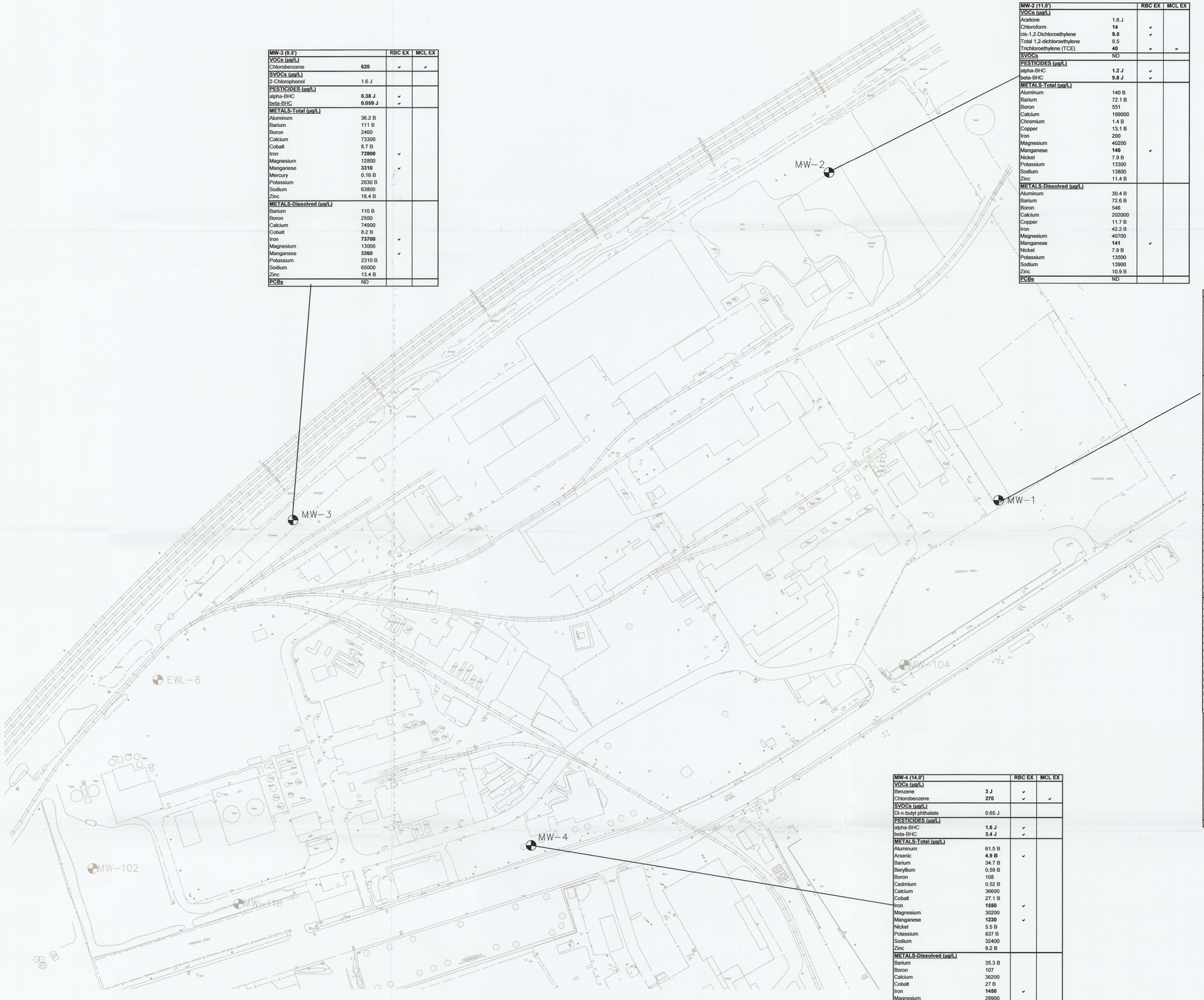

MW-3 (9.5')		RBC EX	MCL EX
VOCs (µg/L)			
Chlorobenzene	**620**	✓	✓
SVOCs (µg/L)			
2-Chlorophenol	1.6 J		
PESTICIDES (µg/L)			
alpha-BHC	**0.38 J**	✓	
beta-BHC	**0.059 J**	✓	
METALS-Total (µg/L)			
Aluminum	36.2 B		
Barium	111 B		
Boron	2460		
Calcium	73300		
Cobalt	8.7 B		
Iron	**72800**	✓	
Magnesium	12800		
Manganese	**3310**	✓	
Mercury	0.16 B		
Potassium	2030 B		
Sodium	63800		
Zinc	18.4 B		
METALS-Dissolved (ug/L)			
Barium	110 B		
Boron	2500		
Calcium	74900		
Cobalt	8.2 B		
Iron	**73700**	✓	
Magnesium	13000		
Manganese	**3360**	✓	
Potassium	2310 B		
Sodium	65000		
Zinc	13.4 B		
PCBs	ND		

MW-2 (11.0')		RBC EX	MCL EX
VOCs (µg/L)			
Acetone	1.6 J		
Chloroform	**14**	✓	
cis-1,2-Dichloroethylene	**9.5**	✓	
Total 1,2-dichloroethylene	9.5		
Trichloroethylene (TCE)	**40**	✓	✓
SVOCs	ND		
PESTICIDES (µg/L)			
alpha-BHC	**1.2 J**	✓	
beta-BHC	**9.8 J**	✓	
METALS-Total (µg/L)			
Aluminum	140 B		
Barium	72.1 B		
Boron	551		
Calcium	199000		
Chromium	1.4 B		
Copper	13.1 B		
Iron	200		
Magnesium	40200		
Manganese	**140**	✓	
Nickel	7.9 B		
Potassium	13300		
Sodium	13800		
Zinc	11.4 B		
METALS-Dissolved (µg/L)			
Aluminum	30.4 B		
Barium	72.6 B		
Boron	546		
Calcium	202000		
Copper	11.7 B		
Iron	42.2 B		
Magnesium	40700		
Manganese	**141**	✓	
Nickel	7.9 B		
Potassium	13500		
Sodium	13900		
Zinc	10.9 B		
PCBs	ND		

LEGEND

MONITORING WELL LOCATION

MW-1 (14')		RBC EX	MCL EX
VOCs (µg/L)			
1,1,2-Trichloro-1,2,2-trifluoroethane	**36000**	✓	
Acetone	**13000 L**	✓	
Chloroform	**41000**	✓	
cis-1,2-Dichloroethylene	**3500 J**	✓	✓
Methylene chloride	**440000**	✓	✓
Naphthalene	**4800 B**	✓	
Tetrachloroethylene (PCE)	**19000 J**	✓	✓
Tetrahydrofuran	**87000 J**	✓	
Total 1,2-dichloroethylene	3500 J		
Trichloroethylene (TCE)	**6600 J**	✓	✓
SVOCs (µg/L)			
1,2,4-Trichlorobenzene	**1.4 J**	✓	
1,2-Dichlorobenzene	**4300 D**	✓	✓
1,3-Dichlorobenzene	**23**	✓	
1,4-Dichlorobenzene	**600 E**	✓	✓
2,4-Dichlorophenol	6.8 J		
2,4-Dimethylphenol	3.3 J		
2-Methylnaphthalene	0.8 J		
2-Methylphenol (o-cresol)	6.7 J		
4-Methylphenol (p-cresol)	15		
Acetophenone	**5.5 J**	✓	
Aniline	6.5 J		
Benzoic Acid	150 E		
n-Nitrosodiphenylamine	0.76 J		
n-Nitrosomorpholine	3.9 J		
Naphthalene	**190 E**	✓	
o-Toluidine	**2.1 J**	✓	
Phenol	**24000 D**	✓	
PESTICIDES (µg/L)			
Aldrin	**0.087 J**	✓	
Alpha endosulfan	0.08 J		
alpha-BHC	**0.19 J**	✓	
Beta endosulfan	0.12 J		
beta-BHC	**0.5 J**	✓	
delta-BHC	0.17 J		
Dieldrin	**0.28 J**	✓	
gamma-BHC (Lindane)	**0.13 J**	✓	
Heptachlor	**0.12 J**	✓	
p,p'-DDD	0.15 J		
p,p'-DDE	0.16 J		
p,p'-DDT	**0.21 J**	✓	
METALS-Total (µg/L)			
Aluminum	120 B		
Arsenic	**102**	✓	✓
Barium	157 B		
Boron	33800		
Calcium	246000		
Chromium	3.8 B		
Copper	5.4 B		
Iron	**302000**	✓	
Lead	1.9 B		
Magnesium	126000		
Manganese	**8870**	✓	
Mercury	0.13 B		
Potassium	45000		
Sodium	208000		
Zinc	4.7 B		
METALS-Dissolved (µg/L)			
Aluminum	48.1 B		
Antimony	**4.8 B**	✓	
Arsenic	**68.7**	✓	✓
Barium	149 B		
Boron	37300		
Calcium	237000		
Chromium	2 B		
Copper	4.6 B		
Iron	**288000**	✓	
Magnesium	120000		
Manganese	**5540**	✓	
Potassium	44200		
Sodium	230000		
Zinc	3.7 B		
PCBs	ND		

MW-1A (14')		RBC EX	MCL EX
VOCs (µg/L)			
1,1,2-Trichloro-1,2,2-trifluoroethane	**36000**	✓	
2-Butanone (MEK)	**3600 J**	✓	
Acetone	**14000 L**	✓	
Chloroform	**41000**	✓	
cis-1,2-Dichloroethylene	**3200 J**	✓	✓
Methylene chloride	**440000**	✓	✓
Tetrachloroethylene (PCE)	**19000 J**	✓	✓
Tetrahydrofuran	**92000 J**	✓	
Total 1,2-dichloroethylene	3200 J		
Trichloroethylene (TCE)	**6600 J**	✓	✓
SVOCs (µg/L)			
1,2,4-Trichlorobenzene	**1.2 J**	✓	
1,2-Dichlorobenzene	**4400 D**	✓	✓
1,3-Dichlorobenzene	**23**	✓	
1,4-Dichlorobenzene	**570 E**	✓	✓
2,4-Dichlorophenol	6.2 J		
2,4-Dimethylphenol	3.3 J		
2-Methylnaphthalene	0.78 J		
2-Methylphenol (o-cresol)	6.8 J		
4-Methylphenol (p-cresol)	15		
Acetophenone	**4.9 J**	✓	
Aniline	6.3 J		
Benzoic Acid	35		
Dimethyl phthalate	0.64 J		
n-Nitrosodiphenylamine	0.7 J		
n-Nitrosomorpholine	4 J		
Naphthalene	**150 E**	✓	
o-Toluidine	**5.3 J**	✓	
Phenol	**26000 D**	✓	
PESTICIDES (µg/L)			
Aldrin	**0.085 J**	✓	
Alpha endosulfan	0.07 J		
alpha-BHC	**0.21 J**	✓	
Beta endosulfan	0.11 J		
beta-BHC	**0.38 J**	✓	
delta-BHC	0.24 J		
Dieldrin	**0.2 J**	✓	
Endrin	0.12 J		
gamma-BHC (Lindane)	**0.093 J**	✓	
Heptachlor	**0.072 J**	✓	
Heptachlor epoxide	**0.075 J**	✓	
p,p'-DDD	0.14 J		
p,p'-DDE	0.18 J		
p,p'-DDT	0.16 J		
METALS-Total (µg/L)			
Aluminum	93.4 B		
Antimony	**5.9 B**	✓	
Arsenic	**99.7**	✓	✓
Barium	153 B		
Boron	36300		
Calcium	239000		
Chromium	3.5 B		
Copper	5.3 B		
Iron	**294000**	✓	
Magnesium	122000		
Manganese	**5670**	✓	
Potassium	43700		
Sodium	226000		
Zinc	5 B		
METALS-Dissolved (µg/L)			
Aluminum	48.1 B		
Antimony	**6.4 B**	✓	✓
Arsenic	**105**	✓	✓
Barium	164 B		
Boron	41300		
Calcium	262000		
Chromium	3.3 B		
Copper	4.8 B		
Iron	**315000**	✓	
Lead	1.7 B		
Magnesium	131000		
Manganese	**6060**	✓	
Mercury	0.12 B		
Potassium	49100		
Sodium	254000		
Zinc	5 B		
PCBs	ND		

MW-4 (14.0')		RBC EX	MCL EX
VOCs (µg/L)			
Benzene	**3 J**	✓	
Chlorobenzene	**270**	✓	✓
SVOCs (µg/L)			
Di-n-butyl phthalate	0.65 J		
PESTICIDES (µg/L)			
alpha-BHC	**1.6 J**	✓	
beta-BHC	**3.4 J**	✓	
METALS-Total (µg/L)			
Aluminum	61.5 B		
Arsenic	**4.9 B**	✓	
Barium	34.7 B		
Beryllium	0.59 B		
Boron	108		
Cadmium	0.52 B		
Calcium	36600		
Cobalt	27.1 B		
Iron	**1550**	✓	
Magnesium	30200		
Manganese	**1230**	✓	
Nickel	5.5 B		
Potassium	837 B		
Sodium	32400		
Zinc	9.2 B		
METALS-Dissolved (µg/L)			
Barium	35.3 B		
Boron	107		
Calcium	36200		
Cobalt	27 B		
Iron	**1450**	✓	
Magnesium	29900		
Manganese	**1220**	✓	
Nickel	5.9 B		
Potassium	800 B		
Sodium	32700		
Zinc	10.5 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.

RBC EX – TAPWATER RISK BASED CONCENTRATION EXCEEDANCE

MCL EX – MAXIMUM CONTAMINANT LEVEL EXCEEDANCE

NOTE:

DUPLICATE SAMPLES ARE DESIGNATED WITH AN "A" SUFFIX (i.e. MW-1A IS A DUPLICATE OF MW-1).

0 25 50 100
SCALE: FEET
1"=100'

RFI REPORT
DELAWARE VALLEY WORKS FACILITY
CLAYMONT, DELAWARE

MONITORING WELL GROUNDWATER SAMPLE ANALYTICAL DETECTIONS

MWH

FIGURE 23