

# HW-30

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 2/6/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW30	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW30-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW30	1-Propanol	10,000.00 U ug/L					
HW30-P	1-Propanol	10,000.00 U ug/L					
HW30	2-Butanol	10,000.00 U ug/L					
HW30-P	2-Butanol	10,000.00 U ug/L					
HW30	Ethanol	10,000.00 U ug/L					
HW30-P	Ethanol	10,000.00 U ug/L					
HW30	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW30-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW30	Anionic Surfactants	0.01 U mg/L					
HW30-P	Anionic Surfactants	0.01 U mg/L					
HW30	Heterotrophic Plate Count	R cfu/1mL					
HW30-P	Heterotrophic Plate Count	R cfu/1mL					
HW30	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW30-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW30	Ethane	1.20 U ug/L					
HW30-P	Ethane	1.20 U ug/L					
HW30	Ethene	1.10 U ug/L					
HW30-P	Ethene	1.10 U ug/L					
HW30	Methane	120.00 ug/L	28,000.00 ug/L				
HW30-P	Methane	92.00 ug/L	28,000.00 ug/L				
HW30	2-Butoxyethanol	5.00 U ug/L					
HW30-P	2-Butoxyethanol	5.00 U ug/L					

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW30	2-Methoxyethanol	5.00	UJ ug/L	78.00 ug/L				
HW30	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW30-P	2-Methoxyethanol	5.00	UJ ug/L	78.00 ug/L				
HW30-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW30	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW30-P	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW30	Ethylene Glycol	10.00	U mg/L	31,000.00 ug/L				
HW30	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW30-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW30	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW30-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW30	Bromide	0.50	U mg/L					
HW30-P	Bromide	0.50	U mg/L					
HW30	Chloride	5.27	mg/L			250.00 mg/L		250.00 mg/L
HW30-P	Chloride	4.94	mg/L			250.00 mg/L		250.00 mg/L
HW30	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW30-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW30	Sulfate	13.20	mg/L			250.00 mg/L		250.00 mg/L
HW30-P	Sulfate	12.90	mg/L			250.00 mg/L		250.00 mg/L
HW30	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW30-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW30-P	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW30-PF	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW30	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW30-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW30-P	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW30-PF	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW30	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW30-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
HW30-P	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW30-PF	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW30	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW30-F	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW30-P	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW30-PF	Arsenic	1.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW30	Barium	120.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW30-F	Barium	121.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW30-P	Barium	124.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW30-PF	Barium	120.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW30	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW30-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW30-P	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW30-PF	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW30	Boron	64.50	ug/L	3,100.00 ug/L				
HW30-F	Boron	63.90	ug/L	3,100.00 ug/L				
HW30-P	Boron	70.70	ug/L	3,100.00 ug/L				
HW30-PF	Boron	72.80	ug/L	3,100.00 ug/L				
HW30	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW30-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW30-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW30-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW30	Calcium	35,000.00	ug/L					
HW30-F	Calcium	35,600.00	ug/L					
HW30-P	Calcium	34,700.00	ug/L					
HW30-PF	Calcium	34,400.00	ug/L					
HW30	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW30-F	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW30-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
HW30-PF	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW30	Cobalt	1.00	U ug/L	4.70 ug/L				
HW30-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW30-P	Cobalt	1.00	U ug/L	4.70 ug/L				
HW30-PF	Cobalt	1.00	U ug/L	4.70 ug/L				
HW30	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***	
HW30-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***	
HW30-P	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***	
HW30-PF	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***	
HW30	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW30-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW30-P	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW30-PF	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW30	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW30-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW30-P	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW30-PF	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW30	Lithium	200.00	U ug/L	31.00 ug/L				
HW30-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW30-P	Lithium	200.00	U ug/L	31.00 ug/L				
HW30-PF	Lithium	200.00	U ug/L	31.00 ug/L				
HW30	Magnesium	7,860.00	ug/L					
HW30-F	Magnesium	8,030.00	ug/L					
HW30-P	Magnesium	7,600.00	ug/L					
HW30-PF	Magnesium	7,600.00	ug/L					
HW30	Manganese	10.40	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW30-F	Manganese	8.50	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW30-P	Manganese	12.10	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW30-PF	Manganese	10.70	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
HW30	Nickel	1.30	ug/L	300.00 ug/L				
HW30-F	Nickel	1.20	ug/L	300.00 ug/L				
HW30-P	Nickel	1.30	ug/L	300.00 ug/L				
HW30-PF	Nickel	1.30	ug/L	300.00 ug/L				
HW30	Potassium	2,000.00	U ug/L					
HW30-F	Potassium	2,000.00	U ug/L					
HW30-P	Potassium	2,000.00	U ug/L					
HW30-PF	Potassium	2,000.00	U ug/L					
HW30	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW30-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW30-P	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW30-PF	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW30	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW30-F	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW30-P	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW30-PF	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW30	Sodium	14,000.00	ug/L	20,000.00 ug/L				
HW30-F	Sodium	14,400.00	ug/L	20,000.00 ug/L				
HW30-P	Sodium	14,700.00	ug/L	20,000.00 ug/L				
HW30-PF	Sodium	14,700.00	ug/L	20,000.00 ug/L				
HW30	Strontium	1,290.00	ug/L	9,300.00 ug/L				
HW30-F	Strontium	1,330.00	ug/L	9,300.00 ug/L				
HW30-P	Strontium	1,390.00	ug/L	9,300.00 ug/L				
HW30-PF	Strontium	1,390.00	ug/L	9,300.00 ug/L				
HW30	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW30-F	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW30-P	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW30-PF	Thallium	1.00	U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW30	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
HW30-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW30-P	Tin	200.00	U ug/L	9,300.00 ug/L				
HW30-PF	Tin	200.00	U ug/L	9,300.00 ug/L				
HW30	Titanium	200.00	U ug/L					
HW30-F	Titanium	200.00	U ug/L					
HW30-P	Titanium	200.00	U ug/L					
HW30-PF	Titanium	200.00	U ug/L					
HW30	Uranium	3.00	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW30-F	Uranium	3.10	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW30-P	Uranium	2.90	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW30-PF	Uranium	2.90	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW30	Vanadium	5.00	U ug/L	78.00 ug/L				
HW30-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW30-P	Vanadium	5.00	U ug/L	78.00 ug/L				
HW30-PF	Vanadium	5.00	U ug/L	78.00 ug/L				
HW30	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW30-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW30-P	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW30-PF	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW30	Oil and Grease	5.30	UJ mg/L					
HW30-P	Oil and Grease	5.00	UJ mg/L					
HW30	Total Dissolved Solids	149.00	mg/L			500.00 mg/L		500.00 mg/L
HW30-P	Total Dissolved Solids	120.00	mg/L			500.00 mg/L		500.00 mg/L
HW30	Total Suspended Solids	10.00	U mg/L					
HW30-P	Total Suspended Solids	10.00	U mg/L					
HW30	1-Methylnaphthalene	5.00	UJ ug/L	97.00 ug/L				
HW30-P	1-Methylnaphthalene	5.00	UJ ug/L	97.00 ug/L				
HW30	Acenaphthene	5.00	U ug/L	400.00 ug/L				
HW30-P	Acenaphthene	5.00	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
HW30	Acenaphthylene	5.00 U ug/L					
HW30-P	Acenaphthylene	5.00 U ug/L					
HW30	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW30-P	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW30	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW30-P	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW30	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW30-P	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW30	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW30-P	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW30	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW30-P	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW30	Biphenyl	5.00 U ug/L					
HW30-P	Biphenyl	5.00 U ug/L					
HW30	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW30-P	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW30	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW30-P	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW30	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW30-P	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW30	Carbazole	5.00 U ug/L					
HW30-P	Carbazole	5.00 U ug/L					
HW30	Chlorobenzenamine-4	5.00 U ug/L	3.20 ug/L				
HW30-P	Chlorobenzenamine-4	5.00 U ug/L	3.20 ug/L				
HW30	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW30-P	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW30	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW30-P	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW30	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
HW30-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW30	Chrysene	5.00 U ug/L	290.00 ug/L				
HW30-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW30	Cresol, parachloro meta-	5.00 U ug/L					
HW30-P	Cresol, parachloro meta-	5.00 U ug/L					
HW30	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW30-P	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW30	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW30-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW30	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW30-P	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW30	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW30-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW30	Dibenzofuran	5.00 U ug/L					
HW30-P	Dibenzofuran	5.00 U ug/L					
HW30	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW30-P	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW30	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW30-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW30	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW30-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW30	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW30-P	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW30	Dinitrotoluene-2,4	5.00 U ug/L					
HW30-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW30	Dinitrotoluene-2,6	5.00 U ug/L					
HW30-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW30	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW30-P	Ether, bis(2-chloroethyl)	5.00 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
HW30	Ether-bis(2-chloroisopropyl)	5.00	U ug/L					
HW30-P	Ether-bis(2-chloroisopropyl)	5.00	U ug/L					
HW30	Fluoranthene	5.00	U ug/L	630.00 ug/L				
HW30-P	Fluoranthene	5.00	U ug/L	630.00 ug/L				
HW30	Fluoranthene benzo(k)	5.00	U ug/L	29.00 ug/L				
HW30-P	Fluoranthene benzo(k)	5.00	U ug/L	29.00 ug/L				
HW30	Fluoranthene-benzo(b)	5.00	U ug/L	5.60 ug/L				
HW30-P	Fluoranthene-benzo(b)	5.00	U ug/L	5.60 ug/L				
HW30	Fluorene	5.00	U ug/L	220.00 ug/L				
HW30-P	Fluorene	5.00	U ug/L	220.00 ug/L				
HW30	Hexachlorobenzene	5.00	U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW30-P	Hexachlorobenzene	5.00	U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW30	Hexachlorobutadiene	0.50	U ug/L	26.00 ug/L				
HW30	Hexachlorobutadiene	5.00	U ug/L	26.00 ug/L				
HW30-P	Hexachlorobutadiene	5.00	U ug/L	26.00 ug/L				
HW30-P	Hexachlorobutadiene	0.50	U ug/L	26.00 ug/L				
HW30	Hexachlorocyclopentadiene	5.00	U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW30-P	Hexachlorocyclopentadiene	5.00	U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW30	Hexachloroethane	5.00	U ug/L	5.10 ug/L				
HW30-P	Hexachloroethane	5.00	U ug/L	5.10 ug/L				
HW30	Isophorone	5.00	U ug/L	6,700.00 ug/L				
HW30-P	Isophorone	5.00	U ug/L	6,700.00 ug/L				
HW30	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00 ug/L				
HW30-P	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00 ug/L				
HW30	Methylnaphthalene-2	5.00	U ug/L	27.00 ug/L				
HW30-P	Methylnaphthalene-2	5.00	U ug/L	27.00 ug/L				
HW30	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW30	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW30-P	Naphthalene	5.00	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
HW30-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW30	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW30-P	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW30	Nitroaniline-3	5.00	U ug/L					
HW30-P	Nitroaniline-3	5.00	U ug/L					
HW30	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW30-P	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW30	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW30-P	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW30	Nitrophenol-2	5.00	U ug/L					
HW30-P	Nitrophenol-2	5.00	U ug/L					
HW30	Nitrophenol-4	10.00	U ug/L					
HW30-P	Nitrophenol-4	10.00	U ug/L					
HW30	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW30-P	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW30	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW30-P	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW30	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW30-P	Pentachlorophenol	5.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW30	Perylene-benzo(ghi)	5.00	U ug/L					
HW30-P	Perylene-benzo(ghi)	5.00	U ug/L					
HW30	Phenanthrene	5.00	U ug/L					
HW30-P	Phenanthrene	5.00	U ug/L					
HW30	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW30-P	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW30	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW30-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW30	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW30-P	Phthalate, Dimethyl	5.00	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
HW30	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW30-P	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW30	Phthalate, di-n-octyl	5.00	U ug/L					
HW30-P	Phthalate, di-n-octyl	5.00	U ug/L					
HW30	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW30-P	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW30	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW30-P	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW30	Pyrene	5.00	U ug/L	87.00 ug/L				
HW30-P	Pyrene	5.00	U ug/L	87.00 ug/L				
HW30	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW30-P	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW30	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW30-P	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW30	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW30-P	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW30	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW30-P	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW30	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW30-P	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW30	TPH - Diesel Range Organics	250.00	U ug/L					
HW30-P	TPH - Diesel Range Organics	250.00	U ug/L					
HW30	TPH - Gasoline Range Organics	50.00	U ug/L					
HW30-P	TPH - Gasoline Range Organics	50.00	U ug/L					
HW30	TPH - Oil Range Organics	1,000.00	U ug/L					
HW30-P	TPH - Oil Range Organics	1,000.00	U ug/L					
HW30	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW30-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW30	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
HW30-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW30	Acetone	2.00 U ug/L					
HW30-P	Acetone	2.00 U ug/L					
HW30	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30	Bromobenzene	0.50 U ug/L					
HW30-P	Bromobenzene	0.50 U ug/L					
HW30	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW30-P	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW30	Butylbenzene	0.50 U ug/L					
HW30-P	Butylbenzene	0.50 U ug/L					
HW30	Butylbenzene, sec-	0.50 U ug/L					
HW30-P	Butylbenzene, sec-	0.50 U ug/L					
HW30	Butylbenzene, tert-	0.50 U ug/L					
HW30-P	Butylbenzene, tert-	0.50 U ug/L					
HW30	Carbon disulfide	0.50 U ug/L					
HW30-P	Carbon disulfide	0.50 U ug/L					
HW30	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW30-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW30	Chlorobromomethane	0.50 U ug/L					
HW30-P	Chlorobromomethane	0.50 U ug/L					
HW30	Chloroethane	0.50 U ug/L					
HW30-P	Chloroethane	0.50 U ug/L					
HW30	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW30-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW30	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW30-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
HW30	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW30-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW30	Cyclohexane	0.50 U ug/L					
HW30-P	Cyclohexane	0.50 U ug/L					
HW30	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW30-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW30	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW30-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW30	Dibromomethane	0.50 U ug/L					
HW30-P	Dibromomethane	0.50 U ug/L					
HW30	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW30-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW30	Dichlorobenzene-1,3	0.50 U ug/L					
HW30-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW30	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW30-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW30	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW30-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW30	Dichlorodifluoromethane	0.50 U ug/L					
HW30-P	Dichlorodifluoromethane	0.50 U ug/L					
HW30	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW30-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW30	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW30-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW30	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW30-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW30	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW30-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW30	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
HW30-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW30	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW30-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW30	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW30-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW30	Dichloropropane, 2,2-	0.50 U ug/L					
HW30-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW30	Dichloropropene, 1,1-	0.50 U ug/L					
HW30-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW30	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW30-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW30	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW30-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW30	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW30-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW30	Freon 113	0.50 U ug/L					
HW30-P	Freon 113	0.50 U ug/L					
HW30	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW30-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW30	Isopropylbenzene	0.50 U ug/L					
HW30-P	Isopropylbenzene	0.50 U ug/L					
HW30	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW30-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW30	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW30-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW30	Methyl acetate	1.00 U ug/L					
HW30-P	Methyl acetate	1.00 U ug/L					
HW30	Methyl bromide	0.50 U ug/L					
HW30-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
HW30	Methyl chloride	0.50 U ug/L					
HW30-P	Methyl chloride	0.50 U ug/L					
HW30	Methyl cyclohexane	0.50 U ug/L					
HW30-P	Methyl cyclohexane	0.50 U ug/L					
HW30	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW30-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW30	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW30-P	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW30	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30	Propylbenzene-n	0.50 U ug/L					
HW30-P	Propylbenzene-n	0.50 U ug/L					
HW30	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW30-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW30	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW30-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW30	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW30-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW30	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW30-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW30	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW30-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW30	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW30-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW30	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW30-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW30	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
HW30-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW30	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW30	Trichlorofluoromethane	0.50 U ug/L					
HW30-P	Trichlorofluoromethane	0.50 U ug/L					
HW30	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW30-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW30	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW30-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW30	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW30-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW30	Vinyl acetate	0.50 U ug/L					
HW30-P	Vinyl acetate	0.50 U ug/L					
HW30	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW30-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW30	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW30-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW30	Nitrogen, Nitrite + Nitrate	0.06 mg/L		10.00 mg/L		10.00 mg/L	
HW30-P	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW30	Total Nitrogen	1.00 U mg/L					
HW30-P	Total Nitrogen	1.00 U mg/L					
HW30	Total Phosphorus as P	0.05 U mg/L					
HW30-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 semivolatile 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