Memorandum

To:	Pam Barnett, RACER	Ref. No.:	11109615
	J.E.P.		
From:	John-eric Pardys/kf/1	Date:	October 30, 2015

Re: Summary of Sub-Concrete Slab Soil Investigation
RACER Fredericksburg Facility
Spotsylvania County, Virginia

1. Introduction

GHD has prepared this memorandum to present the results of the September 2015 Sub-Concrete Slab Soil Investigation conducted at the RACER Fredericksburg Facility in Spotsylvania County, Virginia (Site). The purpose of the investigation was to characterize the soils below the building. The building is approximately 285,000 square feet.

The Site is located in Fredericksburg, Virginia and has a mailing address of 11032 Tidewater Trail, Fredericksburg, VA 22408. Figure 1 presents the Site Location.

2. September 2015 Sub-Concrete Slab Soil Investigation

On September 17, 2015, GHD met with RACER on Site to discuss the proposed work and mark the proposed investigation locations. On the morning of September 22, 2015, GHD met with the private utility locator and driller to have the locations cleared prior to initiating the investigation. Locations were adjusted as necessary.

Between September 22 and 24, 2015, twenty borings were advanced to a depth of approximately 15-feet or to the water table using a geoprobe rig. The locations of the borings were spread out over the entire facility and were biased towards areas where there was a greater likelihood of contamination (i.e., equipment, machinery, etc.). Figure 2 presents the September 2015 investigative locations. Attachment A presents the boring logs.

Two soil samples were collected from each boring, the soil interval below the concrete slab and the interval above the water level. In addition, a third sample was collected from four of the borings at an intermediate interval based on elevated PID readings and/or visual/olfactory evidence of impacts. The samples were analyzed for the following parameters: Target Compound List (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals.

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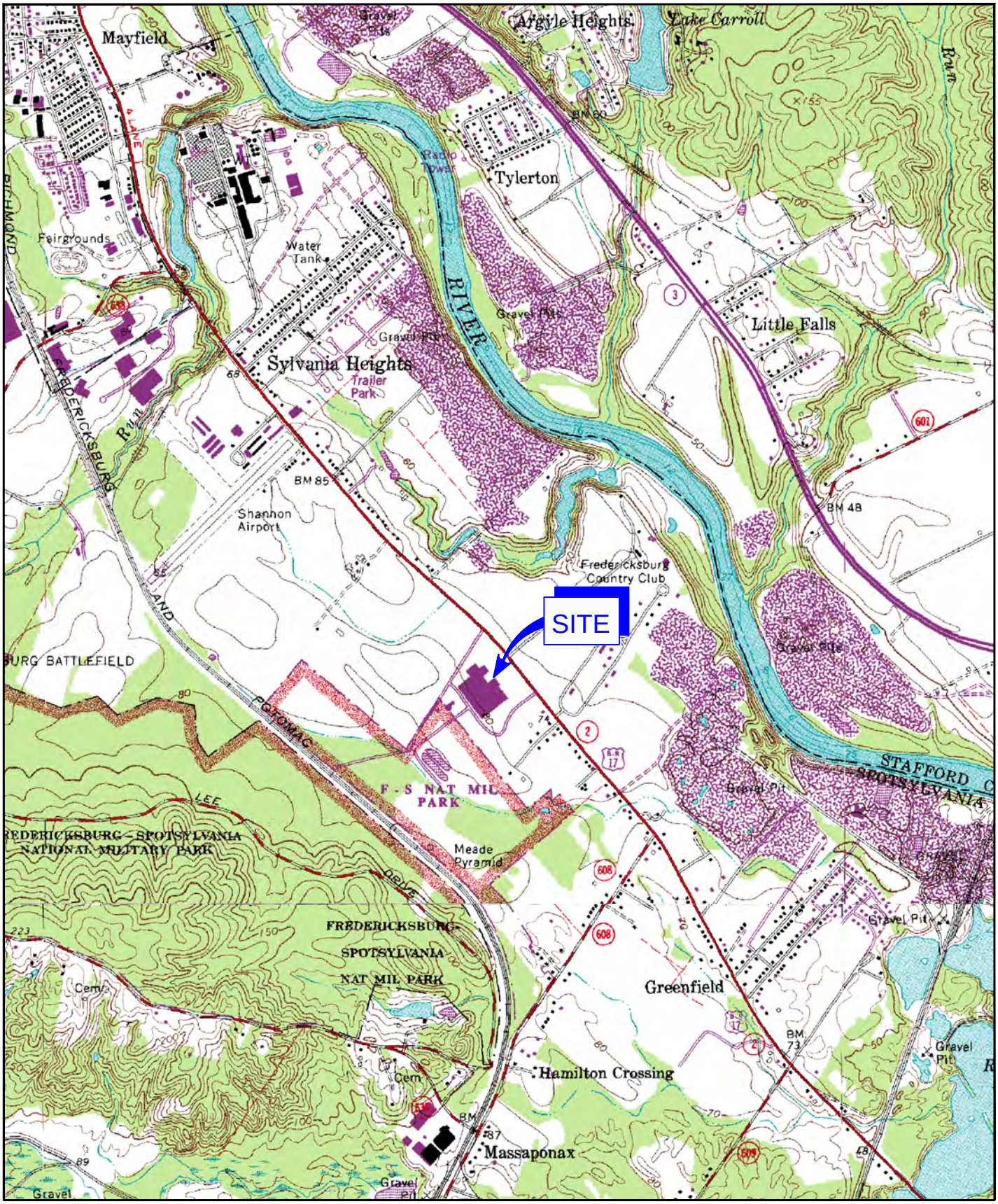
The analytical results of the sub-concrete slab soil investigation are presented on Table 1. In order to complete a preliminary assessment, the sample results were screened against Virginia Department of Environmental Quality (VDEQ) Tier III Industrial/Commercial soil criteria, which are the lower of either the EPA Region III industrial soil risk-based criteria or the soil screening level for migration to air. Use of the Tier III screening values require residential use of the Site to be prohibited and to have a restriction prohibiting the use of groundwater unless sufficient groundwater samples have been collected to demonstrate that groundwater has not been impacted and will not be impacted in the future. There were no exceedances of the screening criteria. Attachment B presents the data validation memorandum.



Source: USGS QUAD MAPS; FREDERICKSBURG AND GUINEA, VA., 1966, PHOTOREVISED 1984.

0 1000 2000ft

Coordinate System:
VIRGINIA NORTH SP NAD83

RACER TRUST
FREDERICKSBURG, VIRGINIA
SUB-SLAB SOIL INVESTIGATION

11109615-01

Oct 21, 2015

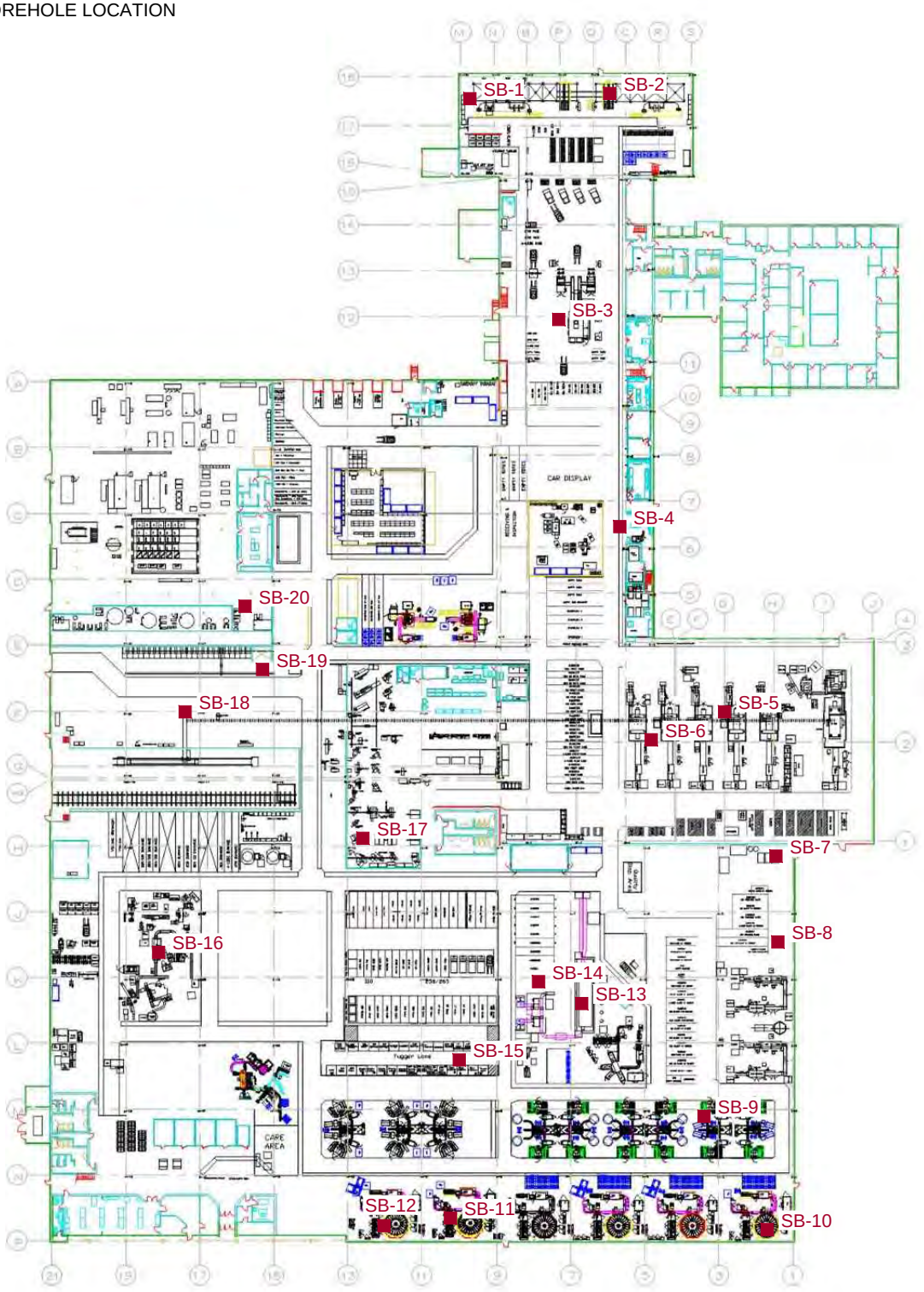
SITE LOCATION

FIGURE 1

CAD File: P:\drawings\11109000s\11109615\11109615-corr\11109615-01(BARN001)\11109615-01(BARN001)GN\11109615-01(BARN001)GN-WA001.dwg

LEGEND

■ BOREHOLE LOCATION



Source: RACER TRUST, PLANT LAYOUT.ppt.

0 50 100ft

Coordinate System:
VIRGINIA NORTH SP NAD83

RACER TRUST
FREDERICKSBURG, VIRGINIA
SUB-SLAB SOIL INVESTIGATION

11109615-01

Oct 21, 2015

INVESTIGATIVE LOCATIONS

FIGURE 2

CAD File: P:\drawings\11109000s\11109615\11109615-corr\11109615-01(BARN001)\11109615-01(BARN001)GN\11109615-01(BARN001)GN-WA002.dwg

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-3**
Sample ID:			**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**	**SO-11109615-SB2(9-9.5)-092215-MD-004**	**SO-11109615-SB3(1-1.5)-092315-MD-005**	**SO-11109615-SB3(2.5-3)-092315-MD-027**	**SO-11109615-SB3(13-13.5)-092315-MD-006**
Sample Date:			**9/22/2015**	**9/22/2015**	**9/22/2015**	**9/22/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:			**(0.5-1) ft BGS**	**(9.5-10) ft BGS**	**(0.5-1) ft BGS**	**(9-9.5) ft BGS**	**(1-1.5) ft BGS**	**(2.5-3) ft BGS**	**(13-13.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
VOAs									
1,1,1-Trichloroethane	mg/kg	3600	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,1,2-Trichloroethane	mg/kg	0.63	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,1-Dichloroethane	mg/kg	160	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,1-Dichloroethene	mg/kg	100	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,2,4-Trichlorobenzene	mg/kg	26	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.0093 U	0.011 U	0.0079 U	0.0092 U	0.0075 U	0.0088 U	0.0095 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,2-Dichlorobenzene	mg/kg	930	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,2-Dichloroethane	mg/kg	14	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,2-Dichloropropane	mg/kg	6.6	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,3-Dichlorobenzene	mg/kg	110	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
1,4-Dichlorobenzene	mg/kg	110	0.00041 J	0.00042 J	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.019 U	0.022 U	0.0012 J	0.018 U	0.015 U	0.018 U	0.019 U
2-Hexanone	mg/kg	130	0.019 U	0.022 U	0.016 U	0.018 U	0.015 U	0.018 U	0.019 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.019 U	0.022 U	0.016 U	0.018 U	0.015 U	0.018 U	0.019 U
Acetone	mg/kg	67000	0.019 U	0.022 U	0.02 J	0.018 U	0.015 U	0.018 U	0.019 U
Benzene	mg/kg	42	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Bromodichloromethane	mg/kg	13	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Bromoform	mg/kg	1600	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Bromomethane (Methyl bromide)	mg/kg	3	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Carbon disulfide	mg/kg	350	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Carbon tetrachloride	mg/kg	29	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Chlorobenzene	mg/kg	130	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Chloroethane	mg/kg	5700	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Chloroform (Trichloromethane)	mg/kg	14	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Chloromethane (Methyl chloride)	mg/kg	46	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
cis-1,2-Dichloroethene	mg/kg	230	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
cis-1,3-Dichloropropene	mg/kg	2300	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Cyclohexane	mg/kg	2700	0.0093 U	0.011 U	0.0079 U	0.0092 U	0.0075 U	0.0088 U	0.0095 U
Dibromochloromethane	mg/kg	32	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Ethylbenzene	mg/kg	250	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Isopropyl benzene	mg/kg	1100	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Methyl acetate	mg/kg	120000	0.0093 U	0.011 U	0.0079 U	0.0092 U	0.0075 U	0.0088 U	0.0095 U
Methyl cyclohexane	mg/kg		0.0093 U	0.011 U	0.0079 U	0.0092 U	0.0075 U	0.0088 U	0.0095 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Methylene chloride	mg/kg	320	0.0047 U	0.0054 U	0.005	0.0046 U	0.0038 U	0.0044 U	0.002 J
Styrene	mg/kg	3500	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Tetrachloroethene	mg/kg	39	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Toluene	mg/kg	4700	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
trans-1,2-Dichloroethene	mg/kg	2300	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
trans-1,3-Dichloropropene	mg/kg	2300	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Trichloroethene	mg/kg	1.9	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Vinyl chloride	mg/kg	17	0.0047 U	0.0054 U	0.0039 U	0.0046 U	0.0038 U	0.0044 U	0.0048 U
Xylenes (total)	mg/kg	250	0.0093 U	0.011 U	0.0079 U	0.0092 U	0.0075 U	0.0088 U	0.0095 U
SVOAs									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
2,4,5-Trichlorophenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4,6-Trichlorophenol	mg/kg	82	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	mg/kg	250	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	mg/kg	1600	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dinitrophenol	mg/kg	160	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrotoluene	mg/kg	74	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloronaphthalene	mg/kg	9300	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
2-Chlorophenol	mg/kg	580	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
2-Methylnaphthalene	mg/kg	300	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
2-Methylphenol	mg/kg	4100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitroaniline	mg/kg	800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	mg/kg		0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
3&4-Methylphenol	mg/kg		0.4 U	0.4 U	0.4 U	0.4 U	0.39 U	0.4 U	0.4 U
3,3'-Dichlorobenzidine	mg/kg	51	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
3-Nitroaniline	mg/kg		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Bromophenyl phenyl ether	mg/kg		0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
4-Chloro-3-methylphenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chloroaniline	mg/kg	120	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chlorophenyl phenyl ether	mg/kg		0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
4-Nitroaniline	mg/kg	330	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	mg/kg		0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthene	mg/kg	4500	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Acenaphthylene	mg/kg	2300	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Acetophenone	mg/kg	12000	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Anthracene	mg/kg	23000	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-1**	**SB-1**	**SB-2**	**SB-2**	**SB-3**	**SB-3**	**SB-3**
Sample ID:			**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**	**SO-11109615-SB2(9-9.5)-092215-MD-004**	**SO-11109615-SB3(1-1.5)-092315-MD-005**	**SO-11109615-SB3(2.5-3)-092315-MD-027**	**SO-11109615-SB3(13-13.5)-092315-MD-006**
Sample Date:			**9/22/2015**	**9/22/2015**	**9/22/2015**	**9/22/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:			**(0.5-1) ft BGS**	**(9.5-10) ft BGS**	**(0.5-1) ft BGS**	**(9-9.5) ft BGS**	**(1-1.5) ft BGS**	**(2.5-3) ft BGS**	**(13-13.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
Atrazine	mg/kg	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzaldehyde	mg/kg	12000	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
Benzo(a)anthracene	mg/kg	29	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Benzo(a)pyrene	mg/kg	2.9	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Benzo(b)fluoranthene	mg/kg	29	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Benzo(g,h,i)perylene	mg/kg	2300	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Benzo(k)fluoranthene	mg/kg	290	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
bis(2-Chloroethyl)ether	mg/kg	10	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.071 U	0.07 U
Butyl benzylphthalate (BBP)	mg/kg	12000	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.071 U	0.07 U
Caprolactam	mg/kg	40000	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	mg/kg		0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Chrysene	mg/kg	2900	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Dibenz(a,h)anthracene	mg/kg	2.9	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Dibenzofuran	mg/kg	100	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Diethyl phthalate	mg/kg	66000	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.071 U	0.07 U
Dimethyl phthalate	mg/kg		0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.071 U	0.07 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.071 U	0.07 U
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.07 U	0.07 U	0.07 U	0.07 U	0.069 U	0.071 U	0.07 U
Fluoranthene	mg/kg	3000	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Fluorene	mg/kg	3000	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Hexachlorobenzene	mg/kg	14	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Hexachlorobutadiene	mg/kg	82	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Hexachlorocyclopentadiene	mg/kg	490	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	mg/kg	58	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Isophorone	mg/kg	16000	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Naphthalene	mg/kg	59	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.013	0.0067 U
Nitrobenzene	mg/kg	130	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
N-Nitrosodiphenylamine	mg/kg	4700	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Pentachlorophenol	mg/kg	40	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	2300	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Phenol	mg/kg	25000	0.05 U	0.05 U	0.05 U	0.05 U	0.049 U	0.051 U	0.05 U
Pyrene	mg/kg	23000	0.0067 U	0.0067 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Metals									
Aluminum	mg/kg	110000	17000 J	6800 J	14000 J	8300 J	14000 J	14000	5300 J
Antimony	mg/kg	47	0.98 UJ	0.74 UJ	0.91 UJ	0.87 UJ	0.81 UJ	0.96 UJ	0.71 UJ
Arsenic	mg/kg	30	2.8	1.3	2.8	1.6	3.2	4.9	1.1
Barium	mg/kg	22000	43 J	11 J	49 J	8.9 J	57 J	40	9.9 J
Beryllium	mg/kg	230	0.42 J	0.30 J	0.35 J	0.35 J	0.45	0.45 J	0.26 J
Cadmium	mg/kg	98	0.20 U	0.15 U	0.18 U	0.17 U	0.16 U	0.19 U	0.14 U
Calcium	mg/kg		1600 J	370 UJ	590 J	430 UJ	810 J	1000	360 UJ
Chromium	mg/kg		16 J	11 J	15 J	17 J	17 J	26	8.2 J
Cobalt	mg/kg	35	5.6	8.2	7.8	4.4	9.3	2.2 J	5.9
Copper	mg/kg	4700	8.0	7.8	6.8	10	7.0	6.9	4.8
Iron	mg/kg	82000	21000 J	13000 J	18000 J	17000 J	19000 J	29000	22000 J
Lead	mg/kg	800	7.7	4.2	8.0	5.3	9.7	6.0	2.0
Magnesium	mg/kg		840 J	560 J	530 J	630 J	640 J	560	130 J
Manganese	mg/kg	2600	210 J	230 J	330 J	250 J	480 J	69	73 J
Mercury	mg/kg	4	0.057 J	0.095 U	0.071 J	0.11 U	0.057 J	0.062 J	0.098 U
Nickel	mg/kg	2200	6.5	4.2	5.8	4.2	6.7	5.4	2.0 J
Potassium	mg/kg		850 J	470 J	1900 J	2500 J	820 J	400 J	360 UJ
Selenium	mg/kg	580	0.49 U	0.25 J	0.45 U	0.43 U	0.32 J	0.48 U	0.27 J
Silver	mg/kg	580	0.49 U	0.37 U	0.45 U	0.43 U	0.41 U	0.48 U	0.36 U
Sodium	mg/kg		420 J	370 U	760	710	1900	190 J	360 U
Thallium	mg/kg	1.2	0.98 U	0.74 U	0.91 U	0.87 U	0.81 U	0.96 U	0.71 U
Vanadium	mg/kg	580	47 J	20 J	41 J	32 J	42 J	57	9.5 J
Zinc	mg/kg	35000	27	13	23	16	24	17	8.6
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.033 U	0.033 U	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			SB-4	SB-4	SB-5	SB-5	SB-5	SB-6	SB-6
Sample ID:			SO-11109615-SB4(1-1.5)-092315-MD-007	SO-11109615-SB4(7-7.5)-092315-MD-008	SO-11109615-SB5(1.5-2)-092315-MD-009	SO-11109615-SB5(5.5-6)-092315-MD-010	SO-11109615-SB5(12.5-13)-092315-MD-011	SO-11109615-SB6(1-1.5)-092315-MD-012	SO-11109615-SB6(6-6.5)-092315-MD-013
Sample Date:			9/23/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015
Sample Depth:			(1-1.5) ft BGS	(7-7.5) ft BGS	(1.5-2) ft BGS	(5.5-6) ft BGS	(12.5-13) ft BGS	(1-1.5) ft BGS	(6-6.5) ft BGS
Parameters	**Units**	**VRP Tier III Screening Concentration**							
VOAs									
1,1,1-Trichloroethane	mg/kg	3600	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,1,2-Trichloroethane	mg/kg	0.63	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,1-Dichloroethane	mg/kg	160	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,1-Dichloroethene	mg/kg	100	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,2,4-Trichlorobenzene	mg/kg	26	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.01 U	0.0084 U	0.0084 U	0.0093 U	0.0097 U	0.011 U	0.01 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,2-Dichlorobenzene	mg/kg	930	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,2-Dichloroethane	mg/kg	14	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,2-Dichloropropane	mg/kg	6.6	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,3-Dichlorobenzene	mg/kg	110	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
1,4-Dichlorobenzene	mg/kg	110	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.02 U	0.017 U	0.017 U	0.019 U	0.019 U	0.022 U	0.02 U
2-Hexanone	mg/kg	130	0.02 U	0.017 U	0.017 U	0.019 U	0.019 U	0.022 U	0.02 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.02 U	0.017 U	0.017 U	0.019 U	0.019 U	0.022 U	0.02 U
Acetone	mg/kg	67000	0.02 U	0.017 U	0.017 U	0.017 J	0.019 U	0.022 U	0.02 U
Benzene	mg/kg	42	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Bromodichloromethane	mg/kg	13	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Bromoform	mg/kg	1600	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Bromomethane (Methyl bromide)	mg/kg	3	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Carbon disulfide	mg/kg	350	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Carbon tetrachloride	mg/kg	29	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Chlorobenzene	mg/kg	130	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Chloroethane	mg/kg	5700	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Chloroform (Trichloromethane)	mg/kg	14	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Chloromethane (Methyl chloride)	mg/kg	46	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	230	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
cis-1,3-Dichloropropene	mg/kg	2300	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Cyclohexane	mg/kg	2700	0.01 U	0.0084 U	0.0084 U	0.0093 U	0.0097 U	0.011 U	0.01 U
Dibromochloromethane	mg/kg	32	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Ethylbenzene	mg/kg	250	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Isopropyl benzene	mg/kg	1100	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Methyl acetate	mg/kg	120000	0.01 U	0.0084 U	0.0084 U	0.0093 U	0.0097 U	0.011 U	0.01 U
Methyl cyclohexane	mg/kg		0.01 U	0.0084 U	0.0084 U	0.0093 U	0.0097 U	0.011 U	0.01 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Methylene chloride	mg/kg	320	0.0051 U	0.0042 U	0.0089	0.011	0.0072	0.0016 J	0.005 U
Styrene	mg/kg	3500	0.0051 U	0.0042 U	0.00037 J	0.0047 U	0.0049 U	0.0054 U	0.005 U
Tetrachloroethene	mg/kg	39	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Toluene	mg/kg	4700	0.0051 U	0.0042 U	0.0003 J	0.00031 J	0.0049 U	0.0054 U	0.005 U
trans-1,2-Dichloroethene	mg/kg	2300	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
trans-1,3-Dichloropropene	mg/kg	2300	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Trichloroethene	mg/kg	1.9	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Vinyl chloride	mg/kg	17	0.0051 U	0.0042 U	0.0042 U	0.0047 U	0.0049 U	0.0054 U	0.005 U
Xylenes (total)	mg/kg	250	0.01 U	0.0084 U	0.0084 U	0.0093 U	0.0097 U	0.011 U	0.01 U
SVOAs									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
2,4,5-Trichlorophenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4,6-Trichlorophenol	mg/kg	82	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	mg/kg	250	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	mg/kg	1600	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dinitrophenol	mg/kg	160	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrotoluene	mg/kg	74	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloronaphthalene	mg/kg	9300	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
2-Chlorophenol	mg/kg	580	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
2-Methylnaphthalene	mg/kg	300	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
2-Methylphenol	mg/kg	4100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitroaniline	mg/kg	800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	mg/kg		0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
3&4-Methylphenol	mg/kg		0.4 U	0.39 U	0.4 U	0.41 U	0.4 U	0.41 U	0.4 U
3,3'-Dichlorobenzidine	mg/kg	51	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
3-Nitroaniline	mg/kg		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Bromophenyl phenyl ether	mg/kg		0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
4-Chloro-3-methylphenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chloroaniline	mg/kg	120	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chlorophenyl phenyl ether	mg/kg		0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
4-Nitroaniline	mg/kg	330	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	mg/kg		0.33 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U	0.33 U
Acenaphthene	mg/kg	4500	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Acenaphthylene	mg/kg	2300	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Acetophenone	mg/kg	12000	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
Anthracene	mg/kg	23000	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-4**	**SB-4**	**SB-5**	**SB-5**	**SB-5**	**SB-6**	**SB-6**
Sample ID:			**SO-11109615-SB4(1-1.5)-092315-MD-007**	**SO-11109615-SB4(7-7.5)-092315-MD-008**	**SO-11109615-SB5(1.5-2)-092315-MD-009**	**SO-11109615-SB5(5.5-6)-092315-MD-010**	**SO-11109615-SB5(12.5-13)-092315-MD-011**	**SO-11109615-SB6(1-1.5)-092315-MD-012**	**SO-11109615-SB6(6-6.5)-092315-MD-013**
Sample Date:			**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:			**(1-1.5) ft BGS**	**(7-7.5) ft BGS**	**(1.5-2) ft BGS**	**(5.5-6) ft BGS**	**(12.5-13) ft BGS**	**(1-1.5) ft BGS**	**(6-6.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
Atrazine	mg/kg	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzaldehyde	mg/kg	12000	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
Benzo(a)anthracene	mg/kg	29	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Benzo(a)pyrene	mg/kg	2.9	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Benzo(b)fluoranthene	mg/kg	29	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0043 J	0.0066 U
Benzo(g,h,i)perylene	mg/kg	2300	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Benzo(k)fluoranthene	mg/kg	290	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
bis(2-Chloroethyl)ether	mg/kg	10	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.07 U	0.03 J	0.071 U	0.071 U	0.07 U	0.071 U	0.022 J
Butyl benzylphthalate (BBP)	mg/kg	12000	0.07 U	0.069 U	0.071 U	0.071 U	0.07 U	0.071 U	0.07 U
Caprolactam	mg/kg	40000	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U	0.33 U
Carbazole	mg/kg		0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Chrysene	mg/kg	2900	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Dibenz(a,h)anthracene	mg/kg	2.9	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Dibenzofuran	mg/kg	100	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Diethyl phthalate	mg/kg	66000	0.07 U	0.069 U	0.071 U	0.071 U	0.07 U	0.071 U	0.07 U
Dimethyl phthalate	mg/kg		0.07 U	0.069 U	0.071 U	0.071 U	0.07 U	0.071 U	0.07 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.07 U	0.069 U	0.071 U	0.071 U	0.07 U	0.071 U	0.07 U
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.07 U	0.069 U	0.071 U	0.071 U	0.07 U	0.071 U	0.07 U
Fluoranthene	mg/kg	3000	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0056 J	0.0066 U
Fluorene	mg/kg	3000	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Hexachlorobenzene	mg/kg	14	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Hexachlorobutadiene	mg/kg	82	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Hexachlorocyclopentadiene	mg/kg	490	0.33 U	0.33 U	0.33 U	0.34 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	mg/kg	58	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Isophorone	mg/kg	16000	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Naphthalene	mg/kg	59	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Nitrobenzene	mg/kg	130	0.1 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.099 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
N-Nitrosodiphenylamine	mg/kg	4700	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Pentachlorophenol	mg/kg	40	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	2300	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0068 U	0.0066 U
Phenol	mg/kg	25000	0.05 U	0.049 U	0.051 U	0.051 U	0.05 U	0.051 U	0.05 U
Pyrene	mg/kg	23000	0.0067 U	0.0066 U	0.0067 U	0.0068 U	0.0066 U	0.0053 J	0.0066 U
Metals									
Aluminum	mg/kg	110000	12000 J	10000 J	7900 J	3000 J	8100 J	4600 J	2000 J
Antimony	mg/kg	47	0.84 UJ	0.93 UJ	0.85 UJ	0.71 UJ	0.74 UJ	0.83 UJ	0.71 UJ
Arsenic	mg/kg	30	2.7	2.2	1.7	0.70 J	1.1	1.2	0.54 J
Barium	mg/kg	22000	50 J	16 J	19 J	20 J	86 J	18 J	12 J
Beryllium	mg/kg	230	0.39 J	0.34 J	0.35 J	0.26 J	0.39	0.25 J	0.18 J
Cadmium	mg/kg	98	0.17 U	0.19 U	0.17 U	0.14 U	0.15 U	0.17 U	0.14 U
Calcium	mg/kg		970 J	660 J	400 J	790 J	1400 J	2100 J	360 UJ
Chromium	mg/kg		12 J	14 J	11 J	12 J	29 J	12 J	8.7 J
Cobalt	mg/kg	35	6.1	3.1 J	6.1	4.2	6.7	4.9	4.6
Copper	mg/kg	4700	5.0	6.9	6.1	3.4	9.5	5.5	2.9
Iron	mg/kg	82000	14000 J	21000 J	16000 J	8200 J	13000 J	14000 J	6100 J
Lead	mg/kg	800	6.3	5.6	4.2	2.2	3.3	3.9	2.3
Magnesium	mg/kg		580 J	520 J	370 J	290 J	3800 J	640 J	280 J
Manganese	mg/kg	2600	280 J	130 J	180 J	260 J	230 J	210 J	190 J
Mercury	mg/kg	4	0.050 J	0.019 J	0.035 J	0.086 U	0.094 U	0.11 U	0.095 U
Nickel	mg/kg	2200	5.4	2.9 J	3.0 J	2.0 J	14	3.1 J	1.8 J
Potassium	mg/kg		400 J	410 J	400 J	190 J	3600 J	370 J	360 UJ
Selenium	mg/kg	580	0.69	0.46 U	0.40 J	0.35 U	0.27 J	0.34 J	0.36 U
Silver	mg/kg	580	0.42 U	0.46 U	0.42 U	0.35 U	0.37 U	0.41 U	0.36 U
Sodium	mg/kg		420 U	460 U	420 U	350 U	370 U	410 U	360 U
Thallium	mg/kg	1.2	0.84 U	0.93 U	0.85 U	0.71 U	0.74 U	0.83 U	0.71 U
Vanadium	mg/kg	580	32 J	34 J	26 J	16 J	31 J	21 J	13 J
Zinc	mg/kg	35000	20	16	13	9.3	30	12	8.0
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-6**	**SB-7**	**SB-7**	**SB-8**	**SB-8**	**SB-9**	**SB-9**
Sample ID:			**SO-11109615-SB6(12.5-13)-092315-MD-014**	**SO-11109615-SB7(1-1.5)-092315-MD-015**	**SO-11109615-SB7(8-8.5)-092315-MD-016**	**SO-11109615-SB8(1-1.5)-092315-MD-017**	**SO-11109615-SB8(8.5-9)-092315-MD-018**	**SO-11109615-SB9(1-1.5)-092315-MD-019**	**SO-11109615-SB9(8-8.5)-092315-MD-020**
Sample Date:			**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:			**(12.5-13) ft BGS**	**(1-1.5) ft BGS**	**(8-8.5) ft BGS**	**(1-1.5) ft BGS**	**(8.5-9) ft BGS**	**(1-1.5) ft BGS**	**(8-8.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
VOAs									
1,1,1-Trichloroethane	mg/kg	3600	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,1,2-Trichloroethane	mg/kg	0.63	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,1-Dichloroethane	mg/kg	160	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,1-Dichloroethene	mg/kg	100	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,2,4-Trichlorobenzene	mg/kg	26	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.0086 U	0.008 U	0.0099 U	0.0089 U	0.01 U	0.0084 U	0.0076 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,2-Dichlorobenzene	mg/kg	930	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,2-Dichloroethane	mg/kg	14	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,2-Dichloropropane	mg/kg	6.6	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,3-Dichlorobenzene	mg/kg	110	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
1,4-Dichlorobenzene	mg/kg	110	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.00025 J	0.0038 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.017 U	0.016 U	0.02 U	0.0032 J	0.02 U	0.017 U	0.015 U
2-Hexanone	mg/kg	130	0.017 U	0.016 U	0.02 U	0.018 U	0.02 U	0.017 U	0.015 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.017 U	0.016 U	0.02 U	0.018 U	0.02 U	0.017 U	0.015 U
Acetone	mg/kg	67000	0.017 U	0.024	0.017 J	0.035	0.02 U	0.017 U	0.0045 J
Benzene	mg/kg	42	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Bromodichloromethane	mg/kg	13	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Bromoform	mg/kg	1600	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Bromomethane (Methyl bromide)	mg/kg	3	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Carbon disulfide	mg/kg	350	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Carbon tetrachloride	mg/kg	29	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Chlorobenzene	mg/kg	130	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Chloroethane	mg/kg	5700	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Chloroform (Trichloromethane)	mg/kg	14	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Chloromethane (Methyl chloride)	mg/kg	46	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
cis-1,2-Dichloroethene	mg/kg	230	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
cis-1,3-Dichloropropene	mg/kg	2300	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Cyclohexane	mg/kg	2700	0.0086 U	0.008 U	0.0099 U	0.0089 U	0.01 U	0.0084 U	0.0076 U
Dibromochloromethane	mg/kg	32	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Ethylbenzene	mg/kg	250	0.0043 U	0.004 U	0.0027 J	0.0045 U	0.005 U	0.0042 U	0.0038 U
Isopropyl benzene	mg/kg	1100	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Methyl acetate	mg/kg	120000	0.0086 U	0.008 U	0.0099 U	0.0089 U	0.01 U	0.0084 U	0.0076 U
Methyl cyclohexane	mg/kg		0.0086 U	0.008 U	0.0099 U	0.0089 U	0.01 U	0.0084 U	0.0076 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Methylene chloride	mg/kg	320	0.0027 J	0.002 J	0.0072	0.0029 J	0.0034 J	0.0017 J	0.0038 U
Styrene	mg/kg	3500	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Tetrachloroethene	mg/kg	39	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Toluene	mg/kg	4700	0.0043 U	0.00022 J	0.0014 J	0.00026 J	0.005 U	0.0042 U	0.0038 U
trans-1,2-Dichloroethene	mg/kg	2300	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
trans-1,3-Dichloropropene	mg/kg	2300	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Trichloroethene	mg/kg	1.9	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Vinyl chloride	mg/kg	17	0.0043 U	0.004 U	0.0049 U	0.0045 U	0.005 U	0.0042 U	0.0038 U
Xylenes (total)	mg/kg	250	0.0086 U	0.00075 J	0.013	0.0089 U	0.01 U	0.0084 U	0.0076 U
SVOAs									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-Trichlorophenol	mg/kg	8200	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4,6-Trichlorophenol	mg/kg	82	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	mg/kg	250	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	mg/kg	1600	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dinitrophenol	mg/kg	160	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrotoluene	mg/kg	74	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	15	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloronaphthalene	mg/kg	9300	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
2-Chlorophenol	mg/kg	580	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
2-Methylnaphthalene	mg/kg	300	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
2-Methylphenol	mg/kg	4100	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitroaniline	mg/kg	800	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	mg/kg		0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
3&4-Methylphenol	mg/kg		4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.41 U
3,3'-Dichlorobenzidine	mg/kg	51	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
3-Nitroaniline	mg/kg		2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Bromophenyl phenyl ether	mg/kg		0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
4-Chloro-3-methylphenol	mg/kg	8200	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chloroaniline	mg/kg	120	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chlorophenyl phenyl ether	mg/kg		0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
4-Nitroaniline	mg/kg	330	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	mg/kg		3.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthene	mg/kg	4500	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Acenaphthylene	mg/kg	2300	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Acetophenone	mg/kg	12000	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Anthracene	mg/kg	23000	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			SB-6	SB-7	SB-7	SB-8	SB-8	SB-9	SB-9
Sample ID:			SO-11109615-SB6(12.5-13)-092315-MD-014	SO-11109615-SB7(1-1.5)-092315-MD-015	SO-11109615-SB7(8-8.5)-092315-MD-016	SO-11109615-SB8(1-1.5)-092315-MD-017	SO-11109615-SB8(8.5-9)-092315-MD-018	SO-11109615-SB9(1-1.5)-092315-MD-019	SO-11109615-SB9(8-8.5)-092315-MD-020
Sample Date:			9/23/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015	9/23/2015
Sample Depth:			(12.5-13) ft BGS	(1-1.5) ft BGS	(8-8.5) ft BGS	(1-1.5) ft BGS	(8.5-9) ft BGS	(1-1.5) ft BGS	(8-8.5) ft BGS
Parameters	**Units**	**VRP Tier III Screening Concentration**							
Atrazine	mg/kg	100	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzaldehyde	mg/kg	12000	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)anthracene	mg/kg	29	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Benzo(a)pyrene	mg/kg	2.9	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Benzo(b)fluoranthene	mg/kg	29	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Benzo(g,h,i)perylene	mg/kg	2300	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Benzo(k)fluoranthene	mg/kg	290	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
bis(2-Chloroethyl)ether	mg/kg	10	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.69 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
Butyl benzylphthalate (BBP)	mg/kg	12000	0.69 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
Caprolactam	mg/kg	40000	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	mg/kg		0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Chrysene	mg/kg	2900	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Dibenz(a,h)anthracene	mg/kg	2.9	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Dibenzofuran	mg/kg	100	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Diethyl phthalate	mg/kg	66000	0.69 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
Dimethyl phthalate	mg/kg		0.69 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.69 U	0.069 U	0.02 J	0.028 J	0.07 U	0.028 J	0.071 U
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.69 U	0.069 U	0.07 U	0.07 U	0.07 U	0.07 U	0.071 U
Fluoranthene	mg/kg	3000	0.066 U	0.0066 U	0.0066 U	0.0047 J	0.0066 U	0.0067 U	0.0068 U
Fluorene	mg/kg	3000	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Hexachlorobenzene	mg/kg	14	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Hexachlorobutadiene	mg/kg	82	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Hexachlorocyclopentadiene	mg/kg	490	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	mg/kg	58	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Isophorone	mg/kg	16000	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Naphthalene	mg/kg	59	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0037 J
Nitrobenzene	mg/kg	130	0.99 U	0.099 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
N-Nitrosodiphenylamine	mg/kg	4700	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Pentachlorophenol	mg/kg	40	1.5 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	2300	0.066 U	0.0066 U	0.0066 U	0.0067 U	0.0066 U	0.0067 U	0.0068 U
Phenol	mg/kg	25000	0.5 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.051 U
Pyrene	mg/kg	23000	0.066 U	0.0066 U	0.0066 U	0.0047 J	0.0066 U	0.0067 U	0.0068 U
Metals									
Aluminum	mg/kg	110000	4400 J	16000 J	9500 J	5200 J	12000	7000	13000
Antimony	mg/kg	47	0.79 UJ	0.81 UJ	0.92 UJ	0.80 UJ	1.0 UJ	0.95 UJ	0.91 UJ
Arsenic	mg/kg	30	1.0	2.6	2.0	1.4	2.3	1.2	2.3
Barium	mg/kg	22000	19 J	50 J	14 J	27 J	20	20	22
Beryllium	mg/kg	230	0.22 J	0.47	0.41 J	0.15 J	0.38 J	0.34 J	0.40 J
Cadmium	mg/kg	98	0.16 U	0.16 U	0.18 U	0.16 U	0.20 U	0.19 U	0.18 U
Calcium	mg/kg		9100 J	1700 J	3000 J	830 J	2300	1400	360 J
Chromium	mg/kg		12 J	14 J	13 J	11 J	18	11	17
Cobalt	mg/kg	35	3.7 J	6.3	2.5 J	2.1 J	1.8 J	6.2	1.9 J
Copper	mg/kg	4700	4.9	7.0	9.9	4.9	8.9	11	8.6
Iron	mg/kg	82000	8000 J	16000 J	21000 J	8000 J	23000	12000	24000
Lead	mg/kg	800	2.6	12	5.7	3.0	6.0	3.6	7.0
Magnesium	mg/kg		820 J	730 J	590 J	940 J	640	1900	460
Manganese	mg/kg	2600	190 J	260 J	110 J	100 J	54	250	59
Mercury	mg/kg	4	0.092 U	0.048 J	0.022 J	0.10 U	0.015 J	0.11 U	0.036 J
Nickel	mg/kg	2200	3.2	7.4	3.8	2.3 J	4.0	5.1	4.0
Potassium	mg/kg		290 J	510 J	350 J	860 J	470 J	480 J	450 J
Selenium	mg/kg	580	0.40 U	0.41 U	0.43 J	0.40 U	0.50 U	0.32 J	0.61
Silver	mg/kg	580	0.40 U	0.41 U	0.46 U	0.40 U	0.50 U	0.48 U	0.45 U
Sodium	mg/kg		400 U	220 J	2100	1400	130 J	22 J	24 J
Thallium	mg/kg	1.2	0.79 U	0.81 U	0.92 U	0.80 U	1.0 U	0.95 U	0.91 U
Vanadium	mg/kg	580	16 J	39 J	33 J	17 J	40	22	37
Zinc	mg/kg	35000	11	30	17	8.7	18	25	17
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-10**	**SB-10**	**SB-11**	**SB-11**	**SB-12**	**SB-12**	**SB-13**
Sample ID:			**SO-11109615-SB10(1-1.5)-092315-MD-021**	**SO-11109615-SB10(8-8.5)-092315-MD-022**	**SO-11109615-SB11(1.5-2)-092315-MD-023**	**SO-11109615-SB11(8-8.5)-092315-MD-024**	**SO-11109615-SB12(1-1.5)-092315-MD-025**	**SO-11109615-SB12(8-8.5)-092315-MD-026**	**SO-11109615-SB13(2-2.5)-092415-MD-030**
Sample Date:			**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/24/2015**
Sample Depth:			**(1-1.5) ft BGS**	**(8-8.5) ft BGS**	**(1.5-2) ft BGS**	**(8-8.5) ft BGS**	**(1-1.5) ft BGS**	**(8-8.5) ft BGS**	**(2-2.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
VOAs									
1,1,1-Trichloroethane	mg/kg	3600	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,1,2-Trichloroethane	mg/kg	0.63	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,1-Dichloroethane	mg/kg	160	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,1-Dichloroethene	mg/kg	100	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,2,4-Trichlorobenzene	mg/kg	26	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.0091 U	0.0097 U	0.45 U	0.0095 U	0.0082 U	0.0083 U	0.01 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,2-Dichlorobenzene	mg/kg	930	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,2-Dichloroethane	mg/kg	14	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,2-Dichloropropane	mg/kg	6.6	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,3-Dichlorobenzene	mg/kg	110	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
1,4-Dichlorobenzene	mg/kg	110	0.0004 J	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.00039 J
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.0049 J	0.019 U	0.91 U	0.019 U	0.007 J	0.017 U	0.017 J
2-Hexanone	mg/kg	130	0.018 U	0.019 U	0.91 U	0.019 U	0.016 U	0.017 U	0.0029 J
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.018 U	0.019 U	0.91 U	0.019 U	0.016 U	0.017 U	0.0025 J
Acetone	mg/kg	67000	0.03 J	0.019 U	0.91 U	0.027	0.041 J	0.017 U	0.12
Benzene	mg/kg	42	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Bromodichloromethane	mg/kg	13	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Bromoform	mg/kg	1600	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Bromomethane (Methyl bromide)	mg/kg	3	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Carbon disulfide	mg/kg	350	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.00091 J
Carbon tetrachloride	mg/kg	29	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Chlorobenzene	mg/kg	130	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Chloroethane	mg/kg	5700	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Chloroform (Trichloromethane)	mg/kg	14	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Chloromethane (Methyl chloride)	mg/kg	46	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	230	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
cis-1,3-Dichloropropene	mg/kg	2300	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Cyclohexane	mg/kg	2700	0.0091 U	0.0097 U	0.45 U	0.0095 U	0.0082 U	0.0083 U	0.01 U
Dibromochloromethane	mg/kg	32	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Ethylbenzene	mg/kg	250	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Isopropyl benzene	mg/kg	1100	0.00031 J	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Methyl acetate	mg/kg	120000	0.0091 U	0.0097 U	1.4	0.0095 U	0.0082 U	0.0083 U	0.01 U
Methyl cyclohexane	mg/kg		0.0091 U	0.0097 U	0.45 U	0.0095 U	0.0082 U	0.0083 U	0.01 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Methylene chloride	mg/kg	320	0.0045 U	0.0023 J	0.17 J	0.0071	0.0041 U	0.011 J	0.0052 U
Styrene	mg/kg	3500	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Tetrachloroethene	mg/kg	39	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Toluene	mg/kg	4700	0.00034 J	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
trans-1,2-Dichloroethene	mg/kg	2300	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
trans-1,3-Dichloropropene	mg/kg	2300	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Trichloroethene	mg/kg	1.9	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Vinyl chloride	mg/kg	17	0.0045 U	0.0048 U	0.23 U	0.0047 U	0.0041 U	0.0041 U	0.005 U
Xylenes (total)	mg/kg	250	0.0091 U	0.0097 U	0.45 U	0.0095 U	0.0082 U	0.0083 U	0.01 U
SVOAs									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-Trichlorophenol	mg/kg	8200	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4,6-Trichlorophenol	mg/kg	82	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	mg/kg	250	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	mg/kg	1600	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dinitrophenol	mg/kg	160	3.3 U	0.33 U	1.7 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrotoluene	mg/kg	74	2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	15	2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloronaphthalene	mg/kg	9300	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Chlorophenol	mg/kg	580	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Methylnaphthalene	mg/kg	300	0.066 U	0.0067 U	0.03 J	0.0067 U	0.0066 U	0.0067 U	0.0067 U
2-Methylphenol	mg/kg	4100	2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitroaniline	mg/kg	800	2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	mg/kg		0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
3&4-Methylphenol	mg/kg		3.9 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U	0.079 J
3,3'-Dichlorobenzidine	mg/kg	51	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
3-Nitroaniline	mg/kg		2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Bromophenyl phenyl ether	mg/kg		0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Chloro-3-methylphenol	mg/kg	8200	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chloroaniline	mg/kg	120	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chlorophenyl phenyl ether	mg/kg		0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Nitroaniline	mg/kg	330	2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	mg/kg		3.3 U	0.33 U	1.7 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthene	mg/kg	4500	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Acenaphthylene	mg/kg	2300	0.066 U	0.0067 U	0.034	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Acetophenone	mg/kg	12000	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
Anthracene	mg/kg	23000	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.005 J

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-10**	**SB-10**	**SB-11**	**SB-11**	**SB-12**	**SB-12**	**SB-13**
Sample ID:			**SO-11109615-SB10(1-1.5)-092315-MD-021**	**SO-11109615-SB10(8-8.5)-092315-MD-022**	**SO-11109615-SB11(1.5-2)-092315-MD-023**	**SO-11109615-SB11(8-8.5)-092315-MD-024**	**SO-11109615-SB12(1-1.5)-092315-MD-025**	**SO-11109615-SB12(8-8.5)-092315-MD-026**	**SO-11109615-SB13(2-2.5)-092415-MD-030**
Sample Date:			**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/23/2015**	**9/24/2015**
Sample Depth:			**(1-1.5) ft BGS**	**(8-8.5) ft BGS**	**(1.5-2) ft BGS**	**(8-8.5) ft BGS**	**(1-1.5) ft BGS**	**(8-8.5) ft BGS**	**(2-2.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
Atrazine	mg/kg	100	2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzaldehyde	mg/kg	12000	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)anthracene	mg/kg	29	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.007
Benzo(a)pyrene	mg/kg	2.9	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0089
Benzo(b)fluoranthene	mg/kg	29	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.015
Benzo(g,h,i)perylene	mg/kg	2300	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Benzo(k)fluoranthene	mg/kg	290	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
bis(2-Chloroethyl)ether	mg/kg	10	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.69 U	0.07 U	0.35 U	0.071 U	0.07 U	0.07 U	0.07 U
Butyl benzylphthalate (BBP)	mg/kg	12000	0.69 U	0.07 U	0.35 U	0.071 U	0.07 U	0.07 U	0.07 U
Caprolactam	mg/kg	40000	3.3 U	0.33 U	1.7 U	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	mg/kg		0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
Chrysene	mg/kg	2900	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0093
Dibenz(a,h)anthracene	mg/kg	2.9	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Dibenzofuran	mg/kg	100	0.49 U	0.05 U	0.091 J	0.05 U	0.05 U	0.05 U	0.05 U
Diethyl phthalate	mg/kg	66000	0.69 U	0.07 U	0.35 U	0.071 U	0.07 U	0.07 U	0.07 U
Dimethyl phthalate	mg/kg		0.69 U	0.07 U	0.35 U	0.071 U	0.07 U	0.07 U	0.07 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.69 U	0.017 J	0.35 U	0.071 U	0.031 J	0.07 U	0.07 U
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.69 U	0.07 U	0.35 U	0.071 U	0.07 U	0.07 U	0.07 U
Fluoranthene	mg/kg	3000	0.066 U	0.0067 U	0.037	0.0067 U	0.0066 U	0.0067 U	0.027
Fluorene	mg/kg	3000	0.066 U	0.0067 U	0.24	0.0067 U	0.0066 U	0.0067 U	0.0039 J
Hexachlorobenzene	mg/kg	14	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Hexachlorobutadiene	mg/kg	82	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorocyclopentadiene	mg/kg	490	3.3 U	0.33 U	1.7 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	mg/kg	58	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Isophorone	mg/kg	16000	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
Naphthalene	mg/kg	59	0.066 U	0.0067 U	0.033 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U
Nitrobenzene	mg/kg	130	0.99 U	0.1 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
N-Nitrosodiphenylamine	mg/kg	4700	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
Pentachlorophenol	mg/kg	40	1.5 U	0.15 U	0.75 U	0.15 U	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	2300	0.066 U	0.0067 U	0.54	0.0067 U	0.0066 U	0.0067 U	0.023
Phenol	mg/kg	25000	0.49 U	0.05 U	0.25 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyrene	mg/kg	23000	0.066 U	0.0067 U	0.12	0.0067 U	0.0066 U	0.0067 U	0.024
Metals									
Aluminum	mg/kg	110000	9300	15000	6300	8500	18000	11000	7000
Antimony	mg/kg	47	0.84 UJ	0.87 UJ	0.81 UJ	0.94 UJ	0.82 UJ	0.93 UJ	0.92 U
Arsenic	mg/kg	30	2.0	3.5	1.6	1.6	2.3	1.5	1.3
Barium	mg/kg	22000	21	20	23	33	37	39	55
Beryllium	mg/kg	230	0.36 J	0.59	0.29 J	0.22 J	0.60	0.26 J	0.38 J
Cadmium	mg/kg	98	0.17 U	0.17 U	0.16 U	0.19 U	0.16 U	0.19 U	0.18 U
Calcium	mg/kg		910	1000	3300	3700	1600	1300	1200
Chromium	mg/kg		13	21	17	12	15	16	11
Cobalt	mg/kg	35	4.4	1.6 J	4.8	0.82 J	5.2	0.85 J	3.5 J
Copper	mg/kg	4700	9.7	12	25	5.6	12	6.9	7.3
Iron	mg/kg	82000	29000	34000	13000	3600	23000	3900	8300
Lead	mg/kg	800	5.0	7.4	6.5	4.0	8.5	6.4	5.7
Magnesium	mg/kg		930	460	3400	490	1000	450 J	1600
Manganese	mg/kg	2600	200	41	220	46	180	28	240
Mercury	mg/kg	4	0.016 J	0.035 J	0.11 U	0.022 J	0.036 J	0.044 J	0.024 J
Nickel	mg/kg	2200	3.3 J	3.5	10	2.9 J	6.8	3.3 J	6.1
Potassium	mg/kg		400 J	370 J	1300 J	360 J	790 J	300 J	760
Selenium	mg/kg	580	0.45	0.91	0.33 J	0.47 U	0.44	0.39 J	0.46 U
Silver	mg/kg	580	0.42 U	0.43 U	0.41 U	0.47 U	0.41 U	0.46 U	0.46 U
Sodium	mg/kg		45 J	430 U	76 J	28 J	35 J	18 J	840
Thallium	mg/kg	1.2	0.84 U	0.87 U	0.81 U	0.94 U	0.82 U	0.93 U	0.92 U
Vanadium	mg/kg	580	31	46	23	30	56	35	19
Zinc	mg/kg	35000	19	18	31	8.3	31	10	23
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.033 U	0.033 U	0.014 J	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**
Sample ID:			**SO-11109615-SB13(6-6.5)-092415-MD-031**	**SO-11109615-SB13(14.5-15)-092415-MD-032**	**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**	**SO-11109615-SB15(8.5-9)-092415-MD-029**	**SO-11109615-SB16(1.5-2)-092415-MD-035**
Sample Date:			**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:			**(6-6.5) ft BGS**	**(14.5-15) ft BGS**	**(2-2.5) ft BGS**	**(8-8.5) ft BGS**	**(3.5-4) ft BGS**	**(8.5-9) ft BGS**	**(1.5-2) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
VOAs									
1,1,1-Trichloroethane	mg/kg	3600	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,1,2-Trichloroethane	mg/kg	0.63	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,1-Dichloroethane	mg/kg	160	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,1-Dichloroethene	mg/kg	100	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,2,4-Trichlorobenzene	mg/kg	26	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.008 U	0.0088 U	0.0091 U	0.0091 U	0.0082 U	0.0084 U	0.0071 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,2-Dichlorobenzene	mg/kg	930	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,2-Dichloroethane	mg/kg	14	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,2-Dichloropropane	mg/kg	6.6	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,3-Dichlorobenzene	mg/kg	110	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
1,4-Dichlorobenzene	mg/kg	110	0.00025 J	0.0004 J	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.0009 J	0.018 U	0.0019 J	0.018 U	0.0044 J	0.017 U	0.001 J
2-Hexanone	mg/kg	130	0.016 U	0.018 U	0.018 U	0.018 U	0.016 U	0.017 U	0.014 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.016 U	0.018 U	0.018 U	0.018 U	0.016 U	0.017 U	0.014 U
Acetone	mg/kg	67000	0.016 U	0.018 U	0.059	0.018 U	0.15	0.017 U	0.014 U
Benzene	mg/kg	42	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Bromodichloromethane	mg/kg	13	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Bromoform	mg/kg	1600	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Bromomethane (Methyl bromide)	mg/kg	3	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Carbon disulfide	mg/kg	350	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Carbon tetrachloride	mg/kg	29	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Chlorobenzene	mg/kg	130	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Chloroethane	mg/kg	5700	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Chloroform (Trichloromethane)	mg/kg	14	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Chloromethane (Methyl chloride)	mg/kg	46	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
cis-1,2-Dichloroethene	mg/kg	230	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
cis-1,3-Dichloropropene	mg/kg	2300	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Cyclohexane	mg/kg	2700	0.008 U	0.0088 U	0.0091 U	0.0091 U	0.0082 U	0.0084 U	0.0071 U
Dibromochloromethane	mg/kg	32	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Ethylbenzene	mg/kg	250	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Isopropyl benzene	mg/kg	1100	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Methyl acetate	mg/kg	120000	0.008 U	0.0088 U	0.0091 U	0.0091 U	0.0082 U	0.0084 U	0.0071 U
Methyl cyclohexane	mg/kg		0.008 U	0.0088 U	0.0091 U	0.0091 U	0.0082 U	0.0084 U	0.0071 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Methylene chloride	mg/kg	320	0.004 U	0.0044 U	0.013 J	0.005	0.0041 U	0.0042 U	0.0063
Styrene	mg/kg	3500	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Tetrachloroethene	mg/kg	39	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Toluene	mg/kg	4700	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
trans-1,2-Dichloroethene	mg/kg	2300	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
trans-1,3-Dichloropropene	mg/kg	2300	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Trichloroethene	mg/kg	1.9	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Vinyl chloride	mg/kg	17	0.004 U	0.0044 U	0.0045 U	0.0045 U	0.0041 U	0.0042 U	0.0036 U
Xylenes (total)	mg/kg	250	0.008 U	0.0088 U	0.0091 U	0.0091 U	0.00046 J	0.0084 U	0.0071 U
SVOAs									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
2,4,5-Trichlorophenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
2,4,6-Trichlorophenol	mg/kg	82	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
2,4-Dichlorophenol	mg/kg	250	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
2,4-Dimethylphenol	mg/kg	1600	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
2,4-Dinitrophenol	mg/kg	160	0.33 U	0.33 U	0.33 U	0.33 U	3.3 U	0.33 U	R
2,4-Dinitrotoluene	mg/kg	74	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.4 U
2,6-Dinitrotoluene	mg/kg	15	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.4 U
2-Chloronaphthalene	mg/kg	9300	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
2-Chlorophenol	mg/kg	580	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	R
2-Methylnaphthalene	mg/kg	300	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.013 U
2-Methylphenol	mg/kg	4100	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	R
2-Nitroaniline	mg/kg	800	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.4 U
2-Nitrophenol	mg/kg		0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	R
3&4-Methylphenol	mg/kg		0.4 U	0.4 U	0.4 U	0.4 U	4 U	0.4 U	R
3,3'-Dichlorobenzidine	mg/kg	51	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
3-Nitroaniline	mg/kg		0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.4 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
4-Bromophenyl phenyl ether	mg/kg		0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
4-Chloro-3-methylphenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
4-Chloroaniline	mg/kg	120	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	0.3 U
4-Chlorophenyl phenyl ether	mg/kg		0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
4-Nitroaniline	mg/kg	330	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.4 U
4-Nitrophenol	mg/kg		0.33 U	0.33 U	0.33 U	0.33 U	3.3 U	0.33 U	R
Acenaphthene	mg/kg	4500	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.013 U
Acenaphthylene	mg/kg	2300	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.013 U
Acetophenone	mg/kg	12000	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
Anthracene	mg/kg	23000	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.2

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-13**	**SB-13**	**SB-14**	**SB-14**	**SB-15**	**SB-15**	**SB-16**
Sample ID:			**SO-11109615-SB13(6-6.5)-092415-MD-031**	**SO-11109615-SB13(14.5-15)-092415-MD-032**	**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**	**SO-11109615-SB15(8.5-9)-092415-MD-029**	**SO-11109615-SB16(1.5-2)-092415-MD-035**
Sample Date:			**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:			**(6-6.5) ft BGS**	**(14.5-15) ft BGS**	**(2-2.5) ft BGS**	**(8-8.5) ft BGS**	**(3.5-4) ft BGS**	**(8.5-9) ft BGS**	**(1.5-2) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
Atrazine	mg/kg	100	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.4 U
Benzaldehyde	mg/kg	12000	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
Benzo(a)anthracene	mg/kg	29	0.0066 U	0.0068 U	0.0047 J	0.0066 U	0.067 U	0.0067 U	1
Benzo(a)pyrene	mg/kg	2.9	0.0066 U	0.0068 U	0.0055 J	0.0066 U	0.067 U	0.0067 U	0.98
Benzo(b)fluoranthene	mg/kg	29	0.0066 U	0.0068 U	0.0084	0.0066 U	0.067 U	0.0067 U	1.2
Benzo(g,h,i)perylene	mg/kg	2300	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.21
Benzo(k)fluoranthene	mg/kg	290	0.0066 U	0.0068 U	0.004 J	0.0066 U	0.067 U	0.0067 U	0.51
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
bis(2-Chloroethyl)ether	mg/kg	10	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.069 U	0.071 U	0.07 U	0.069 U	0.7 U	0.07 U	0.14 U
Butyl benzylphthalate (BBP)	mg/kg	12000	0.069 U	0.071 U	0.07 U	0.069 U	0.7 U	0.07 U	0.14 U
Caprolactam	mg/kg	40000	0.33 U	0.33 U	0.33 U	0.33 U	3.3 U	0.33 U	0.66 U
Carbazole	mg/kg		0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
Chrysene	mg/kg	2900	0.0066 U	0.0068 U	0.0061 J	0.0066 U	0.067 U	0.0067 U	1.1
Dibenz(a,h)anthracene	mg/kg	2.9	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.013 U
Dibenzofuran	mg/kg	100	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
Diethyl phthalate	mg/kg	66000	0.069 U	0.071 U	0.07 U	0.069 U	0.7 U	0.07 U	0.14 U
Dimethyl phthalate	mg/kg		0.069 U	0.071 U	0.07 U	0.069 U	0.7 U	0.07 U	0.14 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.069 U	0.071 U	0.07 U	0.069 U	0.7 U	0.07 U	0.14 U
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.069 U	0.071 U	0.07 U	0.069 U	0.7 U	0.07 U	0.14 U
Fluoranthene	mg/kg	3000	0.0066 U	0.0068 U	0.009	0.0066 U	0.067 U	0.0067 U	1.1
Fluorene	mg/kg	3000	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.0096 J
Hexachlorobenzene	mg/kg	14	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.013 U
Hexachlorobutadiene	mg/kg	82	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
Hexachlorocyclopentadiene	mg/kg	490	0.33 U	0.33 U	0.33 U	0.33 U	3.3 U	0.33 U	0.66 U
Hexachloroethane	mg/kg	58	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.17
Isophorone	mg/kg	16000	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
Naphthalene	mg/kg	59	0.0066 U	0.0068 U	0.0066 U	0.0066 U	0.067 U	0.0067 U	0.013 U
Nitrobenzene	mg/kg	130	0.099 U	0.1 U	0.099 U	0.099 U	1 U	0.1 U	0.2 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
N-Nitrosodiphenylamine	mg/kg	4700	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	0.1 U
Pentachlorophenol	mg/kg	40	0.15 U	0.15 U	0.15 U	0.15 U	1.5 U	0.15 U	R
Phenanthrene	mg/kg	2300	0.0066 U	0.0068 U	0.0043 J	0.0066 U	0.067 U	0.0067 U	0.36
Phenol	mg/kg	25000	0.05 U	0.051 U	0.05 U	0.05 U	0.5 U	0.05 U	R
Pyrene	mg/kg	23000	0.0066 U	0.0068 U	0.0085	0.0066 U	0.067 U	0.0067 U	1.2
Metals									
Aluminum	mg/kg	110000	15000	5500	12000	14000	6500	9900	9400
Antimony	mg/kg	47	0.81 UJ	0.78 UJ	0.67 UJ	0.94 UJ	0.81 U	0.85 U	0.85 UJ
Arsenic	mg/kg	30	1.0	0.51 J	2.1	1.4	1.2	1.0	1.9
Barium	mg/kg	22000	34	9.9 J	61	25	61	34	36
Beryllium	mg/kg	230	0.16 J	0.20 J	0.34	0.24 J	0.46	0.25 J	0.36 J
Cadmium	mg/kg	98	0.16 U	0.16 U	0.036 J	0.023 J	0.16 U	0.17 U	0.037 J
Calcium	mg/kg		770	220 J	3300	390 J	890	3800	1900
Chromium	mg/kg		15	8.0	14	16	9.6	15	12
Cobalt	mg/kg	35	0.83 J	0.61 J	6.3	1.3 J	2.8 J	1.4 J	5.2
Copper	mg/kg	4700	3.9	3.6	11	7.7	4.6	6.2	6.4
Iron	mg/kg	82000	3700 J	1900 J	13000 J	4100 J	6000	4400	13000 J
Lead	mg/kg	800	7.6	2.0	5.7	8.1	4.5	5.6	5.3
Magnesium	mg/kg		410	200 J	1800	670	1100	750	980
Manganese	mg/kg	2600	11	11	220	22	180	34	170
Mercury	mg/kg	4	0.074 J	0.095 U	0.029 J	0.033 J	0.10 U	0.013 J	0.029 J
Nickel	mg/kg	2200	3.5	1.8 J	6.8	4.7	4.9	4.2	4.7
Potassium	mg/kg		350 J	190 J	1300 J	470 J	460	540	700 J
Selenium	mg/kg	580	0.41 U	0.39 U	0.34 U	0.47 U	0.40 U	0.43 U	0.43 U
Silver	mg/kg	580	0.41 U	0.39 U	0.34 U	0.47 U	0.40 U	0.43 U	0.43 U
Sodium	mg/kg		37 J	18 J	64 J	22 J	400 U	430 U	37 J
Thallium	mg/kg	1.2	0.81 U	0.78 U	0.67 U	0.94 U	0.81 U	0.85 U	0.85 U
Vanadium	mg/kg	580	28	9.3	29	30	15	24	26
Zinc	mg/kg	35000	13	7.4	25	17	20	14	19
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-16**	**SB-17**	**SB-17**	**SB-18**	**SB-18**	**SB-19**	**SB-19**
Sample ID:			**SO-11109615-SB16(9-9.5)-092415-MD-036**	**SO-11109615-SB17(1.5-2)-092415-MD-041**	**SO-11109615-SB17(9-9.5)-092415-MD-042**	**SO-11109615-SB18(1.5-2)-092415-MD-037**	**SO-11109615-SB18(8-8.5)-092415-MD-038**	**SO-11109615-SB19(1.5-2)-092415-MD-039**	**SO-11109615-SB19(9-9.5)-092415-MD-040**
Sample Date:			**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:			**(9-9.5) ft BGS**	**(1.5-2) ft BGS**	**(9-9.5) ft BGS**	**(1.5-2) ft BGS**	**(8-8.5) ft BGS**	**(1.5-2) ft BGS**	**(9-9.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
VOAs									
1,1,1-Trichloroethane	mg/kg	3600	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,1,2-Trichloroethane	mg/kg	0.63	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,1-Dichloroethane	mg/kg	160	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,1-Dichloroethene	mg/kg	100	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,2,4-Trichlorobenzene	mg/kg	26	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.0082 U	0.0078 U	0.0096 U	0.01 U	0.009 U	0.0087 U	0.0085 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,2-Dichlorobenzene	mg/kg	930	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,2-Dichloroethane	mg/kg	14	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,2-Dichloropropane	mg/kg	6.6	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,3-Dichlorobenzene	mg/kg	110	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
1,4-Dichlorobenzene	mg/kg	110	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.016 U	0.016 U	0.019 U	0.02 U	0.018 U	0.017 U	0.017 U
2-Hexanone	mg/kg	130	0.016 U	0.016 U	0.019 U	0.02 U	0.018 U	0.017 U	0.017 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.016 U	0.016 U	0.019 U	0.02 U	0.018 U	0.017 U	0.017 U
Acetone	mg/kg	67000	0.016 U	0.016 U	0.019 U	0.02 U	0.018 U	0.021	0.017 U
Benzene	mg/kg	42	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Bromodichloromethane	mg/kg	13	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Bromoform	mg/kg	1600	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Bromomethane (Methyl bromide)	mg/kg	3	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Carbon disulfide	mg/kg	350	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Carbon tetrachloride	mg/kg	29	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Chlorobenzene	mg/kg	130	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Chloroethane	mg/kg	5700	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Chloroform (Trichloromethane)	mg/kg	14	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Chloromethane (Methyl chloride)	mg/kg	46	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
cis-1,2-Dichloroethene	mg/kg	230	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
cis-1,3-Dichloropropene	mg/kg	2300	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Cyclohexane	mg/kg	2700	0.0082 U	0.0078 U	0.0096 U	0.01 U	0.009 U	0.0087 U	0.0085 U
Dibromochloromethane	mg/kg	32	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Ethylbenzene	mg/kg	250	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Isopropyl benzene	mg/kg	1100	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Methyl acetate	mg/kg	120000	0.0082 U	0.0078 U	0.0096 U	0.01 U	0.009 U	0.0087 U	0.0085 U
Methyl cyclohexane	mg/kg		0.0082 U	0.0078 U	0.0096 U	0.01 U	0.009 U	0.0087 U	0.0085 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Methylene chloride	mg/kg	320	0.0047	0.0054	0.0048 U	0.005 U	0.0062	0.0094	0.0068
Styrene	mg/kg	3500	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Tetrachloroethene	mg/kg	39	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Toluene	mg/kg	4700	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
trans-1,2-Dichloroethene	mg/kg	2300	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
trans-1,3-Dichloropropene	mg/kg	2300	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Trichloroethene	mg/kg	1.9	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Vinyl chloride	mg/kg	17	0.0041 U	0.0039 U	0.0048 U	0.005 U	0.0045 U	0.0044 U	0.0043 U
Xylenes (total)	mg/kg	250	0.0082 U	0.0078 U	0.0096 U	0.01 U	0.009 U	0.0087 U	0.0085 U
SVOAs									
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
2,4,5-Trichlorophenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4,6-Trichlorophenol	mg/kg	82	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	mg/kg	250	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	mg/kg	1600	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dinitrophenol	mg/kg	160	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrotoluene	mg/kg	74	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	15	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloronaphthalene	mg/kg	9300	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
2-Chlorophenol	mg/kg	580	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
2-Methylnaphthalene	mg/kg	300	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
2-Methylphenol	mg/kg	4100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitroaniline	mg/kg	800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Nitrophenol	mg/kg		0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
3&4-Methylphenol	mg/kg		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
3,3'-Dichlorobenzidine	mg/kg	51	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
3-Nitroaniline	mg/kg		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Bromophenyl phenyl ether	mg/kg		0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
4-Chloro-3-methylphenol	mg/kg	8200	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chloroaniline	mg/kg	120	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
4-Chlorophenyl phenyl ether	mg/kg		0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
4-Nitroaniline	mg/kg	330	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Nitrophenol	mg/kg		0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthene	mg/kg	4500	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Acenaphthylene	mg/kg	2300	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Acetophenone	mg/kg	12000	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
Anthracene	mg/kg	23000	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-16**	**SB-17**	**SB-17**	**SB-18**	**SB-18**	**SB-19**	**SB-19**
Sample ID:			**SO-11109615-SB16(9-9.5)-092415-MD-036**	**SO-11109615-SB17(1.5-2)-092415-MD-041**	**SO-11109615-SB17(9-9.5)-092415-MD-042**	**SO-11109615-SB18(1.5-2)-092415-MD-037**	**SO-11109615-SB18(8-8.5)-092415-MD-038**	**SO-11109615-SB19(1.5-2)-092415-MD-039**	**SO-11109615-SB19(9-9.5)-092415-MD-040**
Sample Date:			**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:			**(9-9.5) ft BGS**	**(1.5-2) ft BGS**	**(9-9.5) ft BGS**	**(1.5-2) ft BGS**	**(8-8.5) ft BGS**	**(1.5-2) ft BGS**	**(9-9.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**							
Atrazine	mg/kg	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzaldehyde	mg/kg	12000	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
Benzo(a)anthracene	mg/kg	29	0.0067 U	0.0063 J	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Benzo(a)pyrene	mg/kg	2.9	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Benzo(b)fluoranthene	mg/kg	29	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Benzo(g,h,i)perylene	mg/kg	2300	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Benzo(k)fluoranthene	mg/kg	290	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
bis(2-Chloroethyl)ether	mg/kg	10	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.071 U	0.08	0.021 J	0.07 U	0.079	0.2	0.023 J
Butyl benzylphthalate (BBP)	mg/kg	12000	0.071 U	0.07 U	0.069 U	0.07 U	0.07 U	0.069 U	0.07 U
Caprolactam	mg/kg	40000	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Carbazole	mg/kg		0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Chrysene	mg/kg	2900	0.0067 U	0.0075	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Dibenz(a,h)anthracene	mg/kg	2.9	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Dibenzofuran	mg/kg	100	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Diethyl phthalate	mg/kg	66000	0.071 U	0.07 U	0.069 U	0.07 U	0.07 U	0.069 U	0.07 U
Dimethyl phthalate	mg/kg		0.071 U	0.07 U	0.069 U	0.07 U	0.07 U	0.069 U	0.07 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.071 U	0.021 J	0.069 U	0.07 U	0.07 U	0.069 U	0.07 U
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.071 U	0.07 U	0.069 U	0.07 U	0.07 U	0.069 U	0.07 U
Fluoranthene	mg/kg	3000	0.0067 U	0.013	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Fluorene	mg/kg	3000	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Hexachlorobenzene	mg/kg	14	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Hexachlorobutadiene	mg/kg	82	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Hexachlorocyclopentadiene	mg/kg	490	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	R
Hexachloroethane	mg/kg	58	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Isophorone	mg/kg	16000	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Naphthalene	mg/kg	59	0.0067 U	0.0067 U	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Nitrobenzene	mg/kg	130	0.1 U	0.1 U	0.099 U	0.1 U	0.1 U	0.099 U	0.1 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
N-Nitrosodiphenylamine	mg/kg	4700	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Pentachlorophenol	mg/kg	40	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Phenanthrene	mg/kg	2300	0.0067 U	0.0077	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Phenol	mg/kg	25000	0.051 U	0.05 U	0.049 U	0.05 U	0.05 U	0.049 U	0.05 U
Pyrene	mg/kg	23000	0.0067 U	0.013	0.0066 U	0.0067 U	0.0067 U	0.0066 U	0.0067 U
Metals									
Aluminum	mg/kg	110000	9800	9700	12000	11000	7500	7600	11000
Antimony	mg/kg	47	0.84 UJ	0.93 UJ	0.86 UJ	0.75 UJ	0.85 UJ	0.84 UJ	0.98 UJ
Arsenic	mg/kg	30	1.1	1.8	0.97	1.3	1.3	1.4	1.8
Barium	mg/kg	22000	26	52	23	53	17	50	19 J
Beryllium	mg/kg	230	0.25 J	0.29 J	0.24 J	0.32 J	0.32 J	0.30 J	0.33 J
Cadmium	mg/kg	98	0.17 U	0.12 J	0.17 U	0.15 U	0.17 U	0.17 U	0.20 U
Calcium	mg/kg		1700	2300	1300	1100	310 J	580	1300
Chromium	mg/kg		10	19	12	11	9.4	7.1	13
Cobalt	mg/kg	35	0.71 J	3.8 J	1.3 J	1.3 J	1.5 J	1.1 J	1.2 J
Copper	mg/kg	4700	5.0	11	7.5	3.6	6.7	2.2	7.0
Iron	mg/kg	82000	2300 J	11000 J	4400 J	5300 J	6700 J	5000 J	11000 J
Lead	mg/kg	800	6.1	10	5.4	4.5	3.9	4.8	5.6
Magnesium	mg/kg		410 J	2400	670	670	650	360 J	700
Manganese	mg/kg	2600	17	150	24	42	29	90	29
Mercury	mg/kg	4	0.024 J	0.023 J	0.014 J	0.045 J	0.021 J	0.017 J	0.014 J
Nickel	mg/kg	2200	3.4	7.6	4.6	3.8	37	2.4 J	4.1
Potassium	mg/kg		350 J	1500 J	480 J	380 J	360 J	240 J	490 J
Selenium	mg/kg	580	0.42 U	0.46 U	0.43 U	0.37 U	0.43 U	0.42 U	0.49 U
Silver	mg/kg	580	0.42 U	0.46 U	0.43 U	0.37 U	0.43 U	0.42 U	0.49 U
Sodium	mg/kg		22 J	57 J	21 J	34 J	430 U	50 J	22 J
Thallium	mg/kg	1.2	0.84 U	0.93 U	0.86 U	0.75 U	0.85 U	0.84 U	0.98 U
Vanadium	mg/kg	580	21	29	22	21	18	17	40
Zinc	mg/kg	35000	14	27	14	10	16	8.1	14
PCBs									
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.034 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-20**	**SB-20**
Sample ID:			**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
Sample Date:			**9/24/2015**	**9/24/2015**
Sample Depth:			**(1.5-2) ft BGS**	**(9-9.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**		
VOAs				
1,1,1-Trichloroethane	mg/kg	3600	0.0037 U	0.0042 U
1,1,2,2-Tetrachloroethane	mg/kg	27	0.0037 U	0.0042 U
1,1,2-Trichloroethane	mg/kg	0.63	0.0037 U	0.0042 U
1,1-Dichloroethane	mg/kg	160	0.0037 U	0.0042 U
1,1-Dichloroethene	mg/kg	100	0.0037 U	0.0042 U
1,2,4-Trichlorobenzene	mg/kg	26	0.0037 U	0.0042 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.64	0.0074 U	0.0083 U
1,2-Dibromoethane (Ethylene dibromide)	mg/kg	1.6	0.0037 U	0.0042 U
1,2-Dichlorobenzene	mg/kg	930	0.0037 U	0.0042 U
1,2-Dichloroethane	mg/kg	14	0.0037 U	0.0042 U
1,2-Dichloropropane	mg/kg	6.6	0.0037 U	0.0042 U
1,3-Dichlorobenzene	mg/kg	110	0.0037 U	0.0042 U
1,4-Dichlorobenzene	mg/kg	110	0.0037 U	0.0042 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/kg	19000	0.015 U	0.017 U
2-Hexanone	mg/kg	130	0.015 U	0.017 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/kg	5600	0.015 U	0.017 U
Acetone	mg/kg	67000	0.015 U	0.018
Benzene	mg/kg	42	0.0037 U	0.0042 U
Bromodichloromethane	mg/kg	13	0.0037 U	0.0042 U
Bromoform	mg/kg	1600	0.0037 U	0.0042 U
Bromomethane (Methyl bromide)	mg/kg	3	0.0037 U	0.0042 U
Carbon disulfide	mg/kg	350	0.0037 U	0.0042 U
Carbon tetrachloride	mg/kg	29	0.0037 U	0.0042 U
Chlorobenzene	mg/kg	130	0.0037 U	0.0042 U
Chloroethane	mg/kg	5700	0.0037 U	0.0042 U
Chloroform (Trichloromethane)	mg/kg	14	0.0037 U	0.0042 U
Chloromethane (Methyl chloride)	mg/kg	46	0.0037 U	0.0042 U
cis-1,2-Dichloroethene	mg/kg	230	0.0037 U	0.0042 U
cis-1,3-Dichloropropene	mg/kg	2300	0.0037 U	0.0042 U
Cyclohexane	mg/kg	2700	0.0074 U	0.0083 U
Dibromochloromethane	mg/kg	32	0.0037 U	0.0042 U
Dichlorodifluoromethane (CFC-12)	mg/kg	37	0.0037 U	0.0042 U
Ethylbenzene	mg/kg	250	0.0037 U	0.0042 U
Isopropyl benzene	mg/kg	1100	0.0037 U	0.0042 U
Methyl acetate	mg/kg	120000	0.0074 U	0.0083 U
Methyl cyclohexane	mg/kg		0.0074 U	0.0083 U
Methyl tert butyl ether (MTBE)	mg/kg	2100	0.0037 U	0.0042 U
Methylene chloride	mg/kg	320	0.0037 U	0.0092
Styrene	mg/kg	3500	0.0037 U	0.0042 U
Tetrachloroethene	mg/kg	39	0.0037 U	0.0042 U
Toluene	mg/kg	4700	0.0037 U	0.0042 U
trans-1,2-Dichloroethene	mg/kg	2300	0.0037 U	0.0042 U
trans-1,3-Dichloropropene	mg/kg	2300	0.0037 U	0.0042 U
Trichloroethene	mg/kg	1.9	0.0037 U	0.0042 U
Trichlorofluoromethane (CFC-11)	mg/kg	310	0.0037 U	0.0042 U
Trifluorotrichloroethane (CFC-113)	mg/kg	17000	0.0037 U	0.0042 U
Vinyl chloride	mg/kg	17	0.0037 U	0.0042 U
Xylenes (total)	mg/kg	250	0.0074 U	0.0083 U
SVOAs				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	mg/kg	220	0.1 U	0.1 U
2,4,5-Trichlorophenol	mg/kg	8200	0.15 U	0.15 U
2,4,6-Trichlorophenol	mg/kg	82	0.15 U	0.15 U
2,4-Dichlorophenol	mg/kg	250	0.15 U	0.15 U
2,4-Dimethylphenol	mg/kg	1600	0.15 U	0.15 U
2,4-Dinitrophenol	mg/kg	160	0.33 U	0.33 U
2,4-Dinitrotoluene	mg/kg	74	0.2 U	0.2 U
2,6-Dinitrotoluene	mg/kg	15	0.2 U	0.2 U
2-Chloronaphthalene	mg/kg	9300	0.05 U	0.05 U
2-Chlorophenol	mg/kg	580	0.05 U	0.05 U
2-Methylnaphthalene	mg/kg	300	0.0067 U	0.0067 U
2-Methylphenol	mg/kg	4100	0.2 U	0.2 U
2-Nitroaniline	mg/kg	800	0.2 U	0.2 U
2-Nitrophenol	mg/kg		0.05 U	0.05 U
3&4-Methylphenol	mg/kg		0.4 U	0.4 U
3,3'-Dichlorobenzidine	mg/kg	51	0.1 U	0.1 U
3-Nitroaniline	mg/kg		0.2 U	0.2 U
4,6-Dinitro-2-methylphenol	mg/kg	6.6	0.15 U	0.15 U
4-Bromophenyl phenyl ether	mg/kg		0.05 U	0.05 U
4-Chloro-3-methylphenol	mg/kg	8200	0.15 U	0.15 U
4-Chloroaniline	mg/kg	120	0.15 U	0.15 U
4-Chlorophenyl phenyl ether	mg/kg		0.05 U	0.05 U
4-Nitroaniline	mg/kg	330	0.2 U	0.2 U
4-Nitrophenol	mg/kg		0.33 U	0.33 U
Acenaphthene	mg/kg	4500	0.0067 U	0.0067 U
Acenaphthylene	mg/kg	2300	0.0067 U	0.0067 U
Acetophenone	mg/kg	12000	0.1 U	0.1 U
Anthracene	mg/kg	23000	0.0067 U	0.0067 U

Table 1

Soil Analytical Results Summary
Sub-Slab Soil Investigation
Fredericksburg, Virginia

Sample Location:			**SB-20**	**SB-20**
Sample ID:			**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
Sample Date:			**9/24/2015**	**9/24/2015**
Sample Depth:			**(1.5-2) ft BGS**	**(9-9.5) ft BGS**
Parameters	**Units**	**VRP Tier III Screening Concentration**		
Atrazine	mg/kg	100	0.2 U	0.2 U
Benzaldehyde	mg/kg	12000	0.1 U	0.1 U
Benzo(a)anthracene	mg/kg	29	0.0067 U	0.0067 U
Benzo(a)pyrene	mg/kg	2.9	0.0067 U	0.0067 U
Benzo(b)fluoranthene	mg/kg	29	0.0067 U	0.0067 U
Benzo(g,h,i)perylene	mg/kg	2300	0.0067 U	0.0067 U
Benzo(k)fluoranthene	mg/kg	290	0.0067 U	0.0067 U
Biphenyl (1,1-Biphenyl)	mg/kg	20	0.05 U	0.05 U
bis(2-Chloroethoxy)methane	mg/kg	250	0.1 U	0.1 U
bis(2-Chloroethyl)ether	mg/kg	10	0.1 U	0.1 U
bis(2-Ethylhexyl)phthalate (DEHP)	mg/kg	1600	0.023 J	0.024 J
Butyl benzylphthalate (BBP)	mg/kg	12000	0.07 U	0.07 U
Caprolactam	mg/kg	40000	0.33 U	0.33 U
Carbazole	mg/kg		0.05 U	0.05 U
Chrysene	mg/kg	2900	0.0033 J	0.0067 U
Dibenz(a,h)anthracene	mg/kg	2.9	0.0067 U	0.0067 U
Dibenzofuran	mg/kg	100	0.05 U	0.05 U
Diethyl phthalate	mg/kg	66000	0.07 U	0.07 U
Dimethyl phthalate	mg/kg		0.07 U	0.07 U
Di-n-butylphthalate (DBP)	mg/kg	8200	0.015 J	0.016 J
Di-n-octyl phthalate (DnOP)	mg/kg	820	0.07 U	0.07 U
Fluoranthene	mg/kg	3000	0.0036 J	0.0067 U
Fluorene	mg/kg	3000	0.0067 U	0.0067 U
Hexachlorobenzene	mg/kg	14	0.0067 U	0.0067 U
Hexachlorobutadiene	mg/kg	82	0.05 U	0.05 U
Hexachlorocyclopentadiene	mg/kg	490	0.33 U	0.33 U
Hexachloroethane	mg/kg	58	0.05 U	0.05 U
Indeno(1,2,3-cd)pyrene	mg/kg	29	0.0067 U	0.0067 U
Isophorone	mg/kg	16000	0.05 U	0.05 U
Naphthalene	mg/kg	59	0.0067 U	0.0067 U
Nitrobenzene	mg/kg	130	0.1 U	0.1 U
N-Nitrosodi-n-propylamine	mg/kg	3.3	0.05 U	0.05 U
N-Nitrosodiphenylamine	mg/kg	4700	0.05 U	0.05 U
Pentachlorophenol	mg/kg	40	0.15 U	0.15 U
Phenanthrene	mg/kg	2300	0.0067 U	0.0067 U
Phenol	mg/kg	25000	0.05 U	0.05 U
Pyrene	mg/kg	23000	0.0037 J	0.0067 U
Metals				
Aluminum	mg/kg	110000	15000	17000
Antimony	mg/kg	47	0.43 J	0.79 UJ
Arsenic	mg/kg	30	2.3	3.0
Barium	mg/kg	22000	41	51
Beryllium	mg/kg	230	0.51	0.48
Cadmium	mg/kg	98	0.058 J	0.044 J
Calcium	mg/kg		1600	890
Chromium	mg/kg		22	20
Cobalt	mg/kg	35	7.4	4.4
Copper	mg/kg	4700	9.7	9.2
Iron	mg/kg	82000	22000 J	24000 J
Lead	mg/kg	800	7.6	9.1
Magnesium	mg/kg		1100	820
Manganese	mg/kg	2600	280	170
Mercury	mg/kg	4	0.046 J	0.058 J
Nickel	mg/kg	2200	7.1	7.3
Potassium	mg/kg		860 J	700 J
Selenium	mg/kg	580	0.41 U	0.39 U
Silver	mg/kg	580	0.41 U	0.39 U
Sodium	mg/kg		33 J	27 J
Thallium	mg/kg	1.2	0.81 U	0.79 U
Vanadium	mg/kg	580	47	52
Zinc	mg/kg	35000	30	34
PCBs				
Aroclor-1016 (PCB-1016)	mg/kg	5.2	0.033 U	0.033 U
Aroclor-1221 (PCB-1221)	mg/kg	6.6	0.033 U	0.033 U
Aroclor-1232 (PCB-1232)	mg/kg	6.6	0.033 U	0.033 U
Aroclor-1242 (PCB-1242)	mg/kg	10	0.033 U	0.033 U
Aroclor-1248 (PCB-1248)	mg/kg	10	0.033 U	0.033 U
Aroclor-1254 (PCB-1254)	mg/kg	1.5	0.033 U	0.033 U
Aroclor-1260 (PCB-1260)	mg/kg	10	0.033 U	0.033 U

Footnotes:

U - Not detected at the associated reporting limit.
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.

Attachment A
Stratigraphic Logs

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME: RACER-Fredericksburg
PROJECT NUMBER: 1109615
CLIENT: RACER
LOCATION: VA

DRILLING CONTRACTOR: Terrasonic
DRILLER: ___
SURFACE ELEVATION: ___
WEATHER (A.M.): 80°F Cloudy
(P.M.): ___

HOLE DESIGNATION: SB-1
DATE/TIME STARTED: 1030 9/22/15
DATE/TIME COMPLETED: ___
DRILLING METHOD: Direct Push
CRA SUPERVISOR: Mike Ortenzio

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION (ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).)	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.1	Concrete								3	0-5	0	0.5	
0.1		8	Brown ~~silt~~ clay											1	
8		15	Brown silty sand, some rock											1.5	
	13		Soil is damp											2	
														2.5	
														3	
											3	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
											3	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1110961S-SB1(0.5-1)-092215-MD-001 1050
SO-1110961S-SB1(9.5-10)-092215-MD-002 1100

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME Racer - Fredericksburg
PROJECT NUMBER 111096.15
CLIENT RACER
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) 80°F Cloudy
(P.M.) ___

HOLE DESIGNATION SB-2
DATE/TIME STARTED 9/22/15 1120
DATE/TIME COMPLETED ___
DRILLING METHOD Direct push
CRA SUPERVISOR Mike Driscoll

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete					R=3			0.5	0-5	0	1	
0.5		8	Dark brown Clay											1.5	
8		15	Brown Silty Sand, some rock											2	
														2.5	
														3	
														3.5	
											3	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
											3	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096.15-SB2(0.5-1)-092215-MD-003 1245
SO-111096.15-SB2(9-9.5)-092215-MD-004 1255

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Racer - Fredericksburg
PROJECT NUMBER 111096.15
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER
SURFACE ELEVATION
WEATHER (A.M.) 80°F-
(P.M.)

HOLE DESIGNATION SB-3
DATE/TIME STARTED 9/23/15 0800
DATE/TIME COMPLETED
DRILLING METHOD Direct push
CRA SUPERVISOR Mike Dziedzic

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.4	Concrete								3	0-5	0	1	
0.4		6	Brown Clay										5.4	1.5	
6		15	Dark Brown Silty sand, some rock										66.8	2	
	13		Damp soil										100	2.5	
													73.1	3	
													0	3.5	
											4	5-10	0	5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
														9	
											4	10-15	1.5	10.5	
													0	11	
													1.5	11.5	
													0	12	
													0	12.5	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS: _____

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

1-1.5
SO-111096.15-SB3(~~0-0.4~~) -092315-MD-~~001~~ 005 0915

SO-111096.15-SB3(~~5-5.5~~) -092315-MD-~~002~~ 006 0825

SO-111096.15-SB3(2.5-3)-092815-MD-027 1500

12-12.5

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Racer-Fredericksburg
PROJECT NUMBER 111096115
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER
SURFACE ELEVATION
WEATHER (A.M.)
(P.M.)

HOLE DESIGNATION SB-3
DATE/TIME STARTED
DATE/TIME COMPLETED
DRILLING METHOD
CRA SUPERVISOR

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS)			SAMPLE DESCRIPTION	SAMPLE DETAILS												GRAIN SIZE
FROM	AT	TO	ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	
												4	5-10	139	13	
														50	IR5	
														66	14	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS: _____

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME RACER - Fredericksburg
PROJECT NUMBER 1110615
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) ___
(P.M.) ___

HOLE DESIGNATION SB-4
DATE/TIME STARTED 9/23/15 0840
DATE/TIME COMPLETED ___
DRILLING METHOD ___
CRA SUPERVISOR ___

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								3	0-5	1	1	
0.5			Brown Clay										1	1.5	
		15	Light brown med. grain sand, some rock										0.5	2	
	13.5		Damp soil										0.3	2.5	
													0.5	3	
													0.6	3.5	
											3	5-10	0.8	5.5	
													0.5	6	
													1.2	6.5	
													5.2	7	
													3.2	7.5	
													1.4	8	
											3	10-15	1	10.5	
													1	11	
													1	11.5	
													2.3	12	
													0	12.5	
													C	13	
													C		

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1110615-SB4(1-1.5)-092315-MD-007 0840
SO-1110615-SB4(7-7.5)-092315-MD-008 0850

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME Racer-Fredericksburg
PROJECT NUMBER 1110965
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terraconic
DRILLER
SURFACE ELEVATION
WEATHER (A.M.) 80°F-Sunny
(P.M.)

HOLE DESIGNATION SB-5
DATE/TIME STARTED 9/23/15 0915
DATE/TIME COMPLETED
DRILLING METHOD Direct Push
CRA SUPERVISOR Mike Orlecke

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		~~0.1~~ 1	Concrete								1.5	1-5	0.9	1.5	
1		5.5	Brown Sandy Silt										1	2	
5.5		14	Dark Brown medium Sand										1.2	2.5	
14		15	Dark gray fine sand, some rock								2	5-10	6.8	5.5	
	13		Damp Soil										6.9	6	
	15		Red Shale										2	6.5	
													1.6	7	
										3	~~2~~	10-15	12	10.5	
													66	11	
													0.6	11.5	
													1.3	12	
													0.8	12.5	
													6.5	13	

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS: _____

NOTES AND COMMENTS

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1110965-SB5(1.5-2)-092315-MD-009
SO-1110965-SB5(5.5-6)-092315-MD-010
SO-1110965-SB5(12.5-13)-092315-011

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 1

PROJECT NAME: Racer-Fredericksburg
PROJECT NUMBER: 111096.15
CLIENT: Racer
LOCATION: VA

DRILLING CONTRACTOR: Terrasonic
DRILLER:
SURFACE ELEVATION:
WEATHER (A.M.): 80F Sunny
(P.M.):

HOLE DESIGNATION: SB-6
DATE/TIME STARTED: 9/23/15 0925
DATE/TIME COMPLETED:
DRILLING METHOD: Direct Push
CRA SUPERVISOR: Mike Driscoll

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION (ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).)	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		1	Concrete								0.5	1-1.5	0.7	1.5	
1		15	Dark brown medium grain sand								2	5-10	0	5.5	
	9		Damp soil										0.5	6	
	15		Rock layer										0	6.5	
													0	7	
											2	10-15	0	10.5	
													0	11	
													0	11.5	
													0	12	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS: _____

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096.15-SB6(1-1.5)-092315-MD-013 1015
SO-111096.15-SB6(5-6.5)-092315-MD-013 1020
SO-111096.15-SB6(12.5-13)-092315-MD-014 1030

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Racer-Fredericksburg
PROJECT NUMBER 111 09615
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) 80°F Cloudy
(P.M.) ___

HOLE DESIGNATION SB-7
DATE/TIME STARTED 9/23/15 1040
DATE/TIME COMPLETED ___
DRILLING METHOD Direct push
CRA SUPERVISOR ___

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION (ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).)	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								3.5	0.5-5	4.2	1	
0.5		2	Dark Brown clay										0	1.5	
2		8	Dark brown silty clay											2	
8		14.5	Dark medium grain sand											2.5	
14.5		15	Fine grain dark sand											3	
	13.5		Groundwater											3.5	
													0.2	4	
											3	5-10	0	5.5	
														6	
														6.5	
													0.3	7	
													0	7.5	
													0	8	
											3	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___

COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

NOTES:

SO-111 09615-SB7(1-1.5)-092315-MD-015 1055

SO-111 09615-SB7(8-8.5)-092315-MD-016 1105

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME Race-Fredericksburg
PROJECT NUMBER 11109615
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) 80°F
(P.M.) ___

HOLE DESIGNATION SB8
DATE/TIME STARTED 9/23/15 1110
DATE/TIME COMPLETED ___
DRILLING METHOD Direct push
CRA SUPERVISOR ___

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								3	0-5	0	0.5	1
0.5		9	Brown Silty clay, few rocks												1.5
9		15	Light brown Sandy Silt												2
	13.5		Damp soil												2.5
															3
															3.5
											3	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
											D+R			8	
											3	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___

COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

NOTES:

SO-11109615-SB8(1-1.5)-092315-MD-DUP 017 1140

SO-11109615-SB8(8.5-9)-092315-MD-DUP 018 1145

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Racer-Fredericksburg
PROJECT NUMBER 11109615
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) 80°F
(P.M.) ___

HOLE DESIGNATION SB-9
DATE/TIME STARTED 9/23/15 1120
DATE/TIME COMPLETED ___
DRILLING METHOD ___
CRA SUPERVISOR ___

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION (ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).)	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								25	0-5	0	1	
0.5		5	Brown silty clay, few rocks											1.5	
5		15	light brown sandy SILT, some rock											2	
	13		Damp soil											2.5	
														3	
											4.5	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
														9	
														9.5	
												10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	
														13.5	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-11109615-SB9(1-1.5)-092315-MD-019 1205
SO-11109615-SB9(8-8.5)-092315-MD-020 1215

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME Race-Fredericksburg
PROJECT NUMBER 1110961S
CLIENT Race
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) ~~80~~ 80°F
(P.M.) ___

HOLE DESIGNATION SB-10
DATE/TIME STARTED 9/23/15 1315
DATE/TIME COMPLETED ___
DRILLING METHOD ___
CRA SUPERVISOR Mike Cresswell

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION (ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).)	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								2.5	0-5	5	1	
0.5		10.5	Brown silty clay, few rocks										1.5	1.5	
10.5		15	Brown sandy silt, some rock										1.2	2	
	B		Damp soil										0	2.5	
													0	3	
											4.5	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
														9	
														9.5	
											4	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	
														13.5	
														14	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1110961S-SB10(0-1.5)-092315-MD-021 1340
SO-1110961S-SB10(8-8.5)-092315-MD-022 1350

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Racer Fredericksburg
PROJECT NUMBER 111096.15
CLIENT Race
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER
SURFACE ELEVATION
WEATHER (A.M.)
(P.M.)

HOLE DESIGNATION SB-11
DATE/TIME STARTED 9/23/15 1325
DATE/TIME COMPLETED
DRILLING METHOD P.D.P
CRA SUPERVISOR Mike Brzezinski

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	concrete								3.5	0.5-5	0	1	
0.5		1.5	Dark brown silty clay										3.6	1.5	
1.5		2	Dark gray coarse sand, black sand										1.2	2	
2		11	Dark brown silty clay										0.5	2.5	
11		15	Dark gray-red silty sand										0	3	
													0	3.5	
													0	4	
										5.5	WH	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
											3	10-15		10	10.5
														11	
														11.5	
														12	
														12.5	
														13	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS:

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096.15-SB11(13-15)-092315-MD-023 1410
SO-111096.15-SB11(8-8.5)-092315-MD-024 1420

STRATIGRAPHY LOG (OVERBURDEN)

PAGE ___ OF ___

PROJECT NAME: Racer-Fredericksburg
PROJECT NUMBER: 111 09615
CLIENT: Racer
LOCATION: VA

DRILLING CONTRACTOR: Terra Sonic
DRILLER: ___
SURFACE ELEVATION: ___
WEATHER (A.M.): ___
(P.M.): 80°F

HOLE DESIGNATION: SB-12
DATE/TIME STARTED: 9/23/15 1335
DATE/TIME COMPLETED: ___
DRILLING METHOD: D.P.
CRA SUPERVISOR: ___

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION (ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).)	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								3.5	0.5-5	0	1	
0.5		2	Dark brown clay											1.5	
2		5	Dark grey coarse sand, some rock											2	
5		10	light grey silty clay											2.5	
10		14.5	~~light~~ brown clay											3	
14.5		15	Light brown coarse sand											3.5	
	14		Groundwater											4	
											3.5	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
											3.5	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	
														13.5	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___

COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

NOTES:

SO-111 09615 - SB12 (1-1.5) - 092315 - MD - 025 1440

SO-111 09615 - SB12 (8-8.5) - 092315 - MD - 026 1450

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Race-Fredericksburg
PROJECT NUMBER 111096.15
CLIENT Race
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER
SURFACE ELEVATION 80'+
WEATHER (A.M.)
(P.M.)

HOLE DESIGNATION SB-15
DATE/TIME STARTED 9/24/15 0910
DATE/TIME COMPLETED
DRILLING METHOD D.P.
CRA SUPERVISOR Mike DeSedra

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	concrete								4	0-5	0	1	
0.5		2	Brown Silty Clay											1.5	
2		3.5	Brown-black coarse sand some rock											2	
3.5		9	light brown to gray sandy silt											2.5	
9		15	light brown silty sand, few rocks											3	
	14		very wet soil										5.0	3.5	
													2.5	4	
													0.5	4.5	
										3.5		5-10	0	5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
										4		10-15			10.5
														11	
														11.5	
														12	

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS:

NOTES AND COMMENTS

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096.15-SB15(3.5-4)-092415-MD-028 0830
SO-111096.15-SB15(8.5-9)-092415-MD-029

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 2 OF 2

PROJECT NAME Racer Fredericksburg
PROJECT NUMBER 111026.15
CLIENT
LOCATION

DRILLING CONTRACTOR Terracon
DRILLER
SURFACE ELEVATION
WEATHER (A.M.)
(P.M.)

HOLE DESIGNATION ~~SB-15~~ SB-15
DATE/TIME STARTED 9/24/15 0810
DATE/TIME COMPLETED
DRILLING METHOD
CRA SUPERVISOR

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS)			SAMPLE DESCRIPTION	SAMPLE DETAILS											
FROM	AT	TO	ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
												4	10-15	0	125
															13
															125
															14

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS:

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF 2

PROJECT NAME Racer-Fredericksburg
PROJECT NUMBER 111096.15
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terracon
DRILLER
SURFACE ELEVATION
WEATHER (A.M.) Sun
(P.M.)

HOLE DESIGNATION SB-13
DATE/TIME STARTED 9/24/15 0825
DATE/TIME COMPLETED
DRILLING METHOD D.P.
CRA SUPERVISOR Mike Dziedzic

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	0.5 Concrete								3	0-5	3.2	1	
0.5		2.5	Dark gray silty clay, few rocks										2.7	1.5	
2.5		4	Coarse dark gray sand few rocks										6.2	2	
4		14	Dark brown silty clay										62.8	2.5	
14		20	Brown fine medium grain sand, some rocks										6.3	3	
▼	15.5		Groundwater										12.6	3.5	
											4	5-10	2.25	5.5	
													3.4	6	
													4.3	6.5	
													12.3	7	
													6	7.5	
													4.5	8	
													2.1	8.5	
													1.0	9	
											3	10-15	3.8	10.5	
													3.1	11	
													2.7	11.5	
													2.4	12	
													1.5	12.5	

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS:

NOTES AND COMMENTS

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096.15-SB13(2-2.5)-092415-MD-030 0915
SO-111096.15-SB13(6-6.5)-092415-MD-031 0930
SO-111096.15-SB13(14.5-15)-092415-MD-032 0935

STRATIGRAPHY LOG (OVERBURDEN)

PROJECT NAME Racer-Fredericksburg
PROJECT NUMBER 1104615
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER
SURFACE ELEVATION
WEATHER (A.M.)
(P.M.)

HOLE DESIGNATION SB-13
DATE/TIME STARTED 4/24/15 0820
DATE/TIME COMPLETED
DRILLING METHOD
CRA SUPERVISOR

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
			ORDER OF DESCRIPTORS: SOIL TYPE SYMBOL(S) – PRIMARY COMPONENT(S), (NATURE OF DEPOSIT), SECONDARY COMPONENTS, RELATIVE DENSITY/CONSISTENCY, GRAIN SIZE/PLASTICITY, GRADATION/STRUCTURE, COLOUR, MOISTURE CONTENT, SUPPLEMENTARY DESCRIPTORS. NOTE: PLASTICITY DETERMINATION REQUIRES THE ADDITION OF MOISTURE IF THE SAMPLE IS TOO DRY TO ROLL (INDICATE IF MOISTURE WAS ADDED OR NOT).							3	10-15	0.8	13	
											2	15-20	6.2	15.5	
													2.2	16	
													2.5	16.5	
													4.6	17	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS: _____

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

Racer-Fredericksburg

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME ~~HOVER~~
PROJECT NUMBER 1109615
CLIENT Rolls
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) 80°F
(P.M.) ___

HOLE DESIGNATION SB-14
DATE/TIME STARTED 9/24/15 0840
DATE/TIME COMPLETED ___
DRILLING METHOD D.P.
CRA SUPERVISOR Mike Orlecki

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete						0.5-1		2.5	0.5-1	0	1	
0.5		1.5	Dark brown ~~silty clay~~ sandy silt										0	1.5	
1.5		2.5	Dark gray ~~silty clay~~, some rock coarse		sand								0.3	2	
2.5		9.5	Dark brown sandy silt										0.6	2.5	
9.5		14	Dark brown silty clay										0	3	
14		15	Brown medium grain sand, rocks						5-10		3.5	10-15	0	~~3.5~~	3.5
														4	6
														4.5	6.5
														4.8	7
														4.5	7.5
														4.8	8
														12.5	8.5
											3.5	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	
														13.5	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1109615-SB14(2-2.5)-092415-MD-033 1000
SO-1109615-SB14(8-8.5)-092415-MD-034 1010

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME Rappahannock Fredericksburg
PROJECT NUMBER 111096.15
CLIENT Racer
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) ~80°F Sunny
(P.M.) ___

HOLE DESIGNATION SB-16
DATE/TIME STARTED 9/24/15 1015
DATE/TIME COMPLETED ___
DRILLING METHOD D.P.
CRA SUPERVISOR Mike Dwyer

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								3.5	0.5-5	0	1	
0.5		4	Dark brown silty clay, few rocks											1.5	
4		9	Olive green sandy silt											2	
9		15	light gray med. grain sand											2.5	
	9.5ft		Wet coarse sand											3	
	14.5		Groundwater											3.5	
														4	
											3	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
											3	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096.15-SB16(1.5-2)-092415-MD-035 1030
SO-111096.15-SB16(9-9.5)-092415-MD-036 1035

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME: Racer-Fredericksburg
PROJECT NUMBER: 1109615
CLIENT: Racer
LOCATION: VA

DRILLING CONTRACTOR: Terracon
DRILLER: ___
SURFACE ELEVATION: ___
WEATHER (A.M.): 80°F
(P.M.): ___

HOLE DESIGNATION: SB-18
DATE/TIME STARTED: 9/24/15 1020
DATE/TIME COMPLETED: ___
DRILLING METHOD: DP
CRA SUPERVISOR: Mike Dziedzic

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID/FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								1.5	0.5-5	0	1	
0.5		1	Brown Clay										2.5	1.5	
1		1.5	Coarse black sand, some rock										3	2	
1.5		9.5	Dark brown ~~silty sand~~ silty clay								2.5	5-10	<5	5.5	
9.5		13	Brown silty sand, some rock											6	
	13.5		Damp soil											6.5	
														7	
														7.5	
											2.5	10-15		10.5	
														11	
														11.5	
														12	
														12.5	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___

COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1109615-SB18(15-2)-092415-MD-037 1105

SO-1109615-SB18(8-8.5)-092415-MD-038

STRATIGRAPHY LOG (OVERBURDEN)

PAGE ___ OF ___

PROJECT NAME: Racer-Fredericksburg
PROJECT NUMBER: 1109615
CLIENT: Racer
LOCATION: VA

DRILLING CONTRACTOR: Terrasonic
DRILLER:
SURFACE ELEVATION:
WEATHER (A.M.): 80°F Sunny
(P.M.):

HOLE DESIGNATION: SB-19
DATE/TIME STARTED: 9/24/15 1040
DATE/TIME COMPLETED:
DRILLING METHOD: Rotosonic
CRA SUPERVISOR: Mike Peterson

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete											1	
0.5		9.5	Brown Slt/Hy clay								1.5	0-5ft	0	1.5	
	1-1.5		Brown-black coarse sand, rocks										0.5	2	
9.5		15	Light brown Slt/Hy sand, some rock								2.5	5-10	8.5	5.5	
													<5	6	
														6.5	
														7	
														7.5	
											2	10-15		10.5	
														11	
														11.5	
														12	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING _____ DEPTH OF FIRST GROUNDWATER ENCOUNTER _____ TOPSOIL THICKNESS _____
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION _____, AFTER ____ HOURS ____
COMPLETION DETAILS:

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-1110615-SB19(1.5-2)-092415-MD-039 1135
SO-1110615-SB19(9-9.5)-092415-MD-040 1140

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME: Racer Fredericksburg
PROJECT NUMBER: 111096.15
CLIENT: Racer
LOCATION: VA

DRILLING CONTRACTOR: Terracon
DRILLER: ___
SURFACE ELEVATION: ___
WEATHER (A.M.): 80°F
(P.M.): ___

HOLE DESIGNATION: SB-17
DATE/TIME STARTED: 9/24/15 1125
DATE/TIME COMPLETED: ___
DRILLING METHOD: DP
CRA SUPERVISOR: Mike Wedge

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	FID/PID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								35	0-5	0	1	
0.5		9.5	Dark brown sandy silt											1.5	
9.5		15	Light brown medium sand, some rock											2	
														2.5	
														3	
														3.5	
														4	
											35	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
											3	10-15		10.5	
														11	
														11.5	
														12	
														12.5	
														13	

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___

WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___

COMPLETION DETAILS: ___

NOTES AND COMMENTS

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.

NOTES:

80-111096.15-SB17(1.5-2)-092415-MD-041 1205

80-111096.15-SB17(9-9.5)-092415-MD-042 1210

STRATIGRAPHY LOG (OVERBURDEN)

PAGE 1 OF ___

PROJECT NAME Race Fredericksburg
PROJECT NUMBER 160618
CLIENT Race
LOCATION VA

DRILLING CONTRACTOR Terrasonic
DRILLER ___
SURFACE ELEVATION ___
WEATHER (A.M.) 80°F
(P.M.) ___

HOLE DESIGNATION SB-20
DATE/TIME STARTED 9/24/15 1140
DATE/TIME COMPLETED ___
DRILLING METHOD D.P.
CRA SUPERVISOR Mike Drosche

STRATIGRAPHIC INTERVALS (DEPTHS IN ft/m BGS) FROM	AT	TO	SAMPLE DESCRIPTION	SAMPLE DETAILS: SAMPLE #	SAMPLING METHOD	PENETRATION RECORD SPLIT SPOON BLOWS (RECORD N-VALUES & RECOVERIES) 6"	6"	6"	6"	N	R	SAMPLE INTERVAL	PID / FID (ppm)	CHEMICAL ANALYSIS	GRAIN SIZE
0		0.5	Concrete								2	0.5ft	0	1	
0.5		9.5	Dark brown silty clay, few rocks											1.5	
9.5		15	Medium grain sand light brown, some rock											2	
	14ft		ground water											2.5	
											3.5	5-10		5.5	
														6	
														6.5	
														7	
														7.5	
														8	
														8.5	
											2	10-15		10.5	
														11	
														11.5	
														12	

NOTES AND COMMENTS

DEPTH OF BOREHOLE CAVING ___ DEPTH OF FIRST GROUNDWATER ENCOUNTER ___ TOPSOIL THICKNESS ___
WATER LEVEL IN OPEN BOREHOLE ON COMPLETION ___, AFTER ___ HOURS ___
COMPLETION DETAILS: ___

NOTE: FOR EACH SPLIT-SPOON SAMPLE, RECORD BLOW COUNTS, N-VALUE, SAMPLE RECOVERY LENGTH, AND SAMPLE INTERVAL.
NOTES:

SO-111096l5-SB20(1.5-2)-092415-MD-043 1230

SO-111096l5-SB20(9-9.5)-092415-MD-044 1235

Attachment B
Data Validation

Memorandum

To:	Michael Tomka	Ref. No.:	11109615
From:	Susan Scrocchi/adh/1	Date:	October 30, 2015
CC:	John-Eric Pardys		

Re: Analytical Results and Full Validation
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

1. Introduction

This document details a validation of analytical results for soil samples collected in support of the sub-slab investigation at the RACER Fredericksburg, Virginia site during September 2015. Samples were submitted to TestAmerica Laboratory, located in North Canton, Ohio. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spike (MS) samples, and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", United States Environmental Protection Agency (USEPA) 540-R-10-011, January 2010

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", USEPA 540-R-08-01, June 2008

These items will subsequently be referred to as the "Guidelines" in this Memorandum.

GHD Services Inc.
2055 Niagara Falls Boulevard Niagara Falls New York 14304 USA
T 716 297 6150 **F** 716 297 2265 **W** www.ghd.com

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration (Instrument Performance Check)

3.1 Organic Analyses

Prior to volatile organic compound (VOC) and semi-volatile organic compound (SVOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, methods require the analysis of specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP), respectively. The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout VOC and SVOC analysis periods. All tuning criteria were met, indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration - Organic Analyses

4.1 GC/MS

To quantify VOCs and SVOCs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.050 (greater than or equal to 0.010 for compounds that exhibit poor response).

ii) The percent relative standard deviation (%RSD) values must not exceed 20.0 percent (40.0 percent for compounds that exhibit poor response) or a minimum correlation coefficient (R) and minimum coefficient of determination (R^2) of 0.99 if linear and quadratic equation calibration curves are used.

The initial calibration data for VOCs and SVOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

4.2 GC

In order to quantify organic compounds of interest by GC, calibration of the gas chromatograph over a specific concentration range must be performed. Initially, a calibration curve consisting of a minimum of

five concentration levels is analyzed for polychlorinated biphenyls (PCBs) (Aroclors 1016 and 1260). A single calibration standard is analyzed for all other multi-response compounds. Linearity of the calibration curve is acceptable if all RSD values are less than or equal to 20.0 percent or if the correlation coefficient (R) is 0.99 or greater for linear regression curves.

Retention time windows are also calculated from the initial calibration analyses. These windows are then used to identify all compounds of interest in subsequent analyses.

All initial calibration standards were analyzed at the required frequencies. All retention time, peak resolution, and linearity criteria were satisfied as specified in the method.

5. Initial Calibration – Inorganic Analyses

Initial calibration of the instruments ensures that they are capable of producing satisfactory quantitative data at the beginning of a series of analyses. For inductively coupled plasma (ICP) analysis, a calibration blank and at least one standard must be analyzed at each wavelength to establish the analytical curve. For mercury atomic absorption (AA) analyses, a calibration blank and a minimum of five standards must be analyzed to establish the analytical curve, and resulting correlation coefficients (R) must be 0.995 or greater.

After the analyses of the calibration curves, an initial calibration verification (ICV) standard must be analyzed to verify the analytical accuracy of the calibration curves. All analyte recoveries from the analyses of the ICVs must be within the following control limits:

Analytical Method	Parameter	Control Limits
ICP/AA	Metals	90 - 110%
Cold Vapor AA	Mercury	80 - 120%

Upon review of the data, it was determined that the calibration curves and ICVs were analyzed at the proper frequencies and that all of the above-specified criteria were met. The laboratory effectively demonstrated that the instrumentation used for metals and general chemistry analyses were properly calibrated prior to sample analysis.

6. Continuing Calibration - Organic Analyses

6.1 GC/MS

To ensure that instrument calibration for VOC and SVOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.050 (greater than or equal to 0.010 for compounds that exhibit poor response).

ii) Percent difference (%D) values must not exceed 25.0 percent (40.0 percent for compounds that exhibit poor response).

Calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity and stability.

6.2 GC

To ensure that the calibration of the instrument for organic analyses by GC is valid throughout the sample analysis period, continuing calibration standards are analyzed and evaluated on a regular basis. To evaluate the continued linearity of the calibration, %D values are calculated for each compound. As specified in the methods, all %D values should not exceed 15 percent. To ensure that compound retention times do not vary over the analysis period, all retention times for continuing calibration compounds must fall within the established retention time windows.

All continuing calibration standards were analyzed at the required frequency. All %D values and compound retention times met the above criteria indicating acceptable instrument calibration throughout the analysis period.

7. Continuing Calibration - Inorganic Analyses

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration verification (CCV) standards are analyzed on a regular basis. Each CCV is deemed acceptable if all analyte recoveries are within the control limits specified above for the ICVs. If some of the CCV analyte recoveries are outside the control limits, samples analyzed before and after the CCV, up until the previous and proceeding CCV analyses, are affected.

For this study, CCVs were analyzed at the proper frequency. All analyte recoveries reported for the CCVs were within the specified limits.

8. Contract Required Detection Limit (CRDL) Standard Analyses

To verify the linearity of the ICP calibration near the detection limit, a standard is analyzed which contains the ICP analytes at specified concentrations. This standard must be analyzed at the beginning and end of each sample analysis run or a minimum of twice per 8-hour period.

CRDL recoveries were evaluated using the criteria specified in the October 2004 "Guidelines". The CRDL recoveries were acceptable with a few outlying recoveries. All associated sample results were non-detect or significantly greater than the detection limit and would not be impacted.

9. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures. Additionally, initial and continuing calibration blanks (ICBs/CCBs) are routinely analyzed after each ICV/CCV for the inorganic parameters.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

9.1 Organic Analyses

Most method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation. Some VOCs and SVOCs were detected in the blanks. All associated sample results with similar concentrations were qualified as non-detect (see Table 4).

9.2 Inorganic Analyses

Upon review of the ICBs, CCBs, and method blanks, it was noted that metal concentrations were observed above the method detection limit (MDL). Most investigative samples associated with the low level detections reported either non-detect concentrations or concentrations significantly greater than the associated laboratory blank concentrations for the analytes of interest. These sample results were not impacted by the contamination detected. Associated positive sample results with similar concentrations to the levels reported in the blanks were qualified as non-detect (see Table 5).

10. Surrogate Spike Recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC, SVOC, and PCB determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory control limits with the exception of SVOC analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the laboratory criteria with some exceptions. An extremely low (<10 percent) SVOC recovery was observed, and the associated sample results were non-detect and rejected due to the poor analytical efficiency. Some high VOC recoveries were observed. All associated positive sample results were qualified as estimated, and all non-detect results would not have been impacted by the implied high bias.

A summary of the qualifications is presented in Table 6.

11. Internal Standards (IS) Analyses

IS data were evaluated for all VOC and SVOC sample analyses.

11.1 Organics Analyses

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

i) The retention time of the IS must not vary more than ±30 seconds from the associated calibration standard.

ii) IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard.

All organic IS recoveries and retention times met the above criteria.

12. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

12.1 Organic Analyses

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy with the exception of some high VOC recoveries. All associated positive sample results were qualified as estimated (see Table 7), and all non-detect results would not have been impacted by the implied high bias.

12.2 Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

13. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with known concentrations of the analytes of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

MS/MSD analyses were performed at the recommended frequency.

13.1 Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with a few exceptions. An extremely low (<10 percent) SVOC recovery was observed. The sample result was non-detect and rejected due to the poor analytical accuracy (see Table 8). Some high SVOC recoveries were observed. The sample results were non-detect and would not have been impacted by the implied high bias.

13.2 Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision with a few exceptions. Some low recoveries were observed and all associated sample results were qualified as estimated (see Table 8) to reflect the implied low bias. Some high RPDs were observed between the MS and MSD concentrations. All associated positive sample results were qualified as estimated to reflect the implied variability (see Table 8).

14. ICP Serial Dilution

The serial dilution determines whether significant physical or chemical interferences exist due to sample matrix. A minimum of 1 per 20 investigative samples or at least 1 per analytical batch must be analyzed at a five-fold dilution. For samples with sufficient analyte concentrations (>50 times the method detection limit), the serial dilution results must agree within 10 percent of the original results.

A serial dilution was performed on each MS/MSD sample. Most results met the criteria above. Some recoveries were greater than 10 percent, and all associated sample results were qualified as estimated (see Table 9).

15. ICP Interference Check Sample Analysis (ICS)

To verify that the laboratory has established proper inter-element and background correction factors, ICSs are analyzed. These samples contain high concentrations of aluminum, calcium, magnesium, and iron and are analyzed at the beginning and end of each sample analysis period. The ICSs are evaluated against recovery control limits of 80 to 120 percent.

ICS analysis results were evaluated for all samples using the criteria in the "Guidelines". All ICS recoveries and results were acceptable.

16. Field QA/QC Samples

No field QA/QC samples were submitted.

17. Analyte Reporting

The laboratory reported detected results down to the laboratory's MDL for each analyte. Positive analyte detections less than the reporting limit (RL) but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Table 2.

All soil results were reported on a wet weight basis.

18. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to the identification criteria established by the methods. The organic compounds reported adhered to the specified identification criteria.

19. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific exceptions and qualifications noted herein.

Table 1

Sample Collection and Analysis Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

							Analysis/Parameters				
Sample Identification	**Location**	**Matrix**	**Initial Sample Depth (ft. bgs.)**	**Final Sample Depth (ft. bgs.)**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**TCL VOC**	**TCL SVOC**	**TAL Metals**	**TCL PCBs**	**Comments**
SO-11109615-SB1(0.5-1)-092215-MD-001	SB-1	Soil	0.5	1	09/22/2015	10:50	X	X	X	X	
SO-11109615-SB1(9.5-10)-092215-MD-002	SB-1	Soil	9.5	10	09/22/2015	11:00	X	X	X	X	
SO-11109615-SB2(0.5-1)-092215-MD-003	SB-2	Soil	0.5	1	09/22/2015	12:45	X	X	X	X	
SO-11109615-SB2(9-9.5)-092215-MD-004	SB-2	Soil	9	9.5	09/22/2015	12:55	X	X	X	X	
SO-11109615-SB3(1-1.5)-092315-MD-005	SB-3	Soil	1	1.5	09/23/2015	8:15	X	X	X	X	
SO-11109615-SB6(12.5-13)-092315-MD-014	SB-6	Soil	12.5	13	09/23/2015	10:30	X	X	X	X	
SO-11109615-SB7(1-1.5)-092315-MD-015	SB-7	Soil	1	1.5	09/23/2015	10:55	X	X	X	X	
SO-11109615-SB7(8-8.5)-092315-MD-016	SB-7	Soil	8	8.5	09/23/2015	11:05	X	X	X	X	
SO-11109615-SB8(1-1.5)-092315-MD-017	SB-8	Soil	1	1.5	09/23/2015	11:40	X	X	X	X	
SO-11109615-SB8(8.5-9)-092315-MD-018	SB-8	Soil	8.5	9	09/23/2015	11:45	X	X	X	X	
SO-11109615-SB9(1-1.5)-092315-MD-019	SB-9	Soil	1	1.5	09/23/2015	12:05	X	X	X	X	
SO-11109615-SB9(8-8.5)-092315-MD-020	SB-9	Soil	8	8.5	09/23/2015	12:15	X	X	X	X	
SO-11109615-SB10(1-1.5)-092315-MD-021	SB-10	Soil	1	1.5	09/23/2015	13:40	X	X	X	X	
SO-11109615-SB10(8-8.5)-092315-MD-022	SB-10	Soil	8	8.5	09/23/2015	13:50	X	X	X	X	
SO-11109615-SB11(1.5-2)-092315-MD-023	SB-11	Soil	1.5	2	09/23/2015	14:10	X	X	X	X	
SO-11109615-SB3(13-13.5)-092315-MD-006	SB-3	Soil	13	13.5	09/23/2015	8:25	X	X	X	X	
SO-11109615-SB11(8-8.5)-092315-MD-024	SB-11	Soil	8	8.5	09/23/2015	14:20	X	X	X	X	
SO-11109615-SB12(1-1.5)-092315-MD-025	SB-12	Soil	1	1.5	09/23/2015	14:40	X	X	X	X	
SO-11109615-SB12(8-8.5)-092315-MD-026	SB-12	Soil	8	8.5	09/23/2015	14:50	X	X	X	X	
SO-11109615-SB3(2.5-3)-092315-MD-027	SB-3	Soil	2.5	3	09/23/2015	15:00	X	X	X	X	
SO-11109615-SB4(1-1.5)-092315-MD-007	SB-4	Soil	1	1.5	09/23/2015	8:40	X	X	X	X	
SO-11109615-SB4(7-7.5)-092315-MD-008	SB-4	Soil	7	7.5	09/23/2015	8:50	X	X	X	X	
SO-11109615-SB5(1.5-2)-092315-MD-009	SB-5	Soil	1.5	2	09/23/2015	9:30	X	X	X	X	
SO-11109615-SB5(5.5-6)-092315-MD-010	SB-5	Soil	5.5	6	09/23/2015	9:40	X	X	X	X	
SO-11109615-SB5(12.5-13)-092315-MD-011	SB-5	Soil	12.5	13	09/23/2015	9:50	X	X	X	X	
SO-11109615-SB6(1-1.5)-092315-MD-012	SB-6	Soil	1	1.5	09/23/2015	10:15	X	X	X	X	
SO-11109615-SB6(6-6.5)-092315-MD-013	SB-6	Soil	6	6.5	09/23/2015	10:20	X	X	X	X	
SO-11109615-SB15(3.5-4)-092415-MD-028	SB-15	Soil	3.5	4	09/24/2015	8:30	X	X	X	X	
SO-11109615-SB18(1.5-2)-092415-MD-037	SB-18	Soil	1.5	2	09/24/2015	11:05	X	X	X	X	
SO-11109615-SB18(8-8.5)-092415-MD-038	SB-18	Soil	8	8.5	09/24/2015	11:15	X	X	X	X	
SO-11109615-SB19(1.5-2)-092415-MD-039	SB-19	Soil	1.5	2	09/24/2015	11:35	X	X	X	X	
SO-11109615-SB19(9-9.5)-092415-MD-040	SB-19	Soil	9	9.5	09/24/2015	11:40	X	X	X	X	
SO-11109615-SB17(1.5-2)-092415-MD-041	SB-17	Soil	1.5	2	09/24/2015	12:05	X	X	X	X	
SO-11109615-SB17(9-9.5)-092415-MD-042	SB-17	Soil	9	9.5	09/24/2015	12:10	X	X	X	X	
SO-11109615-SB20(1.5-2)-092415-MD-043	SB-20	Soil	1.5	2	09/24/2015	12:30	X	X	X	X	

Table 1

Sample Collection and Analysis Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

							Analysis/Parameters				
Sample Identification	**Location**	**Matrix**	**Initial Sample Depth (ft. bgs.)**	**Final Sample Depth (ft. bgs.)**	**Collection Date (mm/dd/yyyy)**	**Collection Time (hr:min)**	**TCL VOC**	**TCL SVOC**	**TAL Metals**	**TCL PCBs**	**Comments**
SO-11109615-SB20(9-9.5)-092415-MD-044	SB-20	Soil	9	9.5	09/24/2015	12:35	X	X	X	X	
SO-11109615-SB15(8.5-9)-092415-MD-029	SB-15	Soil	8.5	9	09/24/2015	8:35	X	X	X	X	
SO-11109615-SB13(2-2.5)-092415-MD-030	SB-13	Soil	2	2.5	09/24/2015	9:15	X	X	X	X	
SO-11109615-SB13(6-6.5)-092415-MD-031	SB-13	Soil	6	6.5	09/24/2015	9:30	X	X	X	X	
SO-11109615-SB13(14.5-15)-092415-MD-032	SB-13	Soil	14.5	15	09/24/2015	9:35	X	X	X	X	
SO-11109615-SB14(2-2.5)-092415-MD-033	SB-14	Soil	2	2.5	09/24/2015	10:00	X	X	X	X	
SO-11109615-SB14(8-8.5)-092415-MD-034	SB-14	Soil	8	8.5	09/24/2015	10:10	X	X	X	X	
SO-11109615-SB16(1.5-2)-092415-MD-035	SB-16	Soil	1.5	2	09/24/2015	10:30	X	X	X	X	
SO-11109615-SB16(9-9.5)-092415-MD-036	SB-16	Soil	9	9.5	09/24/2015	10:35	X	X	X	X	

Notes:

ft. bgs. - Feet below ground surface
PCBs - Polychlorinated Biphenyls
TCL - Target Compound List
VOC - Volatile Organic Compounds
SVOC - Semi-volatile Organic Compounds
TAL - Target Analyte List

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-1**	**SB-1**	**SB-2**
Sample ID:		**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**
Sample Date:		**9/22/2015**	**9/22/2015**	**9/22/2015**
Sample Depth:		**(0.5-1) ft. bgs.**	**(9.5-10) ft. bgs.**	**(0.5-1) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.7 U	5.4 U	3.9 U
1,1,2,2-Tetrachloroethane	µg/kg	4.7 U	5.4 U	3.9 U
1,1,2-Trichloroethane	µg/kg	4.7 U	5.4 U	3.9 U
1,1-Dichloroethane	µg/kg	4.7 U	5.4 U	3.9 U
1,1-Dichloroethene	µg/kg	4.7 U	5.4 U	3.9 U
1,2,4-Trichlorobenzene	µg/kg	4.7 U	5.4 U	3.9 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.3 U	11 U	7.9 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.7 U	5.4 U	3.9 U
1,2-Dichlorobenzene	µg/kg	4.7 U	5.4 U	3.9 U
1,2-Dichloroethane	µg/kg	4.7 U	5.4 U	3.9 U
1,2-Dichloropropane	µg/kg	4.7 U	5.4 U	3.9 U
1,3-Dichlorobenzene	µg/kg	4.7 U	5.4 U	3.9 U
1,4-Dichlorobenzene	µg/kg	0.41 J	0.42 J	3.9 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	19 U	22 U	1.2 J
2-Hexanone	µg/kg	19 U	22 U	16 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	19 U	22 U	16 U
Acetone	µg/kg	19 U	22 U	20 J
Benzene	µg/kg	4.7 U	5.4 U	3.9 U
Bromodichloromethane	µg/kg	4.7 U	5.4 U	3.9 U
Bromoform	µg/kg	4.7 U	5.4 U	3.9 U
Bromomethane (Methyl bromide)	µg/kg	4.7 U	5.4 U	3.9 U
Carbon disulfide	µg/kg	4.7 U	5.4 U	3.9 U
Carbon tetrachloride	µg/kg	4.7 U	5.4 U	3.9 U
Chlorobenzene	µg/kg	4.7 U	5.4 U	3.9 U
Chloroethane	µg/kg	4.7 U	5.4 U	3.9 U
Chloroform (Trichloromethane)	µg/kg	4.7 U	5.4 U	3.9 U
Chloromethane (Methyl chloride)	µg/kg	4.7 U	5.4 U	3.9 U
cis-1,2-Dichloroethene	µg/kg	4.7 U	5.4 U	3.9 U
cis-1,3-Dichloropropene	µg/kg	4.7 U	5.4 U	3.9 U
Cyclohexane	µg/kg	9.3 U	11 U	7.9 U
Dibromochloromethane	µg/kg	4.7 U	5.4 U	3.9 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.7 U	5.4 U	3.9 U
Ethylbenzene	µg/kg	4.7 U	5.4 U	3.9 U
Isopropyl benzene	µg/kg	4.7 U	5.4 U	3.9 U
Methyl acetate	µg/kg	9.3 U	11 U	7.9 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-1**	**SB-1**	**SB-2**
Sample ID:		**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**
Sample Date:		**9/22/2015**	**9/22/2015**	**9/22/2015**
Sample Depth:		**(0.5-1) ft. bgs.**	**(9.5-10) ft. bgs.**	**(0.5-1) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.3 U	11 U	7.9 U
Methyl tert butyl ether (MTBE)	µg/kg	4.7 U	5.4 U	3.9 U
Methylene chloride	µg/kg	4.7 U	5.4 U	5.0
Styrene	µg/kg	4.7 U	5.4 U	3.9 U
Tetrachloroethene	µg/kg	4.7 U	5.4 U	3.9 U
Toluene	µg/kg	4.7 U	5.4 U	3.9 U
trans-1,2-Dichloroethene	µg/kg	4.7 U	5.4 U	3.9 U
trans-1,3-Dichloropropene	µg/kg	4.7 U	5.4 U	3.9 U
Trichloroethene	µg/kg	4.7 U	5.4 U	3.9 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.7 U	5.4 U	3.9 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.7 U	5.4 U	3.9 U
Vinyl chloride	µg/kg	4.7 U	5.4 U	3.9 U
Xylenes (total)	µg/kg	9.3 U	11 U	7.9 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	100 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U	50 U
2-Chlorophenol	µg/kg	50 U	50 U	50 U
2-Methylnaphthalene	µg/kg	6.7 U	6.7 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U	50 U
3&4-Methylphenol	µg/kg	400 U	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	100 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-1**	**SB-1**	**SB-2**
Sample ID:		**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**
Sample Date:		**9/22/2015**	**9/22/2015**	**9/22/2015**
Sample Depth:		**(0.5-1) ft. bgs.**	**(9.5-10) ft. bgs.**	**(0.5-1) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.7 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	6.7 U	6.7 U
Acetophenone	µg/kg	100 U	100 U	100 U
Anthracene	µg/kg	6.7 U	6.7 U	6.7 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	100 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	6.7 U	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	6.7 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.7 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.7 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.7 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	100 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	70 U	70 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	70 U	70 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	50 U	50 U
Chrysene	µg/kg	6.7 U	6.7 U	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.7 U	6.7 U
Dibenzofuran	µg/kg	50 U	50 U	50 U
Diethyl phthalate	µg/kg	70 U	70 U	70 U
Dimethyl phthalate	µg/kg	70 U	70 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	70 U	70 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	70 U	70 U
Fluoranthene	µg/kg	6.7 U	6.7 U	6.7 U
Fluorene	µg/kg	6.7 U	6.7 U	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	6.7 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	50 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-1**	**SB-1**	**SB-2**
Sample ID:		**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**
Sample Date:		**9/22/2015**	**9/22/2015**	**9/22/2015**
Sample Depth:		**(0.5-1) ft. bgs.**	**(9.5-10) ft. bgs.**	**(0.5-1) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.7 U	6.7 U
Isophorone	µg/kg	50 U	50 U	50 U
Naphthalene	µg/kg	6.7 U	6.7 U	6.7 U
Nitrobenzene	µg/kg	100 U	100 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	50 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.7 U	6.7 U
Phenol	µg/kg	50 U	50 U	50 U
Pyrene	µg/kg	6.7 U	6.7 U	6.7 U
Metals				
Aluminum	mg/kg	17000 J	6800 J	14000 J
Antimony	mg/kg	0.98 UJ	0.74 UJ	0.91 UJ
Arsenic	mg/kg	2.8	1.3	2.8
Barium	mg/kg	43 J	11 J	49 J
Beryllium	mg/kg	0.42 J	0.30 J	0.35 J
Cadmium	mg/kg	0.20 U	0.15 U	0.18 U
Calcium	mg/kg	1600 J	370 UJ	590 J
Chromium	mg/kg	16 J	11 J	15 J
Cobalt	mg/kg	5.6	8.2	7.8
Copper	mg/kg	8.0	7.8	6.8
Iron	mg/kg	21000 J	13000 J	18000 J
Lead	mg/kg	7.7	4.2	8.0
Magnesium	mg/kg	840 J	560 J	530 J
Manganese	mg/kg	210 J	230 J	330 J
Mercury	mg/kg	0.057 J	0.095 U	0.071 J
Nickel	mg/kg	6.5	4.2	5.8
Potassium	mg/kg	850 J	470 J	1900 J
Selenium	mg/kg	0.49 U	0.25 J	0.45 U
Silver	mg/kg	0.49 U	0.37 U	0.45 U
Sodium	mg/kg	420 J	370 U	760
Thallium	mg/kg	0.98 U	0.74 U	0.91 U
Vanadium	mg/kg	47 J	20 J	41 J
Zinc	mg/kg	27	13	23

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-1**	**SB-1**	**SB-2**
Sample ID:		**SO-11109615-SB1(0.5-1)-092215-MD-001**	**SO-11109615-SB1(9.5-10)-092215-MD-002**	**SO-11109615-SB2(0.5-1)-092215-MD-003**
Sample Date:		**9/22/2015**	**9/22/2015**	**9/22/2015**
Sample Depth:		**(0.5-1) ft. bgs.**	**(9.5-10) ft. bgs.**	**(0.5-1) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	34 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-2**	**SB-3**	**SB-3**
Sample ID:		**SO-11109615-SB2(9-9.5)-092215-MD-004**	**SO-11109615-SB3(1-1.5)-092315-MD-005**	**SO-11109615-SB3(2.5-3)-092315-MD-027**
Sample Date:		**9/22/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(9-9.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(2.5-3) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.6 U	3.8 U	4.4 U
1,1,2,2-Tetrachloroethane	µg/kg	4.6 U	3.8 U	4.4 U
1,1,2-Trichloroethane	µg/kg	4.6 U	3.8 U	4.4 U
1,1-Dichloroethane	µg/kg	4.6 U	3.8 U	4.4 U
1,1-Dichloroethene	µg/kg	4.6 U	3.8 U	4.4 U
1,2,4-Trichlorobenzene	µg/kg	4.6 U	3.8 U	4.4 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.2 U	7.5 U	8.8 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.6 U	3.8 U	4.4 U
1,2-Dichlorobenzene	µg/kg	4.6 U	3.8 U	4.4 U
1,2-Dichloroethane	µg/kg	4.6 U	3.8 U	4.4 U
1,2-Dichloropropane	µg/kg	4.6 U	3.8 U	4.4 U
1,3-Dichlorobenzene	µg/kg	4.6 U	3.8 U	4.4 U
1,4-Dichlorobenzene	µg/kg	4.6 U	3.8 U	4.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	18 U	15 U	18 U
2-Hexanone	µg/kg	18 U	15 U	18 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	18 U	15 U	18 U
Acetone	µg/kg	18 U	15 U	18 U
Benzene	µg/kg	4.6 U	3.8 U	4.4 U
Bromodichloromethane	µg/kg	4.6 U	3.8 U	4.4 U
Bromoform	µg/kg	4.6 U	3.8 U	4.4 U
Bromomethane (Methyl bromide)	µg/kg	4.6 U	3.8 U	4.4 U
Carbon disulfide	µg/kg	4.6 U	3.8 U	4.4 U
Carbon tetrachloride	µg/kg	4.6 U	3.8 U	4.4 U
Chlorobenzene	µg/kg	4.6 U	3.8 U	4.4 U
Chloroethane	µg/kg	4.6 U	3.8 U	4.4 U
Chloroform (Trichloromethane)	µg/kg	4.6 U	3.8 U	4.4 U
Chloromethane (Methyl chloride)	µg/kg	4.6 U	3.8 U	4.4 U
cis-1,2-Dichloroethene	µg/kg	4.6 U	3.8 U	4.4 U
cis-1,3-Dichloropropene	µg/kg	4.6 U	3.8 U	4.4 U
Cyclohexane	µg/kg	9.2 U	7.5 U	8.8 U
Dibromochloromethane	µg/kg	4.6 U	3.8 U	4.4 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.6 U	3.8 U	4.4 U
Ethylbenzene	µg/kg	4.6 U	3.8 U	4.4 U
Isopropyl benzene	µg/kg	4.6 U	3.8 U	4.4 U
Methyl acetate	µg/kg	9.2 U	7.5 U	8.8 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		SB-2	SB-3	SB-3
Sample ID:		SO-11109615-SB2(9-9.5)-092215-MD-004	SO-11109615-SB3(1-1.5)-092315-MD-005	SO-11109615-SB3(2.5-3)-092315-MD-027
Sample Date:		9/22/2015	9/23/2015	9/23/2015
Sample Depth:		(9-9.5) ft. bgs.	(1-1.5) ft. bgs.	(2.5-3) ft. bgs.
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.2 U	7.5 U	8.8 U
Methyl tert butyl ether (MTBE)	µg/kg	4.6 U	3.8 U	4.4 U
Methylene chloride	µg/kg	4.6 U	3.8 U	4.4 U
Styrene	µg/kg	4.6 U	3.8 U	4.4 U
Tetrachloroethene	µg/kg	4.6 U	3.8 U	4.4 U
Toluene	µg/kg	4.6 U	3.8 U	4.4 U
trans-1,2-Dichloroethene	µg/kg	4.6 U	3.8 U	4.4 U
trans-1,3-Dichloropropene	µg/kg	4.6 U	3.8 U	4.4 U
Trichloroethene	µg/kg	4.6 U	3.8 U	4.4 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.6 U	3.8 U	4.4 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.6 U	3.8 U	4.4 U
Vinyl chloride	µg/kg	4.6 U	3.8 U	4.4 U
Xylenes (total)	µg/kg	9.2 U	7.5 U	8.8 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	99 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	49 U	51 U
2-Chlorophenol	µg/kg	50 U	49 U	51 U
2-Methylnaphthalene	µg/kg	6.7 U	6.6 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	49 U	51 U
3&4-Methylphenol	µg/kg	400 U	390 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	99 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	49 U	51 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-2	SB-3	SB-3
	Sample ID:	SO-11109615-SB2(9-9.5)-092215-MD-004	SO-11109615-SB3(1-1.5)-092315-MD-005	SO-11109615-SB3(2.5-3)-092315-MD-027
	Sample Date:	9/22/2015	9/23/2015	9/23/2015
	Sample Depth:	(9-9.5) ft. bgs.	(1-1.5) ft. bgs.	(2.5-3) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	49 U	51 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.6 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	6.6 U	6.7 U
Acetophenone	µg/kg	100 U	99 U	100 U
Anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	99 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	49 U	51 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	99 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	99 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	69 U	71 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	69 U	71 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	49 U	51 U
Chrysene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenzofuran	µg/kg	50 U	49 U	51 U
Diethyl phthalate	µg/kg	70 U	69 U	71 U
Dimethyl phthalate	µg/kg	70 U	69 U	71 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	69 U	71 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	69 U	71 U
Fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Fluorene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	49 U	51 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	49 U	51 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-2	SB-3	SB-3
	Sample ID:	SO-11109615-SB2(9-9.5)-092215-MD-004	SO-11109615-SB3(1-1.5)-092315-MD-005	SO-11109615-SB3(2.5-3)-092315-MD-027
	Sample Date:	9/22/2015	9/23/2015	9/23/2015
	Sample Depth:	(9-9.5) ft. bgs.	(1-1.5) ft. bgs.	(2.5-3) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Isophorone	µg/kg	50 U	49 U	51 U
Naphthalene	µg/kg	6.7 U	6.6 U	13
Nitrobenzene	µg/kg	100 U	99 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	49 U	51 U
N-Nitrosodiphenylamine	µg/kg	50 U	49 U	51 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.6 U	6.7 U
Phenol	µg/kg	50 U	49 U	51 U
Pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Metals				
Aluminum	mg/kg	8300 J	14000 J	14000
Antimony	mg/kg	0.87 UJ	0.81 UJ	0.96 UJ
Arsenic	mg/kg	1.6	3.2	4.9
Barium	mg/kg	8.9 J	57 J	40
Beryllium	mg/kg	0.35 J	0.45	0.45 J
Cadmium	mg/kg	0.17 U	0.16 U	0.19 U
Calcium	mg/kg	430 UJ	810 J	1000
Chromium	mg/kg	17 J	17 J	26
Cobalt	mg/kg	4.4	9.3	2.2 J
Copper	mg/kg	10	7.0	6.9
Iron	mg/kg	17000 J	19000 J	29000
Lead	mg/kg	5.3	9.7	6.0
Magnesium	mg/kg	630 J	640 J	560
Manganese	mg/kg	250 J	480 J	69
Mercury	mg/kg	0.11 U	0.057 J	0.062 J
Nickel	mg/kg	4.2	6.7	5.4
Potassium	mg/kg	2500 J	820 J	400 J
Selenium	mg/kg	0.43 U	0.32 J	0.48 U
Silver	mg/kg	0.43 U	0.41 U	0.48 U
Sodium	mg/kg	710	1900	190 J
Thallium	mg/kg	0.87 U	0.81 U	0.96 U
Vanadium	mg/kg	32 J	42 J	57
Zinc	mg/kg	16	24	17

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-2**	**SB-3**	**SB-3**
Sample ID:		**SO-11109615-SB2(9-9.5)-092215-MD-004**	**SO-11109615-SB3(1-1.5)-092315-MD-005**	**SO-11109615-SB3(2.5-3)-092315-MD-027**
Sample Date:		**9/22/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(9-9.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(2.5-3) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-3**	**SB-4**	**SB-4**
Sample ID:		**SO-11109615-SB3(13-13.5)-092315-MD-006**	**SO-11109615-SB4(1-1.5)-092315-MD-007**	**SO-11109615-SB4(7-7.5)-092315-MD-008**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(13-13.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(7-7.5) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.8 U	5.1 U	4.2 U
1,1,2,2-Tetrachloroethane	µg/kg	4.8 U	5.1 U	4.2 U
1,1,2-Trichloroethane	µg/kg	4.8 U	5.1 U	4.2 U
1,1-Dichloroethane	µg/kg	4.8 U	5.1 U	4.2 U
1,1-Dichloroethene	µg/kg	4.8 U	5.1 U	4.2 U
1,2,4-Trichlorobenzene	µg/kg	4.8 U	5.1 U	4.2 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.5 U	10 U	8.4 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.8 U	5.1 U	4.2 U
1,2-Dichlorobenzene	µg/kg	4.8 U	5.1 U	4.2 U
1,2-Dichloroethane	µg/kg	4.8 U	5.1 U	4.2 U
1,2-Dichloropropane	µg/kg	4.8 U	5.1 U	4.2 U
1,3-Dichlorobenzene	µg/kg	4.8 U	5.1 U	4.2 U
1,4-Dichlorobenzene	µg/kg	4.8 U	5.1 U	4.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	19 U	20 U	17 U
2-Hexanone	µg/kg	19 U	20 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	19 U	20 U	17 U
Acetone	µg/kg	19 U	20 U	17 U
Benzene	µg/kg	4.8 U	5.1 U	4.2 U
Bromodichloromethane	µg/kg	4.8 U	5.1 U	4.2 U
Bromoform	µg/kg	4.8 U	5.1 U	4.2 U
Bromomethane (Methyl bromide)	µg/kg	4.8 U	5.1 U	4.2 U
Carbon disulfide	µg/kg	4.8 U	5.1 U	4.2 U
Carbon tetrachloride	µg/kg	4.8 U	5.1 U	4.2 U
Chlorobenzene	µg/kg	4.8 U	5.1 U	4.2 U
Chloroethane	µg/kg	4.8 U	5.1 U	4.2 U
Chloroform (Trichloromethane)	µg/kg	4.8 U	5.1 U	4.2 U
Chloromethane (Methyl chloride)	µg/kg	4.8 U	5.1 U	4.2 U
cis-1,2-Dichloroethene	µg/kg	4.8 U	5.1 U	4.2 U
cis-1,3-Dichloropropene	µg/kg	4.8 U	5.1 U	4.2 U
Cyclohexane	µg/kg	9.5 U	10 U	8.4 U
Dibromochloromethane	µg/kg	4.8 U	5.1 U	4.2 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.8 U	5.1 U	4.2 U
Ethylbenzene	µg/kg	4.8 U	5.1 U	4.2 U
Isopropyl benzene	µg/kg	4.8 U	5.1 U	4.2 U
Methyl acetate	µg/kg	9.5 U	10 U	8.4 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-3**	**SB-4**	**SB-4**
Sample ID:		**SO-11109615-SB3(13-13.5)-092315-MD-006**	**SO-11109615-SB4(1-1.5)-092315-MD-007**	**SO-11109615-SB4(7-7.5)-092315-MD-008**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(13-13.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(7-7.5) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.5 U	10 U	8.4 U
Methyl tert butyl ether (MTBE)	µg/kg	4.8 U	5.1 U	4.2 U
Methylene chloride	µg/kg	2.0 J	5.1 U	4.2 U
Styrene	µg/kg	4.8 U	5.1 U	4.2 U
Tetrachloroethene	µg/kg	4.8 U	5.1 U	4.2 U
Toluene	µg/kg	4.8 U	5.1 U	4.2 U
trans-1,2-Dichloroethene	µg/kg	4.8 U	5.1 U	4.2 U
trans-1,3-Dichloropropene	µg/kg	4.8 U	5.1 U	4.2 U
Trichloroethene	µg/kg	4.8 U	5.1 U	4.2 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.8 U	5.1 U	4.2 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.8 U	5.1 U	4.2 U
Vinyl chloride	µg/kg	4.8 U	5.1 U	4.2 U
Xylenes (total)	µg/kg	9.5 U	10 U	8.4 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	100 U	99 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U	49 U
2-Chlorophenol	µg/kg	50 U	50 U	49 U
2-Methylnaphthalene	µg/kg	6.7 U	6.7 U	6.6 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U	49 U
3&4-Methylphenol	µg/kg	400 U	400 U	390 U
3,3'-Dichlorobenzidine	µg/kg	100 U	100 U	99 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	49 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-3**	**SB-4**	**SB-4**
Sample ID:		**SO-11109615-SB3(13-13.5)-092315-MD-006**	**SO-11109615-SB4(1-1.5)-092315-MD-007**	**SO-11109615-SB4(7-7.5)-092315-MD-008**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(13-13.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(7-7.5) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	49 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.7 U	6.6 U
Acenaphthylene	µg/kg	6.7 U	6.7 U	6.6 U
Acetophenone	µg/kg	100 U	100 U	99 U
Anthracene	µg/kg	6.7 U	6.7 U	6.6 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	100 U	99 U
Benzo(a)anthracene	µg/kg	6.7 U	6.7 U	6.6 U
Benzo(a)pyrene	µg/kg	6.7 U	6.7 U	6.6 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.7 U	6.6 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.7 U	6.6 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.7 U	6.6 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	49 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	100 U	99 U
bis(2-Chloroethyl)ether	µg/kg	100 U	100 U	99 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	70 U	30 J
Butyl benzylphthalate (BBP)	µg/kg	70 U	70 U	69 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	50 U	49 U
Chrysene	µg/kg	6.7 U	6.7 U	6.6 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.7 U	6.6 U
Dibenzofuran	µg/kg	50 U	50 U	49 U
Diethyl phthalate	µg/kg	70 U	70 U	69 U
Dimethyl phthalate	µg/kg	70 U	70 U	69 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	70 U	69 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	70 U	69 U
Fluoranthene	µg/kg	6.7 U	6.7 U	6.6 U
Fluorene	µg/kg	6.7 U	6.7 U	6.6 U
Hexachlorobenzene	µg/kg	6.7 U	6.7 U	6.6 U
Hexachlorobutadiene	µg/kg	50 U	50 U	49 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U	49 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-3	SB-4	SB-4
	Sample ID:	SO-11109615-SB3(13-13.5)-092315-MD-006	SO-11109615-SB4(1-1.5)-092315-MD-007	SO-11109615-SB4(7-7.5)-092315-MD-008
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(13-13.5) ft. bgs.	(1-1.5) ft. bgs.	(7-7.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.7 U	6.6 U
Isophorone	µg/kg	50 U	50 U	49 U
Naphthalene	µg/kg	6.7 U	6.7 U	6.6 U
Nitrobenzene	µg/kg	100 U	100 U	99 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	49 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	49 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.7 U	6.6 U
Phenol	µg/kg	50 U	50 U	49 U
Pyrene	µg/kg	6.7 U	6.7 U	6.6 U
Metals				
Aluminum	mg/kg	5300 J	12000 J	10000 J
Antimony	mg/kg	0.71 UJ	0.84 UJ	0.93 UJ
Arsenic	mg/kg	1.1	2.7	2.2
Barium	mg/kg	9.9 J	50 J	16 J
Beryllium	mg/kg	0.26 J	0.39 J	0.34 J
Cadmium	mg/kg	0.14 U	0.17 U	0.19 U
Calcium	mg/kg	360 UJ	970 J	660 J
Chromium	mg/kg	8.2 J	12 J	14 J
Cobalt	mg/kg	5.9	6.1	3.1 J
Copper	mg/kg	4.8	5.0	6.9
Iron	mg/kg	22000 J	14000 J	21000 J
Lead	mg/kg	2.0	6.3	5.6
Magnesium	mg/kg	130 J	580 J	520 J
Manganese	mg/kg	73 J	280 J	130 J
Mercury	mg/kg	0.098 U	0.050 J	0.019 J
Nickel	mg/kg	2.0 J	5.4	2.9 J
Potassium	mg/kg	360 UJ	400 J	410 J
Selenium	mg/kg	0.27 J	0.69	0.46 U
Silver	mg/kg	0.36 U	0.42 U	0.46 U
Sodium	mg/kg	360 U	420 U	460 U
Thallium	mg/kg	0.71 U	0.84 U	0.93 U
Vanadium	mg/kg	9.5 J	32 J	34 J
Zinc	mg/kg	8.6	20	16

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-3**	**SB-4**	**SB-4**
Sample ID:		**SO-11109615-SB3(13-13.5)-092315-MD-006**	**SO-11109615-SB4(1-1.5)-092315-MD-007**	**SO-11109615-SB4(7-7.5)-092315-MD-008**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(13-13.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(7-7.5) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-5**	**SB-5**	**SB-5**
Sample ID:		**SO-11109615-SB5(1.5-2)-092315-MD-009**	**SO-11109615-SB5(5.5-6)-092315-MD-010**	**SO-11109615-SB5(12.5-13)-092315-MD-011**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(5.5-6) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.2 U	4.7 U	4.9 U
1,1,2,2-Tetrachloroethane	µg/kg	4.2 U	4.7 U	4.9 U
1,1,2-Trichloroethane	µg/kg	4.2 U	4.7 U	4.9 U
1,1-Dichloroethane	µg/kg	4.2 U	4.7 U	4.9 U
1,1-Dichloroethene	µg/kg	4.2 U	4.7 U	4.9 U
1,2,4-Trichlorobenzene	µg/kg	4.2 U	4.7 U	4.9 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	8.4 U	9.3 U	9.7 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.2 U	4.7 U	4.9 U
1,2-Dichlorobenzene	µg/kg	4.2 U	4.7 U	4.9 U
1,2-Dichloroethane	µg/kg	4.2 U	4.7 U	4.9 U
1,2-Dichloropropane	µg/kg	4.2 U	4.7 U	4.9 U
1,3-Dichlorobenzene	µg/kg	4.2 U	4.7 U	4.9 U
1,4-Dichlorobenzene	µg/kg	4.2 U	4.7 U	4.9 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	17 U	19 U	19 U
2-Hexanone	µg/kg	17 U	19 U	19 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	17 U	19 U	19 U
Acetone	µg/kg	17 U	17 J	19 U
Benzene	µg/kg	4.2 U	4.7 U	4.9 U
Bromodichloromethane	µg/kg	4.2 U	4.7 U	4.9 U
Bromoform	µg/kg	4.2 U	4.7 U	4.9 U
Bromomethane (Methyl bromide)	µg/kg	4.2 U	4.7 U	4.9 U
Carbon disulfide	µg/kg	4.2 U	4.7 U	4.9 U
Carbon tetrachloride	µg/kg	4.2 U	4.7 U	4.9 U
Chlorobenzene	µg/kg	4.2 U	4.7 U	4.9 U
Chloroethane	µg/kg	4.2 U	4.7 U	4.9 U
Chloroform (Trichloromethane)	µg/kg	4.2 U	4.7 U	4.9 U
Chloromethane (Methyl chloride)	µg/kg	4.2 U	4.7 U	4.9 U
cis-1,2-Dichloroethene	µg/kg	4.2 U	4.7 U	4.9 U
cis-1,3-Dichloropropene	µg/kg	4.2 U	4.7 U	4.9 U
Cyclohexane	µg/kg	8.4 U	9.3 U	9.7 U
Dibromochloromethane	µg/kg	4.2 U	4.7 U	4.9 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.2 U	4.7 U	4.9 U
Ethylbenzene	µg/kg	4.2 U	4.7 U	4.9 U
Isopropyl benzene	µg/kg	4.2 U	4.7 U	4.9 U
Methyl acetate	µg/kg	8.4 U	9.3 U	9.7 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-5**	**SB-5**	**SB-5**
Sample ID:		**SO-11109615-SB5(1.5-2)-092315-MD-009**	**SO-11109615-SB5(5.5-6)-092315-MD-010**	**SO-11109615-SB5(12.5-13)-092315-MD-011**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(5.5-6) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	8.4 U	9.3 U	9.7 U
Methyl tert butyl ether (MTBE)	µg/kg	4.2 U	4.7 U	4.9 U
Methylene chloride	µg/kg	8.9	11	7.2
Styrene	µg/kg	0.37 J	4.7 U	4.9 U
Tetrachloroethene	µg/kg	4.2 U	4.7 U	4.9 U
Toluene	µg/kg	0.30 J	0.31 J	4.9 U
trans-1,2-Dichloroethene	µg/kg	4.2 U	4.7 U	4.9 U
trans-1,3-Dichloropropene	µg/kg	4.2 U	4.7 U	4.9 U
Trichloroethene	µg/kg	4.2 U	4.7 U	4.9 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.2 U	4.7 U	4.9 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.2 U	4.7 U	4.9 U
Vinyl chloride	µg/kg	4.2 U	4.7 U	4.9 U
Xylenes (total)	µg/kg	8.4 U	9.3 U	9.7 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	100 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	340 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	51 U	51 U	50 U
2-Chlorophenol	µg/kg	51 U	51 U	50 U
2-Methylnaphthalene	µg/kg	6.7 U	6.8 U	6.6 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	51 U	51 U	50 U
3&4-Methylphenol	µg/kg	400 U	410 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	100 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	51 U	51 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-5**	**SB-5**	**SB-5**
Sample ID:		**SO-11109615-SB5(1.5-2)-092315-MD-009**	**SO-11109615-SB5(5.5-6)-092315-MD-010**	**SO-11109615-SB5(12.5-13)-092315-MD-011**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(5.5-6) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	51 U	51 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	340 U	330 U
Acenaphthene	µg/kg	6.7 U	6.8 U	6.6 U
Acenaphthylene	µg/kg	6.7 U	6.8 U	6.6 U
Acetophenone	µg/kg	100 U	100 U	100 U
Anthracene	µg/kg	6.7 U	6.8 U	6.6 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	100 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	6.8 U	6.6 U
Benzo(a)pyrene	µg/kg	6.7 U	6.8 U	6.6 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.8 U	6.6 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.8 U	6.6 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.8 U	6.6 U
Biphenyl (1,1-Biphenyl)	µg/kg	51 U	51 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	100 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	71 U	71 U	70 U
Butyl benzylphthalate (BBP)	µg/kg	71 U	71 U	70 U
Caprolactam	µg/kg	330 U	340 U	330 U
Carbazole	µg/kg	51 U	51 U	50 U
Chrysene	µg/kg	6.7 U	6.8 U	6.6 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.8 U	6.6 U
Dibenzofuran	µg/kg	51 U	51 U	50 U
Diethyl phthalate	µg/kg	71 U	71 U	70 U
Dimethyl phthalate	µg/kg	71 U	71 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	71 U	71 U	70 U
Di-n-octyl phthalate (DnOP)	µg/kg	71 U	71 U	70 U
Fluoranthene	µg/kg	6.7 U	6.8 U	6.6 U
Fluorene	µg/kg	6.7 U	6.8 U	6.6 U
Hexachlorobenzene	µg/kg	6.7 U	6.8 U	6.6 U
Hexachlorobutadiene	µg/kg	51 U	51 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	340 U	330 U
Hexachloroethane	µg/kg	51 U	51 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-5	SB-5	SB-5
	Sample ID:	SO-11109615-SB5(1.5-2)-092315-MD-009	SO-11109615-SB5(5.5-6)-092315-MD-010	SO-11109615-SB5(12.5-13)-092315-MD-011
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(1.5-2) ft. bgs.	(5.5-6) ft. bgs.	(12.5-13) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.8 U	6.6 U
Isophorone	µg/kg	51 U	51 U	50 U
Naphthalene	µg/kg	6.7 U	6.8 U	6.6 U
Nitrobenzene	µg/kg	100 U	100 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	51 U	51 U	50 U
N-Nitrosodiphenylamine	µg/kg	51 U	51 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.8 U	6.6 U
Phenol	µg/kg	51 U	51 U	50 U
Pyrene	µg/kg	6.7 U	6.8 U	6.6 U
Metals				
Aluminum	mg/kg	7900 J	3000 J	8100 J
Antimony	mg/kg	0.85 UJ	0.71 UJ	0.74 UJ
Arsenic	mg/kg	1.7	0.70 J	1.1
Barium	mg/kg	19 J	20 J	86 J
Beryllium	mg/kg	0.35 J	0.26 J	0.39
Cadmium	mg/kg	0.17 U	0.14 U	0.15 U
Calcium	mg/kg	400 J	790 J	1400 J
Chromium	mg/kg	11 J	12 J	29 J
Cobalt	mg/kg	6.1	4.2	6.7
Copper	mg/kg	6.1	3.4	9.5
Iron	mg/kg	16000 J	8200 J	13000 J
Lead	mg/kg	4.2	2.2	3.3
Magnesium	mg/kg	370 J	290 J	3800 J
Manganese	mg/kg	180 J	260 J	230 J
Mercury	mg/kg	0.035 J	0.086 U	0.094 U
Nickel	mg/kg	3.0 J	2.0 J	14
Potassium	mg/kg	400 J	190 J	3600 J
Selenium	mg/kg	0.40 J	0.35 U	0.27 J
Silver	mg/kg	0.42 U	0.35 U	0.37 U
Sodium	mg/kg	420 U	350 U	370 U
Thallium	mg/kg	0.85 U	0.71 U	0.74 U
Vanadium	mg/kg	26 J	16 J	31 J
Zinc	mg/kg	13	9.3	30

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-5**	**SB-5**	**SB-5**
Sample ID:		**SO-11109615-SB5(1.5-2)-092315-MD-009**	**SO-11109615-SB5(5.5-6)-092315-MD-010**	**SO-11109615-SB5(12.5-13)-092315-MD-011**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(5.5-6) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-6**	**SB-6**	**SB-6**
Sample ID:		**SO-11109615-SB6(1-1.5)-092315-MD-012**	**SO-11109615-SB6(6-6.5)-092315-MD-013**	**SO-11109615-SB6(12.5-13)-092315-MD-014**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	5.4 U	5.0 U	4.3 U
1,1,2,2-Tetrachloroethane	µg/kg	5.4 U	5.0 U	4.3 U
1,1,2-Trichloroethane	µg/kg	5.4 U	5.0 U	4.3 U
1,1-Dichloroethane	µg/kg	5.4 U	5.0 U	4.3 U
1,1-Dichloroethene	µg/kg	5.4 U	5.0 U	4.3 U
1,2,4-Trichlorobenzene	µg/kg	5.4 U	5.0 U	4.3 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	11 U	10 U	8.6 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	5.4 U	5.0 U	4.3 U
1,2-Dichlorobenzene	µg/kg	5.4 U	5.0 U	4.3 U
1,2-Dichloroethane	µg/kg	5.4 U	5.0 U	4.3 U
1,2-Dichloropropane	µg/kg	5.4 U	5.0 U	4.3 U
1,3-Dichlorobenzene	µg/kg	5.4 U	5.0 U	4.3 U
1,4-Dichlorobenzene	µg/kg	5.4 U	5.0 U	4.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	22 U	20 U	17 U
2-Hexanone	µg/kg	22 U	20 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	22 U	20 U	17 U
Acetone	µg/kg	22 U	20 U	17 U
Benzene	µg/kg	5.4 U	5.0 U	4.3 U
Bromodichloromethane	µg/kg	5.4 U	5.0 U	4.3 U
Bromoform	µg/kg	5.4 U	5.0 U	4.3 U
Bromomethane (Methyl bromide)	µg/kg	5.4 U	5.0 U	4.3 U
Carbon disulfide	µg/kg	5.4 U	5.0 U	4.3 U
Carbon tetrachloride	µg/kg	5.4 U	5.0 U	4.3 U
Chlorobenzene	µg/kg	5.4 U	5.0 U	4.3 U
Chloroethane	µg/kg	5.4 U	5.0 U	4.3 U
Chloroform (Trichloromethane)	µg/kg	5.4 U	5.0 U	4.3 U
Chloromethane (Methyl chloride)	µg/kg	5.4 U	5.0 U	4.3 U
cis-1,2-Dichloroethene	µg/kg	5.4 U	5.0 U	4.3 U
cis-1,3-Dichloropropene	µg/kg	5.4 U	5.0 U	4.3 U
Cyclohexane	µg/kg	11 U	10 U	8.6 U
Dibromochloromethane	µg/kg	5.4 U	5.0 U	4.3 U
Dichlorodifluoromethane (CFC-12)	µg/kg	5.4 U	5.0 U	4.3 U
Ethylbenzene	µg/kg	5.4 U	5.0 U	4.3 U
Isopropyl benzene	µg/kg	5.4 U	5.0 U	4.3 U
Methyl acetate	µg/kg	11 U	10 U	8.6 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-6**	**SB-6**	**SB-6**
Sample ID:		**SO-11109615-SB6(1-1.5)-092315-MD-012**	**SO-11109615-SB6(6-6.5)-092315-MD-013**	**SO-11109615-SB6(12.5-13)-092315-MD-014**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	11 U	10 U	8.6 U
Methyl tert butyl ether (MTBE)	µg/kg	5.4 U	5.0 U	4.3 U
Methylene chloride	µg/kg	1.6 J	5.0 U	2.7 J
Styrene	µg/kg	5.4 U	5.0 U	4.3 U
Tetrachloroethene	µg/kg	5.4 U	5.0 U	4.3 U
Toluene	µg/kg	5.4 U	5.0 U	4.3 U
trans-1,2-Dichloroethene	µg/kg	5.4 U	5.0 U	4.3 U
trans-1,3-Dichloropropene	µg/kg	5.4 U	5.0 U	4.3 U
Trichloroethene	µg/kg	5.4 U	5.0 U	4.3 U
Trichlorofluoromethane (CFC-11)	µg/kg	5.4 U	5.0 U	4.3 U
Trifluorotrichloroethane (CFC-113)	µg/kg	5.4 U	5.0 U	4.3 U
Vinyl chloride	µg/kg	5.4 U	5.0 U	4.3 U
Xylenes (total)	µg/kg	11 U	10 U	8.6 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	99 U	990 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	1500 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	1500 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	1500 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	1500 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	3300 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	2000 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	2000 U
2-Chloronaphthalene	µg/kg	51 U	50 U	500 U
2-Chlorophenol	µg/kg	51 U	50 U	500 U
2-Methylnaphthalene	µg/kg	6.8 U	6.6 U	66 U
2-Methylphenol	µg/kg	200 U	200 U	2000 U
2-Nitroaniline	µg/kg	200 U	200 U	2000 U
2-Nitrophenol	µg/kg	51 U	50 U	500 U
3&4-Methylphenol	µg/kg	410 U	400 U	4000 U
3,3'-Dichlorobenzidine	µg/kg	100 U	99 U	990 U
3-Nitroaniline	µg/kg	200 U	200 U	2000 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	1500 U
4-Bromophenyl phenyl ether	µg/kg	51 U	50 U	500 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	1500 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-6**	**SB-6**	**SB-6**
Sample ID:		**SO-11109615-SB6(1-1.5)-092315-MD-012**	**SO-11109615-SB6(6-6.5)-092315-MD-013**	**SO-11109615-SB6(12.5-13)-092315-MD-014**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	1500 U
4-Chlorophenyl phenyl ether	µg/kg	51 U	50 U	500 U
4-Nitroaniline	µg/kg	200 U	200 U	2000 U
4-Nitrophenol	µg/kg	330 U	330 U	3300 U
Acenaphthene	µg/kg	6.8 U	6.6 U	66 U
Acenaphthylene	µg/kg	6.8 U	6.6 U	66 U
Acetophenone	µg/kg	100 U	99 U	990 U
Anthracene	µg/kg	6.8 U	6.6 U	66 U
Atrazine	µg/kg	200 U	200 U	2000 U
Benzaldehyde	µg/kg	100 U	99 U	990 U
Benzo(a)anthracene	µg/kg	6.8 U	6.6 U	66 U
Benzo(a)pyrene	µg/kg	6.8 U	6.6 U	66 U
Benzo(b)fluoranthene	µg/kg	4.3 J	6.6 U	66 U
Benzo(g,h,i)perylene	µg/kg	6.8 U	6.6 U	66 U
Benzo(k)fluoranthene	µg/kg	6.8 U	6.6 U	66 U
Biphenyl (1,1-Biphenyl)	µg/kg	51 U	50 U	500 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	99 U	990 U
bis(2-Chloroethyl)ether	µg/kg	100 U	99 U	990 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	71 U	22 J	690 U
Butyl benzylphthalate (BBP)	µg/kg	71 U	70 U	690 U
Caprolactam	µg/kg	330 U	330 U	3300 U
Carbazole	µg/kg	51 U	50 U	500 U
Chrysene	µg/kg	6.8 U	6.6 U	66 U
Dibenz(a,h)anthracene	µg/kg	6.8 U	6.6 U	66 U
Dibenzofuran	µg/kg	51 U	50 U	500 U
Diethyl phthalate	µg/kg	71 U	70 U	690 U
Dimethyl phthalate	µg/kg	71 U	70 U	690 U
Di-n-butylphthalate (DBP)	µg/kg	71 U	70 U	690 U
Di-n-octyl phthalate (DnOP)	µg/kg	71 U	70 U	690 U
Fluoranthene	µg/kg	5.6 J	6.6 U	66 U
Fluorene	µg/kg	6.8 U	6.6 U	66 U
Hexachlorobenzene	µg/kg	6.8 U	6.6 U	66 U
Hexachlorobutadiene	µg/kg	51 U	50 U	500 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	3300 U
Hexachloroethane	µg/kg	51 U	50 U	500 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-6	SB-6	SB-6
	Sample ID:	SO-11109615-SB6(1-1.5)-092315-MD-012	SO-11109615-SB6(6-6.5)-092315-MD-013	SO-11109615-SB6(12.5-13)-092315-MD-014
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(1-1.5) ft. bgs.	(6-6.5) ft. bgs.	(12.5-13) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.8 U	6.6 U	66 U
Isophorone	µg/kg	51 U	50 U	500 U
Naphthalene	µg/kg	6.8 U	6.6 U	66 U
Nitrobenzene	µg/kg	100 U	99 U	990 U
N-Nitrosodi-n-propylamine	µg/kg	51 U	50 U	500 U
N-Nitrosodiphenylamine	µg/kg	51 U	50 U	500 U
Pentachlorophenol	µg/kg	150 U	150 U	1500 U
Phenanthrene	µg/kg	6.8 U	6.6 U	66 U
Phenol	µg/kg	51 U	50 U	500 U
Pyrene	µg/kg	5.3 J	6.6 U	66 U
Metals				
Aluminum	mg/kg	4600 J	2000 J	4400 J
Antimony	mg/kg	0.83 UJ	0.71 UJ	0.79 UJ
Arsenic	mg/kg	1.2	0.54 J	1.0
Barium	mg/kg	18 J	12 J	19 J
Beryllium	mg/kg	0.25 J	0.18 J	0.22 J
Cadmium	mg/kg	0.17 U	0.14 U	0.16 U
Calcium	mg/kg	2100 J	360 UJ	9100 J
Chromium	mg/kg	12 J	8.7 J	12 J
Cobalt	mg/kg	4.9	4.6	3.7 J
Copper	mg/kg	5.5	2.9	4.9
Iron	mg/kg	14000 J	6100 J	8000 J
Lead	mg/kg	3.9	2.3	2.6
Magnesium	mg/kg	640 J	280 J	820 J
Manganese	mg/kg	210 J	190 J	190 J
Mercury	mg/kg	0.11 U	0.095 U	0.092 U
Nickel	mg/kg	3.1 J	1.8 J	3.2
Potassium	mg/kg	370 J	360 UJ	290 J
Selenium	mg/kg	0.34 J	0.36 U	0.40 U
Silver	mg/kg	0.41 U	0.36 U	0.40 U
Sodium	mg/kg	410 U	360 U	400 U
Thallium	mg/kg	0.83 U	0.71 U	0.79 U
Vanadium	mg/kg	21 J	13 J	16 J
Zinc	mg/kg	12	8.0	11

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-6**	**SB-6**	**SB-6**
Sample ID:		**SO-11109615-SB6(1-1.5)-092315-MD-012**	**SO-11109615-SB6(6-6.5)-092315-MD-013**	**SO-11109615-SB6(12.5-13)-092315-MD-014**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(12.5-13) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-7**	**SB-7**	**SB-8**
Sample ID:		**SO-11109615-SB7(1-1.5)-092315-MD-015**	**SO-11109615-SB7(8-8.5)-092315-MD-016**	**SO-11109615-SB8(1-1.5)-092315-MD-017**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.0 U	4.9 U	4.5 U
1,1,2,2-Tetrachloroethane	µg/kg	4.0 U	4.9 U	4.5 U
1,1,2-Trichloroethane	µg/kg	4.0 U	4.9 U	4.5 U
1,1-Dichloroethane	µg/kg	4.0 U	4.9 U	4.5 U
1,1-Dichloroethene	µg/kg	4.0 U	4.9 U	4.5 U
1,2,4-Trichlorobenzene	µg/kg	4.0 U	4.9 U	4.5 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	8.0 U	9.9 U	8.9 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.0 U	4.9 U	4.5 U
1,2-Dichlorobenzene	µg/kg	4.0 U	4.9 U	4.5 U
1,2-Dichloroethane	µg/kg	4.0 U	4.9 U	4.5 U
1,2-Dichloropropane	µg/kg	4.0 U	4.9 U	4.5 U
1,3-Dichlorobenzene	µg/kg	4.0 U	4.9 U	4.5 U
1,4-Dichlorobenzene	µg/kg	4.0 U	4.9 U	4.5 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	16 U	20 U	3.2 J
2-Hexanone	µg/kg	16 U	20 U	18 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	16 U	20 U	18 U
Acetone	µg/kg	24	17 J	35
Benzene	µg/kg	4.0 U	4.9 U	4.5 U
Bromodichloromethane	µg/kg	4.0 U	4.9 U	4.5 U
Bromoform	µg/kg	4.0 U	4.9 U	4.5 U
Bromomethane (Methyl bromide)	µg/kg	4.0 U	4.9 U	4.5 U
Carbon disulfide	µg/kg	4.0 U	4.9 U	4.5 U
Carbon tetrachloride	µg/kg	4.0 U	4.9 U	4.5 U
Chlorobenzene	µg/kg	4.0 U	4.9 U	4.5 U
Chloroethane	µg/kg	4.0 U	4.9 U	4.5 U
Chloroform (Trichloromethane)	µg/kg	4.0 U	4.9 U	4.5 U
Chloromethane (Methyl chloride)	µg/kg	4.0 U	4.9 U	4.5 U
cis-1,2-Dichloroethene	µg/kg	4.0 U	4.9 U	4.5 U
cis-1,3-Dichloropropene	µg/kg	4.0 U	4.9 U	4.5 U
Cyclohexane	µg/kg	8.0 U	9.9 U	8.9 U
Dibromochloromethane	µg/kg	4.0 U	4.9 U	4.5 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.0 U	4.9 U	4.5 U
Ethylbenzene	µg/kg	4.0 U	2.7 J	4.5 U
Isopropyl benzene	µg/kg	4.0 U	4.9 U	4.5 U
Methyl acetate	µg/kg	8.0 U	9.9 U	8.9 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-7**	**SB-7**	**SB-8**
Sample ID:		**SO-11109615-SB7(1-1.5)-092315-MD-015**	**SO-11109615-SB7(8-8.5)-092315-MD-016**	**SO-11109615-SB8(1-1.5)-092315-MD-017**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	8.0 U	9.9 U	8.9 U
Methyl tert butyl ether (MTBE)	µg/kg	4.0 U	4.9 U	4.5 U
Methylene chloride	µg/kg	2.0 J	7.2	2.9 J
Styrene	µg/kg	4.0 U	4.9 U	4.5 U
Tetrachloroethene	µg/kg	4.0 U	4.9 U	4.5 U
Toluene	µg/kg	0.22 J	1.4 J	0.26 J
trans-1,2-Dichloroethene	µg/kg	4.0 U	4.9 U	4.5 U
trans-1,3-Dichloropropene	µg/kg	4.0 U	4.9 U	4.5 U
Trichloroethene	µg/kg	4.0 U	4.9 U	4.5 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.0 U	4.9 U	4.5 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.0 U	4.9 U	4.5 U
Vinyl chloride	µg/kg	4.0 U	4.9 U	4.5 U
Xylenes (total)	µg/kg	0.75 J	13	8.9 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	99 U	100 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U	50 U
2-Chlorophenol	µg/kg	50 U	50 U	50 U
2-Methylnaphthalene	µg/kg	6.6 U	6.6 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U	50 U
3&4-Methylphenol	µg/kg	400 U	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	99 U	100 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-7**	**SB-7**	**SB-8**
Sample ID:		**SO-11109615-SB7(1-1.5)-092315-MD-015**	**SO-11109615-SB7(8-8.5)-092315-MD-016**	**SO-11109615-SB8(1-1.5)-092315-MD-017**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.6 U	6.6 U	6.7 U
Acenaphthylene	µg/kg	6.6 U	6.6 U	6.7 U
Acetophenone	µg/kg	99 U	100 U	100 U
Anthracene	µg/kg	6.6 U	6.6 U	6.7 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	99 U	100 U	100 U
Benzo(a)anthracene	µg/kg	6.6 U	6.6 U	6.7 U
Benzo(a)pyrene	µg/kg	6.6 U	6.6 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.6 U	6.6 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.6 U	6.6 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.6 U	6.6 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	99 U	100 U	100 U
bis(2-Chloroethyl)ether	µg/kg	99 U	100 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	69 U	70 U	70 U
Butyl benzylphthalate (BBP)	µg/kg	69 U	70 U	70 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	50 U	50 U
Chrysene	µg/kg	6.6 U	6.6 U	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.6 U	6.6 U	6.7 U
Dibenzofuran	µg/kg	50 U	50 U	50 U
Diethyl phthalate	µg/kg	69 U	70 U	70 U
Dimethyl phthalate	µg/kg	69 U	70 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	69 U	20 J	28 J
Di-n-octyl phthalate (DnOP)	µg/kg	69 U	70 U	70 U
Fluoranthene	µg/kg	6.6 U	6.6 U	4.7 J
Fluorene	µg/kg	6.6 U	6.6 U	6.7 U
Hexachlorobenzene	µg/kg	6.6 U	6.6 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	50 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-7	SB-7	SB-8
	Sample ID:	SO-11109615-SB7(1-1.5)-092315-MD-015	SO-11109615-SB7(8-8.5)-092315-MD-016	SO-11109615-SB8(1-1.5)-092315-MD-017
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(1-1.5) ft. bgs.	(8-8.5) ft. bgs.	(1-1.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.6 U	6.6 U	6.7 U
Isophorone	µg/kg	50 U	50 U	50 U
Naphthalene	µg/kg	6.6 U	6.6 U	6.7 U
Nitrobenzene	µg/kg	99 U	100 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	50 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.6 U	6.6 U	6.7 U
Phenol	µg/kg	50 U	50 U	50 U
Pyrene	µg/kg	6.6 U	6.6 U	4.7 J
Metals				
Aluminum	mg/kg	16000 J	9500 J	5200 J
Antimony	mg/kg	0.81 UJ	0.92 UJ	0.80 UJ
Arsenic	mg/kg	2.6	2.0	1.4
Barium	mg/kg	50 J	14 J	27 J
Beryllium	mg/kg	0.47	0.41 J	0.15 J
Cadmium	mg/kg	0.16 U	0.18 U	0.16 U
Calcium	mg/kg	1700 J	3000 J	830 J
Chromium	mg/kg	14 J	13 J	11 J
Cobalt	mg/kg	6.3	2.5 J	2.1 J
Copper	mg/kg	7.0	9.9	4.9
Iron	mg/kg	16000 J	21000 J	8000 J
Lead	mg/kg	12	5.7	3.0
Magnesium	mg/kg	730 J	590 J	940 J
Manganese	mg/kg	260 J	110 J	100 J
Mercury	mg/kg	0.048 J	0.022 J	0.10 U
Nickel	mg/kg	7.4	3.8	2.3 J
Potassium	mg/kg	510 J	350 J	860 J
Selenium	mg/kg	0.41 U	0.43 J	0.40 U
Silver	mg/kg	0.41 U	0.46 U	0.40 U
Sodium	mg/kg	220 J	2100	1400
Thallium	mg/kg	0.81 U	0.92 U	0.80 U
Vanadium	mg/kg	39 J	33 J	17 J
Zinc	mg/kg	30	17	8.7

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-7**	**SB-7**	**SB-8**
Sample ID:		**SO-11109615-SB7(1-1.5)-092315-MD-015**	**SO-11109615-SB7(8-8.5)-092315-MD-016**	**SO-11109615-SB8(1-1.5)-092315-MD-017**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-8**	**SB-9**	**SB-9**
Sample ID:		**SO-11109615-SB8(8.5-9)-092315-MD-018**	**SO-11109615-SB9(1-1.5)-092315-MD-019**	**SO-11109615-SB9(8-8.5)-092315-MD-020**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	5.0 U	4.2 U	3.8 U
1,1,2,2-Tetrachloroethane	µg/kg	5.0 U	4.2 U	3.8 U
1,1,2-Trichloroethane	µg/kg	5.0 U	4.2 U	3.8 U
1,1-Dichloroethane	µg/kg	5.0 U	4.2 U	3.8 U
1,1-Dichloroethene	µg/kg	5.0 U	4.2 U	3.8 U
1,2,4-Trichlorobenzene	µg/kg	5.0 U	4.2 U	3.8 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	10 U	8.4 U	7.6 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	5.0 U	4.2 U	3.8 U
1,2-Dichlorobenzene	µg/kg	5.0 U	4.2 U	3.8 U
1,2-Dichloroethane	µg/kg	5.0 U	4.2 U	3.8 U
1,2-Dichloropropane	µg/kg	5.0 U	4.2 U	3.8 U
1,3-Dichlorobenzene	µg/kg	5.0 U	4.2 U	3.8 U
1,4-Dichlorobenzene	µg/kg	5.0 U	0.25 J	3.8 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	20 U	17 U	15 U
2-Hexanone	µg/kg	20 U	17 U	15 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	20 U	17 U	15 U
Acetone	µg/kg	20 U	17 U	4.5 J
Benzene	µg/kg	5.0 U	4.2 U	3.8 U
Bromodichloromethane	µg/kg	5.0 U	4.2 U	3.8 U
Bromoform	µg/kg	5.0 U	4.2 U	3.8 U
Bromomethane (Methyl bromide)	µg/kg	5.0 U	4.2 U	3.8 U
Carbon disulfide	µg/kg	5.0 U	4.2 U	3.8 U
Carbon tetrachloride	µg/kg	5.0 U	4.2 U	3.8 U
Chlorobenzene	µg/kg	5.0 U	4.2 U	3.8 U
Chloroethane	µg/kg	5.0 U	4.2 U	3.8 U
Chloroform (Trichloromethane)	µg/kg	5.0 U	4.2 U	3.8 U
Chloromethane (Methyl chloride)	µg/kg	5.0 U	4.2 U	3.8 U
cis-1,2-Dichloroethene	µg/kg	5.0 U	4.2 U	3.8 U
cis-1,3-Dichloropropene	µg/kg	5.0 U	4.2 U	3.8 U
Cyclohexane	µg/kg	10 U	8.4 U	7.6 U
Dibromochloromethane	µg/kg	5.0 U	4.2 U	3.8 U
Dichlorodifluoromethane (CFC-12)	µg/kg	5.0 U	4.2 U	3.8 U
Ethylbenzene	µg/kg	5.0 U	4.2 U	3.8 U
Isopropyl benzene	µg/kg	5.0 U	4.2 U	3.8 U
Methyl acetate	µg/kg	10 U	8.4 U	7.6 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-8**	**SB-9**	**SB-9**
Sample ID:		**SO-11109615-SB8(8.5-9)-092315-MD-018**	**SO-11109615-SB9(1-1.5)-092315-MD-019**	**SO-11109615-SB9(8-8.5)-092315-MD-020**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	10 U	8.4 U	7.6 U
Methyl tert butyl ether (MTBE)	µg/kg	5.0 U	4.2 U	3.8 U
Methylene chloride	µg/kg	3.4 J	1.7 J	3.8 U
Styrene	µg/kg	5.0 U	4.2 U	3.8 U
Tetrachloroethene	µg/kg	5.0 U	4.2 U	3.8 U
Toluene	µg/kg	5.0 U	4.2 U	3.8 U
trans-1,2-Dichloroethene	µg/kg	5.0 U	4.2 U	3.8 U
trans-1,3-Dichloropropene	µg/kg	5.0 U	4.2 U	3.8 U
Trichloroethene	µg/kg	5.0 U	4.2 U	3.8 U
Trichlorofluoromethane (CFC-11)	µg/kg	5.0 U	4.2 U	3.8 U
Trifluorotrichloroethane (CFC-113)	µg/kg	5.0 U	4.2 U	3.8 U
Vinyl chloride	µg/kg	5.0 U	4.2 U	3.8 U
Xylenes (total)	µg/kg	10 U	8.4 U	7.6 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	100 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U	51 U
2-Chlorophenol	µg/kg	50 U	50 U	51 U
2-Methylnaphthalene	µg/kg	6.6 U	6.7 U	6.8 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U	51 U
3&4-Methylphenol	µg/kg	400 U	400 U	410 U
3,3'-Dichlorobenzidine	µg/kg	100 U	100 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	51 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-8	SB-9	SB-9
	Sample ID:	SO-11109615-SB8(8.5-9)-092315-MD-018	SO-11109615-SB9(1-1.5)-092315-MD-019	SO-11109615-SB9(8-8.5)-092315-MD-020
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(8.5-9) ft. bgs.	(1-1.5) ft. bgs.	(8-8.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	51 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.6 U	6.7 U	6.8 U
Acenaphthylene	µg/kg	6.6 U	6.7 U	6.8 U
Acetophenone	µg/kg	100 U	100 U	100 U
Anthracene	µg/kg	6.6 U	6.7 U	6.8 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	100 U	100 U
Benzo(a)anthracene	µg/kg	6.6 U	6.7 U	6.8 U
Benzo(a)pyrene	µg/kg	6.6 U	6.7 U	6.8 U
Benzo(b)fluoranthene	µg/kg	6.6 U	6.7 U	6.8 U
Benzo(g,h,i)perylene	µg/kg	6.6 U	6.7 U	6.8 U
Benzo(k)fluoranthene	µg/kg	6.6 U	6.7 U	6.8 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	51 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	100 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	70 U	71 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	70 U	71 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	50 U	51 U
Chrysene	µg/kg	6.6 U	6.7 U	6.8 U
Dibenz(a,h)anthracene	µg/kg	6.6 U	6.7 U	6.8 U
Dibenzofuran	µg/kg	50 U	50 U	51 U
Diethyl phthalate	µg/kg	70 U	70 U	71 U
Dimethyl phthalate	µg/kg	70 U	70 U	71 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	28 J	71 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	70 U	71 U
Fluoranthene	µg/kg	6.6 U	6.7 U	6.8 U
Fluorene	µg/kg	6.6 U	6.7 U	6.8 U
Hexachlorobenzene	µg/kg	6.6 U	6.7 U	6.8 U
Hexachlorobutadiene	µg/kg	50 U	50 U	51 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U	51 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-8	SB-9	SB-9
	Sample ID:	SO-11109615-SB8(8.5-9)-092315-MD-018	SO-11109615-SB9(1-1.5)-092315-MD-019	SO-11109615-SB9(8-8.5)-092315-MD-020
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(8.5-9) ft. bgs.	(1-1.5) ft. bgs.	(8-8.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.6 U	6.7 U	6.8 U
Isophorone	µg/kg	50 U	50 U	51 U
Naphthalene	µg/kg	6.6 U	6.7 U	3.7 J
Nitrobenzene	µg/kg	100 U	100 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	51 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	51 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.6 U	6.7 U	6.8 U
Phenol	µg/kg	50 U	50 U	51 U
Pyrene	µg/kg	6.6 U	6.7 U	6.8 U
Metals				
Aluminum	mg/kg	12000	7000	13000
Antimony	mg/kg	1.0 UJ	0.95 UJ	0.91 UJ
Arsenic	mg/kg	2.3	1.2	2.3
Barium	mg/kg	20	20	22
Beryllium	mg/kg	0.38 J	0.34 J	0.40 J
Cadmium	mg/kg	0.20 U	0.19 U	0.18 U
Calcium	mg/kg	2300	1400	360 J
Chromium	mg/kg	18	11	17
Cobalt	mg/kg	1.8 J	6.2	1.9 J
Copper	mg/kg	8.9	11	8.6
Iron	mg/kg	23000	12000	24000
Lead	mg/kg	6.0	3.6	7.0
Magnesium	mg/kg	640	1900	460
Manganese	mg/kg	54	250	59
Mercury	mg/kg	0.015 J	0.11 U	0.036 J
Nickel	mg/kg	4.0	5.1	4.0
Potassium	mg/kg	470 J	480 J	450 J
Selenium	mg/kg	0.50 U	0.32 J	0.61
Silver	mg/kg	0.50 U	0.48 U	0.45 U
Sodium	mg/kg	130 J	22 J	24 J
Thallium	mg/kg	1.0 U	0.95 U	0.91 U
Vanadium	mg/kg	40	22	37
Zinc	mg/kg	18	25	17

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-8**	**SB-9**	**SB-9**
Sample ID:		**SO-11109615-SB8(8.5-9)-092315-MD-018**	**SO-11109615-SB9(1-1.5)-092315-MD-019**	**SO-11109615-SB9(8-8.5)-092315-MD-020**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-10**	**SB-10**	**SB-11**
Sample ID:		**SO-11109615-SB10(1-1.5)-092315-MD-021**	**SO-11109615-SB10(8-8.5)-092315-MD-022**	**SO-11109615-SB11(1.5-2)-092315-MD-023**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.5 U	4.8 U	230 U
1,1,2,2-Tetrachloroethane	µg/kg	4.5 U	4.8 U	230 U
1,1,2-Trichloroethane	µg/kg	4.5 U	4.8 U	230 U
1,1-Dichloroethane	µg/kg	4.5 U	4.8 U	230 U
1,1-Dichloroethene	µg/kg	4.5 U	4.8 U	230 U
1,2,4-Trichlorobenzene	µg/kg	4.5 U	4.8 U	230 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.1 U	9.7 U	450 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.5 U	4.8 U	230 U
1,2-Dichlorobenzene	µg/kg	4.5 U	4.8 U	230 U
1,2-Dichloroethane	µg/kg	4.5 U	4.8 U	230 U
1,2-Dichloropropane	µg/kg	4.5 U	4.8 U	230 U
1,3-Dichlorobenzene	µg/kg	4.5 U	4.8 U	230 U
1,4-Dichlorobenzene	µg/kg	0.40 J	4.8 U	230 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	4.9 J	19 U	910 U
2-Hexanone	µg/kg	18 U	19 U	910 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	18 U	19 U	910 U
Acetone	µg/kg	30 J	19 U	910 U
Benzene	µg/kg	4.5 U	4.8 U	230 U
Bromodichloromethane	µg/kg	4.5 U	4.8 U	230 U
Bromoform	µg/kg	4.5 U	4.8 U	230 U
Bromomethane (Methyl bromide)	µg/kg	4.5 U	4.8 U	230 U
Carbon disulfide	µg/kg	4.5 U	4.8 U	230 U
Carbon tetrachloride	µg/kg	4.5 U	4.8 U	230 U
Chlorobenzene	µg/kg	4.5 U	4.8 U	230 U
Chloroethane	µg/kg	4.5 U	4.8 U	230 U
Chloroform (Trichloromethane)	µg/kg	4.5 U	4.8 U	230 U
Chloromethane (Methyl chloride)	µg/kg	4.5 U	4.8 U	230 U
cis-1,2-Dichloroethene	µg/kg	4.5 U	4.8 U	230 U
cis-1,3-Dichloropropene	µg/kg	4.5 U	4.8 U	230 U
Cyclohexane	µg/kg	9.1 U	9.7 U	450 U
Dibromochloromethane	µg/kg	4.5 U	4.8 U	230 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.5 U	4.8 U	230 U
Ethylbenzene	µg/kg	4.5 U	4.8 U	230 U
Isopropyl benzene	µg/kg	0.31 J	4.8 U	230 U
Methyl acetate	µg/kg	9.1 U	9.7 U	1400

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-10**	**SB-10**	**SB-11**
Sample ID:		**SO-11109615-SB10(1-1.5)-092315-MD-021**	**SO-11109615-SB10(8-8.5)-092315-MD-022**	**SO-11109615-SB11(1.5-2)-092315-MD-023**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.1 U	9.7 U	450 U
Methyl tert butyl ether (MTBE)	µg/kg	4.5 U	4.8 U	230 U
Methylene chloride	µg/kg	4.5 U	2.3 J	170 J
Styrene	µg/kg	4.5 U	4.8 U	230 U
Tetrachloroethene	µg/kg	4.5 U	4.8 U	230 U
Toluene	µg/kg	0.34 J	4.8 U	230 U
trans-1,2-Dichloroethene	µg/kg	4.5 U	4.8 U	230 U
trans-1,3-Dichloropropene	µg/kg	4.5 U	4.8 U	230 U
Trichloroethene	µg/kg	4.5 U	4.8 U	230 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.5 U	4.8 U	230 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.5 U	4.8 U	230 U
Vinyl chloride	µg/kg	4.5 U	4.8 U	230 U
Xylenes (total)	µg/kg	9.1 U	9.7 U	450 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	990 U	100 U	500 U
2,4,5-Trichlorophenol	µg/kg	1500 U	150 U	750 U
2,4,6-Trichlorophenol	µg/kg	1500 U	150 U	750 U
2,4-Dichlorophenol	µg/kg	1500 U	150 U	750 U
2,4-Dimethylphenol	µg/kg	1500 U	150 U	750 U
2,4-Dinitrophenol	µg/kg	3300 U	330 U	1700 U
2,4-Dinitrotoluene	µg/kg	2000 U	200 U	1000 U
2,6-Dinitrotoluene	µg/kg	2000 U	200 U	1000 U
2-Chloronaphthalene	µg/kg	490 U	50 U	250 U
2-Chlorophenol	µg/kg	490 U	50 U	250 U
2-Methylnaphthalene	µg/kg	66 U	6.7 U	30 J
2-Methylphenol	µg/kg	2000 U	200 U	1000 U
2-Nitroaniline	µg/kg	2000 U	200 U	1000 U
2-Nitrophenol	µg/kg	490 U	50 U	250 U
3&4-Methylphenol	µg/kg	3900 U	400 U	2000 U
3,3'-Dichlorobenzidine	µg/kg	990 U	100 U	500 U
3-Nitroaniline	µg/kg	2000 U	200 U	1000 U
4,6-Dinitro-2-methylphenol	µg/kg	1500 U	150 U	750 U
4-Bromophenyl phenyl ether	µg/kg	490 U	50 U	250 U
4-Chloro-3-methylphenol	µg/kg	1500 U	150 U	750 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-10**	**SB-10**	**SB-11**
Sample ID:		**SO-11109615-SB10(1-1.5)-092315-MD-021**	**SO-11109615-SB10(8-8.5)-092315-MD-022**	**SO-11109615-SB11(1.5-2)-092315-MD-023**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	1500 U	150 U	750 U
4-Chlorophenyl phenyl ether	µg/kg	490 U	50 U	250 U
4-Nitroaniline	µg/kg	2000 U	200 U	1000 U
4-Nitrophenol	µg/kg	3300 U	330 U	1700 U
Acenaphthene	µg/kg	66 U	6.7 U	33 U
Acenaphthylene	µg/kg	66 U	6.7 U	34
Acetophenone	µg/kg	990 U	100 U	500 U
Anthracene	µg/kg	66 U	6.7 U	33 U
Atrazine	µg/kg	2000 U	200 U	1000 U
Benzaldehyde	µg/kg	990 U	100 U	500 U
Benzo(a)anthracene	µg/kg	66 U	6.7 U	33 U
Benzo(a)pyrene	µg/kg	66 U	6.7 U	33 U
Benzo(b)fluoranthene	µg/kg	66 U	6.7 U	33 U
Benzo(g,h,i)perylene	µg/kg	66 U	6.7 U	33 U
Benzo(k)fluoranthene	µg/kg	66 U	6.7 U	33 U
Biphenyl (1,1-Biphenyl)	µg/kg	490 U	50 U	250 U
bis(2-Chloroethoxy)methane	µg/kg	990 U	100 U	500 U
bis(2-Chloroethyl)ether	µg/kg	990 U	100 U	500 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	690 U	70 U	350 U
Butyl benzylphthalate (BBP)	µg/kg	690 U	70 U	350 U
Caprolactam	µg/kg	3300 U	330 U	1700 U
Carbazole	µg/kg	490 U	50 U	250 U
Chrysene	µg/kg	66 U	6.7 U	33 U
Dibenz(a,h)anthracene	µg/kg	66 U	6.7 U	33 U
Dibenzofuran	µg/kg	490 U	50 U	91 J
Diethyl phthalate	µg/kg	690 U	70 U	350 U
Dimethyl phthalate	µg/kg	690 U	70 U	350 U
Di-n-butylphthalate (DBP)	µg/kg	690 U	17 J	350 U
Di-n-octyl phthalate (DnOP)	µg/kg	690 U	70 U	350 U
Fluoranthene	µg/kg	66 U	6.7 U	37
Fluorene	µg/kg	66 U	6.7 U	240
Hexachlorobenzene	µg/kg	66 U	6.7 U	33 U
Hexachlorobutadiene	µg/kg	490 U	50 U	250 U
Hexachlorocyclopentadiene	µg/kg	3300 U	330 U	1700 U
Hexachloroethane	µg/kg	490 U	50 U	250 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-10	SB-10	SB-11
	Sample ID:	SO-11109615-SB10(1-1.5)-092315-MD-021	SO-11109615-SB10(8-8.5)-092315-MD-022	SO-11109615-SB11(1.5-2)-092315-MD-023
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(1-1.5) ft. bgs.	(8-8.5) ft. bgs.	(1.5-2) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	66 U	6.7 U	33 U
Isophorone	µg/kg	490 U	50 U	250 U
Naphthalene	µg/kg	66 U	6.7 U	33 U
Nitrobenzene	µg/kg	990 U	100 U	500 U
N-Nitrosodi-n-propylamine	µg/kg	490 U	50 U	250 U
N-Nitrosodiphenylamine	µg/kg	490 U	50 U	250 U
Pentachlorophenol	µg/kg	1500 U	150 U	750 U
Phenanthrene	µg/kg	66 U	6.7 U	540
Phenol	µg/kg	490 U	50 U	250 U
Pyrene	µg/kg	66 U	6.7 U	120
Metals				
Aluminum	mg/kg	9300	15000	6300
Antimony	mg/kg	0.84 UJ	0.87 UJ	0.81 UJ
Arsenic	mg/kg	2.0	3.5	1.6
Barium	mg/kg	21	20	23
Beryllium	mg/kg	0.36 J	0.59	0.29 J
Cadmium	mg/kg	0.17 U	0.17 U	0.16 U
Calcium	mg/kg	910	1000	3300
Chromium	mg/kg	13	21	17
Cobalt	mg/kg	4.4	1.6 J	4.8
Copper	mg/kg	9.7	12	25
Iron	mg/kg	29000	34000	13000
Lead	mg/kg	5.0	7.4	6.5
Magnesium	mg/kg	930	460	3400
Manganese	mg/kg	200	41	220
Mercury	mg/kg	0.016 J	0.035 J	0.11 U
Nickel	mg/kg	3.3 J	3.5	10
Potassium	mg/kg	400 J	370 J	1300 J
Selenium	mg/kg	0.45	0.91	0.33 J
Silver	mg/kg	0.42 U	0.43 U	0.41 U
Sodium	mg/kg	45 J	430 U	76 J
Thallium	mg/kg	0.84 U	0.87 U	0.81 U
Vanadium	mg/kg	31	46	23
Zinc	mg/kg	19	18	31

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-10	SB-10	SB-11
	Sample ID:	SO-11109615-SB10(1-1.5)-092315-MD-021	SO-11109615-SB10(8-8.5)-092315-MD-022	SO-11109615-SB11(1.5-2)-092315-MD-023
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(1-1.5) ft. bgs.	(8-8.5) ft. bgs.	(1.5-2) ft. bgs.
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	14 J
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-11**	**SB-12**	**SB-12**
Sample ID:		**SO-11109615-SB11(8-8.5)-092315-MD-024**	**SO-11109615-SB12(1-1.5)-092315-MD-025**	**SO-11109615-SB12(8-8.5)-092315-MD-026**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.7 U	4.1 U	4.1 U
1,1,2,2-Tetrachloroethane	µg/kg	4.7 U	4.1 U	4.1 U
1,1,2-Trichloroethane	µg/kg	4.7 U	4.1 U	4.1 U
1,1-Dichloroethane	µg/kg	4.7 U	4.1 U	4.1 U
1,1-Dichloroethene	µg/kg	4.7 U	4.1 U	4.1 U
1,2,4-Trichlorobenzene	µg/kg	4.7 U	4.1 U	4.1 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.5 U	8.2 U	8.3 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.7 U	4.1 U	4.1 U
1,2-Dichlorobenzene	µg/kg	4.7 U	4.1 U	4.1 U
1,2-Dichloroethane	µg/kg	4.7 U	4.1 U	4.1 U
1,2-Dichloropropane	µg/kg	4.7 U	4.1 U	4.1 U
1,3-Dichlorobenzene	µg/kg	4.7 U	4.1 U	4.1 U
1,4-Dichlorobenzene	µg/kg	4.7 U	4.1 U	4.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	19 U	7.0 J	17 U
2-Hexanone	µg/kg	19 U	16 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	19 U	16 U	17 U
Acetone	µg/kg	27	41 J	17 U
Benzene	µg/kg	4.7 U	4.1 U	4.1 U
Bromodichloromethane	µg/kg	4.7 U	4.1 U	4.1 U
Bromoform	µg/kg	4.7 U	4.1 U	4.1 U
Bromomethane (Methyl bromide)	µg/kg	4.7 U	4.1 U	4.1 U
Carbon disulfide	µg/kg	4.7 U	4.1 U	4.1 U
Carbon tetrachloride	µg/kg	4.7 U	4.1 U	4.1 U
Chlorobenzene	µg/kg	4.7 U	4.1 U	4.1 U
Chloroethane	µg/kg	4.7 U	4.1 U	4.1 U
Chloroform (Trichloromethane)	µg/kg	4.7 U	4.1 U	4.1 U
Chloromethane (Methyl chloride)	µg/kg	4.7 U	4.1 U	4.1 U
cis-1,2-Dichloroethene	µg/kg	4.7 U	4.1 U	4.1 U
cis-1,3-Dichloropropene	µg/kg	4.7 U	4.1 U	4.1 U
Cyclohexane	µg/kg	9.5 U	8.2 U	8.3 U
Dibromochloromethane	µg/kg	4.7 U	4.1 U	4.1 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.7 U	4.1 U	4.1 U
Ethylbenzene	µg/kg	4.7 U	4.1 U	4.1 U
Isopropyl benzene	µg/kg	4.7 U	4.1 U	4.1 U
Methyl acetate	µg/kg	9.5 U	8.2 U	8.3 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-11**	**SB-12**	**SB-12**
Sample ID:		**SO-11109615-SB11(8-8.5)-092315-MD-024**	**SO-11109615-SB12(1-1.5)-092315-MD-025**	**SO-11109615-SB12(8-8.5)-092315-MD-026**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.5 U	8.2 U	8.3 U
Methyl tert butyl ether (MTBE)	µg/kg	4.7 U	4.1 U	4.1 U
Methylene chloride	µg/kg	7.1	4.1 U	11 J
Styrene	µg/kg	4.7 U	4.1 U	4.1 U
Tetrachloroethene	µg/kg	4.7 U	4.1 U	4.1 U
Toluene	µg/kg	4.7 U	4.1 U	4.1 U
trans-1,2-Dichloroethene	µg/kg	4.7 U	4.1 U	4.1 U
trans-1,3-Dichloropropene	µg/kg	4.7 U	4.1 U	4.1 U
Trichloroethene	µg/kg	4.7 U	4.1 U	4.1 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.7 U	4.1 U	4.1 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.7 U	4.1 U	4.1 U
Vinyl chloride	µg/kg	4.7 U	4.1 U	4.1 U
Xylenes (total)	µg/kg	9.5 U	8.2 U	8.3 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	100 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U	50 U
2-Chlorophenol	µg/kg	50 U	50 U	50 U
2-Methylnaphthalene	µg/kg	6.7 U	6.6 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U	50 U
3&4-Methylphenol	µg/kg	400 U	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	100 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-11**	**SB-12**	**SB-12**
Sample ID:		**SO-11109615-SB11(8-8.5)-092315-MD-024**	**SO-11109615-SB12(1-1.5)-092315-MD-025**	**SO-11109615-SB12(8-8.5)-092315-MD-026**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.6 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	6.6 U	6.7 U
Acetophenone	µg/kg	100 U	100 U	100 U
Anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	100 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	100 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	100 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	71 U	70 U	70 U
Butyl benzylphthalate (BBP)	µg/kg	71 U	70 U	70 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	50 U	50 U
Chrysene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenzofuran	µg/kg	50 U	50 U	50 U
Diethyl phthalate	µg/kg	71 U	70 U	70 U
Dimethyl phthalate	µg/kg	71 U	70 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	71 U	31 J	70 U
Di-n-octyl phthalate (DnOP)	µg/kg	71 U	70 U	70 U
Fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Fluorene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	50 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-11	SB-12	SB-12
	Sample ID:	SO-11109615-SB11(8-8.5)-092315-MD-024	SO-11109615-SB12(1-1.5)-092315-MD-025	SO-11109615-SB12(8-8.5)-092315-MD-026
	Sample Date:	9/23/2015	9/23/2015	9/23/2015
	Sample Depth:	(8-8.5) ft. bgs.	(1-1.5) ft. bgs.	(8-8.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Isophorone	µg/kg	50 U	50 U	50 U
Naphthalene	µg/kg	6.7 U	6.6 U	6.7 U
Nitrobenzene	µg/kg	100 U	100 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	50 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.6 U	6.7 U
Phenol	µg/kg	50 U	50 U	50 U
Pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Metals				
Aluminum	mg/kg	8500	18000	11000
Antimony	mg/kg	0.94 UJ	0.82 UJ	0.93 UJ
Arsenic	mg/kg	1.6	2.3	1.5
Barium	mg/kg	33	37	39
Beryllium	mg/kg	0.22 J	0.60	0.26 J
Cadmium	mg/kg	0.19 U	0.16 U	0.19 U
Calcium	mg/kg	3700	1600	1300
Chromium	mg/kg	12	15	16
Cobalt	mg/kg	0.82 J	5.2	0.85 J
Copper	mg/kg	5.6	12	6.9
Iron	mg/kg	3600	23000	3900
Lead	mg/kg	4.0	8.5	6.4
Magnesium	mg/kg	490	1000	450 J
Manganese	mg/kg	46	180	28
Mercury	mg/kg	0.022 J	0.036 J	0.044 J
Nickel	mg/kg	2.9 J	6.8	3.3 J
Potassium	mg/kg	360 J	790 J	300 J
Selenium	mg/kg	0.47 U	0.44	0.39 J
Silver	mg/kg	0.47 U	0.41 U	0.46 U
Sodium	mg/kg	28 J	35 J	18 J
Thallium	mg/kg	0.94 U	0.82 U	0.93 U
Vanadium	mg/kg	30	56	35
Zinc	mg/kg	8.3	31	10

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-11**	**SB-12**	**SB-12**
Sample ID:		**SO-11109615-SB11(8-8.5)-092315-MD-024**	**SO-11109615-SB12(1-1.5)-092315-MD-025**	**SO-11109615-SB12(8-8.5)-092315-MD-026**
Sample Date:		**9/23/2015**	**9/23/2015**	**9/23/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1-1.5) ft. bgs.**	**(8-8.5) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-13**	**SB-13**	**SB-13**
Sample ID:		**SO-11109615-SB13(2-2.5)-092415-MD-030**	**SO-11109615-SB13(6-6.5)-092415-MD-031**	**SO-11109615-SB13(14.5-15)-092415-MD-032**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(14.5-15) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	5.0 U	4.0 U	4.4 U
1,1,2,2-Tetrachloroethane	µg/kg	5.0 U	4.0 U	4.4 U
1,1,2-Trichloroethane	µg/kg	5.0 U	4.0 U	4.4 U
1,1-Dichloroethane	µg/kg	5.0 U	4.0 U	4.4 U
1,1-Dichloroethene	µg/kg	5.0 U	4.0 U	4.4 U
1,2,4-Trichlorobenzene	µg/kg	5.0 U	4.0 U	4.4 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	10 U	8.0 U	8.8 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	5.0 U	4.0 U	4.4 U
1,2-Dichlorobenzene	µg/kg	5.0 U	4.0 U	4.4 U
1,2-Dichloroethane	µg/kg	5.0 U	4.0 U	4.4 U
1,2-Dichloropropane	µg/kg	5.0 U	4.0 U	4.4 U
1,3-Dichlorobenzene	µg/kg	5.0 U	4.0 U	4.4 U
1,4-Dichlorobenzene	µg/kg	0.39 J	0.25 J	0.40 J
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	17 J	0.90 J	18 U
2-Hexanone	µg/kg	2.9 J	16 U	18 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	2.5 J	16 U	18 U
Acetone	µg/kg	120	16 U	18 U
Benzene	µg/kg	5.0 U	4.0 U	4.4 U
Bromodichloromethane	µg/kg	5.0 U	4.0 U	4.4 U
Bromoform	µg/kg	5.0 U	4.0 U	4.4 U
Bromomethane (Methyl bromide)	µg/kg	5.0 U	4.0 U	4.4 U
Carbon disulfide	µg/kg	0.91 J	4.0 U	4.4 U
Carbon tetrachloride	µg/kg	5.0 U	4.0 U	4.4 U
Chlorobenzene	µg/kg	5.0 U	4.0 U	4.4 U
Chloroethane	µg/kg	5.0 U	4.0 U	4.4 U
Chloroform (Trichloromethane)	µg/kg	5.0 U	4.0 U	4.4 U
Chloromethane (Methyl chloride)	µg/kg	5.0 U	4.0 U	4.4 U
cis-1,2-Dichloroethene	µg/kg	5.0 U	4.0 U	4.4 U
cis-1,3-Dichloropropene	µg/kg	5.0 U	4.0 U	4.4 U
Cyclohexane	µg/kg	10 U	8.0 U	8.8 U
Dibromochloromethane	µg/kg	5.0 U	4.0 U	4.4 U
Dichlorodifluoromethane (CFC-12)	µg/kg	5.0 U	4.0 U	4.4 U
Ethylbenzene	µg/kg	5.0 U	4.0 U	4.4 U
Isopropyl benzene	µg/kg	5.0 U	4.0 U	4.4 U
Methyl acetate	µg/kg	10 U	8.0 U	8.8 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-13**	**SB-13**	**SB-13**
Sample ID:		**SO-11109615-SB13(2-2.5)-092415-MD-030**	**SO-11109615-SB13(6-6.5)-092415-MD-031**	**SO-11109615-SB13(14.5-15)-092415-MD-032**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(14.5-15) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	10 U	8.0 U	8.8 U
Methyl tert butyl ether (MTBE)	µg/kg	5.0 U	4.0 U	4.4 U
Methylene chloride	µg/kg	5.2 U	4.0 U	4.4 U
Styrene	µg/kg	5.0 U	4.0 U	4.4 U
Tetrachloroethene	µg/kg	5.0 U	4.0 U	4.4 U
Toluene	µg/kg	5.0 U	4.0 U	4.4 U
trans-1,2-Dichloroethene	µg/kg	5.0 U	4.0 U	4.4 U
trans-1,3-Dichloropropene	µg/kg	5.0 U	4.0 U	4.4 U
Trichloroethene	µg/kg	5.0 U	4.0 U	4.4 U
Trichlorofluoromethane (CFC-11)	µg/kg	5.0 U	4.0 U	4.4 U
Trifluorotrichloroethane (CFC-113)	µg/kg	5.0 U	4.0 U	4.4 U
Vinyl chloride	µg/kg	5.0 U	4.0 U	4.4 U
Xylenes (total)	µg/kg	10 U	8.0 U	8.8 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	99 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U	51 U
2-Chlorophenol	µg/kg	50 U	50 U	51 U
2-Methylnaphthalene	µg/kg	6.7 U	6.6 U	6.8 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U	51 U
3&4-Methylphenol	µg/kg	79 J	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	99 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	51 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-13	SB-13	SB-13
	Sample ID:	SO-11109615-SB13(2-2.5)-092415-MD-030	SO-11109615-SB13(6-6.5)-092415-MD-031	SO-11109615-SB13(14.5-15)-092415-MD-032
	Sample Date:	9/24/2015	9/24/2015	9/24/2015
	Sample Depth:	(2-2.5) ft. bgs.	(6-6.5) ft. bgs.	(14.5-15) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	51 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.6 U	6.8 U
Acenaphthylene	µg/kg	6.7 U	6.6 U	6.8 U
Acetophenone	µg/kg	100 U	99 U	100 U
Anthracene	µg/kg	5.0 J	6.6 U	6.8 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	99 U	100 U
Benzo(a)anthracene	µg/kg	7.0	6.6 U	6.8 U
Benzo(a)pyrene	µg/kg	8.9	6.6 U	6.8 U
Benzo(b)fluoranthene	µg/kg	15	6.6 U	6.8 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.6 U	6.8 U
Benzo(k)fluoranthene	µg/kg	6.7	6.6 U	6.8 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	51 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	99 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	99 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	69 U	71 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	69 U	71 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	50 U	51 U
Chrysene	µg/kg	9.3	6.6 U	6.8 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.6 U	6.8 U
Dibenzofuran	µg/kg	50 U	50 U	51 U
Diethyl phthalate	µg/kg	70 U	69 U	71 U
Dimethyl phthalate	µg/kg	70 U	69 U	71 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	69 U	71 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	69 U	71 U
Fluoranthene	µg/kg	27	6.6 U	6.8 U
Fluorene	µg/kg	3.9 J	6.6 U	6.8 U
Hexachlorobenzene	µg/kg	6.7 U	6.6 U	6.8 U
Hexachlorobutadiene	µg/kg	50 U	50 U	51 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U	51 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-13	SB-13	SB-13
	Sample ID:	SO-11109615-SB13(2-2.5)-092415-MD-030	SO-11109615-SB13(6-6.5)-092415-MD-031	SO-11109615-SB13(14.5-15)-092415-MD-032
	Sample Date:	9/24/2015	9/24/2015	9/24/2015
	Sample Depth:	(2-2.5) ft. bgs.	(6-6.5) ft. bgs.	(14.5-15) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.6 U	6.8 U
Isophorone	µg/kg	50 U	50 U	51 U
Naphthalene	µg/kg	6.7 U	6.6 U	6.8 U
Nitrobenzene	µg/kg	100 U	99 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	51 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	51 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	23	6.6 U	6.8 U
Phenol	µg/kg	50 U	50 U	51 U
Pyrene	µg/kg	24	6.6 U	6.8 U
Metals				
Aluminum	mg/kg	7000	15000	5500
Antimony	mg/kg	0.92 U	0.81 UJ	0.78 UJ
Arsenic	mg/kg	1.3	1.0	0.51 J
Barium	mg/kg	55	34	9.9 J
Beryllium	mg/kg	0.38 J	0.16 J	0.20 J
Cadmium	mg/kg	0.18 U	0.16 U	0.16 U
Calcium	mg/kg	1200	770	220 J
Chromium	mg/kg	11	15	8.0
Cobalt	mg/kg	3.5 J	0.83 J	0.61 J
Copper	mg/kg	7.3	3.9	3.6
Iron	mg/kg	8300	3700 J	1900 J
Lead	mg/kg	5.7	7.6	2.0
Magnesium	mg/kg	1600	410	200 J
Manganese	mg/kg	240	11	11
Mercury	mg/kg	0.024 J	0.074 J	0.095 U
Nickel	mg/kg	6.1	3.5	1.8 J
Potassium	mg/kg	760	350 J	190 J
Selenium	mg/kg	0.46 U	0.41 U	0.39 U
Silver	mg/kg	0.46 U	0.41 U	0.39 U
Sodium	mg/kg	840	37 J	18 J
Thallium	mg/kg	0.92 U	0.81 U	0.78 U
Vanadium	mg/kg	19	28	9.3
Zinc	mg/kg	23	13	7.4

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-13**	**SB-13**	**SB-13**
Sample ID:		**SO-11109615-SB13(2-2.5)-092415-MD-030**	**SO-11109615-SB13(6-6.5)-092415-MD-031**	**SO-11109615-SB13(14.5-15)-092415-MD-032**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(6-6.5) ft. bgs.**	**(14.5-15) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-14**	**SB-14**	**SB-15**
Sample ID:		**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(3.5-4) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.5 U	4.5 U	4.1 U
1,1,2,2-Tetrachloroethane	µg/kg	4.5 U	4.5 U	4.1 U
1,1,2-Trichloroethane	µg/kg	4.5 U	4.5 U	4.1 U
1,1-Dichloroethane	µg/kg	4.5 U	4.5 U	4.1 U
1,1-Dichloroethene	µg/kg	4.5 U	4.5 U	4.1 U
1,2,4-Trichlorobenzene	µg/kg	4.5 U	4.5 U	4.1 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.1 U	9.1 U	8.2 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.5 U	4.5 U	4.1 U
1,2-Dichlorobenzene	µg/kg	4.5 U	4.5 U	4.1 U
1,2-Dichloroethane	µg/kg	4.5 U	4.5 U	4.1 U
1,2-Dichloropropane	µg/kg	4.5 U	4.5 U	4.1 U
1,3-Dichlorobenzene	µg/kg	4.5 U	4.5 U	4.1 U
1,4-Dichlorobenzene	µg/kg	4.5 U	4.5 U	4.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	1.9 J	18 U	4.4 J
2-Hexanone	µg/kg	18 U	18 U	16 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	18 U	18 U	16 U
Acetone	µg/kg	59	18 U	150
Benzene	µg/kg	4.5 U	4.5 U	4.1 U
Bromodichloromethane	µg/kg	4.5 U	4.5 U	4.1 U
Bromoform	µg/kg	4.5 U	4.5 U	4.1 U
Bromomethane (Methyl bromide)	µg/kg	4.5 U	4.5 U	4.1 U
Carbon disulfide	µg/kg	4.5 U	4.5 U	4.1 U
Carbon tetrachloride	µg/kg	4.5 U	4.5 U	4.1 U
Chlorobenzene	µg/kg	4.5 U	4.5 U	4.1 U
Chloroethane	µg/kg	4.5 U	4.5 U	4.1 U
Chloroform (Trichloromethane)	µg/kg	4.5 U	4.5 U	4.1 U
Chloromethane (Methyl chloride)	µg/kg	4.5 U	4.5 U	4.1 U
cis-1,2-Dichloroethene	µg/kg	4.5 U	4.5 U	4.1 U
cis-1,3-Dichloropropene	µg/kg	4.5 U	4.5 U	4.1 U
Cyclohexane	µg/kg	9.1 U	9.1 U	8.2 U
Dibromochloromethane	µg/kg	4.5 U	4.5 U	4.1 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.5 U	4.5 U	4.1 U
Ethylbenzene	µg/kg	4.5 U	4.5 U	4.1 U
Isopropyl benzene	µg/kg	4.5 U	4.5 U	4.1 U
Methyl acetate	µg/kg	9.1 U	9.1 U	8.2 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-14**	**SB-14**	**SB-15**
Sample ID:		**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(3.5-4) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.1 U	9.1 U	8.2 U
Methyl tert butyl ether (MTBE)	µg/kg	4.5 U	4.5 U	4.1 U
Methylene chloride	µg/kg	13 J	5.0	4.1 U
Styrene	µg/kg	4.5 U	4.5 U	4.1 U
Tetrachloroethene	µg/kg	4.5 U	4.5 U	4.1 U
Toluene	µg/kg	4.5 U	4.5 U	4.1 U
trans-1,2-Dichloroethene	µg/kg	4.5 U	4.5 U	4.1 U
trans-1,3-Dichloropropene	µg/kg	4.5 U	4.5 U	4.1 U
Trichloroethene	µg/kg	4.5 U	4.5 U	4.1 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.5 U	4.5 U	4.1 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.5 U	4.5 U	4.1 U
Vinyl chloride	µg/kg	4.5 U	4.5 U	4.1 U
Xylenes (total)	µg/kg	9.1 U	9.1 U	0.46 J
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	99 U	99 U	1000 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	1500 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	1500 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	1500 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	1500 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	3300 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	2000 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	2000 U
2-Chloronaphthalene	µg/kg	50 U	50 U	500 U
2-Chlorophenol	µg/kg	50 U	50 U	500 U
2-Methylnaphthalene	µg/kg	6.6 U	6.6 U	67 U
2-Methylphenol	µg/kg	200 U	200 U	2000 U
2-Nitroaniline	µg/kg	200 U	200 U	2000 U
2-Nitrophenol	µg/kg	50 U	50 U	500 U
3&4-Methylphenol	µg/kg	400 U	400 U	4000 U
3,3'-Dichlorobenzidine	µg/kg	99 U	99 U	1000 U
3-Nitroaniline	µg/kg	200 U	200 U	2000 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	1500 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U	500 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	1500 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-14**	**SB-14**	**SB-15**
Sample ID:		**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(3.5-4) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	1500 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U	500 U
4-Nitroaniline	µg/kg	200 U	200 U	2000 U
4-Nitrophenol	µg/kg	330 U	330 U	3300 U
Acenaphthene	µg/kg	6.6 U	6.6 U	67 U
Acenaphthylene	µg/kg	6.6 U	6.6 U	67 U
Acetophenone	µg/kg	99 U	99 U	1000 U
Anthracene	µg/kg	6.6 U	6.6 U	67 U
Atrazine	µg/kg	200 U	200 U	2000 U
Benzaldehyde	µg/kg	99 U	99 U	1000 U
Benzo(a)anthracene	µg/kg	4.7 J	6.6 U	67 U
Benzo(a)pyrene	µg/kg	5.5 J	6.6 U	67 U
Benzo(b)fluoranthene	µg/kg	8.4	6.6 U	67 U
Benzo(g,h,i)perylene	µg/kg	6.6 U	6.6 U	67 U
Benzo(k)fluoranthene	µg/kg	4.0 J	6.6 U	67 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U	500 U
bis(2-Chloroethoxy)methane	µg/kg	99 U	99 U	1000 U
bis(2-Chloroethyl)ether	µg/kg	99 U	99 U	1000 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	69 U	700 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	69 U	700 U
Caprolactam	µg/kg	330 U	330 U	3300 U
Carbazole	µg/kg	50 U	50 U	500 U
Chrysene	µg/kg	6.1 J	6.6 U	67 U
Dibenz(a,h)anthracene	µg/kg	6.6 U	6.6 U	67 U
Dibenzofuran	µg/kg	50 U	50 U	500 U
Diethyl phthalate	µg/kg	70 U	69 U	700 U
Dimethyl phthalate	µg/kg	70 U	69 U	700 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	69 U	700 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	69 U	700 U
Fluoranthene	µg/kg	9.0	6.6 U	67 U
Fluorene	µg/kg	6.6 U	6.6 U	67 U
Hexachlorobenzene	µg/kg	6.6 U	6.6 U	67 U
Hexachlorobutadiene	µg/kg	50 U	50 U	500 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	3300 U
Hexachloroethane	µg/kg	50 U	50 U	500 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-14**	**SB-14**	**SB-15**
Sample ID:		**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(3.5-4) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.6 U	6.6 U	67 U
Isophorone	µg/kg	50 U	50 U	500 U
Naphthalene	µg/kg	6.6 U	6.6 U	67 U
Nitrobenzene	µg/kg	99 U	99 U	1000 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U	500 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U	500 U
Pentachlorophenol	µg/kg	150 U	150 U	1500 U
Phenanthrene	µg/kg	4.3 J	6.6 U	67 U
Phenol	µg/kg	50 U	50 U	500 U
Pyrene	µg/kg	8.5	6.6 U	67 U
Metals				
Aluminum	mg/kg	12000	14000	6500
Antimony	mg/kg	0.67 UJ	0.94 UJ	0.81 U
Arsenic	mg/kg	2.1	1.4	1.2
Barium	mg/kg	61	25	61
Beryllium	mg/kg	0.34	0.24 J	0.46
Cadmium	mg/kg	0.036 J	0.023 J	0.16 U
Calcium	mg/kg	3300	390 J	890
Chromium	mg/kg	14	16	9.6
Cobalt	mg/kg	6.3	1.3 J	2.8 J
Copper	mg/kg	11	7.7	4.6
Iron	mg/kg	13000 J	4100 J	6000
Lead	mg/kg	5.7	8.1	4.5
Magnesium	mg/kg	1800	670	1100
Manganese	mg/kg	220	22	180
Mercury	mg/kg	0.029 J	0.033 J	0.10 U
Nickel	mg/kg	6.8	4.7	4.9
Potassium	mg/kg	1300 J	470 J	460
Selenium	mg/kg	0.34 U	0.47 U	0.40 U
Silver	mg/kg	0.34 U	0.47 U	0.40 U
Sodium	mg/kg	64 J	22 J	400 U
Thallium	mg/kg	0.67 U	0.94 U	0.81 U
Vanadium	mg/kg	29	30	15
Zinc	mg/kg	25	17	20

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-14**	**SB-14**	**SB-15**
Sample ID:		**SO-11109615-SB14(2-2.5)-092415-MD-033**	**SO-11109615-SB14(8-8.5)-092415-MD-034**	**SO-11109615-SB15(3.5-4)-092415-MD-028**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(2-2.5) ft. bgs.**	**(8-8.5) ft. bgs.**	**(3.5-4) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-15**	**SB-16**	**SB-16**
Sample ID:		**SO-11109615-SB15(8.5-9)-092415-MD-029**	**SO-11109615-SB16(1.5-2)-092415-MD-035**	**SO-11109615-SB16(9-9.5)-092415-MD-036**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.2 U	3.6 U	4.1 U
1,1,2,2-Tetrachloroethane	µg/kg	4.2 U	3.6 U	4.1 U
1,1,2-Trichloroethane	µg/kg	4.2 U	3.6 U	4.1 U
1,1-Dichloroethane	µg/kg	4.2 U	3.6 U	4.1 U
1,1-Dichloroethene	µg/kg	4.2 U	3.6 U	4.1 U
1,2,4-Trichlorobenzene	µg/kg	4.2 U	3.6 U	4.1 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	8.4 U	7.1 U	8.2 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.2 U	3.6 U	4.1 U
1,2-Dichlorobenzene	µg/kg	4.2 U	3.6 U	4.1 U
1,2-Dichloroethane	µg/kg	4.2 U	3.6 U	4.1 U
1,2-Dichloropropane	µg/kg	4.2 U	3.6 U	4.1 U
1,3-Dichlorobenzene	µg/kg	4.2 U	3.6 U	4.1 U
1,4-Dichlorobenzene	µg/kg	4.2 U	3.6 U	4.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	17 U	1.0 J	16 U
2-Hexanone	µg/kg	17 U	14 U	16 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	17 U	14 U	16 U
Acetone	µg/kg	17 U	14 U	16 U
Benzene	µg/kg	4.2 U	3.6 U	4.1 U
Bromodichloromethane	µg/kg	4.2 U	3.6 U	4.1 U
Bromoform	µg/kg	4.2 U	3.6 U	4.1 U
Bromomethane (Methyl bromide)	µg/kg	4.2 U	3.6 U	4.1 U
Carbon disulfide	µg/kg	4.2 U	3.6 U	4.1 U
Carbon tetrachloride	µg/kg	4.2 U	3.6 U	4.1 U
Chlorobenzene	µg/kg	4.2 U	3.6 U	4.1 U
Chloroethane	µg/kg	4.2 U	3.6 U	4.1 U
Chloroform (Trichloromethane)	µg/kg	4.2 U	3.6 U	4.1 U
Chloromethane (Methyl chloride)	µg/kg	4.2 U	3.6 U	4.1 U
cis-1,2-Dichloroethene	µg/kg	4.2 U	3.6 U	4.1 U
cis-1,3-Dichloropropene	µg/kg	4.2 U	3.6 U	4.1 U
Cyclohexane	µg/kg	8.4 U	7.1 U	8.2 U
Dibromochloromethane	µg/kg	4.2 U	3.6 U	4.1 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.2 U	3.6 U	4.1 U
Ethylbenzene	µg/kg	4.2 U	3.6 U	4.1 U
Isopropyl benzene	µg/kg	4.2 U	3.6 U	4.1 U
Methyl acetate	µg/kg	8.4 U	7.1 U	8.2 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-15**	**SB-16**	**SB-16**
Sample ID:		**SO-11109615-SB15(8.5-9)-092415-MD-029**	**SO-11109615-SB16(1.5-2)-092415-MD-035**	**SO-11109615-SB16(9-9.5)-092415-MD-036**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	8.4 U	7.1 U	8.2 U
Methyl tert butyl ether (MTBE)	µg/kg	4.2 U	3.6 U	4.1 U
Methylene chloride	µg/kg	4.2 U	6.3	4.7
Styrene	µg/kg	4.2 U	3.6 U	4.1 U
Tetrachloroethene	µg/kg	4.2 U	3.6 U	4.1 U
Toluene	µg/kg	4.2 U	3.6 U	4.1 U
trans-1,2-Dichloroethene	µg/kg	4.2 U	3.6 U	4.1 U
trans-1,3-Dichloropropene	µg/kg	4.2 U	3.6 U	4.1 U
Trichloroethene	µg/kg	4.2 U	3.6 U	4.1 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.2 U	3.6 U	4.1 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.2 U	3.6 U	4.1 U
Vinyl chloride	µg/kg	4.2 U	3.6 U	4.1 U
Xylenes (total)	µg/kg	8.4 U	7.1 U	8.2 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	200 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	R	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	R	150 U
2,4-Dichlorophenol	µg/kg	150 U	R	150 U
2,4-Dimethylphenol	µg/kg	150 U	R	150 U
2,4-Dinitrophenol	µg/kg	330 U	R	330 U
2,4-Dinitrotoluene	µg/kg	200 U	400 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	400 U	200 U
2-Chloronaphthalene	µg/kg	50 U	100 U	51 U
2-Chlorophenol	µg/kg	50 U	R	51 U
2-Methylnaphthalene	µg/kg	6.7 U	13 U	6.7 U
2-Methylphenol	µg/kg	200 U	R	200 U
2-Nitroaniline	µg/kg	200 U	400 U	200 U
2-Nitrophenol	µg/kg	50 U	R	51 U
3&4-Methylphenol	µg/kg	400 U	R	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	200 U	100 U
3-Nitroaniline	µg/kg	200 U	400 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	R	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	100 U	51 U
4-Chloro-3-methylphenol	µg/kg	150 U	R	150 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-15**	**SB-16**	**SB-16**
Sample ID:		**SO-11109615-SB15(8.5-9)-092415-MD-029**	**SO-11109615-SB16(1.5-2)-092415-MD-035**	**SO-11109615-SB16(9-9.5)-092415-MD-036**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	300 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	100 U	51 U
4-Nitroaniline	µg/kg	200 U	400 U	200 U
4-Nitrophenol	µg/kg	330 U	R	330 U
Acenaphthene	µg/kg	6.7 U	13 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	13 U	6.7 U
Acetophenone	µg/kg	100 U	200 U	100 U
Anthracene	µg/kg	6.7 U	200	6.7 U
Atrazine	µg/kg	200 U	400 U	200 U
Benzaldehyde	µg/kg	100 U	200 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	1000	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	980	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	1200	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	210	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	510	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	100 U	51 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	200 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	200 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	70 U	140 U	71 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	140 U	71 U
Caprolactam	µg/kg	330 U	660 U	330 U
Carbazole	µg/kg	50 U	100 U	51 U
Chrysene	µg/kg	6.7 U	1100	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	13 U	6.7 U
Dibenzofuran	µg/kg	50 U	100 U	51 U
Diethyl phthalate	µg/kg	70 U	140 U	71 U
Dimethyl phthalate	µg/kg	70 U	140 U	71 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	140 U	71 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	140 U	71 U
Fluoranthene	µg/kg	6.7 U	1100	6.7 U
Fluorene	µg/kg	6.7 U	9.6 J	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	13 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	100 U	51 U
Hexachlorocyclopentadiene	µg/kg	330 U	660 U	330 U
Hexachloroethane	µg/kg	50 U	100 U	51 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-15	SB-16	SB-16
	Sample ID:	SO-11109615-SB15(8.5-9)-092415-MD-029	SO-11109615-SB16(1.5-2)-092415-MD-035	SO-11109615-SB16(9-9.5)-092415-MD-036
	Sample Date:	9/24/2015	9/24/2015	9/24/2015
	Sample Depth:	(8.5-9) ft. bgs.	(1.5-2) ft. bgs.	(9-9.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	170	6.7 U
Isophorone	µg/kg	50 U	100 U	51 U
Naphthalene	µg/kg	6.7 U	13 U	6.7 U
Nitrobenzene	µg/kg	100 U	200 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	100 U	51 U
N-Nitrosodiphenylamine	µg/kg	50 U	100 U	51 U
Pentachlorophenol	µg/kg	150 U	R	150 U
Phenanthrene	µg/kg	6.7 U	360	6.7 U
Phenol	µg/kg	50 U	R	51 U
Pyrene	µg/kg	6.7 U	1200	6.7 U
Metals				
Aluminum	mg/kg	9900	9400	9800
Antimony	mg/kg	0.85 U	0.85 UJ	0.84 UJ
Arsenic	mg/kg	1.0	1.9	1.1
Barium	mg/kg	34	36	26
Beryllium	mg/kg	0.25 J	0.36 J	0.25 J
Cadmium	mg/kg	0.17 U	0.037 J	0.17 U
Calcium	mg/kg	3800	1900	1700
Chromium	mg/kg	15	12	10
Cobalt	mg/kg	1.4 J	5.2	0.71 J
Copper	mg/kg	6.2	6.4	5.0
Iron	mg/kg	4400	13000 J	2300 J
Lead	mg/kg	5.6	5.3	6.1
Magnesium	mg/kg	750	980	410 J
Manganese	mg/kg	34	170	17
Mercury	mg/kg	0.013 J	0.029 J	0.024 J
Nickel	mg/kg	4.2	4.7	3.4
Potassium	mg/kg	540	700 J	350 J
Selenium	mg/kg	0.43 U	0.43 U	0.42 U
Silver	mg/kg	0.43 U	0.43 U	0.42 U
Sodium	mg/kg	430 U	37 J	22 J
Thallium	mg/kg	0.85 U	0.85 U	0.84 U
Vanadium	mg/kg	24	26	21
Zinc	mg/kg	14	19	14

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-15**	**SB-16**	**SB-16**
Sample ID:		**SO-11109615-SB15(8.5-9)-092415-MD-029**	**SO-11109615-SB16(1.5-2)-092415-MD-035**	**SO-11109615-SB16(9-9.5)-092415-MD-036**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8.5-9) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	34 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	34 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	34 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	34 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	34 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	34 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	34 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-17**	**SB-17**	**SB-18**
Sample ID:		**SO-11109615-SB17(1.5-2)-092415-MD-041**	**SO-11109615-SB17(9-9.5)-092415-MD-042**	**SO-11109615-SB18(1.5-2)-092415-MD-037**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	3.9 U	4.8 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/kg	3.9 U	4.8 U	5.0 U
1,1,2-Trichloroethane	µg/kg	3.9 U	4.8 U	5.0 U
1,1-Dichloroethane	µg/kg	3.9 U	4.8 U	5.0 U
1,1-Dichloroethene	µg/kg	3.9 U	4.8 U	5.0 U
1,2,4-Trichlorobenzene	µg/kg	3.9 U	4.8 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	7.8 U	9.6 U	10 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	3.9 U	4.8 U	5.0 U
1,2-Dichlorobenzene	µg/kg	3.9 U	4.8 U	5.0 U
1,2-Dichloroethane	µg/kg	3.9 U	4.8 U	5.0 U
1,2-Dichloropropane	µg/kg	3.9 U	4.8 U	5.0 U
1,3-Dichlorobenzene	µg/kg	3.9 U	4.8 U	5.0 U
1,4-Dichlorobenzene	µg/kg	3.9 U	4.8 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	16 U	19 U	20 U
2-Hexanone	µg/kg	16 U	19 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	16 U	19 U	20 U
Acetone	µg/kg	16 U	19 U	20 U
Benzene	µg/kg	3.9 U	4.8 U	5.0 U
Bromodichloromethane	µg/kg	3.9 U	4.8 U	5.0 U
Bromoform	µg/kg	3.9 U	4.8 U	5.0 U
Bromomethane (Methyl bromide)	µg/kg	3.9 U	4.8 U	5.0 U
Carbon disulfide	µg/kg	3.9 U	4.8 U	5.0 U
Carbon tetrachloride	µg/kg	3.9 U	4.8 U	5.0 U
Chlorobenzene	µg/kg	3.9 U	4.8 U	5.0 U
Chloroethane	µg/kg	3.9 U	4.8 U	5.0 U
Chloroform (Trichloromethane)	µg/kg	3.9 U	4.8 U	5.0 U
Chloromethane (Methyl chloride)	µg/kg	3.9 U	4.8 U	5.0 U
cis-1,2-Dichloroethene	µg/kg	3.9 U	4.8 U	5.0 U
cis-1,3-Dichloropropene	µg/kg	3.9 U	4.8 U	5.0 U
Cyclohexane	µg/kg	7.8 U	9.6 U	10 U
Dibromochloromethane	µg/kg	3.9 U	4.8 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/kg	3.9 U	4.8 U	5.0 U
Ethylbenzene	µg/kg	3.9 U	4.8 U	5.0 U
Isopropyl benzene	µg/kg	3.9 U	4.8 U	5.0 U
Methyl acetate	µg/kg	7.8 U	9.6 U	10 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-17**	**SB-17**	**SB-18**
Sample ID:		**SO-11109615-SB17(1.5-2)-092415-MD-041**	**SO-11109615-SB17(9-9.5)-092415-MD-042**	**SO-11109615-SB18(1.5-2)-092415-MD-037**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	7.8 U	9.6 U	10 U
Methyl tert butyl ether (MTBE)	µg/kg	3.9 U	4.8 U	5.0 U
Methylene chloride	µg/kg	5.4	4.8 U	5.0 U
Styrene	µg/kg	3.9 U	4.8 U	5.0 U
Tetrachloroethene	µg/kg	3.9 U	4.8 U	5.0 U
Toluene	µg/kg	3.9 U	4.8 U	5.0 U
trans-1,2-Dichloroethene	µg/kg	3.9 U	4.8 U	5.0 U
trans-1,3-Dichloropropene	µg/kg	3.9 U	4.8 U	5.0 U
Trichloroethene	µg/kg	3.9 U	4.8 U	5.0 U
Trichlorofluoromethane (CFC-11)	µg/kg	3.9 U	4.8 U	5.0 U
Trifluorotrichloroethane (CFC-113)	µg/kg	3.9 U	4.8 U	5.0 U
Vinyl chloride	µg/kg	3.9 U	4.8 U	5.0 U
Xylenes (total)	µg/kg	7.8 U	9.6 U	10 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	99 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	49 U	50 U
2-Chlorophenol	µg/kg	50 U	49 U	50 U
2-Methylnaphthalene	µg/kg	6.7 U	6.6 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	49 U	50 U
3&4-Methylphenol	µg/kg	400 U	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	99 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	49 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-17**	**SB-17**	**SB-18**
Sample ID:		**SO-11109615-SB17(1.5-2)-092415-MD-041**	**SO-11109615-SB17(9-9.5)-092415-MD-042**	**SO-11109615-SB18(1.5-2)-092415-MD-037**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	49 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.6 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	6.6 U	6.7 U
Acetophenone	µg/kg	100 U	99 U	100 U
Anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	99 U	100 U
Benzo(a)anthracene	µg/kg	6.3 J	6.6 U	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	49 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	99 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	99 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	80	21 J	70 U
Butyl benzylphthalate (BBP)	µg/kg	70 U	69 U	70 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	49 U	50 U
Chrysene	µg/kg	7.5	6.6 U	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenzofuran	µg/kg	50 U	49 U	50 U
Diethyl phthalate	µg/kg	70 U	69 U	70 U
Dimethyl phthalate	µg/kg	70 U	69 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	21 J	69 U	70 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	69 U	70 U
Fluoranthene	µg/kg	13	6.6 U	6.7 U
Fluorene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	49 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	330 U
Hexachloroethane	µg/kg	50 U	49 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-17**	**SB-17**	**SB-18**
Sample ID:		**SO-11109615-SB17(1.5-2)-092415-MD-041**	**SO-11109615-SB17(9-9.5)-092415-MD-042**	**SO-11109615-SB18(1.5-2)-092415-MD-037**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**	**(1.5-2) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Isophorone	µg/kg	50 U	49 U	50 U
Naphthalene	µg/kg	6.7 U	6.6 U	6.7 U
Nitrobenzene	µg/kg	100 U	99 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	49 U	50 U
N-Nitrosodiphenylamine	µg/kg	50 U	49 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	7.7	6.6 U	6.7 U
Phenol	µg/kg	50 U	49 U	50 U
Pyrene	µg/kg	13	6.6 U	6.7 U
Metals				
Aluminum	mg/kg	9700	12000	11000
Antimony	mg/kg	0.93 UJ	0.86 UJ	0.75 UJ
Arsenic	mg/kg	1.8	0.97	1.3
Barium	mg/kg	52	23	53
Beryllium	mg/kg	0.29 J	0.24 J	0.32 J
Cadmium	mg/kg	0.12 J	0.17 U	0.15 U
Calcium	mg/kg	2300	1300	1100
Chromium	mg/kg	19	12	11
Cobalt	mg/kg	3.8 J	1.3 J	1.3 J
Copper	mg/kg	11	7.5	3.6
Iron	mg/kg	11000 J	4400 J	5300 J
Lead	mg/kg	10	5.4	4.5
Magnesium	mg/kg	2400	670	670
Manganese	mg/kg	150	24	42
Mercury	mg/kg	0.023 J	0.014 J	0.045 J
Nickel	mg/kg	7.6	4.6	3.8
Potassium	mg/kg	1500 J	480 J	380 J
Selenium	mg/kg	0.46 U	0.43 U	0.37 U
Silver	mg/kg	0.46 U	0.43 U	0.37 U
Sodium	mg/kg	57 J	21 J	34 J
Thallium	mg/kg	0.93 U	0.86 U	0.75 U
Vanadium	mg/kg	29	22	21
Zinc	mg/kg	27	14	10

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-17	SB-17	SB-18
	Sample ID:	SO-11109615-SB17(1.5-2)-092415-MD-041	SO-11109615-SB17(9-9.5)-092415-MD-042	SO-11109615-SB18(1.5-2)-092415-MD-037
	Sample Date:	9/24/2015	9/24/2015	9/24/2015
	Sample Depth:	(1.5-2) ft. bgs.	(9-9.5) ft. bgs.	(1.5-2) ft. bgs.
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-18**	**SB-19**	**SB-19**
Sample ID:		**SO-11109615-SB18(8-8.5)-092415-MD-038**	**SO-11109615-SB19(1.5-2)-092415-MD-039**	**SO-11109615-SB19(9-9.5)-092415-MD-040**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	µg/kg	4.5 U	4.4 U	4.3 U
1,1,2,2-Tetrachloroethane	µg/kg	4.5 U	4.4 U	4.3 U
1,1,2-Trichloroethane	µg/kg	4.5 U	4.4 U	4.3 U
1,1-Dichloroethane	µg/kg	4.5 U	4.4 U	4.3 U
1,1-Dichloroethene	µg/kg	4.5 U	4.4 U	4.3 U
1,2,4-Trichlorobenzene	µg/kg	4.5 U	4.4 U	4.3 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	9.0 U	8.7 U	8.5 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	4.5 U	4.4 U	4.3 U
1,2-Dichlorobenzene	µg/kg	4.5 U	4.4 U	4.3 U
1,2-Dichloroethane	µg/kg	4.5 U	4.4 U	4.3 U
1,2-Dichloropropane	µg/kg	4.5 U	4.4 U	4.3 U
1,3-Dichlorobenzene	µg/kg	4.5 U	4.4 U	4.3 U
1,4-Dichlorobenzene	µg/kg	4.5 U	4.4 U	4.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	18 U	17 U	17 U
2-Hexanone	µg/kg	18 U	17 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	18 U	17 U	17 U
Acetone	µg/kg	18 U	21	17 U
Benzene	µg/kg	4.5 U	4.4 U	4.3 U
Bromodichloromethane	µg/kg	4.5 U	4.4 U	4.3 U
Bromoform	µg/kg	4.5 U	4.4 U	4.3 U
Bromomethane (Methyl bromide)	µg/kg	4.5 U	4.4 U	4.3 U
Carbon disulfide	µg/kg	4.5 U	4.4 U	4.3 U
Carbon tetrachloride	µg/kg	4.5 U	4.4 U	4.3 U
Chlorobenzene	µg/kg	4.5 U	4.4 U	4.3 U
Chloroethane	µg/kg	4.5 U	4.4 U	4.3 U
Chloroform (Trichloromethane)	µg/kg	4.5 U	4.4 U	4.3 U
Chloromethane (Methyl chloride)	µg/kg	4.5 U	4.4 U	4.3 U
cis-1,2-Dichloroethene	µg/kg	4.5 U	4.4 U	4.3 U
cis-1,3-Dichloropropene	µg/kg	4.5 U	4.4 U	4.3 U
Cyclohexane	µg/kg	9.0 U	8.7 U	8.5 U
Dibromochloromethane	µg/kg	4.5 U	4.4 U	4.3 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.5 U	4.4 U	4.3 U
Ethylbenzene	µg/kg	4.5 U	4.4 U	4.3 U
Isopropyl benzene	µg/kg	4.5 U	4.4 U	4.3 U
Methyl acetate	µg/kg	9.0 U	8.7 U	8.5 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-18**	**SB-19**	**SB-19**
Sample ID:		**SO-11109615-SB18(8-8.5)-092415-MD-038**	**SO-11109615-SB19(1.5-2)-092415-MD-039**	**SO-11109615-SB19(9-9.5)-092415-MD-040**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
VOCs-Continued				
Methyl cyclohexane	µg/kg	9.0 U	8.7 U	8.5 U
Methyl tert butyl ether (MTBE)	µg/kg	4.5 U	4.4 U	4.3 U
Methylene chloride	µg/kg	6.2	9.4	6.8
Styrene	µg/kg	4.5 U	4.4 U	4.3 U
Tetrachloroethene	µg/kg	4.5 U	4.4 U	4.3 U
Toluene	µg/kg	4.5 U	4.4 U	4.3 U
trans-1,2-Dichloroethene	µg/kg	4.5 U	4.4 U	4.3 U
trans-1,3-Dichloropropene	µg/kg	4.5 U	4.4 U	4.3 U
Trichloroethene	µg/kg	4.5 U	4.4 U	4.3 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.5 U	4.4 U	4.3 U
Trifluorotrichloroethane (CFC-113)	µg/kg	4.5 U	4.4 U	4.3 U
Vinyl chloride	µg/kg	4.5 U	4.4 U	4.3 U
Xylenes (total)	µg/kg	9.0 U	8.7 U	8.5 U
Semi-volatile Organic Compounds (SVOCs)				
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	99 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	49 U	50 U
2-Chlorophenol	µg/kg	50 U	49 U	50 U
2-Methylnaphthalene	µg/kg	6.7 U	6.6 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U	200 U
2-Nitrophenol	µg/kg	50 U	49 U	50 U
3&4-Methylphenol	µg/kg	400 U	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	99 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	49 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U	150 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-18**	**SB-19**	**SB-19**
Sample ID:		**SO-11109615-SB18(8-8.5)-092415-MD-038**	**SO-11109615-SB19(1.5-2)-092415-MD-039**	**SO-11109615-SB19(9-9.5)-092415-MD-040**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
SVOCs-Continued				
4-Chloroaniline	µg/kg	150 U	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	49 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.6 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	6.6 U	6.7 U
Acetophenone	µg/kg	100 U	99 U	100 U
Anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Atrazine	µg/kg	200 U	200 U	200 U
Benzaldehyde	µg/kg	100 U	99 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.6 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	49 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	99 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	99 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	79	200	23 J
Butyl benzylphthalate (BBP)	µg/kg	70 U	69 U	70 U
Caprolactam	µg/kg	330 U	330 U	330 U
Carbazole	µg/kg	50 U	49 U	50 U
Chrysene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.6 U	6.7 U
Dibenzofuran	µg/kg	50 U	49 U	50 U
Diethyl phthalate	µg/kg	70 U	69 U	70 U
Dimethyl phthalate	µg/kg	70 U	69 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	70 U	69 U	70 U
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	69 U	70 U
Fluoranthene	µg/kg	6.7 U	6.6 U	6.7 U
Fluorene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	6.6 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	49 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U	R
Hexachloroethane	µg/kg	50 U	49 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	SB-18	SB-19	SB-19
	Sample ID:	SO-11109615-SB18(8-8.5)-092415-MD-038	SO-11109615-SB19(1.5-2)-092415-MD-039	SO-11109615-SB19(9-9.5)-092415-MD-040
	Sample Date:	9/24/2015	9/24/2015	9/24/2015
	Sample Depth:	(8-8.5) ft. bgs.	(1.5-2) ft. bgs.	(9-9.5) ft. bgs.
Parameters	**Units**			
SVOCs-Continued				
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Isophorone	µg/kg	50 U	49 U	50 U
Naphthalene	µg/kg	6.7 U	6.6 U	6.7 U
Nitrobenzene	µg/kg	100 U	99 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	49 U	50 U
N-Nitrosodiphenylamine	µg/kg	50 U	49 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.6 U	6.7 U
Phenol	µg/kg	50 U	49 U	50 U
Pyrene	µg/kg	6.7 U	6.6 U	6.7 U
Metals				
Aluminum	mg/kg	7500	7600	11000
Antimony	mg/kg	0.85 UJ	0.84 UJ	0.98 UJ
Arsenic	mg/kg	1.3	1.4	1.8
Barium	mg/kg	17	50	19 J
Beryllium	mg/kg	0.32 J	0.30 J	0.33 J
Cadmium	mg/kg	0.17 U	0.17 U	0.20 U
Calcium	mg/kg	310 J	580	1300
Chromium	mg/kg	9.4	7.1	13
Cobalt	mg/kg	1.5 J	1.1 J	1.2 J
Copper	mg/kg	6.7	2.2	7.0
Iron	mg/kg	6700 J	5000 J	11000 J
Lead	mg/kg	3.9	4.8	5.6
Magnesium	mg/kg	650	360 J	700
Manganese	mg/kg	29	90	29
Mercury	mg/kg	0.021 J	0.017 J	0.014 J
Nickel	mg/kg	37	2.4 J	4.1
Potassium	mg/kg	360 J	240 J	490 J
Selenium	mg/kg	0.43 U	0.42 U	0.49 U
Silver	mg/kg	0.43 U	0.42 U	0.49 U
Sodium	mg/kg	430 U	50 J	22 J
Thallium	mg/kg	0.85 U	0.84 U	0.98 U
Vanadium	mg/kg	18	17	40
Zinc	mg/kg	16	8.1	14

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-18**	**SB-19**	**SB-19**
Sample ID:		**SO-11109615-SB18(8-8.5)-092415-MD-038**	**SO-11109615-SB19(1.5-2)-092415-MD-039**	**SO-11109615-SB19(9-9.5)-092415-MD-040**
Sample Date:		**9/24/2015**	**9/24/2015**	**9/24/2015**
Sample Depth:		**(8-8.5) ft. bgs.**	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**			
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U	33 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-20**	**SB-20**
Sample ID:		**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
Sample Date:		**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**		
Volatile Organic Compounds (VOCs)			
1,1,1-Trichloroethane	µg/kg	3.7 U	4.2 U
1,1,2,2-Tetrachloroethane	µg/kg	3.7 U	4.2 U
1,1,2-Trichloroethane	µg/kg	3.7 U	4.2 U
1,1-Dichloroethane	µg/kg	3.7 U	4.2 U
1,1-Dichloroethene	µg/kg	3.7 U	4.2 U
1,2,4-Trichlorobenzene	µg/kg	3.7 U	4.2 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/kg	7.4 U	8.3 U
1,2-Dibromoethane (Ethylene dibromide)	µg/kg	3.7 U	4.2 U
1,2-Dichlorobenzene	µg/kg	3.7 U	4.2 U
1,2-Dichloroethane	µg/kg	3.7 U	4.2 U
1,2-Dichloropropane	µg/kg	3.7 U	4.2 U
1,3-Dichlorobenzene	µg/kg	3.7 U	4.2 U
1,4-Dichlorobenzene	µg/kg	3.7 U	4.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/kg	15 U	17 U
2-Hexanone	µg/kg	15 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/kg	15 U	17 U
Acetone	µg/kg	15 U	18
Benzene	µg/kg	3.7 U	4.2 U
Bromodichloromethane	µg/kg	3.7 U	4.2 U
Bromoform	µg/kg	3.7 U	4.2 U
Bromomethane (Methyl bromide)	µg/kg	3.7 U	4.2 U
Carbon disulfide	µg/kg	3.7 U	4.2 U
Carbon tetrachloride	µg/kg	3.7 U	4.2 U
Chlorobenzene	µg/kg	3.7 U	4.2 U
Chloroethane	µg/kg	3.7 U	4.2 U
Chloroform (Trichloromethane)	µg/kg	3.7 U	4.2 U
Chloromethane (Methyl chloride)	µg/kg	3.7 U	4.2 U
cis-1,2-Dichloroethene	µg/kg	3.7 U	4.2 U
cis-1,3-Dichloropropene	µg/kg	3.7 U	4.2 U
Cyclohexane	µg/kg	7.4 U	8.3 U
Dibromochloromethane	µg/kg	3.7 U	4.2 U
Dichlorodifluoromethane (CFC-12)	µg/kg	3.7 U	4.2 U
Ethylbenzene	µg/kg	3.7 U	4.2 U
Isopropyl benzene	µg/kg	3.7 U	4.2 U
Methyl acetate	µg/kg	7.4 U	8.3 U

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-20**	**SB-20**
Sample ID:		**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
Sample Date:		**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**		
VOCs-Continued			
Methyl cyclohexane	µg/kg	7.4 U	8.3 U
Methyl tert butyl ether (MTBE)	µg/kg	3.7 U	4.2 U
Methylene chloride	µg/kg	3.7 U	9.2
Styrene	µg/kg	3.7 U	4.2 U
Tetrachloroethene	µg/kg	3.7 U	4.2 U
Toluene	µg/kg	3.7 U	4.2 U
trans-1,2-Dichloroethene	µg/kg	3.7 U	4.2 U
trans-1,3-Dichloropropene	µg/kg	3.7 U	4.2 U
Trichloroethene	µg/kg	3.7 U	4.2 U
Trichlorofluoromethane (CFC-11)	µg/kg	3.7 U	4.2 U
Trifluorotrichloroethane (CFC-113)	µg/kg	3.7 U	4.2 U
Vinyl chloride	µg/kg	3.7 U	4.2 U
Xylenes (total)	µg/kg	7.4 U	8.3 U
Semi-volatile Organic Compounds (SVOCs)			
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	µg/kg	100 U	100 U
2,4,5-Trichlorophenol	µg/kg	150 U	150 U
2,4,6-Trichlorophenol	µg/kg	150 U	150 U
2,4-Dichlorophenol	µg/kg	150 U	150 U
2,4-Dimethylphenol	µg/kg	150 U	150 U
2,4-Dinitrophenol	µg/kg	330 U	330 U
2,4-Dinitrotoluene	µg/kg	200 U	200 U
2,6-Dinitrotoluene	µg/kg	200 U	200 U
2-Chloronaphthalene	µg/kg	50 U	50 U
2-Chlorophenol	µg/kg	50 U	50 U
2-Methylnaphthalene	µg/kg	6.7 U	6.7 U
2-Methylphenol	µg/kg	200 U	200 U
2-Nitroaniline	µg/kg	200 U	200 U
2-Nitrophenol	µg/kg	50 U	50 U
3&4-Methylphenol	µg/kg	400 U	400 U
3,3'-Dichlorobenzidine	µg/kg	100 U	100 U
3-Nitroaniline	µg/kg	200 U	200 U
4,6-Dinitro-2-methylphenol	µg/kg	150 U	150 U
4-Bromophenyl phenyl ether	µg/kg	50 U	50 U
4-Chloro-3-methylphenol	µg/kg	150 U	150 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	**SB-20**	**SB-20**
	Sample ID:	**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
	Sample Date:	**9/24/2015**	**9/24/2015**
	Sample Depth:	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**		
SVOCs-Continued			
4-Chloroaniline	µg/kg	150 U	150 U
4-Chlorophenyl phenyl ether	µg/kg	50 U	50 U
4-Nitroaniline	µg/kg	200 U	200 U
4-Nitrophenol	µg/kg	330 U	330 U
Acenaphthene	µg/kg	6.7 U	6.7 U
Acenaphthylene	µg/kg	6.7 U	6.7 U
Acetophenone	µg/kg	100 U	100 U
Anthracene	µg/kg	6.7 U	6.7 U
Atrazine	µg/kg	200 U	200 U
Benzaldehyde	µg/kg	100 U	100 U
Benzo(a)anthracene	µg/kg	6.7 U	6.7 U
Benzo(a)pyrene	µg/kg	6.7 U	6.7 U
Benzo(b)fluoranthene	µg/kg	6.7 U	6.7 U
Benzo(g,h,i)perylene	µg/kg	6.7 U	6.7 U
Benzo(k)fluoranthene	µg/kg	6.7 U	6.7 U
Biphenyl (1,1-Biphenyl)	µg/kg	50 U	50 U
bis(2-Chloroethoxy)methane	µg/kg	100 U	100 U
bis(2-Chloroethyl)ether	µg/kg	100 U	100 U
bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	23 J	24 J
Butyl benzylphthalate (BBP)	µg/kg	70 U	70 U
Caprolactam	µg/kg	330 U	330 U
Carbazole	µg/kg	50 U	50 U
Chrysene	µg/kg	3.3 J	6.7 U
Dibenz(a,h)anthracene	µg/kg	6.7 U	6.7 U
Dibenzofuran	µg/kg	50 U	50 U
Diethyl phthalate	µg/kg	70 U	70 U
Dimethyl phthalate	µg/kg	70 U	70 U
Di-n-butylphthalate (DBP)	µg/kg	15 J	16 J
Di-n-octyl phthalate (DnOP)	µg/kg	70 U	70 U
Fluoranthene	µg/kg	3.6 J	6.7 U
Fluorene	µg/kg	6.7 U	6.7 U
Hexachlorobenzene	µg/kg	6.7 U	6.7 U
Hexachlorobutadiene	µg/kg	50 U	50 U
Hexachlorocyclopentadiene	µg/kg	330 U	330 U
Hexachloroethane	µg/kg	50 U	50 U

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

	Sample Location:	**SB-20**	**SB-20**
	Sample ID:	**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
	Sample Date:	**9/24/2015**	**9/24/2015**
	Sample Depth:	**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**		
SVOCs-Continued			
Indeno(1,2,3-cd)pyrene	µg/kg	6.7 U	6.7 U
Isophorone	µg/kg	50 U	50 U
Naphthalene	µg/kg	6.7 U	6.7 U
Nitrobenzene	µg/kg	100 U	100 U
N-Nitrosodi-n-propylamine	µg/kg	50 U	50 U
N-Nitrosodiphenylamine	µg/kg	50 U	50 U
Pentachlorophenol	µg/kg	150 U	150 U
Phenanthrene	µg/kg	6.7 U	6.7 U
Phenol	µg/kg	50 U	50 U
Pyrene	µg/kg	3.7 J	6.7 U
Metals			
Aluminum	mg/kg	15000	17000
Antimony	mg/kg	0.43 J	0.79 UJ
Arsenic	mg/kg	2.3	3.0
Barium	mg/kg	41	51
Beryllium	mg/kg	0.51	0.48
Cadmium	mg/kg	0.058 J	0.044 J
Calcium	mg/kg	1600	890
Chromium	mg/kg	22	20
Cobalt	mg/kg	7.4	4.4
Copper	mg/kg	9.7	9.2
Iron	mg/kg	22000 J	24000 J
Lead	mg/kg	7.6	9.1
Magnesium	mg/kg	1100	820
Manganese	mg/kg	280	170
Mercury	mg/kg	0.046 J	0.058 J
Nickel	mg/kg	7.1	7.3
Potassium	mg/kg	860 J	700 J
Selenium	mg/kg	0.41 U	0.39 U
Silver	mg/kg	0.41 U	0.39 U
Sodium	mg/kg	33 J	27 J
Thallium	mg/kg	0.81 U	0.79 U
Vanadium	mg/kg	47	52
Zinc	mg/kg	30	34

Table 2

Analytical Results Summary
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Sample Location:		**SB-20**	**SB-20**
Sample ID:		**SO-11109615-SB20(1.5-2)-092415-MD-043**	**SO-11109615-SB20(9-9.5)-092415-MD-044**
Sample Date:		**9/24/2015**	**9/24/2015**
Sample Depth:		**(1.5-2) ft. bgs.**	**(9-9.5) ft. bgs.**
Parameters	**Units**		
Polychlorinated Biphenyls (PCBs)			
Aroclor-1016 (PCB-1016)	µg/kg	33 U	33 U
Aroclor-1221 (PCB-1221)	µg/kg	33 U	33 U
Aroclor-1232 (PCB-1232)	µg/kg	33 U	33 U
Aroclor-1242 (PCB-1242)	µg/kg	33 U	33 U
Aroclor-1248 (PCB-1248)	µg/kg	33 U	33 U
Aroclor-1254 (PCB-1254)	µg/kg	33 U	33 U
Aroclor-1260 (PCB-1260)	µg/kg	33 U	33 U

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
R - Rejected
ft. bgs. - Feet below ground surface

Table 3

Analytical Methods
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
Volatile Organic Compounds (VOCs)	SW-846 8260B	Soil	2	14
Semi-Volatile Organic Compounds (SVOCs)	SW-846 8270C	Soil	14	40
Polychlorinated Biphenyls (PCBs)	SW-846 8082	Soil	14	40
Metals	SW-846 6010B	Soil	-	180
Mercury	SW-846 7471A	Soil	-	28

Notes:

Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Organic Method Blanks
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Analyte	Analysis Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
VOCs	Methyl cyclohexane	09/25/2015	0.713 J	SO-11109615-SB1(0.5-1)-092215-MD-001	0.63 J	9.3 U	µg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	0.63 J	11 U	µg/kg
VOCs	Methylene chloride	09/25/2015	2.63 J	SO-11109615-SB1(0.5-1)-092215-MD-001	2.9 J	4.7 U	µg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	4.0 J	5.4 U	µg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	3.8 J	4.6 U	µg/kg
VOCs	Acetone	09/30/2015	11.0 J	SO-11109615-SB12(8-8.5)-092315-MD-026	9.7 J	17 U	µg/kg
				SO-11109615-SB3(2.5-3)-092315-MD-027	11 J	18 U	µg/kg
VOCs	Methylene chloride	09/30/2015	5.34	SO-11109615-SB3(2.5-3)-092315-MD-027	2.7 J	4.4 U	µg/kg
				SO-11109615-SB13(14.5-15)-092415-MD-032	2.9 J	4.4 U	µg/kg
				SO-11109615-SB13(2-2.5)-092415-MD-030	5.2	5.2 U	µg/kg
				SO-11109615-SB13(6-6.5)-092415-MD-031	3.7 J	4.0 U	µg/kg
				SO-11109615-SB15(3.5-4)-092415-MD-028	3.2 J	4.1 U	µg/kg
				SO-11109615-SB15(8.5-9)-092415-MD-029	3.2 J	4.2 U	µg/kg
VOCs	Acetone	10/02/2015	6.97 J	SO-11109615-SB16(1.5-2)-092415-MD-035	9.7 J	14 U	µg/kg
				SO-11109615-SB17(1.5-2)-092415-MD-041	12 J	16 U	µg/kg
				SO-11109615-SB17(9-9.5)-092415-MD-042	13 J	19 U	µg/kg
VOCs	Methylene chloride	10/02/2015	2.76 J	SO-11109615-SB17(9-9.5)-092415-MD-042	4.7 J	4.8 U	µg/kg
				SO-11109615-SB18(1.5-2)-092415-MD-037	1.8 J	5.0 U	µg/kg
				SO-11109615-SB20(1.5-2)-092415-MD-043	3.6 J	3.7 U	µg/kg
SVOCs	bis(2-Ethylhexyl)phthalate (DEHP)	09/28/2015	35.3 J	SO-11109615-SB13(14.5-15)-092415-MD-032	48 J	71 U	µg/kg
			35.3 J	SO-11109615-SB13(2-2.5)-092415-MD-030	39 J	70 U	µg/kg
			35.3 J	SO-11109615-SB13(6-6.5)-092415-MD-031	23 J	69 U	µg/kg
			35.3 J	SO-11109615-SB14(2-2.5)-092415-MD-033	25 J	70 U	µg/kg
			35.3 J	SO-11109615-SB14(8-8.5)-092415-MD-034	38 J	69 U	µg/kg

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Organic Method Blanks
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Analyte	Analysis Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
SVOCs (Continued)	bis(2-Ethylhexyl)phthalate (DEHP)	09/28/2015	353 J	SO-11109615-SB15(3.5-4)-092415-MD-028	440 J	700 U	µg/kg
			35.3 J	SO-11109615-SB15(8.5-9)-092415-MD-029	43 J	70 U	µg/kg
			70.6 J	SO-11109615-SB16(1.5-2)-092415-MD-035	58 J	140 U	µg/kg
			35.3 J	SO-11109615-SB16(9-9.5)-092415-MD-036	45 J	71 U	µg/kg
			35.3 J	SO-11109615-SB18(1.5-2)-092415-MD-037	22 J	70 U	µg/kg
SVOCs	Di-n-butylphthalate (DBP)	09/28/2015	19.5 J	SO-11109615-SB13(14.5-15)-092415-MD-032	16 J	71 U	µg/kg
			19.5 J	SO-11109615-SB13(2-2.5)-092415-MD-030	16 J	70 U	µg/kg
			19.5 J	SO-11109615-SB14(8-8.5)-092415-MD-034	20 J	69 U	µg/kg
			19.5 J	SO-11109615-SB15(8.5-9)-092415-MD-029	16 J	70 U	µg/kg
SVOCs	bis(2-Ethylhexyl)phthalate (DEHP)	09/28/2015	200 J	SO-11109615-SB10(1-1.5)-092315-MD-021	290 J	690 U	µg/kg
			20.0 J	SO-11109615-SB10(8-8.5)-092315-MD-022	39 J	70 U	µg/kg
			20.0 J	SO-11109615-SB11(8-8.5)-092315-MD-024	28 J	71 U	µg/kg
			20.0 J	SO-11109615-SB12(1-1.5)-092315-MD-025	49 J	70 U	µg/kg
			20.0 J	SO-11109615-SB12(8-8.5)-092315-MD-026	30 J	70 U	µg/kg
			20.0 J	SO-11109615-SB3(2.5-3)-092315-MD-027	33 J	71 U	µg/kg
			20.0 J	SO-11109615-SB7(8-8.5)-092315-MD-016	56 J	70 U	µg/kg
			20.0 J	SO-11109615-SB8(1-1.5)-092315-MD-017	49 J	70 U	µg/kg
			20.0 J	SO-11109615-SB8(8.5-9)-092315-MD-018	23 J	70 U	µg/kg
			20.0 J	SO-11109615-SB9(1-1.5)-092315-MD-019	31 J	70 U	µg/kg
			20.0 J	SO-11109615-SB9(8-8.5)-092315-MD-020	26 J	71 U	µg/kg

Notes:

* - Blank result adjusted for sample factors where applicable
U - Not detected at the associated reporting limit
J - Estimated concentration
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds

Table 5

Qualified Sample Results Due to Analyte Concentrations in the Inorganic Blanks
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Analyte	Blank ID	Analysis Date (mm/dd/yyyy)	Blank Result	Sample ID	Original Result	Qualified Result	Units
Metals	Cadmium	CCB 12:31	09/28/2015	0.027J	SO-11109615-SB1(0.5-1)-092215-MD-001	0.087 J	0.20 U	mg/kg
					SO-11109615-SB1(9.5-10)-092215-MD-002	0.058 J	0.15 U	mg/kg
					SO-11109615-SB2(0.5-1)-092215-MD-003	0.065 J	0.18 U	mg/kg
					SO-11109615-SB2(9-9.5)-092215-MD-004	0.049 J	0.17 U	mg/kg
					SO-11109615-SB3(1-1.5)-092315-MD-005	0.067 J	0.16 U	mg/kg
Metals	Cadmium	CCB 14:08	09/28/2015	0.018 J	SO-11109615-SB3(13-13.5)-092315-MD-006	0.061 J	0.14 U	mg/kg
					SO-11109615-SB4(1-1.5)-092315-MD-007	0.055 J	0.17 U	mg/kg
					SO-11109615-SB4(7-7.5)-092315-MD-008	0.063 J	0.19 U	mg/kg
					SO-11109615-SB5(1.5-2)-092315-MD-009	0.059 J	0.17 U	mg/kg
					SO-11109615-SB5(5.5-6)-092315-MD-010	0.064 J	0.14 U	mg/kg
					SO-11109615-SB5(12.5-13)-092315-MD-011	0.059 J	0.15 U	mg/kg
					SO-11109615-SB6(1-1.5)-092315-MD-012	0.070 J	0.17 U	mg/kg
					SO-11109615-SB6(6-6.5)-092315-MD-013	0.050 J	0.14 U	mg/kg
					SO-11109615-SB6(12.5-13)-092315-MD-014	0.073 J	0.16 U	mg/kg
					SO-11109615-SB7(1-1.5)-092315-MD-015	0.064 J	0.16 U	mg/kg
					SO-11109615-SB7(8-8.5)-092315-MD-016	0.075 J	0.18 U	mg/kg
					SO-11109615-SB8(1-1.5)-092315-MD-017	0.045 J	0.16 U	mg/kg
Metals	Calcium	Prep Blank	09/25/2015	35.2 J	SO-11109615-SB1(9.5-10)-092215-MD-002	92 J	370 U	mg/kg
					SO-11109615-SB2(9-9.5)-092215-MD-004	63 J	430 U	mg/kg
					SO-11109615-SB3(13-13.5)-092315-MD-006	87 J	360 U	mg/kg
					SO-11109615-SB6(6-6.5)-092315-MD-013	140 J	360 U	mg/kg
Metals	Potassium	Prep Blank	09/25/2015	36.4 J	SO-11109615-SB3(13-13.5)-092315-MD-006	120 J	360 U	mg/kg
					SO-11109615-SB6(6-6.5)-092315-MD-013	180 J	360 U	mg/kg
Metals	Sodium	Prep Blank	09/25/2015	38.6 J	SO-11109615-SB1(9.5-10)-092215-MD-002	73 J	370 U	mg/kg
					SO-11109615-SB3(13-13.5)-092315-MD-006	20 J	360 U	mg/kg
					SO-11109615-SB4(1-1.5)-092315-MD-007	25 J	420 U	mg/kg
					SO-11109615-SB5(1.5-2)-092315-MD-009	58 J	420 U	mg/kg
					SO-11109615-SB5(12.5-13)-092315-MD-011	64 J	370 U	mg/kg

Table 5

Qualified Sample Results Due to Analyte Concentrations in the Inorganic Blanks
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Analyte	Blank ID	Analysis Date (mm/dd/yyyy)	Blank Result	Sample ID	Original Result	Qualified Result	Units
Metals (Continued)	Sodium	Prep Blank	09/25/2015	38.6 J	SO-11109615-SB5(5.5-6)-092315-MD-010	30 J	350 U	mg/kg
					SO-11109615-SB6(1-1.5)-092315-MD-012	30 J	410 U	mg/kg
					SO-11109615-SB6(12.5-13)-092315-MD-014	38 J	400 U	mg/kg
Metals	Cadmium	Prep Blank	09/25/2015	0.0258 J	SO-11109615-SB10(1-1.5)-092315-MD-021	0.12 J	0.17 U	mg/kg
					SO-11109615-SB10(8-8.5)-092315-MD-022	0.11 J	0.17 U	mg/kg
					SO-11109615-SB11(1.5-2)-092315-MD-023	0.13 J	0.16 U	mg/kg
					SO-11109615-SB11(8-8.5)-092315-MD-024	0.048 J	0.19 U	mg/kg
					SO-11109615-SB12(1-1.5)-092315-MD-025	0.079 J	0.16 U	mg/kg
					SO-11109615-SB12(8-8.5)-092315-MD-026	0.050 J	0.19 U	mg/kg
					SO-11109615-SB3(2.5-3)-092315-MD-027	0.047 J	0.19 U	mg/kg
					SO-11109615-SB8(8.5-9)-092315-MD-018	0.054 J	0.20 U	mg/kg
					SO-11109615-SB9(1-1.5)-092315-MD-019	0.12 J	0.19 U	mg/kg
					SO-11109615-SB9(8-8.5)-092315-MD-020	0.061 J	0.18 U	mg/kg
Metals	Cadmium	Prep Blank	09/28/2015	0.0334 J	SO-11109615-SB13(2-2.5)-092415-MD-030	0.082 J	0.18 U	mg/kg
					SO-11109615-SB15(3.5-4)-092415-MD-028	0.068 J	0.16 U	mg/kg
					SO-11109615-SB15(8.5-9)-092415-MD-029	0.040 J	0.17 U	mg/kg
Metals	Sodium	Prep Blank	09/28/2015	42.3 J	SO-11109615-SB15(3.5-4)-092415-MD-028	32 J	400 U	mg/kg
					SO-11109615-SB15(8.5-9)-092415-MD-029	40 J	430 U	mg/kg

Notes:

CCB - Continuing Calibration Blank
U - Not detected at the associated reporting limit
J - Estimated concentration

Table 6

Qualified Sample Data Due to Outlying of Surrogate Recoveries
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result	Units
SVOCs	SO-11109615-SB16(1.5-2)-092415-MD-035	2,4,6-Tribromophenol	5	10 - 110	4-Nitrophenol	R	µg/kg
					2,4-Dimethylphenol	R	µg/kg
					Phenol	R	µg/kg
					2,4-Dichlorophenol	R	µg/kg
					3&4-Methylphenol	R	µg/kg
					2,4-Dinitrophenol	R	µg/kg
					4,6-Dinitro-2-methylphenol	R	µg/kg
					4-Chloro-3-methylphenol	R	µg/kg
					Pentachlorophenol	R	µg/kg
					2,4,6-Trichlorophenol	R	µg/kg
					2-Nitrophenol	R	µg/kg
					2-Methylphenol	R	µg/kg
					2-Chlorophenol	R	µg/kg
					2,4,5-Trichlorophenol	R	µg/kg
VOCs	SO-11109615-SB10(1-1.5)-092315-MD-021	4-Bromofluorobenzene	169	52 - 136	1,4-Dichlorobenzene	0.40 J	µg/kg
					Toluene	0.34 J	µg/kg
					Acetone	30 J	µg/kg
					2-Butanone (Methyl ethyl ketone)	4.9 J	µg/kg
					Isopropyl benzene	0.31 J	µg/kg
VOCs	SO-11109615-SB12(1-1.5)-092315-MD-025	1,2-Dichloroethane-d4	125	58 - 123	Acetone	41 J	µg/kg
					2-Butanone (Methyl ethyl ketone)	7.0 J	µg/kg

Notes:

J - Estimated concentration
R - Rejected
VOCs - Volatile Organic Compounds
SVOCs - Semi-volatile Organic Compounds

Table 7

Qualified Sample Results Due to Outlying Laboratory Control Sample Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Analyte	LCS Date (mm/dd/yyyy)	LCS % Recovery	Control Limits % Recovery	Associated Sample ID	Qualified Results	Units
VOCs	Acetone	09/25/2015	141	41 - 137	SO-11109615-SB2(0.5-1)-092215-MD-003	20 J	µg/kg
VOCs	Methylene chloride	09/30/2015	128	75 - 120	SO-11109615-SB12(8-8.5)-092315-MD-026	11 J	µg/kg
					SO-11109615-SB14(2-2.5)-092415-MD-033	13 J	µg/kg

Notes:

LCS - Laboratory Control Sample
J - Estimated concentration
VOCs - Volatile Organic Compounds

Table 8

Qualified Sample Results Due to Outlying MS/MSD Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
SVOCs	SO-11109615-SB19(9-9.5)-092415-MD-040	Hexachlorocyclopentadiene	10	9	5	10 - 110	79	R	µg/kg
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Antimony	33	31	6	75-125	20	0.98 UJ	mg/kg
	SO-11109615-SB1(9.5-10)-092215-MD-002							0.74 UJ	mg/kg
	SO-11109615-SB2(0.5-1)-092215-MD-003							0.91 UJ	mg/kg
	SO-11109615-SB2(9-9.5)-092215-MD-004							0.87 UJ	mg/kg
	SO-11109615-SB3(1-1.5)-092315-MD-005							0.81 UJ	mg/kg
	SO-11109615-SB3(13-13.5)-092315-MD-006							0.71 UJ	mg/kg
	SO-11109615-SB4(1-1.5)-092315-MD-007							0.84 UJ	mg/kg
	SO-11109615-SB4(7-7.5)-092315-MD-008							0.93 UJ	mg/kg
	SO-11109615-SB5(1.5-2)-092315-MD-009							0.85 UJ	mg/kg
	SO-11109615-SB5(12.5-13)-092315-MD-011							0.74 UJ	mg/kg
	SO-11109615-SB5(5.5-6)-092315-MD-010							0.71 UJ	mg/kg
	SO-11109615-SB6(1-1.5)-092315-MD-012							0.83 UJ	mg/kg
	SO-11109615-SB6(12.5-13)-092315-MD-014							0.79 UJ	mg/kg
	SO-11109615-SB6(6-6.5)-092315-MD-013							0.71 UJ	mg/kg
	SO-11109615-SB7(1-1.5)-092315-MD-015							0.81 UJ	mg/kg
	SO-11109615-SB7(8-8.5)-092315-MD-016							0.92 UJ	mg/kg
	SO-11109615-SB8(1-1.5)-092315-MD-017							0.80 UJ	mg/kg
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Magnesium	346*	196*	55	75-125	20	840 J	mg/kg
	SO-11109615-SB1(9.5-10)-092215-MD-002							560 J	mg/kg
	SO-11109615-SB2(0.5-1)-092215-MD-003							530 J	mg/kg
	SO-11109615-SB2(9-9.5)-092215-MD-004							630 J	mg/kg
	SO-11109615-SB3(1-1.5)-092315-MD-005							640 J	mg/kg
	SO-11109615-SB3(13-13.5)-092315-MD-006							130 J	mg/kg
	SO-11109615-SB4(1-1.5)-092315-MD-007							580 J	mg/kg
	SO-11109615-SB4(7-7.5)-092315-MD-008							520 J	mg/kg
	SO-11109615-SB5(1.5-2)-092315-MD-009							370 J	mg/kg
	SO-11109615-SB5(12.5-13)-092315-MD-011							3800 J	mg/kg
	SO-11109615-SB5(5.5-6)-092315-MD-010							290 J	mg/kg
	SO-11109615-SB6(1-1.5)-092315-MD-012							640 J	mg/kg
	SO-11109615-SB6(12.5-13)-092315-MD-014							820 J	mg/kg
	SO-11109615-SB6(6-6.5)-092315-MD-013							280 J	mg/kg
	SO-11109615-SB7(1-1.5)-092315-MD-015							730 J	mg/kg
	SO-11109615-SB7(8-8.5)-092315-MD-016							590 J	mg/kg
	SO-11109615-SB8(1-1.5)-092315-MD-017							940 J	mg/kg

Table 8

Qualified Sample Results Due to Outlying MS/MSD Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Mercury	0.19*	0.24*	23	75-125	20	0.057 J	mg/kg
	SO-11109615-SB2(0.5-1)-092215-MD-003							0.071 J	mg/kg
Metals	SO-11109615-SB8(8.5-9)-092315-MD-018	Antimony	43	40	7	75-125	20	1.0 UJ	mg/kg
	SO-11109615-SB10(1-1.5)-092315-MD-021							0.84 UJ	mg/kg
	SO-11109615-SB10(8-8.5)-092315-MD-022							0.87 UJ	mg/kg
	SO-11109615-SB11(1.5-2)-092315-MD-023							0.81 UJ	mg/kg
	SO-11109615-SB11(8-8.5)-092315-MD-024							0.94 UJ	mg/kg
	SO-11109615-SB12(1-1.5)-092315-MD-025							0.82 UJ	mg/kg
	SO-11109615-SB12(8-8.5)-092315-MD-026							0.93 UJ	mg/kg
	SO-11109615-SB3(2.5-3)-092315-MD-027							0.96 UJ	mg/kg
	SO-11109615-SB9(1-1.5)-092315-MD-019							0.95 UJ	mg/kg
	SO-11109615-SB9(8-8.5)-092315-MD-020							0.91 UJ	mg/kg
Metals	SO-11109615-SB13(6-6.5)-092415-MD-031	Antimony	36	37	3	75-125	20	0.81 UJ	mg/kg
	SO-11109615-SB20(1.5-2)-092415-MD-043							0.43 J	mg/kg
	SO-11109615-SB13(14.5-15)-092415-MD-032							0.78 UJ	mg/kg
	SO-11109615-SB14(2-2.5)-092415-MD-033							0.67 UJ	mg/kg
	SO-11109615-SB14(8-8.5)-092415-MD-034							0.94 UJ	mg/kg
	SO-11109615-SB16(1.5-2)-092415-MD-035							0.85 UJ	mg/kg
	SO-11109615-SB16(9-9.5)-092415-MD-036							0.84 UJ	mg/kg
	SO-11109615-SB17(1.5-2)-092415-MD-041							0.93 UJ	mg/kg
	SO-11109615-SB17(9-9.5)-092415-MD-042							0.86 UJ	mg/kg
	SO-11109615-SB18(1.5-2)-092415-MD-037							0.75 UJ	mg/kg
	SO-11109615-SB18(8-8.5)-092415-MD-038							0.85 UJ	mg/kg
	SO-11109615-SB19(1.5-2)-092415-MD-039							0.84 UJ	mg/kg
	SO-11109615-SB19(9-9.5)-092415-MD-040							0.98 UJ	mg/kg
	SO-11109615-SB20(9-9.5)-092415-MD-044							0.79 UJ	mg/kg
Metals	SO-11109615-SB13(6-6.5)-092415-MD-031	Iron	5420*	3310*	48	75-125	20	3700 J	mg/kg
	SO-11109615-SB13(14.5-15)-092415-MD-032							1900 J	mg/kg
	SO-11109615-SB14(2-2.5)-092415-MD-033							13000 J	mg/kg
	SO-11109615-SB14(8-8.5)-092415-MD-034							4100 J	mg/kg
	SO-11109615-SB16(1.5-2)-092415-MD-035							13000 J	mg/kg
	SO-11109615-SB16(9-9.5)-092415-MD-036							2300 J	mg/kg
	SO-11109615-SB17(1.5-2)-092415-MD-041							11000 J	mg/kg
	SO-11109615-SB17(9-9.5)-092415-MD-042							4400 J	mg/kg
	SO-11109615-SB18(1.5-2)-092415-MD-037							5300 J	mg/kg
	SO-11109615-SB18(8-8.5)-092415-MD-038							6700 J	mg/kg

Table 8

Qualified Sample Results Due to Outlying MS/MSD Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
Metals (Continued)	SO-11109615-SB19(1.5-2)-092415-MD-039	Iron	5420*	3310*	48	75-125	20	5000 J	mg/kg
	SO-11109615-SB19(9-9.5)-092415-MD-040							11000 J	mg/kg
	SO-11109615-SB20(1.5-2)-092415-MD-043							22000 J	mg/kg
	SO-11109615-SB20(9-9.5)-092415-MD-044							24000 J	mg/kg

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
R - Rejected
SVOCs - Semi-volatile Organic Compounds
* - Sample concentration. Recoveries not assessed.

Table 9

Qualified Sample Data Due to Outlying ICP Serial Dilution Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Serial Dilution Sample ID	Analyte	%D	Associated Sample ID	Qualified Result	Units
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Aluminum	15	SO-11109615-SB1(0.5-1)-092215-MD-001	17000 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	6800 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	14000 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	8300 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	14000 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	5300 J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	12000 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	10000 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	7900 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	8100 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	3000 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	4600 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	4400 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	2000 J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	16000 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	9500 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	5200 J	mg/kg
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Barium	12	SO-11109615-SB1(0.5-1)-092215-MD-001	43 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	11 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	49 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	8.9 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	57 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	9.9 J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	50 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	16 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	19 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	86 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	20 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	18 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	19 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	12 J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	50 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	14 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	27 J	mg/kg

Table 9

Qualified Sample Data Due to Outlying ICP Serial Dilution Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Serial Dilution Sample ID	Analyte	%D	Associated Sample ID	Qualified Result		Units
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Calcium	20	SO-11109615-SB1(0.5-1)-092215-MD-001	1600	J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002		J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	590	J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004		J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	810	J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006		J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	970	J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	660	J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	400	J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	1400	J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	790	J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	2100	J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	9100	J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013		J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	1700	J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	3000	J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	830	J	mg/kg
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Chromium	17	SO-11109615-SB1(0.5-1)-092215-MD-001	16	J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	11	J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	15	J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	17	J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	17	J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	8.2	J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	12	J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	14	J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	11	J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	29	J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	12	J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	12	J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	12	J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	8.7	J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	14	J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	13	J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	11	J	mg/kg

Table 9

Qualified Sample Data Due to Outlying ICP Serial Dilution Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Serial Dilution Sample ID	Analyte	%D	Associated Sample ID	Qualified Result	Units
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Iron	15	SO-11109615-SB1(0.5-1)-092215-MD-001	21000 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	13000 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	18000 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	17000 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	19000 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	22000 J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	14000 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	21000 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	16000 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	13000 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	8200 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	14000 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	8000 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	6100 J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	16000 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	21000 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	8000 J	mg/kg
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Magnesium	18	SO-11109615-SB1(0.5-1)-092215-MD-001	840 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	560 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	530 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	630 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	640 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	130 J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	580 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	520 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	370 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	3800 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	290 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	640 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	820 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	280 J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	730 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	590 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	940 J	mg/kg

Table 9

Qualified Sample Data Due to Outlying ICP Serial Dilution Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Serial Dilution Sample ID	Analyte	%D	Associated Sample ID	Qualified Result	Units
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Manganese	14	SO-11109615-SB1(0.5-1)-092215-MD-001	210 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	230 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	330 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	250 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	480 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	73 J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	280 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	130 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	180 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	230 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	260 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	210 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	190 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	190 J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	260 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	110 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	100 J	mg/kg
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Potassium	17	SO-11109615-SB1(0.5-1)-092215-MD-001	850 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	470 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	1900 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	2500 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	820 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	400 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	410 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	400 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	3600 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	190 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	370 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	290 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	510 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	350 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	860 J	mg/kg

Table 9

Qualified Sample Data Due to Outlying ICP Serial Dilution Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Serial Dilution Sample ID	Analyte	%D	Associated Sample ID	Qualified Result	Units
Metals	SO-11109615-SB1(0.5-1)-092215-MD-001	Vanadium	14	SO-11109615-SB1(0.5-1)-092215-MD-001	47 J	mg/kg
				SO-11109615-SB1(9.5-10)-092215-MD-002	20 J	mg/kg
				SO-11109615-SB2(0.5-1)-092215-MD-003	41 J	mg/kg
				SO-11109615-SB2(9-9.5)-092215-MD-004	32 J	mg/kg
				SO-11109615-SB3(1-1.5)-092315-MD-005	42 J	mg/kg
				SO-11109615-SB3(13-13.5)-092315-MD-006	9.5 J	mg/kg
				SO-11109615-SB4(1-1.5)-092315-MD-007	32 J	mg/kg
				SO-11109615-SB4(7-7.5)-092315-MD-008	34 J	mg/kg
				SO-11109615-SB5(1.5-2)-092315-MD-009	26 J	mg/kg
				SO-11109615-SB5(12.5-13)-092315-MD-011	31 J	mg/kg
				SO-11109615-SB5(5.5-6)-092315-MD-010	16 J	mg/kg
				SO-11109615-SB6(1-1.5)-092315-MD-012	21 J	mg/kg
				SO-11109615-SB6(12.5-13)-092315-MD-014	16 J	mg/kg
				SO-11109615-SB6(6-6.5)-092315-MD-013	13 J	mg/kg
				SO-11109615-SB7(1-1.5)-092315-MD-015	39 J	mg/kg
				SO-11109615-SB7(8-8.5)-092315-MD-016	33 J	mg/kg
				SO-11109615-SB8(1-1.5)-092315-MD-017	17 J	mg/kg
Metals	SO-11109615-SB8(8.5-9)-092315-MD-018	Potassium	11	SO-11109615-SB8(8.5-9)-092315-MD-018	470 J	mg/kg
				SO-11109615-SB10(1-1.5)-092315-MD-021	400 J	mg/kg
				SO-11109615-SB10(8-8.5)-092315-MD-022	370 J	mg/kg
				SO-11109615-SB11(1.5-2)-092315-MD-023	1300 J	mg/kg
				SO-11109615-SB11(8-8.5)-092315-MD-024	360 J	mg/kg
				SO-11109615-SB12(1-1.5)-092315-MD-025	790 J	mg/kg
				SO-11109615-SB12(8-8.5)-092315-MD-026	300 J	mg/kg
				SO-11109615-SB3(2.5-3)-092315-MD-027	400 J	mg/kg
				SO-11109615-SB9(1-1.5)-092315-MD-019	480 J	mg/kg
				SO-11109615-SB9(8-8.5)-092315-MD-020	450 J	mg/kg
Metals	SO-11109615-SB13(6-6.5)-092415-MD-031	Potassium	16	SO-11109615-SB13(6-6.5)-092415-MD-031	350 J	mg/kg
				SO-11109615-SB13(14.5-15)-092415-MD-032	190 J	mg/kg
				SO-11109615-SB14(2-2.5)-092415-MD-033	1300 J	mg/kg
				SO-11109615-SB14(8-8.5)-092415-MD-034	470 J	mg/kg
				SO-11109615-SB16(1.5-2)-092415-MD-035	700 J	mg/kg
				SO-11109615-SB16(9-9.5)-092415-MD-036	350 J	mg/kg
				SO-11109615-SB17(1.5-2)-092415-MD-041	1500 J	mg/kg

Table 9

Qualified Sample Data Due to Outlying ICP Serial Dilution Results
Sub-Slab Investigation
RACER Fredericksburg, Virginia Facility
Fredericksburg, Virginia
September 2015

Parameter	Serial Dilution Sample ID	Analyte	%D	Associated Sample ID	Qualified Result	Units
Metals (Continued)	SO-11109615-SB13(6-6.5)-092415-MD-031	Potassium	16	SO-11109615-SB17(9-9.5)-092415-MD-042	480 J	mg/kg
				SO-11109615-SB18(1.5-2)-092415-MD-037	380 J	mg/kg
				SO-11109615-SB18(8-8.5)-092415-MD-038	360 J	mg/kg
				SO-11109615-SB19(1.5-2)-092415-MD-039	240 J	mg/kg
				SO-11109615-SB19(9-9.5)-092415-MD-040	490 J	mg/kg
				SO-11109615-SB20(1.5-2)-092415-MD-043	860 J	mg/kg
				SO-11109615-SB20(9-9.5)-092415-MD-044	700 J	mg/kg

Notes:

%D - Percent Difference
ICP - Inductively Coupled Plasma
J - Estimated concentration