

HW-36

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/10/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW36n-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW36n	1-Propanol	10,000.00 U ug/L					
HW36n-P	1-Propanol	10,000.00 U ug/L					
HW36n	2-Butanol	10,000.00 U ug/L					
HW36n-P	2-Butanol	10,000.00 U ug/L					
HW36n	Ethanol	10,000.00 U ug/L					
HW36n-P	Ethanol	10,000.00 U ug/L					
HW36n	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW36n-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW36n-P	Anionic Surfactants	0.01 U mg/L					
HW36n	Heterotrophic Plate Count	R cfu/1mL					
HW36n-P	Heterotrophic Plate Count	R cfu/1mL					
HW36n	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW36n-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW36n	Ethane	1.20 U ug/L					
HW36n-P	Ethane	1.20 U ug/L					
HW36n	Ethene	1.10 U ug/L					
HW36n-P	Ethene	1.10 U ug/L					
HW36n	Methane	1.20 U ug/L	28,000.00 ug/L				
HW36n-P	Methane	1.20 U ug/L	28,000.00 ug/L				
HW36n	2-Butoxyethanol	5.00 U ug/L					
HW36n-P	2-Butoxyethanol	5.00 U ug/L					
HW36n	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	2-Methoxyethanol	R ug/L	78.00 ug/L				
HW36n-P	2-Methoxyethanol	57.10 U ug/L	78.00 ug/L				
HW36n-P	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW36n	Diethylene Glycol	25.00 U ug/L	8,000.00 ug/L				
HW36n-P	Diethylene Glycol	25.00 U ug/L	8,000.00 ug/L				
HW36n	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW36n-P	Ethylene Glycol	10.00 U mg/L	31,000.00 ug/L				
HW36n	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW36n-P	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW36n	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW36n-P	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW36n	Bromide	0.50 U mg/L					
HW36n-P	Bromide	0.50 U mg/L					
HW36n	Chloride	1.04 mg/L			250.00 mg/L		250.00 mg/L
HW36n-P	Chloride	1.04 mg/L			250.00 mg/L		250.00 mg/L
HW36n	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW36n-P	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW36n	Sulfate	13.20 mg/L			250.00 mg/L		250.00 mg/L
HW36n-P	Sulfate	13.20 mg/L			250.00 mg/L		250.00 mg/L
HW36n	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW36n-F	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW36n-P	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW36n-PF	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW36n	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW36n-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW36n-P	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW36n-PF	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW36n	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW36n-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-P	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW36n-PF	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW36n	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW36n-F	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW36n-P	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW36n-PF	Arsenic	1.00 U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW36n	Barium	154.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW36n-F	Barium	159.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW36n-P	Barium	151.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW36n-PF	Barium	145.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW36n	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW36n-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW36n-P	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW36n-PF	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW36n	Boron	50.00 U ug/L	3,100.00 ug/L				
HW36n-F	Boron	50.00 U ug/L	3,100.00 ug/L				
HW36n-P	Boron	50.00 U ug/L	3,100.00 ug/L				
HW36n-PF	Boron	50.00 U ug/L	3,100.00 ug/L				
HW36n	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW36n-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW36n-P	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW36n-PF	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW36n	Calcium	24,900.00 ug/L					
HW36n-F	Calcium	25,400.00 ug/L					
HW36n-P	Calcium	25,000.00 ug/L					
HW36n-PF	Calcium	24,900.00 ug/L					
HW36n	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW36n-F	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW36n-P	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-PF	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW36n	Cobalt	1.00 U ug/L	4.70 ug/L				
HW36n-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW36n-P	Cobalt	1.00 U ug/L	4.70 ug/L				
HW36n-PF	Cobalt	1.00 U ug/L	4.70 ug/L				
HW36n	Copper	2.70 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW36n-F	Copper	2.00 U ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW36n-P	Copper	5.30 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW36n-PF	Copper	4.60 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW36n	Iron	172.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW36n-F	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW36n-P	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW36n-PF	Iron	100.00 U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW36n	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW36n-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW36n-P	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW36n-PF	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW36n	Lithium	200.00 U ug/L	31.00 ug/L				
HW36n-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW36n-P	Lithium	200.00 U ug/L	31.00 ug/L				
HW36n-PF	Lithium	200.00 U ug/L	31.00 ug/L				
HW36n	Magnesium	2,970.00 ug/L					
HW36n-F	Magnesium	3,050.00 ug/L					
HW36n-P	Magnesium	2,990.00 ug/L					
HW36n-PF	Magnesium	2,990.00 ug/L					
HW36n	Manganese	2.10 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW36n-F	Manganese	1.20 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW36n-P	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW36n-PF	Manganese	1.00 U ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	Nickel	1.10 ug/L	300.00 ug/L				
HW36n-F	Nickel	1.10 ug/L	300.00 ug/L				
HW36n-P	Nickel	1.20 ug/L	300.00 ug/L				
HW36n-PF	Nickel	1.10 ug/L	300.00 ug/L				
HW36n	Potassium	2,000.00 U ug/L					
HW36n-F	Potassium	2,000.00 U ug/L					
HW36n-P	Potassium	2,000.00 U ug/L					
HW36n-PF	Potassium	2,000.00 U ug/L					
HW36n	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW36n-F	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW36n-P	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW36n-PF	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW36n	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW36n-F	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW36n-P	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW36n-PF	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW36n	Sodium	2,830.00 ug/L	20,000.00 ug/L				
HW36n-F	Sodium	2,860.00 ug/L	20,000.00 ug/L				
HW36n-P	Sodium	2,820.00 ug/L	20,000.00 ug/L				
HW36n-PF	Sodium	2,750.00 ug/L	20,000.00 ug/L				
HW36n	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW36n-F	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW36n-P	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW36n-PF	Strontium	200.00 U ug/L	9,300.00 ug/L				
HW36n	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW36n-F	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW36n-P	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW36n-PF	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW36n	Tin	200.00 U ug/L	9,300.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-F	Tin	200.00 U ug/L	9,300.00 ug/L				
HW36n-P	Tin	200.00 U ug/L	9,300.00 ug/L				
HW36n-PF	Tin	200.00 U ug/L	9,300.00 ug/L				
HW36n	Titanium	200.00 U ug/L					
HW36n-F	Titanium	200.00 U ug/L					
HW36n-P	Titanium	200.00 U ug/L					
HW36n-PF	Titanium	200.00 U ug/L					
HW36n	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW36n-F	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW36n-P	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW36n-PF	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW36n	Vanadium	5.00 U ug/L	78.00 ug/L				
HW36n-F	Vanadium	5.00 U ug/L	78.00 ug/L				
HW36n-P	Vanadium	5.00 U ug/L	78.00 ug/L				
HW36n-PF	Vanadium	5.00 U ug/L	78.00 ug/L				
HW36n	Zinc	2.30 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW36n-F	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW36n-P	Zinc	2.50 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW36n-PF	Zinc	2.60 ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW36n	Oil and Grease	5.30 UJ mg/L					
HW36n-P	Oil and Grease	5.20 UJ mg/L					
HW36n	Total Dissolved Solids	38.00 mg/L			500.00 mg/L		500.00 mg/L
HW36n-P	Total Dissolved Solids	97.00 mg/L			500.00 mg/L		500.00 mg/L
HW36n	Total Suspended Solids	10.00 U mg/L					
HW36n-P	Total Suspended Solids	10.00 U mg/L					
HW36n	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW36n-P	1-Methylnaphthalene	4.76 U ug/L	97.00 ug/L				
HW36n	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW36n-P	Acenaphthene	4.76 U ug/L	400.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	Acenaphthylene	5.00 U ug/L					
HW36n-P	Acenaphthylene	4.76 U ug/L					
HW36n	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW36n-P	Acetophenone	4.76 U ug/L	1,500.00 ug/L				
HW36n	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW36n-P	Anthracene	4.76 U ug/L	1,300.00 ug/L				
HW36n	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW36n-P	Atrazine	4.76 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW36n	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW36n-P	Benzo(a)anthracene	4.76 U ug/L	2.90 ug/L				
HW36n	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW36n-P	Benzo(a)pyrene	4.76 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW36n	Biphenyl	5.00 U ug/L					
HW36n-P	Biphenyl	4.76 U ug/L					
HW36n	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW36n-P	Bromophenyl-4 Phenyl Ether	4.76 U ug/L					
HW36n	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW36n-P	Butylbenzyl phthalate	4.76 U ug/L	1,400.00 ug/L				
HW36n	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW36n-P	Caprolactam	4.76 U ug/L	7,700.00 ug/L				
HW36n	Carbazole	5.00 U ug/L					
HW36n-P	Carbazole	4.76 U ug/L					
HW36n	Chlorobenzamine-4	5.00 UJ ug/L	3.20 ug/L				
HW36n-P	Chlorobenzamine-4	4.76 U ug/L	3.20 ug/L				
HW36n	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW36n-P	Chloronaphthalene-2	4.76 U ug/L	550.00 ug/L				
HW36n	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW36n-P	Chlorophenol-2	4.76 U ug/L	71.00 ug/L				
HW36n	Chlorophenyl-4 phenyl ether	5.00 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-P	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW36n	Chrysene	5.00 U ug/L	290.00 ug/L				
HW36n-P	Chrysene	4.76 U ug/L	290.00 ug/L				
HW36n	Cresol, parachloro meta-	5.00 U ug/L					
HW36n-P	Cresol, parachloro meta-	4.76 U ug/L					
HW36n	Cresol-4,6-dinitro-ortho	10.00 UJ ug/L					
HW36n-P	Cresol-4,6-dinitro-ortho	57.10 U ug/L					
HW36n	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW36n-P	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW36n	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW36n-P	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW36n	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW36n-P	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW36n	Dibenzofuran	5.00 U ug/L					
HW36n-P	Dibenzofuran	0.01 J ug/L					
HW36n	Dichlorobenzidine-3,3'	R ug/L	11.00 ug/L				
HW36n-P	Dichlorobenzidine-3,3'	57.10 U ug/L	11.00 ug/L				
HW36n	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW36n-P	Dichlorophenol-2,4	4.76 U ug/L	35.00 ug/L				
HW36n	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW36n-P	Dimethylphenol, 2,4-	4.76 U ug/L	270.00 ug/L				
HW36n	Dinitrophenol-2,4	R ug/L	30.00 ug/L				
HW36n-P	Dinitrophenol-2,4	57.10 U ug/L	30.00 ug/L				
HW36n	Dinitrotoluene-2,4	5.00 U ug/L					
HW36n-P	Dinitrotoluene-2,4	4.76 U ug/L					
HW36n	Dinitrotoluene-2,6	5.00 U ug/L					
HW36n-P	Dinitrotoluene-2,6	4.76 U ug/L					
HW36n	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW36n-P	Ether, bis(2-chloroethyl)	4.76 U ug/L	1.20 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW36n-P	Ether-bis(2-chloroisopropyl)	4.76 U ug/L					
HW36n	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW36n-P	Fluoranthene	4.76 U ug/L	630.00 ug/L				
HW36n	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW36n-P	Fluoranthene benzo(k)	4.76 U ug/L	29.00 ug/L				
HW36n	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW36n-P	Fluoranthene-benzo(b)	4.76 U ug/L	5.60 ug/L				
HW36n	Fluorene	5.00 U ug/L	220.00 ug/L				
HW36n-P	Fluorene	0.02 J ug/L	220.00 ug/L				
HW36n	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW36n-P	Hexachlorobenzene	4.76 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW36n	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW36n	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW36n-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW36n-P	Hexachlorobutadiene	4.76 U ug/L	26.00 ug/L				
HW36n	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW36n-P	Hexachlorocyclopentadiene	4.76 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW36n	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW36n-P	Hexachloroethane	4.76 U ug/L	5.10 ug/L				
HW36n	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW36n-P	Isophorone	4.76 U ug/L	6,700.00 ug/L				
HW36n	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW36n-P	Methane, bis(2-chloroethoxy)	4.76 U ug/L	47.00 ug/L				
HW36n	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW36n-P	Methylnaphthalene-2	4.76 U ug/L	27.00 ug/L				
HW36n	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW36n	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW36n-P	Naphthalene	4.76 U ug/L	14.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-P	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW36n	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW36n-P	Nitroaniline, ortho	4.76 U ug/L	150.00 ug/L				
HW36n	Nitroaniline-3	5.00 U ug/L					
HW36n-P	Nitroaniline-3	4.76 U ug/L					
HW36n	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW36n-P	Nitrobenzenamine-4	4.76 U ug/L	61.00 ug/L				
HW36n	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW36n-P	Nitrobenzene	4.76 U ug/L	12.00 ug/L				
HW36n	Nitrophenol-2	5.00 U ug/L					
HW36n-P	Nitrophenol-2	4.76 U ug/L					
HW36n	Nitrophenol-4	10.00 U ug/L					
HW36n-P	Nitrophenol-4	9.52 U ug/L					
HW36n	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW36n-P	Nitrosodimethylamine-n	4.76 U ug/L	0.04 ug/L				
HW36n	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW36n-P	Nitrosodiphenylamine-n	4.76 U ug/L	1,000.00 ug/L				
HW36n	Pentachlorophenol	5.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW36n-P	Pentachlorophenol	4.76 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW36n	Perylene-benzo(ghi)	5.00 U ug/L					
HW36n-P	Perylene-benzo(ghi)	4.76 U ug/L					
HW36n	Phenanthrene	5.00 U ug/L					
HW36n-P	Phenanthrene	4.76 U ug/L					
HW36n	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW36n-P	Phenol	4.76 U ug/L	4,500.00 ug/L				
HW36n	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW36n-P	Phthalate, bis(2-ethylhexyl) (DEHP)	4.76 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW36n	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW36n-P	Phthalate, Dimethyl	4.76 U ug/L	1,400.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW36n-P	Phthalate, di-n-butyl-	4.76 U ug/L	670.00 ug/L				
HW36n	Phthalate, di-n-octyl	5.00 U ug/L					
HW36n-P	Phthalate, di-n-octyl	4.76 U ug/L					
HW36n	Phthalate-diethyl	0.01 J ug/L	11,000.00 ug/L				
HW36n-P	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW36n	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW36n-P	Propylamine,n-nitroso di-n-	4.76 U ug/L	0.93 ug/L				
HW36n	Pyrene	5.00 U ug/L	87.00 ug/L				
HW36n-P	Pyrene	4.76 U ug/L	87.00 ug/L				
HW36n	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW36n-P	Pyrene-indeno(1,2,3-cd)	4.76 U ug/L	3.00 ug/L				
HW36n	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW36n-P	Tetrachlorobenzene, 1,2,4,5-	4.76 U ug/L	1.20 ug/L				
HW36n	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW36n-P	Tetrachlorophenol, 2,3,4,6-	4.76 U ug/L	170.00 ug/L				
HW36n	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW36n-P	Trichlorophenol-2,4,5	4.76 U ug/L	890.00 ug/L				
HW36n	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW36n-P	Trichlorophenol-2,4,6	4.76 U ug/L	9.04 ug/L				
HW36n	TPH - Diesel Range Organics	250.00 U ug/L					
HW36n-P	TPH - Diesel Range Organics	250.00 U ug/L					
HW36n	TPH - Gasoline Range Organics	50.00 U ug/L					
HW36n-P	TPH - Gasoline Range Organics	50.00 U ug/L					
HW36n	TPH - Oil Range Organics	1,000.00 U ug/L					
HW36n-P	TPH - Oil Range Organics	1,000.00 U ug/L					
HW36n	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW36n-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW36n	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW36n	Acetone	2.00 U ug/L					
HW36n-P	Acetone	2.00 U ug/L					
HW36n	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n	Bromobenzene	0.50 U ug/L					
HW36n-P	Bromobenzene	0.50 U ug/L					
HW36n	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n-P	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n	Butylbenzene	0.50 U ug/L					
HW36n-P	Butylbenzene	0.50 U ug/L					
HW36n	Butylbenzene, sec-	0.50 U ug/L					
HW36n-P	Butylbenzene, sec-	0.50 U ug/L					
HW36n	Butylbenzene, tert-	0.50 U ug/L					
HW36n-P	Butylbenzene, tert-	0.50 U ug/L					
HW36n	Carbon disulfide	0.50 U ug/L					
HW36n-P	Carbon disulfide	0.50 U ug/L					
HW36n	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW36n-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW36n	Chlorobromomethane	0.50 U ug/L					
HW36n-P	Chlorobromomethane	0.50 U ug/L					
HW36n	Chloroethane	0.50 U ug/L					
HW36n-P	Chloroethane	0.50 U ug/L					
HW36n	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW36n-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW36n-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW36n	Cyclohexane	0.50 U ug/L					
HW36n-P	Cyclohexane	0.50 U ug/L					
HW36n	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW36n-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW36n	Dibromomethane	0.50 U ug/L					
HW36n-P	Dibromomethane	0.50 U ug/L					
HW36n	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW36n-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW36n	Dichlorobenzene-1,3	0.50 U ug/L					
HW36n-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW36n	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW36n-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW36n	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW36n	Dichlorodifluoromethane	0.50 U ug/L					
HW36n-P	Dichlorodifluoromethane	0.50 U ug/L					
HW36n	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW36n-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW36n	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW36n-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW36n	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW36n-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW36n	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW36n-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW36n	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW36n	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW36n-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW36n	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW36n-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW36n	Dichloropropane, 2,2-	0.50 U ug/L					
HW36n-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW36n	Dichloropropene, 1,1-	0.50 U ug/L					
HW36n-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW36n	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW36n-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW36n	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW36n-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW36n	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW36n-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW36n	Freon 113	0.50 U ug/L					
HW36n-P	Freon 113	0.50 U ug/L					
HW36n	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW36n-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW36n	Isopropylbenzene	0.50 U ug/L					
HW36n-P	Isopropylbenzene	0.50 U ug/L					
HW36n	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW36n-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW36n	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW36n-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW36n	Methyl acetate	0.50 U ug/L					
HW36n-P	Methyl acetate	0.50 U ug/L					
HW36n	Methyl bromide	0.50 U ug/L					
HW36n-P	Methyl bromide	0.50 U ug/L					

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n	Methyl chloride	0.50 U ug/L					
HW36n-P	Methyl chloride	0.50 U ug/L					
HW36n	Methyl cyclohexane	0.50 U ug/L					
HW36n-P	Methyl cyclohexane	0.50 U ug/L					
HW36n	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW36n-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW36n	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW36n-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW36n	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n	Propylbenzene-n	0.50 U ug/L					
HW36n-P	Propylbenzene-n	0.50 U ug/L					
HW36n	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW36n-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW36n	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW36n-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW36n	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW36n-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW36n	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW36n-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW36n	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW36n-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW36n	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW36n-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW36n	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW36n-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW36n	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW36n-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW36n	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW36n	Trichlorofluoromethane	0.50 U ug/L					
HW36n-P	Trichlorofluoromethane	0.50 U ug/L					
HW36n	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW36n-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW36n	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW36n-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW36n	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW36n-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW36n	Vinyl acetate	0.50 U ug/L					
HW36n-P	Vinyl acetate	0.50 U ug/L					
HW36n	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW36n-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW36n	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW36n-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW36n	Nitrogen, Nitrite + Nitrate	0.22 mg/L		10.00 mg/L		10.00 mg/L	
HW36n-P	Nitrogen, Nitrite + Nitrate	0.22 mg/L		10.00 mg/L		10.00 mg/L	
HW36n	Total Nitrogen	1.00 U mg/L					
HW36n-P	Total Nitrogen	1.00 U mg/L					
HW36n	Total Phosphorus as P	0.05 UJ mg/L					
HW36n-P	Total Phosphorus as P	0.05 U mg/L					

Sample Number – Code that is used to identify the particular sample. See additional information below:

HW## – Identifies the sample location and indicates that it was collected at well head or closest point to the well head.

F – Indicates that the sample was filtered following collection. The purpose of filtering the sample is to remove any particulates in order to find what metals are actually dissolved in the water sample.

Z – Identifies a duplicate sample. Duplicate samples are collected for every ten samples collected to test the reproducibility of sampling and analytical procedures.

P – Indicates that the sample was collected at the kitchen tap. In some cases this may be following any treatment that the residence may have.

A/B – Designates which residence the sample was collected for sample locations with multiple residences using the same water source (may be a well or a spring).

RO – Indicated that the sample was collected from a residence containing a reverse osmosis treatment system.

N – Designates that the sample was collected from the new well for locations with multiple wells.

Analyte – General term for a substance in the sample. The lab does testing to find specific analytes, or substance in the water sample. The report lists each analyte that the lab tested for and what amounts were found.

TPH - Total Petroleum Hydrocarbons

Result and Units – identifies the actual result for the particular analyte and the measurement used for the particular type of sample. The results may include the following units for the various water sample analyses:

µg /L – Micrograms per liter (abbreviated as µg /L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per billion or ppb. Drinking water results are usually reported in µg /L.

mg/L – Milligrams per liter (abbreviated as mg/L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per million or ppm.

cfu/100 mL – Total Coliform Bacteria results are reported as colony forming units (cfu) per milliliters of water. Coliform bacteria is not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present.

cfu/1mL – Heterotrophic Plate Count Bacteria (HPC) are reported as colony forming units (cfu) per milliliter of water. HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.

Absent or Present – Fecal Coliform Bacteria are reported as either being Absent or Present. Fecal Coliform Bacteria are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Disease-causing microbes (pathogens) in these wastes can cause diarrhea, cramps, nausea, headaches,

Trigger Level – established for this project, the trigger levels are based on risk-based screening levels and/or standards for public water supplies. A yellow highlighted result represents an analytical result greater than the established trigger level. Results exceeding a trigger level are referred to an EPA toxicologist for further review.

EPA Primary MCLs – the primary maximum contaminant levels (MCLs) are legally enforceable standards established under the Safe Drinking Water Act to protect public health by limiting the levels of contaminants in public drinking water systems. The MCL is the amount of an analyte (substance) that can be present in a water sample that the government considers acceptable to drink. EPA considers the MCLs when evaluating results from residential drinking water wells.

EPA Secondary MCLs - secondary MCLs are non-enforceable standards regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to public water systems, but does not require systems to comply. However, states may choose to adopt them as enforceable standards.

DEP MCLs (Primary and Secondary) – Chapter 109, Pennsylvania Safe Drinking Water Regulations, defines MCL as the maximum permissible level of a contaminant in water which is delivered to a user of a public water system, and includes the primary and secondary MCLs established under the Federal Safe Drinking Water Act, and MCLs adopted under the act.

* No more than 5.0% samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.

** EPA has not established an MCL for lead or copper. Lead and copper are regulated by a Treatment Technique that requires public drinking water systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water system must take additional steps. For lead, the action level is 15 ug/L, and for copper is 1,300 ug/L.

*** The DEP Primary MCLs for lead (5 ug/L) and copper (1,000 ug/L) are applicable only to bottled, vended, retail and bulk water hauling systems, otherwise the DEP uses the federal action levels for lead (15 ug/L), and for copper (1,300 ug/L).

Validation Result Qualifiers - EPA performs a quality check on the lab results. After this quality check, EPA may mark the measurement of certain analytes with a qualifier to give additional information about the measurement. This information can apply to 1) how certain EPA is that the lab detected the analyte and 2) how certain EPA is of the measurement of the analyte once detected. If there is no qualifier by the result, the detection and measurement of the analyte are certain

U – Indicates that the analyte was not detected. If there is a number next to the U, this number is the amount of analyte that would have to be present to be detected by the lab given the particular method and/or instrumentation.

J – This means that the analyte was detected, but the value of the result is an estimate.

UJ - The U before the J means that the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present.

R – Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotrophic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis. For semivolatiles organic compound analysis, non-detect data have been rejected due to low recoveries of required method quality control checks.

MDL – Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.

RL – Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve