ARS

## **ENTECH GD5 – Front of Building 27**

### **Decision Document**

#### **1.0 Introduction**

This Decision Document (DD) addresses the ENTECH GD5 Area of Concern (AOC) at the Former Glenn Dale Plant Introduction Station in Glenn Dale, Maryland. The DD describes the history of the ENTECH GD5 site, summarizes key findings from a review of available documents from 2000 through 2017, and recommends a site management decision based on document review and investigation findings.

Although the Glenn Dale facility is not subject to the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), environmental investigations and actions were completed by the United States Department of Agriculture (USDA) Agricultural Research Service (ARS) to be consistent with CERCLA and the National Contingency Plan (NCP).

#### **2.0 Installation and Site Description and Operational History**

The former Glenn Dale Plant Introduction Station, inactive since its closure in 2008, is located at 11601 Old Pond Drive, Glenn Dale, Maryland in Prince George's County. The facility is situated approximately five (5) miles southeast of the Beltsville Agricultural Research Center (BARC) and sixteen (16) miles northeast of Washington, District of Columbia (D.C.). Figure 1 shows the Glenn Dale location map. Glenn Dale consists of approximately seventy (70) acres of primarily orchards and wooded land with buildings and greenhouses located in the northern portion of the facility. It is surrounded by residential areas, farmland, and the abandoned Glenn Dale Hospital to the southwest, which was closed in 1981.

A total of 11 AOCs have been identified at the Glenn Dale facility. The ENTECH GD5 AOC, also referred to as the "Front of Building 27" (Figure 2), was first identified during the 1997 Desktop Data Collection Study through interviews with Glenn Dale personnel (ENTECH, Inc., 1998). The AOC is located on both sides of the steps outside the entrance door of Building 27 and is mostly comprised of open walking space within the thick overgrowth surrounding the building and adjacent greenhouses. Glenn Dale personnel indicated that chemicals, including chloroform, butanol, ether, alcohols, sulfuric acid, and various other acids, were routinely disposed of by dumping directly onto the ground outside the front of Building 27. This practice reportedly occurred between 1965 and 1975.

#### **3.0 Investigation History**

Since 1991, many environmental reports were prepared for the Glenn Dale facility. Two (2) primary reports are relevant to the environmental evaluation of the ENTECH GD5

AOC: the 2000 Site Inspection (SI) Report (ENTECH, Inc., 2000) and the 2017 Supplemental Site Investigation (SSI) Report (BMT, 2017).

#### **4.0 Document Review**

The following documents were reviewed as part of the preparation of this DD for the ENTECH GD5 AOC:

- ENTECH, Inc., 2000. *Site Inspection Report for the Glenn Dale Plant Introduction Station, Glenn Dale, Maryland*. May.
- BMT, 2017. *Supplemental Site Investigation Report for the ENTECH GD5 AOC (Front of Building 27)*, September.

#### **4.1 2000 Site Inspection Report for the Glenn Dale Plant Introduction Station**

The purpose of the SI was to collect additional information to address data gaps, evaluate migration pathways, and provide the information necessary to complete a more detailed Hazard Ranking System (HRS) scoring package for identified AOCs at Glenn Dale. The scope of work included collecting representative soil, surface water, sediment, and groundwater samples at the eleven (11) identified AOCs and preparing an updated HRS scoring package to determine if the site warranted cleanup under CERCLA.

Due to the chemical disposal practices described by Glenn Dale personnel, surface and subsurface soil samples were collected in front of Building 27 to determine if residual contamination was present in soil. Two (2) soil borings were advanced using a Geoprobe® and one surface soil sample (zero [0] to three [3] inches below ground surface (bgs) interval) and one subsurface soil sample (twelve [12] to twenty-four [24] inches bgs interval) were collected from each boring. Figure 3 shows the SI soil sampling locations. Surface soil samples were analyzed for target analyte list (TAL) metals and target compound list (TCL) organics (pesticides, semivolatile organic compounds [SVOCs], and polychlorinated biphenyls [PCBs]). Subsurface soil samples were analyzed for TAL metals and the full range of TCL organics (same as above along with volatile organic compounds [VOCs]).

During the SI, detected concentrations of TAL metals and pesticides in soil were considered exceedances if they were higher than three (3) times their maximum background values. For all other chemicals in soil, they were considered exceedances if their detected concentrations were higher than their laboratory detection limits.

## Soil

Twenty (20) TAL metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, vanadium, and zinc) were detected in surface and subsurface soil samples. In surface soil, arsenic and lead were detected at concentrations exceeding three (3) times their maximum background values. In subsurface soil, only selenium exceeded three (3) times its maximum background value.

Four (4) pesticides (4,4'-dichlorodiphenyltrichloroethane [4,4'-DDT], 4,4'-dichlorodiphenyldichloroethylene [4,4'-DDE], alpha-chlordane, and gamma-chlordane) were detected in surface soil and only alpha-chlordane and gamma-chlordane exceeded three (3) times their maximum background values. No pesticides were detected in subsurface soil.

Ten (10) SVOCs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzoic acid, bis[2-ethylhexyl]phthalate, chrysene, fluoranthene, phenanthrene, and pyrene) were detected in surface soil. All exceeded their respective laboratory detection limits. No SVOCs were detected in subsurface soil.

No PCBs or VOCs were detected in surface and subsurface soil. Table 1 presents the SI soil analytical results.

### 4.2 2017 Supplemental Site Investigation Report for the ENTECH GD5 AOC

In 2017, supplemental environmental investigations were completed for five (5) Glenn Dale AOCs, including the ENTECH GD5 AOC. The purpose of the SSI was to further delineate soil contamination found during the SI. In addition, the purpose of groundwater sampling during the SSI was to determine if contamination had leached through the soil and into the water table (BMT, 2017).

Four (4) soil borings were advanced to a maximum depth of two (2) feet bgs using hand auger. Surface soil samples from these four (4) borings were collected from the zero (0) to twelve (12) inches bgs interval. Subsurface soil samples also were collected from these four (4) borings, but from the twelve (12) to twenty-four (24) inches bgs interval. One (1) additional boring (ENG5-SS05) was advanced to twelve (12) feet bgs using Geoprobe® and a surface (zero [0] to twelve [12] inches bgs) and a subsurface (twelve [12] to twenty-four [24] inches bgs) soil sample were collected. All soil samples were analyzed for TAL metals (including mercury), organochloride (OC) pesticides, and SVOCs.

Groundwater samples, both filtered and unfiltered, were collected from two (2) Geoprobe® temporary monitoring well points. One (1) temporary monitoring well point (ENG5-GW01) was installed at boring ENG5-SS05 down to twelve (12) feet bgs.

The other temporary monitoring well point (ENGD5-GW02) also was installed down to twelve (12) feet bgs like ENGD5-GW01, but no soil samples were collected from it. All groundwater samples were analyzed for TAL metals (including mercury), OC pesticides, and SVOCs. Figure 4 shows the SSI soil and groundwater sampling locations.

## **Soil**

Twenty (20) TAL metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, vanadium, and zinc) were detected in surface soil. Arsenic exceeded its regional screening level (RSL) of 0.68 mg/kg in all five surface soil samples. Lead exceeded its RSL of 400 mg/kg in one surface soil sample.

Eighteen (18) TAL metals (aluminum, arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, vanadium, and zinc) were detected in subsurface soil. Arsenic exceeded its RSL of 0.68 mg/kg in all five subsurface soil samples.

Three (3) OC pesticides (4,4'-dichlorodiphenyldichloroethane [4,4'-DDD], 4,4'-DDE, and 4,4'-DDT) were detected in surface soil. Two (2) OC pesticides (4,4'-DDE and 4,4'-DDT) were detected in subsurface soil. No OC pesticides exceeded their respective RSLs in surface and subsurface soil samples.

Seventeen (17) SVOCs (azobenzene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, benzoic acid, bis[2-ethylhexyl]phthalate, carbazole, chrysene, dibenzo[a,h]anthracene, dibenzofuran, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene) were detected in surface soil; however, none exceeded their respective RSLs. In addition, no SVOCs were detected in subsurface soil.

Tables 2, 3, and 4 present the SSI soil analytical results for TAL metals, OC pesticides, and SVOCs, respectively.

## **Groundwater**

Nine (9) filtered (i.e. dissolved) TAL metals (arsenic, calcium, iron, magnesium, manganese, potassium, selenium, sodium, and zinc) were detected in groundwater samples. None of these detections exceeded their respective maximum contaminant levels (MCLs).

Eighteen (18) unfiltered (i.e. total) TAL metals (aluminum, arsenic, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, sodium, selenium, vanadium, and zinc) were detected in groundwater. Three (3) total metals, arsenic, chromium, and lead, exceeded their MCLs of 0.01 mg/L,

0.1 mg/L, and 0.015 mg/L, respectively. These exceedances were only present in sample ENGD5-GW01@8.4'.

No OC pesticides and SVOCs were detected in groundwater samples. Tables 5, 6, and 7 present the SSI groundwater metals, OC pesticides, and SVOCs analytical results, respectively.

## **5.0 Summary of Key Findings**

The analytical data collected from the various site investigations were screened to estimate potential human health risks. Lead exceeded three (3) times its maximum background value in surface soil during the 2000 SI but did not exceed its RSL during the 2017 SSI. During the 2000 SI, arsenic exceeded three (3) times its maximum background values in surface soil. During the 2017 SSI, arsenic in surface and subsurface soil exceeded its RSL. Arsenic in soil does not represent a source release because the range of detections from the 2017 SSI is comparable to the regional background for arsenic (up to 20 mg/kg) (ATSDR, 2015). In addition, human receptor exposure to arsenic in soil is low.

## **6.0 Recommendations**

No further investigation or remedial action is recommended for the ENTECH GD5 AOC under CERCLA. Risk screening results show that human health receptor exposure risks are acceptable at this AOC.

## **7.0 References**

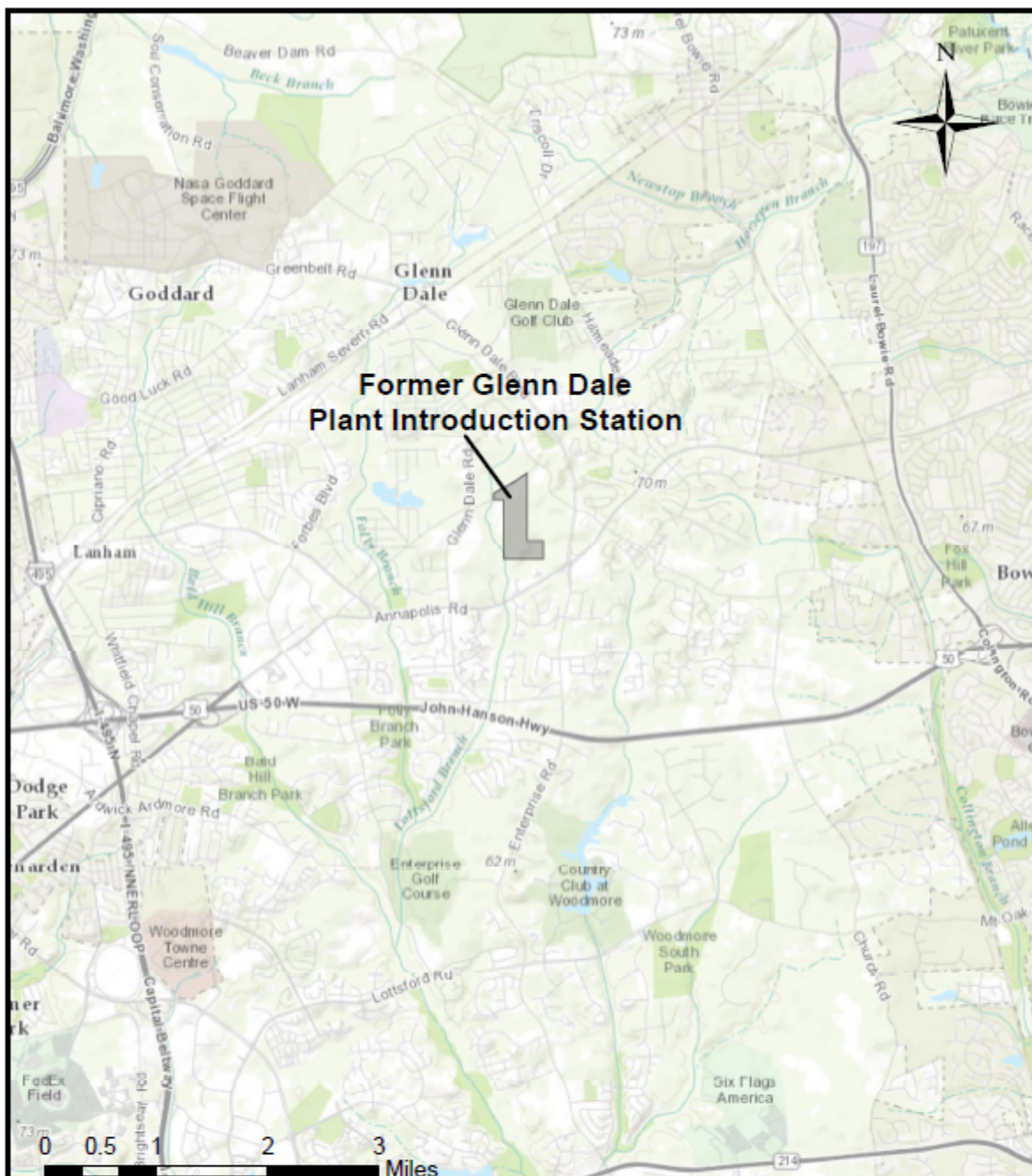
Agency for Toxic Substances and Disease Registry (ATSDR) 2015, *Spring Valley*, accessed 17 September 2020,  
<<https://www.atsdr.cdc.gov/sites/springvalley/svgardening.html>>

BMT, 2017. *Supplemental Site Investigation Report for the ENTECH GD5 AOC (Front of Building 27)*, September.

ENTECH, Inc., 1998. *Desktop Data Collection Report: Glenn Dale Facility, Glenn Dale, Maryland*, May.

ENTECH, Inc., 2000. *Site Inspection Report for the Glenn Dale Plant Introduction Station, Glenn Dale, Maryland*. May.

ENTECH GD5 – Front of Building 27  
**Figures**



**Figure 1**

**Location of the Former Glenn Dale Plant Introduction Station  
Glenn Dale, Maryland**



**BMT** Designers & Planners

**Legend**

 Former Glenn Dale Plant Introduction Station Facility Outline

Location of Glenn Dale Facility  
in Prince George's County, Maryland



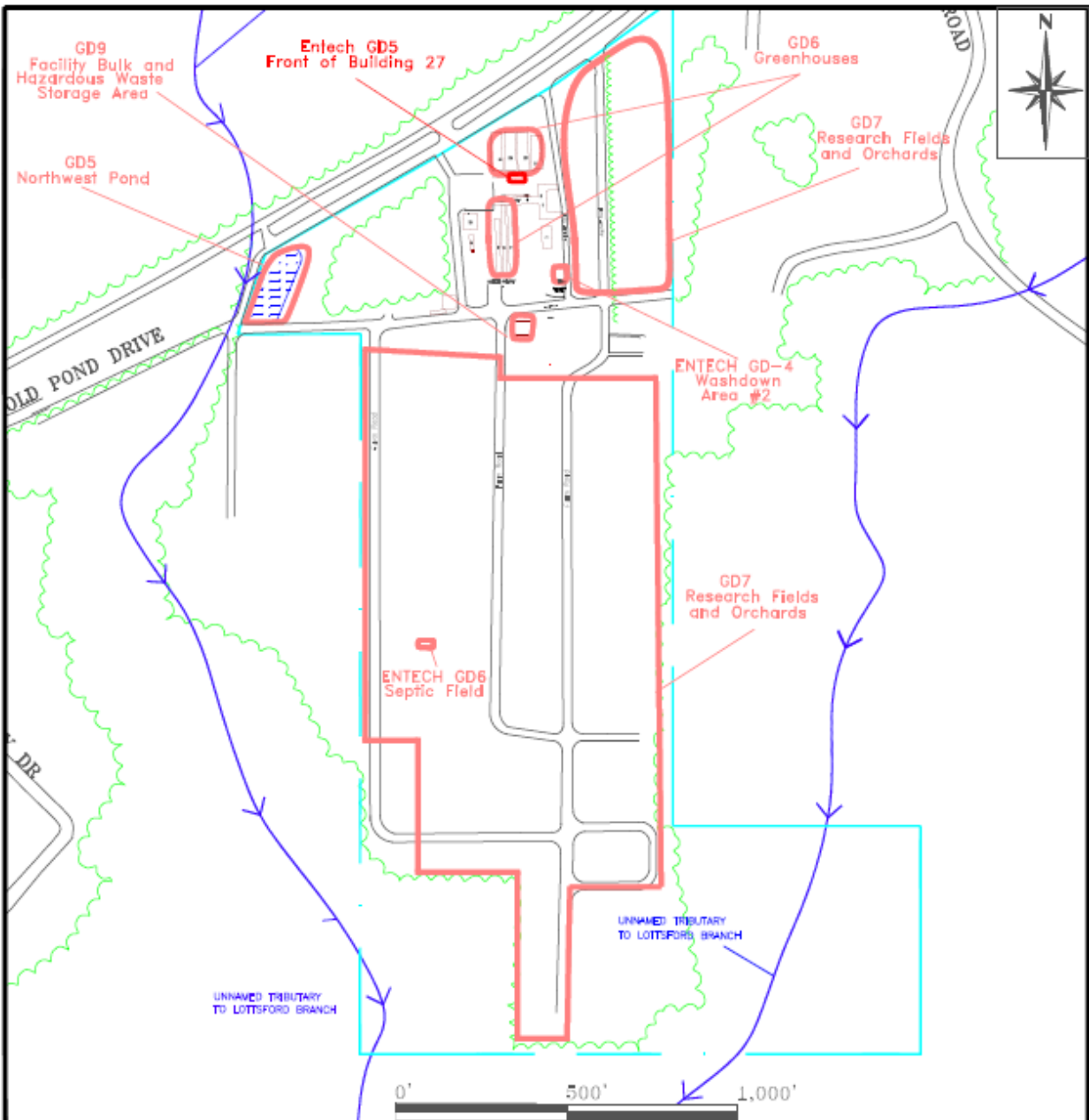


FIGURE 2

Former Glenn Dale Plant Introduction Station  
Entech GD5 — Front of Building 27  
Glenn Dale Facility Site Map

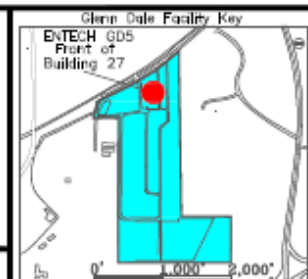


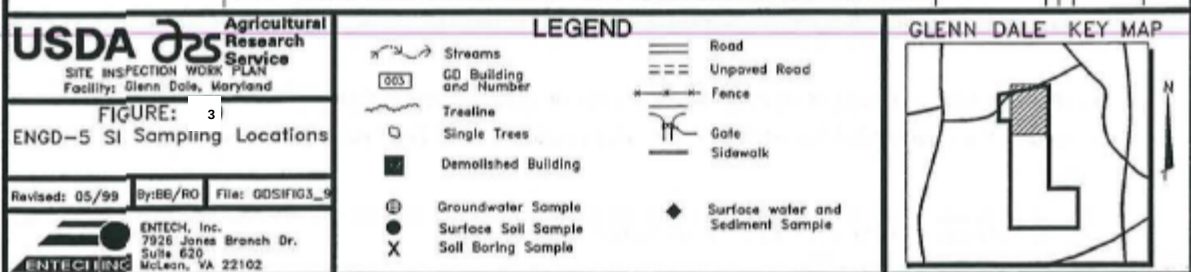
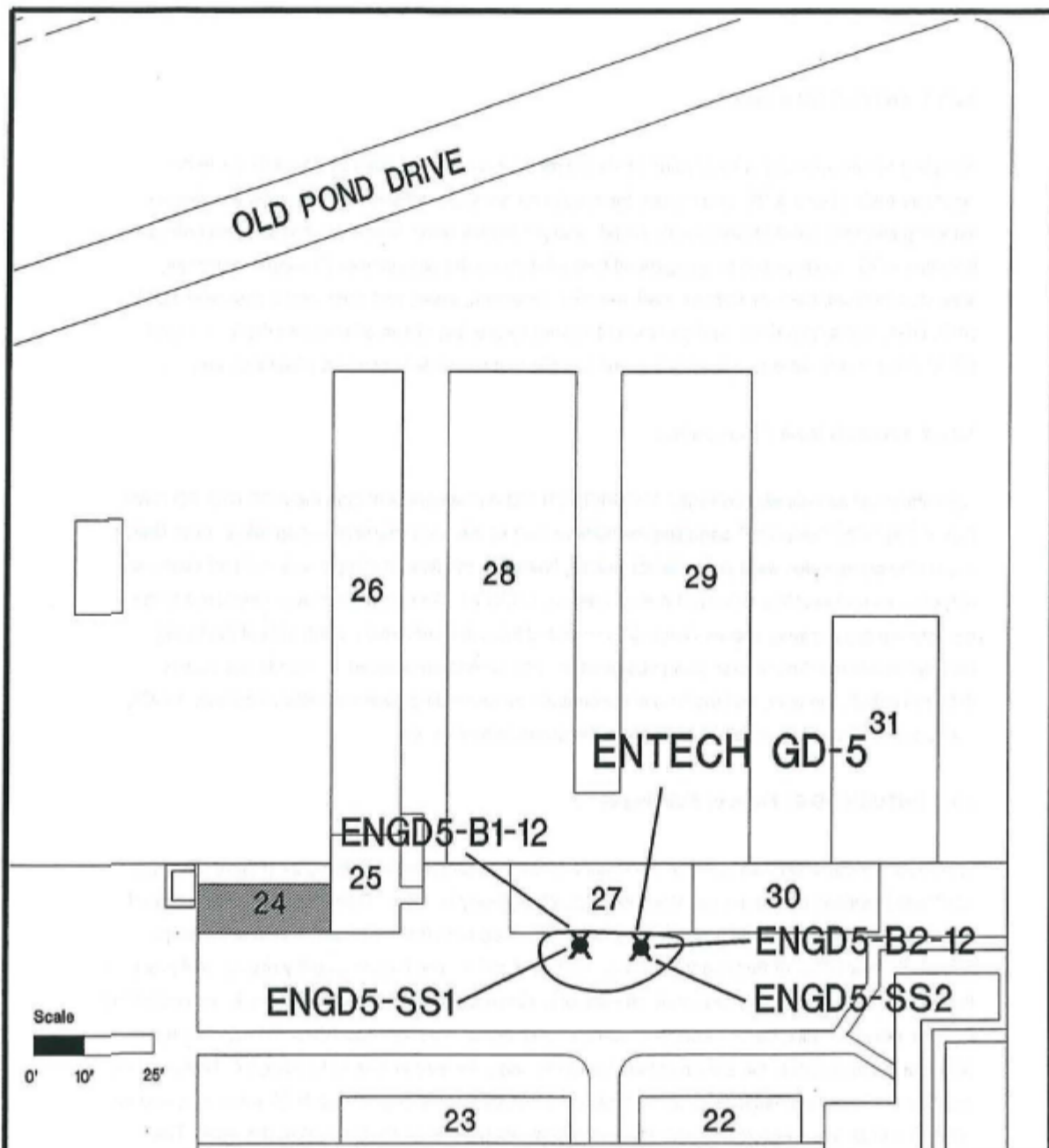
**BMT** Designers & Planners

#### LEGEND

- Facility Boundary
- AGC Boundary
- Current Building
- Road
- Stream
- Treeline

Date: September 2017





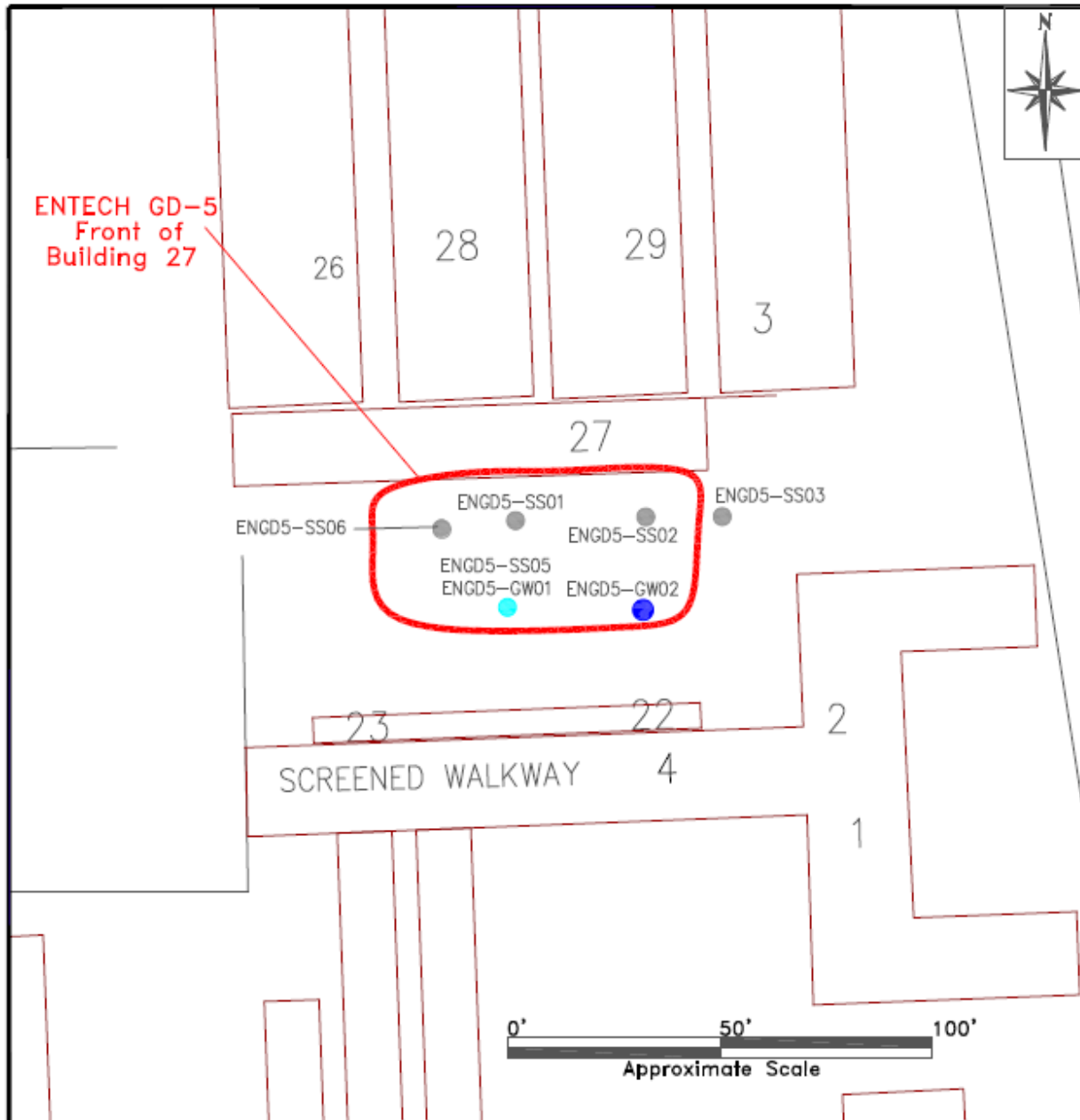
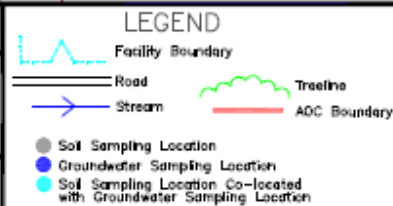


FIGURE 4

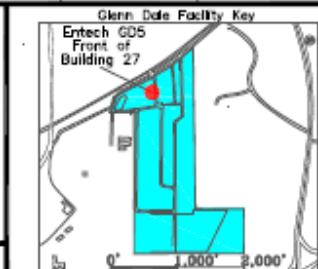
Former Glenn Dale Plant Introduction Station  
Entech GD5 - Front of Building 27  
Soil and Groundwater Sample Locations



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Date: September 2017



ENTECH GD5 – Front of Building 27  
**Tables**

**Table 1**  
**ENTECH GD5 Soil Sampling Results (9/14/98) from the Site Inspection Report**  
**Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**  
(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – May 2000)

| Field Sample I.D.                 | ENGD5-SS1 | ENGD5-SS2 | ENGD5-B1-12 | ENGD5-B2-12 |
|-----------------------------------|-----------|-----------|-------------|-------------|
| Date Collected                    | 9/14/98   | 9/14/98   | 9/14/98     | 9/14/98     |
| Matrix                            | SOIL      | SOIL      | SOIL        | SOIL        |
| <b>Metals (SW6010A) mg/kg</b>     |           |           |             |             |
| Aluminum                          | 5,910     | 5,910     | 14,000      | 8,980       |
| Antimony                          | 0.89      | 0.86      | 1.5         | 0.84        |
| Arsenic                           | 26.9      | 17.3      | 12.5        | 12.4        |
| Barium                            | 39.3      | 37.3      | 46.7        | 26          |
| Beryllium                         | 0.32 J    | 0.31 J    | 0.48        | 0.34 J      |
| Cadmium                           | 1.2       | 1.2       | 1.8         | 1.4         |
| Calcium                           | 867 J     | 857 J     | 1070 J      | 744 J       |
| Chromium (Total)                  | 10.6      | 11.5      | 19.8        | 14.6        |
| Cobalt                            | 2.3 J     | 2.5 J     | 4.5 J       | 2.9 J       |
| Copper                            | 13.1      | 22.1      | 6.8         | 5.7         |
| Iron                              | 7,550     | 8,230     | 14,500      | 11,100      |
| Lead                              | 162       | 158       | 11.7        | 16.7        |
| Magnesium                         | 691       | 738       | 1,420       | 1,030       |
| Manganese                         | 94.3 L    | 121 L     | 122 L       | 93.3 L      |
| Mercury (SW7470/7471)             | 0.11      | 0.14      | 0.04        | 0.04        |
| Nickel                            | 3.7 J     | 3.8 J     | 5.7 J       | 3.4 J       |
| Potassium                         | 387       | 515       | 944         | 790         |
| Selenium                          | 1.3       | 1.3       | 2.7         | 1.7         |
| Vanadium                          | 13.9      | 15.7      | 27.4        | 20          |
| Zinc                              | 52.5      | 66.2      | 25.8        | 24.9        |
| <b>Pesticides (SW8081A) ug/kg</b> |           |           |             |             |
| 4,4'-DDE                          | 14        | 11        | 0.601 U     | 0.601 U     |
| 4,4-DDT                           | 15        | 9.6       | 0.431 U     | 0.431 U     |
| alpha-Chlordane                   | 1.9       | 0.299 U   | 0.299 U     | 0.299 U     |
| gamma-chlordane                   | 0.88 J    | 0.274 U   | 0.274 U     | 0.274 U     |

Table 1 (con't)

**ENTECH GD5 Soil Sampling Results (9/14/98) from the Site Inspection Report  
Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**

(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – May 2000)

| Field Sample I.D.                             | ENGD5-SS1 | ENGD5-SS2 | ENGD5-B1-12 | ENGD5-B2-12 |
|-----------------------------------------------|-----------|-----------|-------------|-------------|
| Date Collected                                | 9/14/98   | 9/14/98   | 9/14/98     | 9/14/98     |
| Matrix                                        | SOIL      | SOIL      | SOIL        | SOIL        |
| <b>PCBs (SW8082) ug/kg</b>                    |           |           |             |             |
| None Detected                                 |           |           |             |             |
| <b>Volatile Organics (SW8260B) ug/kg</b>      |           |           |             |             |
| None Detected (SS samples not analyzed)       |           |           |             |             |
| <b>Semivolatile Organics (SW82780C) ug/kg</b> |           |           |             |             |
| Benzo(a)anthracene                            | 93 J      | 71 J      | 24.4 U      | 24.4 U      |
| Benzo(a)pyrene                                | 79 J      | 62 J      | 9.07 U      | 9.07 U      |
| Benzo(b)fluoranthene                          | 93 J      | 51 J      | 9.48 U      | 9.48 U      |
| Benzo(k)fluoranthene                          | 100 J     | 75 J      | 12.5 U      | 12.5 U      |
| Benzoic Acid                                  | 73 J      | 663 U     | 663 U       | 663 U       |
| bis(2-Ethylhexyl)phthalate                    | 300 J     | 300 J     | 62.7U       | 62.7U       |
| Chrysene                                      | 110 J     | 92 J      | 31.7 U      | 31.7 U      |
| Fluoranthene                                  | 170 J     | 120 J     | 28.5 U      | 28.5 U      |
| Phenanthrene                                  | 84 J      | 77 J      | 28.6 U      | 28.6 U      |
| Pyrene                                        | 150 J     | 120 J     | 30.8 U      | 30.8 U      |

**Notes:**

SS = surface soil.

U = not detected above indicated analytical method detection limit.

J = estimated concentration.

B = reported concentration is determined to be attributable to contamination introduced during field sampling or laboratory analysis.

Shaded cells indicate concentrations exceeding 3 times maximum background, or concentrations exceeding analytical method detection limits when background result is not detected.

**Table 2**  
**ENTECH GD5 Summary of Soil Metals Sampling Results from the Supplemental Site Investigation Report**  
**Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**  
(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)

| Parameter | *EPA RSL | ENG5-SS01-0-12" | ENG5-SS01-12-24" | ENG5-SS02-0-12" | ENG5-SS02-12-24" | ENG5-SS03-0-12" | ENG5-SS03-12-24" |
|-----------|----------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| ALUMINUM  | 77,000   | 3,600           | 3,900            | 4,500           | 3,800            | 4,500           | 5,500            |
| ANTIMONY  | 31       | 2.3U-UJ         | 2.2U-UJ          | 2.2U-UJ         | 2.3U-UJ          | 2.3U-UJ         | 2.3U-UJ          |
| ARSENIC   | 0.88     | 10              | 36               | 7.9             | 4.6              | 5.5             | 7.1              |
| BARIIUM   | 15,000   | 31-J            | 33               | 43              | 31               | 36              | 32               |
| BERYLLIUM | 160      | 0.24J           | 0.21J            | 0.19J           | 0.58U            | 0.19J           | 0.22J            |
| CADMIUM   | 71       | 0.23J           | 0.58U            | 0.54U           | 0.58U            | 0.57U           | 0.58U            |
| CALCIUM   | NA       | 680             | 500              | 850             | 610              | 920             | 930              |
| CHROMIUM  | 120,000  | 8.8             | 7.9              | 11              | 6.9              | 12              | 11               |
| COBALT    | 23       | 1.8             | 2.1              | 1.4             | 1.4              | 2               | 1.4              |
| COPPER    | 3,100    | 17              | 9.3              | 9.5             | 5.1              | 78              | 7.4              |
| IRON      | 55,000   | 9,700-J         | 6,900-J          | 8,300-J         | 11,000-J         | 8,500-J         | 8,900-J          |
| LEAD      | 400      | 200             | 85-NJ            | 75-J            | 31-J             | 120-J           | 22-J             |
| MAGNESIUM | NA       | 450             | 420              | 460             | 390              | 500             | 550              |
| MANGANESE | 1,800    | 140-J           | 91               | 71              | 78               | 95              | 63               |
| MERCURY   | 11       | 0.22            | 0.26             | 0.065           | 0.042            | 0.069           | 0.043            |
| NICKEL    | 1,500    | 3.2             | 4.3              | 3.3             | 2.9              | 3.8             | 2.6              |
| POTASSIUM | NA       | 280             | 230              | 330             | 240              | 270             | 410              |
| SELENIUM  | 360      | 0.3J            | 0.18J            | 0.31J           | 0.33J            | 0.35J-B         | 0.58U            |
| SILVER    | 360      | 1.1U            | 1.1U             | 1.1U            | 1.1U             | 1.1U            | 1.1U             |
| SODIUM    | 3,900    | 110U            | 110U             | 110U            | 110U             | 110U            | 110U             |
| THALLIUM  | 360      | 1.1U            | 1.1U             | 1.1U            | 1.1U             | 1.1U            | 1.1U             |
| VANADIUM  | 360      | 14              | 12-J             | 17-J            | 12-J             | 18-J            | 18-J             |
| ZINC      | 23,000   | 52-J            | 27               | 53              | 21               | 52              | 16               |

| Parameter | *EPA RSL | ENG5-SS05-0-12" | ENG5-SS05-12-24" | ENG5-SS06-0-12" | ENG5-SS06-12-24" | ENG5-SS06-12-24"<br>DUP |
|-----------|----------|-----------------|------------------|-----------------|------------------|-------------------------|
| ALUMINUM  | 77,000   | 4,400           | 13,000           | 3,400           | 7,600            | 7,800                   |
| ANTIMONY  | 31       | 0.9J            | 2.4U-UJ          | 0.68J-J         | 2.3U-UJ          | 2.2U-UJ                 |
| ARSENIC   | 0.88     | 9.9             | 8.4              | 19              | 5.6              | 5.8                     |
| BARIIUM   | 15,000   | 48              | 35               | 26              | 30               | 26                      |
| BERYLLIUM | 160      | 0.38J           | 0.33J            | 0.16J           | 0.29J            | 0.27J                   |
| CADMIUM   | 71       | 0.59            | 0.6U             | 0.2J            | 0.58U            | 0.55U                   |
| CALCIUM   | NA       | 1,500           | 1,700            | 690             | 810              | 890                     |
| CHROMIUM  | 120,000  | 39              | 18               | 11              | 12               | 13                      |
| COBALT    | 23       | 3.3             | 3.3              | 1.6             | 2.2              | 1.9                     |
| COPPER    | 3,100    | 27              | 7.8              | 23              | 3.8              | 4.00                    |
| IRON      | 55,000   | 16,000-J        | 20,000-J         | 9,600-J         | 13,000-J         | 13,000-J                |
| LEAD      | 400      | 460-J           | 28-J             | 130-J           | 8-J              | 6.2-J                   |
| MAGNESIUM | NA       | 580             | 1,100            | 380             | 750              | 730                     |
| MANGANESE | 1,800    | 170             | 130              | 77              | 71               | 66                      |
| MERCURY   | 11       | 0.11            | 0.035J           | 0.06            | 0.02J            | 0.019J                  |
| NICKEL    | 1,500    | 9.8             | 5.9              | 3.7             | 3.7              | 3.5                     |
| POTASSIUM | NA       | 300             | 630              | 260             | 490              | 500                     |
| SELENIUM  | 360      | 0.24J-B         | 0.49J-B          | 0.53U           | 0.58U            | 0.55U                   |
| SILVER    | 360      | 1.2U            | 1.2U             | 1.1U            | 1.1U             | 1.1U                    |
| SODIUM    | 3,900    | 120U            | 120U             | 110U            | 110U             | 110U                    |
| THALLIUM  | 360      | 1.2U            | 1.2U             | 1.1U            | 1.1U             | 1.1U                    |
| VANADIUM  | 360      | 30-J            | 30-J             | 13-J            | 20-J             | 21-J                    |
| ZINC      | 23,000   | 180             | 32               | 48              | 12               | 12                      |

#### Notes

All results in mg/kg

Detections are shown in bold font

RSL Exceedances are shaded.

\*EPA RSL: EPA Excel Spreadsheet for Regional Screening Levels (RSLs) - Generic Tables. May 2016. Residential Soil Screening Level used.

NA = Not Applicable; Not Established

#### Laboratory Data Qualifiers (stand to the left of dash, or alone. e.g., "U-D" or "N")

J. Estimated concentration.

U. Parameter not detected above method detection limit.

#### Data Validation Qualifiers (stand to the right of dash. e.g., "N-J" or "-B")

D. Result detected in sample with laboratory dilution.

J. Estimated concentration.

N. The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification" (Not applicable to inorganics).

UJ. Not detected; quantitation limit is estimated.

Table 3

**ENTECH GD5 Summary of Soil OC Pesticide Sampling Results from the Supplemental Site Investigation Report  
Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**

(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)

| Parameter           | *EPA RSL | ENG5-SS01-0-12" | ENG5-SS01-12-24" | ENG5-SS02-0-12" | ENG5-SS02-12-24" | ENG5-SS03-0-12" | ENG5-SS03-12-24" |
|---------------------|----------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| 4,4'-DDD            | 2,300    | 2U              | 1.9U             | <b>14</b>       | 1.9U             | 3.8U            | 1.9U             |
| 4,4'-DDE            | 2,000    | <b>8.9</b>      | <b>1.8J</b>      | <b>71</b>       | <b>1.6J</b>      | <b>14</b>       | <b>1.4</b>       |
| 4,4'-DDT            | 1,900    | <b>11</b>       | <b>12</b>        | <b>130</b>      | <b>3.9</b>       | <b>29</b>       | <b>2.6</b>       |
| ALDRIN              | 39       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ALPHA-BHC           | 86       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ALPHA-CHLORDANE     | 1,700    | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| BETA-BHC            | 300      | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| DELTA-BHC           | NA       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| DIELDRIN            | 34       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ENDOSULFAN I        | 470,000  | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ENDOSULFAN II       | NA       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ENDOSULFAN SULFATE  | NA       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ENDRIN              | 19,000   | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ENDRIN ALDEHYDE     | NA       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| ENDRIN KETONE       | NA       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| GAMMA-BHC (LINDANE) | 570      | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| GAMMA-CHLORDANE     | 1,700    | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| HEPTACHLOR          | 130      | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| HEPTACHLOR EPOXIDE  | 70       | 2U              | 1.9U             | 7.6U            | 1.9U             | 3.8U            | 1.9U             |
| METHOXYCHLOR        | 320,000  | 9.8U            | 9.5U             | 38U             | 9.3U             | 19U             | 9.7U             |
| TOXAPHENE           | 490      | 98U             | 95U              | 380U            | 93U              | 190U            | 97U              |

| Parameter           | *EPA RSL | ENG5-SS05-0-12" | ENG5-SS05-12-24" | ENG5-SS06-0-12" | ENG5-SS06-12-24" | ENG5-SS06-12-24"<br>DUP |
|---------------------|----------|-----------------|------------------|-----------------|------------------|-------------------------|
| 4,4'-DDD            | 2,300    | <b>19</b>       | 2U               | <b>3.7</b>      | 1.8U             | 1.9U                    |
| 4,4'-DDE            | 2,000    | <b>81</b>       | 2U               | <b>20</b>       | 1.8U             | 1.9U                    |
| 4,4'-DDT            | 1,900    | <b>57</b>       | 2U               | <b>19</b>       | 1.8U             | 1.9U                    |
| ALDRIN              | 39       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ALPHA-BHC           | 86       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ALPHA-CHLORDANE     | 1,700    | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| BETA-BHC            | 300      | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| DELTA-BHC           | NA       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| DIELDRIN            | 34       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ENDOSULFAN I        | 470,000  | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ENDOSULFAN II       | NA       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ENDOSULFAN SULFATE  | NA       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ENDRIN              | 19,000   | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ENDRIN ALDEHYDE     | NA       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| ENDRIN KETONE       | NA       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| GAMMA-BHC (LINDANE) | 570      | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| GAMMA-CHLORDANE     | 1,700    | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| HEPTACHLOR          | 130      | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| HEPTACHLOR EPOXIDE  | 70       | 7.7U            | 2U               | 1.8U            | 1.8U             | 1.9U                    |
| METHOXYCHLOR        | 320,000  | 38U             | 10U              | 9.2U            | 9.2U             | 9.5U                    |
| TOXAPHENE           | 490      | 380U            | 100U             | 92U             | 92U              | 95U                     |

**Notes**

All results in µg/kg

Detections are shown in bold font

RSL Exceedances are shaded.

\*EPA RSL: EPA Excel Spreadsheet for Regional Screening Levels (RSLs) - Generic Tables. May 2016. Residential Soil Screening Level used.

NA = Not Applicable; Not Established

**Laboratory Data Qualifiers** (stand to the left of dash, e.g., "U-D" or "N")

J. Estimated concentration.

U. Parameter not detected above method detection limit.

**Data Validation Qualifiers** (stand to the right of dash, e.g., "N-J" or "-B")

D. Result detected in sample with laboratory dilution

J. Estimated concentration.

N. The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification" (Not applicable to inorganics).

UJ. Not detected; quantitation limit is estimated.

Table 4

**ENTECH GD5 Summary of Soil SVOC Sampling Results from the Supplemental Site Investigation Report  
Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**  
(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)

| Parameter                   | *EPA RSL    | ENG05-S901-0-12" | ENG05-S901-12-34" | ENG05-S902-0-12" | ENG05-S902-12-34" | ENG05-S903-0-12" |
|-----------------------------|-------------|------------------|-------------------|------------------|-------------------|------------------|
| 1,2,4-TRICHLOROBENZENE      | 24,000      | 400U             | 380U              | 380U             | 370U              | 380U             |
| 1,2-DICHLOROBENZENE         | 1,800,000   | 400U             | 380U              | 380U             | 370U              | 380U             |
| 1,3-DICHLOROBENZENE         | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 1,4-DICHLOROBENZENE         | 2,800       | 400U             | 380U              | 380U             | 370U              | 380U             |
| 1-METHYLNAPHTHALENE         | 18,000      | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,3,4,6-TETRACHLOROPHENOL   | 1,800,000   | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,4,5-TRICHLOROPHENOL       | 6,300,000   | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,4,6-TRICHLOROPHENOL       | 40,000      | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,4-DICHLOROPHENOL          | 180,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,4-DIMETHYLPHENOL          | 1,300,000   | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,4-DINITROPHENOL           | 130,000     | 700U             | 760U              | 760U             | 750U              | 750U             |
| 2,4-DINITROTOLUENE          | 1,700       | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2,6-DINITROTOLUENE          | 360         | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2-CHLORONAPHTHALENE         | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2-CHLOROPHENOL              | 390,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2-METHYLNAPHTHALENE         | 240,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2-METHYLPHENOL              | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 2-NITROANILINE              | 630,000     | 700U             | 760U              | 760U             | 750U              | 750U             |
| 2-NITROPHENOL               | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 3,3'-DICHLOROBENZIDINE      | 1,200       | 400U             | 380U              | 380U             | 370U              | 380U             |
| 3+4-METHYLPHENOL            | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 3-NITROANILINE              | NA          | 700U             | 760U              | 760U             | 750U              | 750U             |
| 4,6-DINITRO-2-METHYLPHENOL  | NA          | 700U             | 760U              | 760U             | 750U              | 750U             |
| 4-BROMOPHENYL PHENYL ETHER  | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 4-CHLORO-3-METHYLPHENOL     | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 4-CHLOROANILINE             | 27,000      | 400U             | 380U              | 380U             | 370U              | 380U             |
| 4-CHLOROPHENYL PHENYL ETHER | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| 4-NITROANILINE              | 27,000      | 700U             | 760U              | 760U             | 750U              | 750U             |
| 4-NITROPHENOL               | NA          | 700U             | 760U              | 760U             | 750U              | 750U             |
| ACENAPHTHENE                | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| ACENAPHTHYLENE              | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| ANILINE                     | 95,000      | 400U             | 380U              | 380U             | 370U              | 380U             |
| ANTHRACENE                  | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| AZOBIENZENE                 | 5,600       | 400U             | 380U              | 380U             | 370U              | 380U             |
| BENZO(A)ANTHRACENE          | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| BENZO(A)PYRENE              | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| BENZO(B)FLUORANTHENE        | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| BENZO(G,H)IPERYLENE         | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| BENZO(K)FLUORANTHENE        | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| BENZOIC ACID                | 250,000,000 | 800U             | 1900U             | 1900U            | 1900U             | 1900U            |
| BENZYL ALCOHOL              | 6,300,000   | 400U             | 380U              | 380U             | 370U              | 380U             |
| BIS(2-CHLOROETHOXY)METHANE  | 190,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| BIS(2-CHLOROETHYL)ETHER     | 230         | 400U             | 380U              | 380U             | 370U              | 380U             |
| BIS(2-CHLOROISOPROPYL)ETHER | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| BIS(2-ETHYLHEXYL)PHTHALATE  | 30,000      | 180U             | 380U              | 380U             | 370U              | 250U             |
| BUTYL BENZYL PHTHALATE      | 290,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| CARBAZOLE                   | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| CHRYSENE                    | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| DIBENZO(A,H)ANTHRACENE      | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| DIBENZOFURAN                | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| DIETHYL PHTHALATE           | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| DIMETHYL PHTHALATE          | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| DIA-N-BUTYL PHTHALATE       | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| DIA-N-OCTYL PHTHALATE       | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| FLUORANTHENE                | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| FLUORENE                    | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| HEXACHLOROBENZENE           | 210         | 400U             | 380U              | 380U             | 370U              | 380U             |
| HEXACHLOROBTADIENE          | 1,200       | 400U             | 380U              | 380U             | 370U              | 380U             |
| HEXACHLOROCCYCLOPENTADIENE  | 1,800       | 400U             | 380U              | 380U             | 370U              | 380U             |
| HEXACHLOROETHANE            | 1,800       | 400U             | 380U              | 380U             | 370U              | 380U             |
| INDENO(1,2,3-CD)PYRENE      | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| ISOPHORONE                  | 570,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| NAPHTHALENE                 | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| NITROBENZENE                | 5,100       | 400U             | 380U              | 380U             | 370U              | 380U             |
| N-NITROSODIMETHYLAMINE      | 78          | 400U             | 380U              | 380U             | 370U              | 380U             |
| N-NITROSO-DI-N-PROPYLAMINE  | 78          | 400U             | 380U              | 380U             | 370U              | 380U             |
| N-NITROSODIPHENYLAMINE      | 110,000     | 400U             | 380U              | 380U             | 370U              | 380U             |
| PENTACHLOROPHENOL           | 1,000       | 700U             | 760U              | 760U             | 750U              | 750U             |
| PHENANTHRENE                | NA          | 400U             | 380U              | 380U             | 370U              | 380U             |
| PHENOL                      | 19,000,000  | 400U             | 380U              | 380U             | 370U              | 380U             |
| PYRENE                      | 1,800,000   | 400U             | 380U              | 380U             | 370U              | 380U             |
| PYRIDINE                    | 78,000      | 400U             | 380U              | 380U             | 370U              | 380U             |

**Notes**

All results in µg/kg

Detections are shown in bold font.

RSL Exceedances are shaded.

\*EPA RSL: EPA Excel Spreadsheet for Regional Screening Levels (RSLs) - Generic Tables, May 2016. Residential Soil Screening Level used

NA = Not Applicable, Not Established

**Laboratory Data Qualifiers** (stand to the left of dash, or alone, e.g., "U-U" or "N")

U: Parameter not detected above method detection limit.

**Data Validation Qualifiers** (stand to the right of dash, e.g., "N-J" or "N-B")

J: The analyte was positively identified, but the associated numerical value is an estimated concentration

R: The samples results are rejected due to a laboratory quality control infraction. Rejected analytes were not

included in the laboratory control of sample, MS, or MSD. As a result, the results could not be evaluated for

UU: Not detected; quantitation limit is estimated.

**ENTECH GD5 Summary of Soil SVOC Sampling Results from the Supplemental Site Investigation Report  
Glenn Dale Plant Introduction Station, Glenn Dale, Maryland  
(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)**

## Notes

All results in  $\mu\text{g}/\text{kg}$

Detections are shown in bold font.

RSL Exceedances are shaded.

\*EPA RSL: EPA Excel Spreadsheet for Regional Screening Levels (RSLs) - Generic Tables, May 2016. Residential Soil Screening Level used.

NA = Not Applicable; Not Established

Laboratory Data Qualifiers (placed to the left of dash, or none, e.g., "U-U" or "N")

U. Parameter not detected above method detection limit

**Data Validation Qualifiers** (stand to the right of dash, e.g., "N-J" or "-B")

J. The analyte was positively identified, but the associated numerical value is an estimated concentration

R. The sample results are rejected due to a laboratory quality control infraction. Rejected

analyses were not included in the laboratory control sample, MS, or MSD. As a result, the

LL, Not detected; quantitation limit is estimated.

Table 5

**ENTECH GD5 Summary of Groundwater Metals Sampling Results from the Supplemental Site Investigation Report  
Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**

(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)

| Parameter               | MCL   | ENGD5-GW01@8.4'  | ENGD5-GW02@8.95' |
|-------------------------|-------|------------------|------------------|
| <b>DISSOLVED METALS</b> |       |                  |                  |
| ALUMINUM                | NA    | 0.2U             | 0.2U             |
| ANTIMONY                | 0.01  | 0.02U            | 0.02U            |
| ARSENIC                 | 0.01  | 0.01U            | <b>0.0053J</b>   |
| BARIUM                  | 2     | 0.1U             | 0.1U             |
| BERYLLIUM               | 0.004 | 0.005U           | 0.005U           |
| CADMIUM                 | 0.005 | 0.005U           | 0.005U           |
| CALCIUM                 | NA    | <b>11</b>        | <b>12</b>        |
| CHROMIUM                | 0.1   | 0.01U            | 0.01U            |
| COBALT                  | NA    | 0.01U            | 0.01U            |
| COPPER                  | 1.3   | 0.01U            | 0.01U            |
| IRON                    | NA    | <b>0.76</b>      | <b>1.6</b>       |
| LEAD                    | 0.015 | 0.003U           | 0.003U           |
| MAGNESIUM               | NA    | <b>1.4</b>       | <b>1.3</b>       |
| MANGANESE               | NA    | <b>0.063</b>     | <b>0.063</b>     |
| MERCURY                 | 0.002 | 0.0002U          | 0.0002U          |
| NICKEL                  | NA    | 0.02U            | 0.02U            |
| POTASSIUM               | NA    | <b>1.2</b>       | <b>1-B</b>       |
| SELENIUM                | 0.05  | <b>0.002J</b>    | 0.005U           |
| SILVER                  | NA    | 0.01U            | 0.01U            |
| SODIUM                  | NA    | <b>4.6</b>       | <b>3.1</b>       |
| THALLIUM                | 0.002 | 0.01U            | 0.01U            |
| VANADIUM                | NA    | 0.01U            | 0.01U            |
| ZINC                    | NA    | <b>0.0086J-B</b> | <b>0.024-B</b>   |

| Parameter           | MCL   | ENGD5-GW01@8.4'  | ENGD5-GW02@8.95' |
|---------------------|-------|------------------|------------------|
| <b>TOTAL METALS</b> |       |                  |                  |
| ALUMINUM            | NA    | <b>6.7</b>       | <b>1.2</b>       |
| ANTIMONY            | 0.01  | 0.02U            | 0.02U            |
| ARSENIC             | 0.01  | <b>0.13</b>      | <b>0.0057J</b>   |
| BARIUM              | 2     | <b>0.32</b>      | <b>0.06J</b>     |
| BERYLLIUM           | 0.004 | 0.005U           | 0.005U           |
| CADMIUM             | 0.005 | 0.005U           | 0.005U           |
| CALCIUM             | NA    | <b>12</b>        | <b>13</b>        |
| CHROMIUM            | 0.1   | <b>0.15</b>      | <b>0.0096J</b>   |
| COBALT              | NA    | <b>0.0042J</b>   | 0.01U            |
| COPPER              | 1.3   | <b>0.015</b>     | <b>0.0033J</b>   |
| IRON                | NA    | <b>140</b>       | <b>5.5</b>       |
| LEAD                | 0.015 | <b>0.017</b>     | 0.003U           |
| MAGNESIUM           | NA    | <b>1.8</b>       | <b>1.4</b>       |
| MANGANESE           | NA    | <b>0.11</b>      | <b>0.077</b>     |
| MERCURY             | 0.002 | <b>0.000094J</b> | 0.0002U          |
| NICKEL              | NA    | <b>0.011J</b>    | 0.02U            |
| POTASSIUM           | NA    | <b>4.3</b>       | <b>1.5</b>       |
| SELENIUM            | 0.05  | <b>0.0038J</b>   | 0.005U           |
| SILVER              | NA    | 0.01U            | 0.01U            |
| SODIUM              | NA    | <b>3.6</b>       | <b>2.2</b>       |
| THALLIUM            | 0.002 | 0.01U            | 0.01U            |
| VANADIUM            | NA    | <b>0.2</b>       | <b>0.013</b>     |
| ZINC                | NA    | <b>0.043</b>     | <b>0.029</b>     |

**Notes**

All results in mg/L

Detections are shown in bold font

NA = Not Applicable; Not Established

**Laboratory Data Qualifiers** (stand to the left of dash, or alone. e.g., "U-D" or "N")

J. Estimated concentration.

U. Parameter not detected above method detection limit.

**Data Validation Qualifiers** (stand to the right of dash. e.g., "N-J" or "-B")

B. Analyte detected in associated method blank

D. Result detected in sample with laboratory dilution.

J. Estimated concentration.

N. The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification" (Not applicable to inorganics).

UU. Not detected; quantitation limit is estimated.

**Table 6**  
**ENTECH GD5 Summary of Groundwater OC Pesticide Sampling Results from the Supplemental Site Investigation Report**

**Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**

(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)

| Parameter           | MCL | ENGD5-GW01@8.4' | ENGD5-GW02@8.95' |
|---------------------|-----|-----------------|------------------|
| 4,4'-DDD            | NA  | 0.048U          | 0.048U           |
| 4,4'-DDE            | NA  | 0.048U          | 0.048U           |
| 4,4'-DDT            | NA  | 0.048U-UJ       | 0.048U-UJ        |
| ALDRIN              | NA  | 0.048U          | 0.048U           |
| ALPHA-BHC           | NA  | 0.048U          | 0.048U           |
| ALPHA-CHLORDANE     | 2   | 0.048U          | 0.048U           |
| BETA-BHC            | NA  | 0.048U          | 0.048U           |
| DELTA-BHC           | NA  | 0.048U          | 0.048U           |
| DIELDRIN            | NA  | 0.048U          | 0.048U           |
| ENDOSULFAN I        | NA  | 0.048U          | 0.048U           |
| ENDOSULFAN II       | NA  | 0.048U          | 0.048U           |
| ENDOSULFAN SULFATE  | NA  | 0.048U          | 0.048U           |
| ENDRIN              | 2   | 0.048U-R        | 0.048U-R         |
| ENDRIN ALDEHYDE     | NA  | 0.048U          | 0.048U           |
| ENDRIN KETONE       | NA  | 0.048U-UJ       | 0.048U-UJ        |
| GAMMA-BHC (LINDANE) | 0.2 | 0.048U          | 0.048U           |
| GAMMA-CHLORDANE     | 2   | 0.048U          | 0.048U           |
| HEPTACHLOR          | 0.4 | 0.048U          | 0.048U           |
| HEPTACHLOR EPOXIDE  | 0.2 | 0.048U          | 0.048U           |
| METHOXYCHLOR        | 40  | 0.24U-UJ        | 0.24U-UJ         |
| TOXAPHENE           | 3   | 2.4U            | 2.4U             |

**Notes**

Values reported in ug/L

NA = Not Applicable. No established MCL.

**Laboratory Data Qualifiers**

(stand to the left of dash, or alone. e.g. "U-D", or "N")

B. Estimated value. Analyte detected below the RL, but above the MDL.

J. Estimated concentration.

U. Parameter not detected above method detection limit.

**Data Validation Qualifiers**

(stand to the right of dash. e.g., "N-J", or "-B")

value is expected to be lower

UJ. Not detected; quantitation limit may be inaccurate or imprecise.

UL. Not detected; quantitation limit probably higher.

Table 7

**ENTECH GD5 Summary of Groundwater SVOC Sampling Results from the Supplemental Site Investigation Report  
Glenn Dale Plant Introduction Station, Glenn Dale, Maryland**

(From: Site Inspection Report for the Glenn Dale Plant Introduction Station – September 2017)

| Parameter                   | MCL | ENG D6-GW01@8.4' | ENG D6-GW02@8.95' |
|-----------------------------|-----|------------------|-------------------|
| 1,2,4-TRICHLOROBENZENE      | 70  | 9.6U             | 9.5U              |
| 1,2-DICHLOROBENZENE         | 60  | 9.6U             | 9.5U              |
| 1,3-DICHLOROBENZENE         | NA  | 9.6U             | 9.5U              |
| 1,4-DICHLOROBENZENE         | 75  | 9.6U             | 9.5U              |
| 1-METHYLNAPHTHALENE         | NA  | 9.6U             | 9.5U              |
| 2,3,4,6-TETRACHLOROPHENOL   | NA  | 9.6U             | 9.5U              |
| 2,4,5-TRICHLOROPHENOL       | NA  | 9.6U             | 9.5U              |
| 2,4,6-TRICHLOROPHENOL       | NA  | 9.6U             | 9.5U              |
| 2,4-DICHLOROPHENOL          | NA  | 9.6U             | 9.5U              |
| 2,4-DIMETHYLPHENOL          | NA  | 9.6U             | 9.5U              |
| 2,4-DINITROPHENOL           | NA  | 19U-U            | 19U               |
| 2,4-DINITROTOLUENE          | NA  | 9.6U             | 9.5U              |
| 2,6-DINITROTOLUENE          | NA  | 9.6U             | 9.5U              |
| 2-CHLORONAPHTHALENE         | NA  | 9.6U             | 9.5U              |
| 2-CHLOROPHENOL              | NA  | 9.6U             | 9.5U              |
| 2-METHYLNAPHTHALENE         | NA  | 9.6U             | 9.5U              |
| 2-METHYLPHENOL              | NA  | 9.6U             | 9.5U              |
| 2-NITROANILINE              | NA  | 19U              | 19U               |
| 2-NITROPHENOL               | NA  | 9.6U             | 9.5U              |
| 3,3'-DICHLOROBENZIDINE      | NA  | 9.6U             | 9.5U              |
| 3,4-METHYLPHENOL            | NA  | 9.6U             | 9.5U              |
| 3-NITROANILINE              | NA  | 19U              | 19U               |
| 4,6-DINITRO-2-METHYLPHENOL  | NA  | 19U              | 19U               |
| 4-BROMOPHENYL PHENYL ETHER  | NA  | 9.6U             | 9.5U              |
| 4-CHLORO-3-METHYLPHENOL     | NA  | 9.6U             | 9.5U              |
| 4-CHLOROANILINE             | NA  | 9.6U             | 9.5U              |
| 4-CHLOROPHENYL PHENYL ETHER | NA  | 9.6U             | 9.5U              |
| 4-NITROANILINE              | NA  | 19U              | 19U               |
| 4-NITROPHENOL               | NA  | 19U              | 19U               |
| ACENAPHTHENE                | NA  | 9.6U             | 9.5U              |
| ACENAPHTHYLENE              | NA  | 9.6U             | 9.5U              |
| ANILINE                     | NA  | 9.6U             | 9.5U              |
| ANTHRACENE                  | NA  | 9.6U             | 9.5U              |
| AZOBEZENE                   | NA  | 9.6U             | 9.5U              |
| BENZO(A)ANTHRACENE          | NA  | 9.6U             | 9.5U              |
| BENZO(A)PYRENE              | 0.2 | 9.6U             | 9.5U              |
| BENZO(B)FLUORANTHENE        | NA  | 9.6U             | 9.5U              |
| BENZO(G,H,I)PERYLENE        | NA  | 9.6U             | 9.5U              |
| BENZO(K)FLUORANTHENE        | NA  | 9.6U             | 9.5U              |
| BENZOIC ACID                | NA  | 48U-U            | 48U-U             |
| BENZYL ALCOHOL              | NA  | 9.6U             | 9.5U              |
| BIS(2-CHLOROETHOXY)METHANE  | NA  | 9.6U             | 9.5U              |
| BIS(2-CHLOROETHYL)ETHER     | NA  | 9.6U             | 9.5U              |
| BIS(2-CHLOROISOPROPYL)ETHER | NA  | 9.6U             | 9.5U              |
| BIS(2-ETHYLHEXYL)PHTHALATE  | 5   | 9.6U             | 9.5U              |
| BUTYL BENZYL PHTHALATE      | NA  | 9.6U-U           | 9.5U              |
| CARBAZOLE                   | NA  | 9.6U             | 9.5U              |
| CHRYSENE                    | NA  | 9.6U             | 9.5U              |
| DIBENZO(A,H)ANTHRACENE      | NA  | 9.6U             | 9.5U              |
| DIBENZOFURAN                | NA  | 9.6U             | 9.5U              |
| DIETHYL PHTHALATE           | NA  | 9.6U             | 9.5U              |
| DIMETHYL PHTHALATE          | NA  | 9.6U             | 9.5U              |
| DIV-BUTYL PHTHALATE         | NA  | 9.6U             | 9.5U              |
| DIV-OCTYL PHTHALATE         | NA  | 9.6U             | 9.5U              |
| FLUORANTHENE                | NA  | 9.6U-U           | 9.5U              |
| FLUORENE                    | NA  | 9.6U             | 9.5U              |
| HEXACHLOROBENZENE           | NA  | 9.6U             | 9.5U              |
| HEXACHLOROBUTADIENE         | NA  | 9.6U             | 9.5U              |
| HEXACHLOROCYCLOPENTADIENE   | 50  | 9.6U-R           | 9.5U              |
| HEXACHLOROETHANE            | NA  | 9.6U             | 9.5U              |
| INDENO(1,2,3-CD)PYRENE      | NA  | 9.6U             | 9.5U              |
| ISOPHORONE                  | NA  | 9.6U             | 9.5U              |
| NAPHTHALENE                 | NA  | 9.6U             | 9.5U              |
| NITROBENZENE                | NA  | 9.6U             | 9.5U              |
| N-NITROSDIMETHYLAMINE       | NA  | 9.6U             | 9.5U              |
| N-NITROSDIV-PROPYLAMINE     | NA  | 9.6U             | 9.5U              |
| N-NITROSDIPHENYLAMINE       | NA  | 9.6U             | 9.5U              |
| PENTACHLOROPHENOL           | 1   | 19U              | 19U               |
| PHENANTHRENE                | NA  | 9.6U             | 9.5U              |
| PHENOL                      | NA  | 9.6U             | 9.5U              |
| PYRENE                      | NA  | 9.6U-U           | 9.5U              |
| PYRIDINE                    | NA  | 9.6U-U           | 9.5U              |

**Notes**

Values reported in ug/L

NA = Not Applicable. No established MCL.

**Laboratory Data Qualifiers**

(stand to the left of dash, or alone, e.g. "U-D", or "N")

U. Parameter not detected above method detection limit.

**Data Validation Qualifiers**

(stand to the right of dash, e.g., "N-U", or "B")

U. Not detected; quantitation limit may be inaccurate or imprecise.