

HW-32

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/1/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW32-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW32	1-Propanol	10,000.00 U ug/L					
HW32-P	1-Propanol	10,000.00 U ug/L					
HW32	2-Butanol	10,000.00 U ug/L					
HW32-P	2-Butanol	10,000.00 U ug/L					
HW32	Ethanol	10,000.00 U ug/L					
HW32-P	Ethanol	10,000.00 U ug/L					
HW32	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW32-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW32	Anionic Surfactants	0.01 U mg/L					
HW32-P	Anionic Surfactants	0.01 U mg/L					
HW32	Heterotrophic Plate Count	R cfu/1mL					
HW32-P	Heterotrophic Plate Count	R cfu/1mL					
HW32	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW32-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW32	Ethane	1.20 U ug/L					
HW32-P	Ethane	1.20 U ug/L					
HW32	Ethene	1.10 U ug/L					
HW32-P	Ethene	1.10 U ug/L					
HW32	Methane	210.00 ug/L	28,000.00 ug/L				
HW32-P	Methane	310.00 ug/L	28,000.00 ug/L				
HW32	2-Butoxyethanol	5.00 U ug/L					
HW32-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
HW32	2-Methoxyethanol	60.00 U ug/L	78.00 ug/L				
HW32	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW32-P	2-Methoxyethanol	10.00 U ug/L	78.00 ug/L				
HW32-P	2-Methoxyethanol	60.00 U ug/L	78.00 ug/L				
HW32	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW32	Diethylene glycol	R ug/L	8,000.00 ug/L				
HW32-P	Diethylene Glycol	50.00 U ug/L	8,000.00 ug/L				
HW32-P	Diethylene glycol	R ug/L	8,000.00 ug/L				
HW32	Ethanol, 2-ethoxy-	10,000.00 U ug/L					
HW32-P	Ethanol, 2-ethoxy-	10,000.00 U ug/L					
HW32	Ethanol, 2-methoxy-	10,000.00 U ug/L	78.00 ug/L				
HW32-P	Ethanol, 2-methoxy-	10,000.00 U ug/L	78.00 ug/L				
HW32	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW32	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW32-P	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW32-P	Ethylene glycol	10,000.00 U ug/L	31,000.00 ug/L				
HW32	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW32-P	Tetraethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW32	Triethylene glycol	R ug/L	8,000.00 ug/L				
HW32	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW32-P	Triethylene glycol	25.00 U ug/L	8,000.00 ug/L				
HW32-P	Triethylene glycol	10,000.00 U ug/L	8,000.00 ug/L				
HW32	Bromide	0.50 U mg/L					
HW32-P	Bromide	0.50 U mg/L					
HW32	Chloride	5.29 mg/L			250.00 mg/L		250.00 mg/L
HW32-P	Chloride	5.25 mg/L			250.00 mg/L		250.00 mg/L
HW32	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW32-P	Fluoride	0.10 U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW32	Sulfate	11.50 mg/L			250.00 mg/L		250.00 mg/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-P	Sulfate	11.40 mg/L			250.00 mg/L		250.00 mg/L
HW32	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW32-F	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW32-P	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW32-PF	Mercury	0.20 U ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW32	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW32-F	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW32-P	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW32-PF	Aluminum	30.00 U ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW32	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW32-F	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW32-P	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW32-PF	Antimony	2.00 U ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW32	Arsenic	10.50 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW32-F	Arsenic	9.70 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW32-P	Arsenic	8.70 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW32-PF	Arsenic	9.60 ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW32	Barium	369.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW32-F	Barium	360.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW32-P	Barium	365.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW32-PF	Barium	372.00 ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW32	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW32-F	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW32-P	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW32-PF	Beryllium	1.00 U ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW32	Boron	50.00 U ug/L	3,100.00 ug/L				
HW32-F	Boron	50.00 U ug/L	3,100.00 ug/L				
HW32-P	Boron	50.00 U ug/L	3,100.00 ug/L				
HW32-PF	Boron	50.00 U ug/L	3,100.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW32-F	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW32-P	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW32-PF	Cadmium	1.00 U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW32	Calcium	32,600.00 ug/L					
HW32-F	Calcium	32,300.00 ug/L					
HW32-P	Calcium	32,600.00 ug/L					
HW32-PF	Calcium	33,100.00 ug/L					
HW32	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW32-F	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW32-P	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW32-PF	Chromium	2.00 U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW32	Cobalt	1.00 U ug/L	4.70 ug/L				
HW32-F	Cobalt	1.00 U ug/L	4.70 ug/L				
HW32-P	Cobalt	1.00 U ug/L	4.70 ug/L				
HW32-PF	Cobalt	1.00 U ug/L	4.70 ug/L				
HW32	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***	
HW32-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***	
HW32-P	Copper	5.00 ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW32-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***	
HW32	Iron	166.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW32-F	Iron	148.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW32-P	Iron	188.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW32-PF	Iron	169.00 ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW32	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW32-F	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW32-P	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW32-PF	Lead	1.00 U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW32	Lithium	200.00 U ug/L	31.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-F	Lithium	200.00 U ug/L	31.00 ug/L				
HW32-P	Lithium	200.00 U ug/L	31.00 ug/L				
HW32-PF	Lithium	200.00 U ug/L	31.00 ug/L				
HW32	Magnesium	9,260.00 ug/L					
HW32-F	Magnesium	9,080.00 ug/L					
HW32-P	Magnesium	9,220.00 ug/L					
HW32-PF	Magnesium	9,390.00 ug/L					
HW32	Manganese	297.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW32-F	Manganese	289.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW32-P	Manganese	295.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW32-PF	Manganese	301.00 ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW32	Nickel	1.10 ug/L	300.00 ug/L				
HW32-F	Nickel	1.10 ug/L	300.00 ug/L				
HW32-P	Nickel	1.10 ug/L	300.00 ug/L				
HW32-PF	Nickel	1.20 ug/L	300.00 ug/L				
HW32	Potassium	2,000.00 U ug/L					
HW32-F	Potassium	2,000.00 U ug/L					
HW32-P	Potassium	2,000.00 U ug/L					
HW32-PF	Potassium	2,000.00 U ug/L					
HW32	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW32-F	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW32-P	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW32-PF	Selenium	5.00 U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW32	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW32-F	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW32-P	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW32-PF	Silver	1.00 U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW32	Sodium	8,130.00 ug/L	20,000.00 ug/L				
HW32-F	Sodium	8,050.00 ug/L	20,000.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-P	Sodium	8,100.00 ug/L	20,000.00 ug/L				
HW32-PF	Sodium	8,280.00 ug/L	20,000.00 ug/L				
HW32	Strontium	539.00 ug/L	9,300.00 ug/L				
HW32-F	Strontium	538.00 ug/L	9,300.00 ug/L				
HW32-P	Strontium	539.00 ug/L	9,300.00 ug/L				
HW32-PF	Strontium	552.00 ug/L	9,300.00 ug/L				
HW32	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW32-F	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW32-P	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW32-PF	Thallium	1.00 U ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW32	Tin	200.00 U ug/L	9,300.00 ug/L				
HW32-F	Tin	200.00 U ug/L	9,300.00 ug/L				
HW32-P	Tin	200.00 U ug/L	9,300.00 ug/L				
HW32-PF	Tin	200.00 U ug/L	9,300.00 ug/L				
HW32	Titanium	200.00 U ug/L					
HW32-F	Titanium	200.00 U ug/L					
HW32-P	Titanium	200.00 U ug/L					
HW32-PF	Titanium	200.00 U ug/L					
HW32	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW32-F	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW32-P	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW32-PF	Uranium	1.00 U ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW32	Vanadium	5.00 U ug/L	78.00 ug/L				
HW32-F	Vanadium	5.00 U ug/L	78.00 ug/L				
HW32-P	Vanadium	5.00 U ug/L	78.00 ug/L				
HW32-PF	Vanadium	5.00 U ug/L	78.00 ug/L				
HW32	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW32-F	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW32-P	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-PF	Zinc	2.00 U ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW32	Oil and Grease	5.10 U mg/L					
HW32-P	Oil and Grease	5.30 U mg/L					
HW32	Total Dissolved Solids	100.00 J mg/L			500.00 mg/L		500.00 mg/L
HW32-P	Total Dissolved Solids	104.00 J mg/L			500.00 mg/L		500.00 mg/L
HW32	Total Suspended Solids	10.00 U mg/L					
HW32-P	Total Suspended Solids	10.00 U mg/L					
HW32	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW32-P	1-Methylnaphthalene	5.00 U ug/L	97.00 ug/L				
HW32	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW32-P	Acenaphthene	5.00 U ug/L	400.00 ug/L				
HW32	Acenaphthylene	5.00 U ug/L					
HW32-P	Acenaphthylene	5.00 U ug/L					
HW32	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW32-P	Acetophenone	5.00 U ug/L	1,500.00 ug/L				
HW32	Anthracene	5.00 U ug/L	1,300.00 ug/L				
HW32-P	Anthracene	0.07 J ug/L	1,300.00 ug/L				
HW32	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW32-P	Atrazine	5.00 U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW32	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW32-P	Benzo(a)anthracene	5.00 U ug/L	2.90 ug/L				
HW32	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW32-P	Benzo(a)pyrene	5.00 U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW32	Biphenyl	5.00 U ug/L					
HW32-P	Biphenyl	5.00 U ug/L					
HW32	Bromophenyl-4 Phenyl Ether	5.00 U ug/L					
HW32-P	Bromophenyl-4 Phenyl Ether	0.05 J ug/L					
HW32	Butylbenzyl phthalate	5.00 U ug/L	1,400.00 ug/L				
HW32-P	Butylbenzyl phthalate	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
HW32	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW32-P	Caprolactam	5.00 U ug/L	7,700.00 ug/L				
HW32	Carbazole	5.00 U ug/L					
HW32-P	Carbazole	0.09 J ug/L					
HW32	Chlorobenzamine-4	5.00 U ug/L	3.20 ug/L				
HW32-P	Chlorobenzamine-4	5.00 U ug/L	3.20 ug/L				
HW32	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW32-P	Chloronaphthalene-2	5.00 U ug/L	550.00 ug/L				
HW32	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW32-P	Chlorophenol-2	5.00 U ug/L	71.00 ug/L				
HW32	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW32-P	Chlorophenyl-4 phenyl ether	5.00 U ug/L					
HW32	Chrysene	5.00 U ug/L	290.00 ug/L				
HW32-P	Chrysene	5.00 U ug/L	290.00 ug/L				
HW32	Cresol, parachloro meta-	5.00 U ug/L					
HW32-P	Cresol, parachloro meta-	5.00 U ug/L					
HW32	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW32-P	Cresol-4,6-dinitro-ortho	10.00 U ug/L					
HW32	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW32-P	Cresol-o	5.00 U ug/L	720.00 ug/L				
HW32	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW32-P	Cresol-p	5.00 U ug/L	72.00 ug/L				
HW32	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW32-P	Dibenz(a,h)anthracene	5.00 U ug/L	0.29 ug/L				
HW32	Dibenzofuran	5.00 U ug/L					
HW32-P	Dibenzofuran	5.00 U ug/L					
HW32	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW32-P	Dichlorobenzidine-3,3'	5.00 U ug/L	11.00 ug/L				
HW32	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-P	Dichlorophenol-2,4	5.00 U ug/L	35.00 ug/L				
HW32	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW32-P	Dimethylphenol, 2,4-	5.00 U ug/L	270.00 ug/L				
HW32	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW32-P	Dinitrophenol-2,4	5.00 U ug/L	30.00 ug/L				
HW32	Dinitrotoluene-2,4	5.00 U ug/L					
HW32-P	Dinitrotoluene-2,4	5.00 U ug/L					
HW32	Dinitrotoluene-2,6	5.00 U ug/L					
HW32-P	Dinitrotoluene-2,6	5.00 U ug/L					
HW32	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW32-P	Ether, bis(2-chloroethyl)	5.00 U ug/L	1.20 ug/L				
HW32	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW32-P	Ether-bis(2-chloroisopropyl)	5.00 U ug/L					
HW32	Fluoranthene	5.00 U ug/L	630.00 ug/L				
HW32-P	Fluoranthene	0.09 J ug/L	630.00 ug/L				
HW32	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW32-P	Fluoranthene benzo(k)	5.00 U ug/L	29.00 ug/L				
HW32	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW32-P	Fluoranthene-benzo(b)	5.00 U ug/L	5.60 ug/L				
HW32	Fluorene	5.00 U ug/L	220.00 ug/L				
HW32-P	Fluorene	5.00 U ug/L	220.00 ug/L				
HW32	Hexachlorobenzene	5.00 U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW32-P	Hexachlorobenzene	0.08 J ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW32	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW32	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW32-P	Hexachlorobutadiene	0.50 U ug/L	26.00 ug/L				
HW32-P	Hexachlorobutadiene	5.00 U ug/L	26.00 ug/L				
HW32	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW32-P	Hexachlorocyclopentadiene	5.00 U ug/L	22.00 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
HW32	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW32-P	Hexachloroethane	5.00 U ug/L	5.10 ug/L				
HW32	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW32-P	Isophorone	5.00 U ug/L	6,700.00 ug/L				
HW32	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW32-P	Methane, bis(2-chloroethoxy)	5.00 U ug/L	47.00 ug/L				
HW32	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW32-P	Methylnaphthalene-2	5.00 U ug/L	27.00 ug/L				
HW32	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW32	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW32-P	Naphthalene	0.50 U ug/L	14.00 ug/L				
HW32-P	Naphthalene	5.00 U ug/L	14.00 ug/L				
HW32	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW32-P	Nitroaniline, ortho	5.00 U ug/L	150.00 ug/L				
HW32	Nitroaniline-3	5.00 U ug/L					
HW32-P	Nitroaniline-3	5.00 U ug/L					
HW32	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW32-P	Nitrobenzenamine-4	5.00 U ug/L	61.00 ug/L				
HW32	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW32-P	Nitrobenzene	5.00 U ug/L	12.00 ug/L				
HW32	Nitrophenol-2	5.00 U ug/L					
HW32-P	Nitrophenol-2	5.00 U ug/L					
HW32	Nitrophenol-4	10.00 U ug/L					
HW32-P	Nitrophenol-4	10.00 U ug/L					
HW32	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW32-P	Nitrosodimethylamine-n	5.00 U ug/L	0.04 ug/L				
HW32	Nitrosodiphenylamine-n	5.00 U ug/L	1,000.00 ug/L				
HW32-P	Nitrosodiphenylamine-n	0.05 J ug/L	1,000.00 ug/L				
HW32	Pentachlorophenol	40.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-P	Pentachlorophenol	40.00 U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW32	Perylene-benzo(ghi)	5.00 U ug/L					
HW32-P	Perylene-benzo(ghi)	5.00 U ug/L					
HW32	Phenanthrene	5.00 U ug/L					
HW32-P	Phenanthrene	0.09 J ug/L					
HW32	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW32-P	Phenol	5.00 U ug/L	4,500.00 ug/L				
HW32	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW32-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW32	Phthalate, Dimethyl	5.00 U ug/L	1,400.00 ug/L				
HW32-P	Phthalate, Dimethyl	0.04 J ug/L	1,400.00 ug/L				
HW32	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW32-P	Phthalate, di-n-butyl-	5.00 U ug/L	670.00 ug/L				
HW32	Phthalate, di-n-octyl	5.00 U ug/L					
HW32-P	Phthalate, di-n-octyl	0.02 J ug/L					
HW32	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW32-P	Phthalate-diethyl	5.00 U ug/L	11,000.00 ug/L				
HW32	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW32-P	Propylamine,n-nitroso di-n-	5.00 U ug/L	0.93 ug/L				
HW32	Pyrene	5.00 U ug/L	87.00 ug/L				
HW32-P	Pyrene	0.10 J ug/L	87.00 ug/L				
HW32	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW32-P	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L	3.00 ug/L				
HW32	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW32-P	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L	1.20 ug/L				
HW32	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW32-P	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L	170.00 ug/L				
HW32	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				
HW32-P	Trichlorophenol-2,4,5	5.00 U ug/L	890.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW32-P	Trichlorophenol-2,4,6	5.00 U ug/L	9.04 ug/L				
HW32	TPH - Diesel Range Organics	250.00 U ug/L					
HW32-P	TPH - Diesel Range Organics	250.00 U ug/L					
HW32	TPH - Gasoline Range Organics	50.00 U ug/L					
HW32-P	TPH - Gasoline Range Organics	50.00 U ug/L					
HW32	TPH - Oil Range Organics	1,000.00 U ug/L					
HW32-P	TPH - Oil Range Organics	1,000.00 U ug/L					
HW32	1,2-Dibromo-3-chloropropane (DBCP)	2.00 UJ ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW32-P	1,2-Dibromo-3-chloropropane (DBCP)	2.00 UJ ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW32	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW32-P	4-Methyl-2-pentanone	2.00 U ug/L	1,000.00 ug/L				
HW32	Acetone	2.00 U ug/L					
HW32-P	Acetone	2.00 U ug/L					
HW32	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32-P	Benzene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32	Bromobenzene	0.50 U ug/L					
HW32-P	Bromobenzene	0.50 U ug/L					
HW32	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW32-P	Bromoform	1.00 U ug/L		80.00 ug/L		80.00 ug/L	
HW32	Butylbenzene	0.50 U ug/L					
HW32-P	Butylbenzene	0.50 U ug/L					
HW32	Butylbenzene, sec-	0.50 U ug/L					
HW32-P	Butylbenzene, sec-	0.50 U ug/L					
HW32	Butylbenzene, tert-	0.50 U ug/L					
HW32-P	Butylbenzene, tert-	0.50 U ug/L					
HW32	Carbon disulfide	0.50 U ug/L					
HW32-P	Carbon disulfide	0.50 U ug/L					
HW32	Carbon Tetrachloride	0.50 U 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
HW32-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW32-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW32	Chlorobromomethane	0.50 U ug/L					
HW32-P	Chlorobromomethane	0.50 U ug/L					
HW32	Chloroethane	0.50 U ug/L					
HW32-P	Chloroethane	0.50 U ug/L					
HW32	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW32-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW32	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW32-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW32	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW32-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW32	Cyclohexane	0.50 UJ ug/L					
HW32-P	Cyclohexane	0.50 UJ ug/L					
HW32	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW32-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW32	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW32-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW32	Dibromomethane	0.50 U ug/L					
HW32-P	Dibromomethane	0.50 U ug/L					
HW32	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW32-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW32	Dichlorobenzene-1,3	0.50 U ug/L					
HW32-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW32	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW32-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW32	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW32-P	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32	Dichlorodifluoromethane	0.50 U ug/L					
HW32-P	Dichlorodifluoromethane	0.50 U ug/L					
HW32	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW32-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW32	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW32-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW32	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW32-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW32	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW32-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW32	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW32-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW32	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW32-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW32	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW32-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW32	Dichloropropane, 2,2-	0.50 U ug/L					
HW32-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW32	Dichloropropene, 1,1-	0.50 U ug/L					
HW32-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW32	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW32-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW32	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW32-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW32	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW32-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW32	Freon 113	0.50 UJ ug/L					
HW32-P	Freon 113	0.50 UJ ug/L					
HW32	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-P	Hexanone, 2-	2.00 U ug/L	34.00 ug/L				
HW32	Isopropylbenzene	0.50 U ug/L					
HW32-P	Isopropylbenzene	0.50 U ug/L					
HW32	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW32-P	Isopropylbenzene-4,methyl-1	0.50 U ug/L					
HW32	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW32-P	m,p-Xylene	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW32	Methyl acetate	1.00 UJ ug/L					
HW32-P	Methyl acetate	1.00 UJ ug/L					
HW32	Methyl bromide	0.50 U ug/L					
HW32-P	Methyl bromide	0.50 U ug/L					
HW32	Methyl chloride	0.50 U ug/L					
HW32-P	Methyl chloride	0.50 U ug/L					
HW32	Methyl cyclohexane	0.50 UJ ug/L					
HW32-P	Methyl cyclohexane	0.50 UJ ug/L					
HW32	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW32-P	Methyl ethyl ketone	2.00 U ug/L	4,900.00 ug/L				
HW32	Methyl tertiary butyl ether (MTBE)	0.50 UJ ug/L					
HW32-P	Methyl tertiary butyl ether (MTBE)	0.50 UJ ug/L					
HW32	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32-P	Methylene chloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32	Propylbenzene-n	0.50 U ug/L					
HW32-P	Propylbenzene-n	0.50 U ug/L					
HW32	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW32-P	Styrene	1.00 U ug/L		100.00 ug/L		100.00 ug/L	
HW32	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW32-P	Tetrachloroethane, 1,1,1,2-	0.50 U ug/L	50.00 ug/L				
HW32	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				
HW32-P	Tetrachloroethane, 1,1,2,2-	0.50 U ug/L	6.60 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32-P	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW32-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW32	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW32-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW32	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW32-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW32	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW32-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW32	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW32-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW32	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW32	Trichlorofluoromethane	0.50 U ug/L					
HW32-P	Trichlorofluoromethane	0.50 U ug/L					
HW32	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW32-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW32	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW32-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW32	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW32-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW32	Vinyl acetate	0.50 U ug/L					
HW32-P	Vinyl acetate	0.50 U ug/L					
HW32	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW32-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW32	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW32-P	Xylene-o	1.00 U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW32	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW32-P	Nitrogen, Nitrite + Nitrate	0.05 U mg/L		10.00 mg/L		10.00 mg/L	
HW32	Total Nitrogen	1.00 U mg/L					
HW32-P	Total Nitrogen	1.00 U mg/L					
HW32	Total Phosphorus as P	0.05 U mg/L					
HW32-P	Total Phosphorus as P	0.05 U mg/L					

* 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).

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 Heterotropic 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.

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.

TPH - Total Petroleum Hydrocarbons

Key to EPA Validated Data Summary Report

Dimock Residential Sampling

April 4, 2012

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.

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.

Key to EPA Validated Data Summary Report

Dimock Residential Sampling

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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, or other symptoms. These pathogens may pose a special health risk for infants, young children, and people with severely compromised immune systems.

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.

Key to EPA Validated Data Summary Report

Dimock Residential Sampling

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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.

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.