

HW-03

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/14/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW03	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW03z	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW03	1-Propanol	10,000.00 U ug/L					
HW03z	1-Propanol	10,000.00 U ug/L					
HW03	2-Butanol	10,000.00 U ug/L					
HW03z	2-Butanol	10,000.00 U ug/L					
HW03	Ethanol	10,000.00 U ug/L					
HW03z	Ethanol	10,000.00 U ug/L					
HW03	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW03z	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW03	Anionic Surfactants	0.01 U mg/L					
HW03z	Anionic Surfactants	0.01 U mg/L					
HW03	Heterotrophic Plate Count	R cfu/1mL					
HW03z	Heterotrophic Plate Count	R cfu/1mL					
HW03	Total Coliform Bacteria	1.00 UJ cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW03z	Total Coliform Bacteria	1.00 UJ cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW03	Ethane	430.00 ug/L					
HW03z	Ethane	930.00 ug/L					
HW03	Ethene	1.10 U ug/L					
HW03z	Ethene	1.10 U ug/L					
HW03	Methane	15,000.00 ug/L	28,000.00 ug/L				
HW03z	Methane	28,000.00 ug/L	28,000.00 ug/L				
HW03	2-Butoxyethanol	5.00 U ug/L					
HW03z	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
HW03	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW03	2-Methoxyethanol	60.00	U ug/L	78.00 ug/L				
HW03z	2-Methoxyethanol	60.00	U ug/L	78.00 ug/L				
HW03z	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW03	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW03z	Diethylene Glycol	25.00	U ug/L	8,000.00 ug/L				
HW03	Ethylene Glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW03z	Ethylene Glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW03	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW03z	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW03	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW03z	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW03	Bromide	0.50	U mg/L					
HW03z	Bromide	0.50	U mg/L					
HW03	Chloride	5.36	mg/L			250.00 mg/L		250.00 mg/L
HW03z	Chloride	5.36	mg/L			250.00 mg/L		250.00 mg/L
HW03	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW03z	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW03	Sulfate	4.82	mg/L			250.00 mg/L		250.00 mg/L
HW03z	Sulfate	4.80	mg/L			250.00 mg/L		250.00 mg/L
HW03	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW03-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW03z	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW03z-F	Mercury	0.20	U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW03	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW03-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW03z	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW03z-F	Aluminum	30.00	U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW03	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
HW03-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW03z	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW03z-F	Antimony	2.00	U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW03	Arsenic	2.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW03-F	Arsenic	2.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW03z	Arsenic	2.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW03z-F	Arsenic	2.00	U ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW03	Barium	821.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW03-F	Barium	825.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW03z	Barium	823.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW03z-F	Barium	832.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW03	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW03-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW03z	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW03z-F	Beryllium	1.00	U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW03	Boron	50.00	U ug/L	3,100.00 ug/L				
HW03-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW03z	Boron	50.00	U ug/L	3,100.00 ug/L				
HW03z-F	Boron	50.00	U ug/L	3,100.00 ug/L				
HW03	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW03-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW03z	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW03z-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW03	Calcium	29,000.00	ug/L					
HW03-F	Calcium	29,200.00	ug/L					
HW03z	Calcium	29,200.00	ug/L					
HW03z-F	Calcium	29,700.00	ug/L					
HW03	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW03-F	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
HW03z	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW03z-F	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW03	Cobalt	1.00	U ug/L	4.70 ug/L				
HW03-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW03z	Cobalt	1.00	U ug/L	4.70 ug/L				
HW03z-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW03	Copper	5.50	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW03-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***	
HW03z	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***	
HW03z-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***	
HW03	Iron	711.00	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW03-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW03z	Iron	708.00	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW03z-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW03	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW03-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW03z	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW03z-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW03	Lithium	200.00	U ug/L	31.00 ug/L				
HW03-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW03z	Lithium	200.00	U ug/L	31.00 ug/L				
HW03z-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW03	Magnesium	8,070.00	ug/L					
HW03-F	Magnesium	8,140.00	ug/L					
HW03z	Magnesium	8,100.00	ug/L					
HW03z-F	Magnesium	8,160.00	ug/L					
HW03	Manganese	72.00	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW03-F	Manganese	72.30	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW03z	Manganese	72.60	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
HW03z-F	Manganese	69.60	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW03	Nickel	1.80 J	ug/L	300.00 ug/L				
HW03-F	Nickel	1.20	ug/L	300.00 ug/L				
HW03z	Nickel	1.30	ug/L	300.00 ug/L				
HW03z-F	Nickel	1.10	ug/L	300.00 ug/L				
HW03	Potassium	2,000.00 U	ug/L					
HW03-F	Potassium	2,000.00 U	ug/L					
HW03z	Potassium	2,000.00 U	ug/L					
HW03z-F	Potassium	2,000.00 U	ug/L					
HW03	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW03-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW03z	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW03z-F	Selenium	5.00 U	ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW03	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW03-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW03z	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW03z-F	Silver	1.00 U	ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW03	Sodium	14,500.00	ug/L	20,000.00 ug/L				
HW03-F	Sodium	14,700.00	ug/L	20,000.00 ug/L				
HW03z	Sodium	14,700.00	ug/L	20,000.00 ug/L				
HW03z-F	Sodium	15,000.00	ug/L	20,000.00 ug/L				
HW03	Strontium	936.00	ug/L	9,300.00 ug/L				
HW03-F	Strontium	945.00	ug/L	9,300.00 ug/L				
HW03z	Strontium	945.00	ug/L	9,300.00 ug/L				
HW03z-F	Strontium	961.00	ug/L	9,300.00 ug/L				
HW03	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW03-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW03z	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW03z-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW03	Tin	200.00	U ug/L	9,300.00 ug/L				
HW03-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW03z	Tin	200.00	U ug/L	9,300.00 ug/L				
HW03z-F	Tin	200.00	U ug/L	9,300.00 ug/L				
HW03	Titanium	200.00	U ug/L					
HW03-F	Titanium	200.00	U ug/L					
HW03z	Titanium	200.00	U ug/L					
HW03z-F	Titanium	200.00	U ug/L					
HW03	Uranium	1.00	U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW03-F	Uranium	1.00	U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW03z	Uranium	1.00	U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW03z-F	Uranium	1.00	U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW03	Vanadium	5.00	U ug/L	78.00 ug/L				
HW03-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW03z	Vanadium	5.00	U ug/L	78.00 ug/L				
HW03z-F	Vanadium	5.00	U ug/L	78.00 ug/L				
HW03	Zinc	46.10	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW03-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW03z	Zinc	38.80	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW03z-F	Zinc	2.00	U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW03	Oil and Grease	5.10	UJ mg/L					
HW03z	Oil and Grease	5.10	UJ mg/L					
HW03	Total Dissolved Solids	158.00	mg/L			500.00 mg/L		500.00 mg/L
HW03z	Total Dissolved Solids	136.00	mg/L			500.00 mg/L		500.00 mg/L
HW03	Total Suspended Solids	10.00	U mg/L					
HW03z	Total Suspended Solids	10.00	U mg/L					
HW03	1-Methylnaphthalene	5.00	U ug/L	97.00 ug/L				
HW03z	1-Methylnaphthalene	5.00	U ug/L	97.00 ug/L				
HW03	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
HW03z	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW03	Acenaphthylene	5.00 U ug/L					
HW03z	Acenaphthylene	5.00 U ug/L					
HW03	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW03z	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW03	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW03z	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW03	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW03z	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW03	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW03z	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW03	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW03z	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW03	Biphenyl	5.00 U ug/L					
HW03z	Biphenyl	5.00 U ug/L					
HW03	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW03z	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW03	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW03z	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW03	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW03z	Caprolactam	0.44 J ug/L	7,700.00 ug/L				
HW03	Carbazole	5.00 U ug/L					
HW03z	Carbazole	5.00 U ug/L					
HW03	Chlorobenzenamine-4	5.00 U ug/L	3.20 ug/L				
HW03z	Chlorobenzenamine-4	5.00 U ug/L	3.20 ug/L				
HW03	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW03z	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW03	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW03z	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW03	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW03z	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW03	Chrysene	5.00 U ug/L	290.00 ug/L				
HW03z	Chrysene	5.00 U ug/L	290.00 ug/L				
HW03	Cresol, parachloro meta-	5.00 U ug/L					
HW03z	Cresol, parachloro meta-	5.00 U ug/L					
HW03	Cresol-4,6-dinitro-ortho	60.00 U ug/L					
HW03z	Cresol-4,6-dinitro-ortho	60.00 U ug/L					
HW03	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW03z	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW03	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW03z	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW03	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW03z	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW03	Dibenzofuran	5.00 U ug/L					
HW03z	Dibenzofuran	5.00 U ug/L					
HW03	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW03z	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW03	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW03z	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW03	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW03z	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW03	Dinitrophenol-2,4	60.00 U ug/L	30.00 ug/L				
HW03z	Dinitrophenol-2,4	60.00 U ug/L	30.00 ug/L				
HW03	Dinitrotoluene-2,4	5.00 U ug/L					
HW03z	Dinitrotoluene-2,4	5.00 U ug/L					
HW03	Dinitrotoluene-2,6	5.00 U ug/L					
HW03z	Dinitrotoluene-2,6	5.00 U ug/L					
HW03	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
HW03z	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW03	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW03z	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW03	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW03z	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW03	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW03z	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW03	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW03z	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW03	Fluorene	5.00 U ug/L	220.00 ug/L				
HW03z	Fluorene	5.00 U ug/L	220.00 ug/L				
HW03	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW03z	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW03	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW03	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW03z	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW03z	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW03	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW03z	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW03	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW03z	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW03	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW03z	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW03	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW03z	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW03	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW03z	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW03	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW03	Naphthalene	0.50 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
HW03z	Naphthalene	5.00	U ug/L	14.00 ug/L				
HW03z	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW03	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW03z	Nitroaniline, ortho	5.00	U ug/L	150.00 ug/L				
HW03	Nitroaniline-3	5.00	U ug/L					
HW03z	Nitroaniline-3	5.00	U ug/L					
HW03	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW03z	Nitrobenzenamine-4	5.00	U ug/L	61.00 ug/L				
HW03	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW03z	Nitrobenzene	5.00	U ug/L	12.00 ug/L				
HW03	Nitrophenol-2	5.00	U ug/L					
HW03z	Nitrophenol-2	5.00	U ug/L					
HW03	Nitrophenol-4	10.00	U ug/L					
HW03z	Nitrophenol-4	10.00	U ug/L					
HW03	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW03z	Nitrosodimethylamine-n	5.00	U ug/L	0.04 ug/L				
HW03	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW03z	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00 ug/L				
HW03	Pentachlorophenol	60.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW03z	Pentachlorophenol	60.00	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW03	Perylene-benzo(ghi)	5.00	U ug/L					
HW03z	Perylene-benzo(ghi)	5.00	U ug/L					
HW03	Phenanthrene	5.00	U ug/L					
HW03z	Phenanthrene	5.00	U ug/L					
HW03	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW03z	Phenol	5.00	U ug/L	4,500.00 ug/L				
HW03	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW03z	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW03	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
HW03z	Phthalate, Dimethyl	5.00	U ug/L	1,400.00 ug/L				
HW03	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW03z	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW03	Phthalate, di-n-octyl	5.00	U ug/L					
HW03z	Phthalate, di-n-octyl	5.00	U ug/L					
HW03	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW03z	Phthalate-diethyl	5.00	U ug/L	11,000.00 ug/L				
HW03	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW03z	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93 ug/L				
HW03	Pyrene	5.00	U ug/L	87.00 ug/L				
HW03z	Pyrene	5.00	U ug/L	87.00 ug/L				
HW03	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW03z	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00 ug/L				
HW03	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW03z	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20 ug/L				
HW03	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW03z	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00 ug/L				
HW03	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW03z	Trichlorophenol-2,4,5	5.00	U ug/L	890.00 ug/L				
HW03	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW03z	Trichlorophenol-2,4,6	5.00	U ug/L	9.04 ug/L				
HW03	TPH - Diesel Range Organics	250.00	U ug/L					
HW03z	TPH - Diesel Range Organics	250.00	U ug/L					
HW03	TPH - Gasoline Range Organics	50.00	U ug/L					
HW03z	TPH - Gasoline Range Organics	50.00	U ug/L					
HW03	TPH - Oil Range Organics	1,000.00	U ug/L					
HW03z	TPH - Oil Range Organics	1,000.00	U ug/L					
HW03	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW03z	1,2-Dibromo-3-chloropropane (DBCP)	2.00	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW03	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW03z	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW03	Acetone	3.20 U ug/L					
HW03z	Acetone	2.00 U ug/L					
HW03	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03z	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03	Bromobenzene	0.50 U ug/L					
HW03z	Bromobenzene	0.50 U ug/L					
HW03	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03z	Bromoform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03	Butylbenzene	0.50 U ug/L					
HW03z	Butylbenzene	0.50 U ug/L					
HW03	Butylbenzene, sec-	0.50 U ug/L					
HW03z	Butylbenzene, sec-	0.50 U ug/L					
HW03	Butylbenzene, tert-	0.50 U ug/L					
HW03z	Butylbenzene, tert-	0.50 U ug/L					
HW03	Carbon disulfide	0.08 J ug/L					
HW03z	Carbon disulfide	0.09 J ug/L					
HW03	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03z	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW03z	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW03	Chlorobromomethane	0.50 U ug/L					
HW03z	Chlorobromomethane	0.50 U ug/L					
HW03	Chloroethane	0.50 U ug/L					
HW03z	Chloroethane	0.50 U ug/L					
HW03	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03z	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03	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
HW03z	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW03	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW03z	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW03	Cyclohexane	0.50 U ug/L					
HW03z	Cyclohexane	0.50 U ug/L					
HW03	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03z	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW03z	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW03	Dibromomethane	0.50 U ug/L					
HW03z	Dibromomethane	0.50 U ug/L					
HW03	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW03z	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW03	Dichlorobenzene-1,3	0.50 U ug/L					
HW03z	Dichlorobenzene-1,3	0.50 U ug/L					
HW03	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW03z	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW03	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03z	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW03	Dichlorodifluoromethane	0.50 U ug/L					
HW03z	Dichlorodifluoromethane	0.50 U ug/L					
HW03	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW03z	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW03	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW03z	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW03	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW03z	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW03	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW03z	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW03	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW03z	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW03	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW03z	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW03	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW03z	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW03	Dichloropropane, 2,2-	0.50 U ug/L					
HW03z	Dichloropropane, 2,2-	0.50 U ug/L					
HW03	Dichloropropene, 1,1-	0.50 U ug/L					
HW03z	Dichloropropene, 1,1-	0.50 U ug/L					
HW03	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW03z	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW03	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW03z	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW03	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW03z	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW03	Freon 113	0.50 U ug/L					
HW03z	Freon 113	0.50 U ug/L					
HW03	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW03z	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW03	Isopropylbenzene	0.50 U ug/L					
HW03z	Isopropylbenzene	0.50 U ug/L					
HW03	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW03z	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW03	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW03z	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW03	Methyl acetate	0.50 U ug/L					
HW03z	Methyl acetate	0.50 U ug/L					
HW03	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
HW03z	Methyl bromide	0.50 U ug/L					
HW03	Methyl chloride	0.50 U ug/L					
HW03z	Methyl chloride	0.50 U ug/L					
HW03	Methyl cyclohexane	0.50 U ug/L					
HW03z	Methyl cyclohexane	0.50 U ug/L					
HW03	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW03z	Methyl ethyl ketone	0.80 J ug/L	4,900.00 ug/L				
HW03	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW03z	Methyl tertiary butyl ether (MTBE)	0.50 U ug/L					
HW03	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03z	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03	Propylbenzene-n	0.50 U ug/L					
HW03z	Propylbenzene-n	0.50 U ug/L					
HW03	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW03z	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW03	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW03z	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW03	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW03z	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW03	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03z	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW03z	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW03	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW03z	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW03	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW03z	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW03	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW03z	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW03	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW03z	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW03	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03z	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW03	Trichlorofluoromethane	0.50 U ug/L					
HW03z	Trichlorofluoromethane	0.50 U ug/L					
HW03	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW03z	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW03	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW03z	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW03	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW03z	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW03	Vinyl acetate	0.50 U ug/L					
HW03z	Vinyl acetate	0.50 U ug/L					
HW03	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW03z	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW03	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW03z	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW03	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW03z	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW03	Total Nitrogen	1.00 U mg/L					
HW03z	Total Nitrogen	1.00 U mg/L					
HW03	Total Phosphorus as P	0.05 U mg/L					
HW03z	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