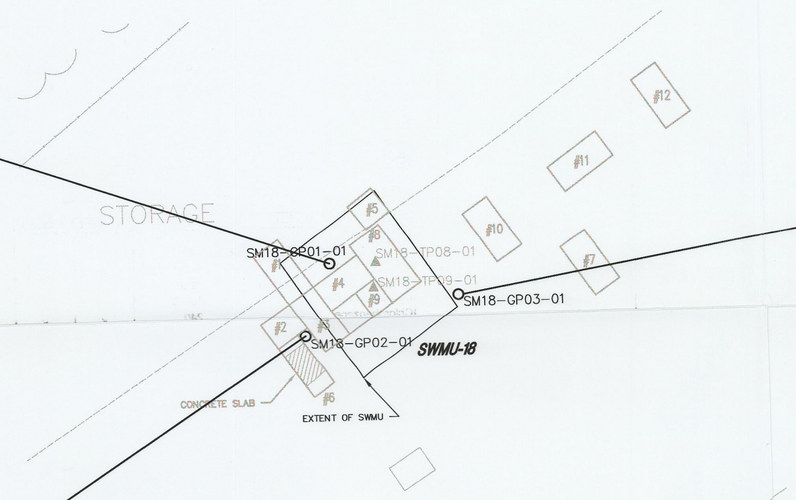
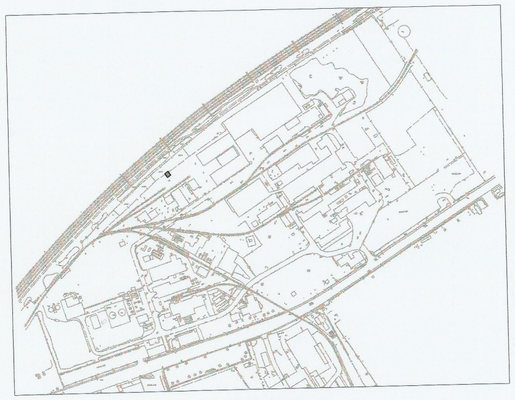
SM18-GP01-01 (8.0 - 12.0')		RBC EX	MCL EX
VOCs (µg/L)			
1,1,2-Trichloro-1,2,2-trifluoroethane	**60000**	✓	
1,2-Dichloroethane	**28000**	✓	✓
2-Butanone (MEK)	**34000 J**	✓	
4-Methyl-2-pentanone (MIBK)	**87000**	✓	
Carbon disulfide	**86000**	✓	
P-cymene (p-isopropyltoluene)	1500 J		
SVOCs (µg/L)			
4-Methylphenol (p-cresol)	4.3 J		
Hexachloroethane	**5.3 J**	✓	
Phenol	17 J		
PESTICIDES (µg/L)			
alpha-BHC	**0.098 J**	✓	
beta-BHC	**0.28 J**	✓	
delta-BHC	0.065 J		
p,p'-DDD	**0.31 J**	✓	
p,p'-DDT	**0.46 J**	✓	
METALS-Total (µg/L)			
Aluminum	350 K		
Barium	112 B		
Boron	541		
Calcium	45700		
Chromium	1.6 B		
Iron	**18500**	✓	
Magnesium	20900		
Manganese	**4600**	✓	
Potassium	2250 B		
Sodium	47400		
Zinc	12.2 B		
METALS-Dissolved (µg/L)			
Barium	106 B		
Boron	529		
Cadmium	0.5 B		
Calcium	45200		
Chromium	1.1 B		
Iron	**17700**	✓	
Magnesium	20500		
Manganese	**4610**	✓	
Potassium	2200 B		
Sodium	46500		
Zinc	10.3 B		
PCBs	ND		

SM18-GP02-01 (8.0 - 12.0)		RBC EX	MCL EX
VOCs (µg/L)			
1,1,2-Trichloro-1,2,2-trifluoroethane	870		
1,2-Dichlorobenzene	**170 J**	✓	
4-Methyl-2-pentanone (MIBK)	72 J		
Carbon disulfide	**190 B**	✓	
Chlorobenzene	**240**	✓	✓
cis-1,2-Dichloroethylene	**150 J**	✓	✓
Dichlorodifluoromethane	**160 J**	✓	
Total 1,2-dichloroethylene	160 J		
SVOCs	ND		
PESTICIDES (µg/L)			
beta-BHC	**0.081 J**	✓	
p,p'-DDD	0.24 J		
p,p'-DDT	**1.1 J**	✓	
METALS-Total (µg/L)			
Aluminum	**7020 K**	✓	
Arsenic	**7.6 B**	✓	
Barium	**388**	✓	
Beryllium	2.2 B		
Boron	2040		
Cadmium	0.94 B		
Calcium	49700		
Chromium	**38.9**	✓	
Cobalt	10.1 B		
Copper	17.9 B		
Iron	**80900**	✓	
Lead	**19.6**		✓
Magnesium	17900		
Manganese	**5480**	✓	
Mercury	0.11 L		
Nickel	20.9 B		
Potassium	2820 B		
Sodium	55300		
Vanadium	**68.7**	✓	
Zinc	122		
METALS-Dissolved (µg/L)			
Aluminum	88.4 K		
Barium	178 B		
Boron	2160		
Calcium	49400		
Chromium	1.5 B		
Iron	**63300**	✓	
Magnesium	16400		
Manganese	**5290**	✓	
Nickel	2.9 B		
Potassium	2730 B		
Selenium	4.2 B		
Sodium	57000		
Vanadium	5.2 B		
Zinc	16.8 B		
PCBs	ND		





PLAN VIEW

SCALE: 1"=600'

SM18-GP03-01 (8.0 - 12.0')		RBC EX	MCL EX
VOCs (µg/L)			
1,2-Dichlorobenzene	18		
Carbon disulfide	2.1 B		
cis-1,2-Dichloroethylene	2.7 J		
Total 1,2-dichloroethylene	2.8 J		
Trichloroethylene (TCE)	**1.3 J**	✓	
SVOCs (µg/L)			
bis(2-Ethylhexyl)phthalate	3 J		
PESTICIDES	ND		
METALS-Total (µg/L)			
Aluminum	1020 K		
Barium	142 B		
Boron	88.5 B		
Calcium	35900		
Chromium	6 B		
Cobalt	6.4 B		
Copper	6.5 B		
Iron	**19700**	✓	
Lead	4.9		
Magnesium	21600		
Manganese	**7340**	✓	
Nickel	4.9 B		
Potassium	1220 B		
Sodium	43500		
Vanadium	5.5 B		
Zinc	15 B		
METALS-Dissolved (µg/L)			
Barium	118 B		
Boron	85.1 B		
Calcium	35400		
Chromium	0.92 B		
Cobalt	4.1 B		
Iron	**15500**	✓	
Magnesium	21300		
Manganese	**7340**	✓	
Potassium	1170 B		
Selenium	4.7 B		
Sodium	43200		
Zinc	6.8 B		
PCBs	ND		

Qualifers:

B = Not detected substantially above the level reported in laboratory or field blanks.
BE = Not detected substantially above the level reported in laboratory or field blanks and calibration was exceeded.
D = Sample was diluted and reanalyzed.
DJ= The reported concentration for this analyte has been diluted and is an estimated value.
E = Calibration was exceeded. The sample was not reanalyzed at a dilution.
J = The reported concentration for this analyte is an estimated value.
K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

LEGEND

- TEST PIT SOIL SAMPLE LOCATION
- GEOPROBE GROUNDWATER SAMPLE LOCATION
- EXTENT OF SOLID WASTE MANAGEMENT UNIT (SWMU)
- TEST PIT LOCATION
- OBJECT ENCOUNTERED IN TEST PIT

RBC EX – TAPWATER RISK BASED CONCENTRATION EXCEEDANCE

MCL EX – MAXIMUM CONTAMINANT LEVEL EXCEEDANCE

north

0 5 10 20

SCALE: FEET 1"=20'

RFI REPORT
DELAWARE VALLEY WORKS FACILITY
CLAYMONT, DELAWARE

SWMU 18 GROUNDWATER SAMPLE LOCATIONS AND ANALYTICAL DETECTIONS

MWH

FIGURE 19

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