

HW-46

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 2/2/2012

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW46	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW46-P	1-Butanol	10,000.00 U ug/L	1,500.00 ug/L				
HW46	1-Propanol	10,000.00 U ug/L					
HW46-P	1-Propanol	10,000.00 U ug/L					
HW46	2-Butanol	10,000.00 U ug/L					
HW46-P	2-Butanol	10,000.00 U ug/L					
HW46	Ethanol	10,000.00 U ug/L					
HW46-P	Ethanol	10,000.00 U ug/L					
HW46	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW46-P	Methanol	10,000.00 U ug/L	7,800.00 ug/L				
HW46	Anionic Surfactants	0.01 U mg/L					
HW46-P	Anionic Surfactants	0.01 U mg/L					
HW46	Heterotrophic Plate Count	R cfu/1mL					
HW46-P	Heterotrophic Plate Count	R cfu/1mL					
HW46	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW46-P	Total Coliform Bacteria	1.00 U cfu/100mL	0.00 cfu/100mL	5.00 %*			
HW46	Ethane	1.20 U ug/L					
HW46-P	Ethane	1.20 U ug/L					
HW46	Ethene	1.10 U ug/L					
HW46-P	Ethene	1.10 U ug/L					
HW46	Methane	6.20 U ug/L	28,000.00 ug/L				
HW46-P	Methane	6.20 U ug/L	28,000.00 ug/L				
HW46	2-Butoxyethanol	5.00 U ug/L					
HW46-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
HW46	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW46	2-Methoxyethanol	57.10	U ug/L	78.00 ug/L				
HW46-P	2-Methoxyethanol	10.00	U ug/L	78.00 ug/L				
HW46-P	2-Methoxyethanol	57.10	U ug/L	78.00 ug/L				
HW46	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW46	Diethylene glycol	R	ug/L	8,000.00 ug/L				
HW46-P	Diethylene glycol	R	ug/L	8,000.00 ug/L				
HW46-P	Diethylene Glycol	50.00	U ug/L	8,000.00 ug/L				
HW46	Ethanol, 2-ethoxy-	10,000.00	U ug/L					
HW46-P	Ethanol, 2-ethoxy-	10,000.00	U ug/L					
HW46	Ethanol, 2-methoxy-	10,000.00	U ug/L	78.00 ug/L				
HW46-P	Ethanol, 2-methoxy-	10,000.00	U ug/L	78.00 ug/L				
HW46	Ethylene glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW46	Ethylene glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW46-P	Ethylene glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW46-P	Ethylene glycol	10,000.00	U ug/L	31,000.00 ug/L				
HW46	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW46-P	Tetraethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW46	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW46	Triethylene glycol	R	ug/L	8,000.00 ug/L				
HW46-P	Triethylene glycol	R	ug/L	8,000.00 ug/L				
HW46-P	Triethylene glycol	25.00	U ug/L	8,000.00 ug/L				
HW46	Bromide	0.50	U mg/L					
HW46-P	Bromide	0.50	U mg/L					
HW46	Chloride	32.30	mg/L			250.00 mg/L		250.00 mg/L
HW46-P	Chloride	32.20	mg/L			250.00 mg/L		250.00 mg/L
HW46	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW46-P	Fluoride	0.10	U mg/L	0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW46	Sulfate	17.70	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
HW46-P	Sulfate	17.70	mg/L			250.00 mg/L		250.00 mg/L
HW46	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW46-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW46-P	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW46-PF	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW46	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW46-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW46-P	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW46-PF	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW46	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW46-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW46-P	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW46-PF	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW46	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW46-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW46-P	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW46-PF	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW46	Barium	104.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW46-F	Barium	98.90	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW46-P	Barium	104.00	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW46-PF	Barium	95.40	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW46	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW46-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW46-P	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW46-PF	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW46	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW46-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW46-P	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW46-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
HW46	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW46-F	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW46-P	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW46-PF	Cadmium	1.00	U ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW46	Calcium	26,100.00	ug/L					
HW46-F	Calcium	26,500.00	ug/L					
HW46-P	Calcium	26,600.00	ug/L					
HW46-PF	Calcium	25,800.00	ug/L					
HW46	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW46-F	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW46-P	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW46-PF	Chromium	2.00	U ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW46	Cobalt	1.00	U ug/L	4.70 ug/L				
HW46-F	Cobalt	1.00	U ug/L	4.70 ug/L				
HW46-P	Cobalt	1.00	U ug/L	4.70 ug/L				
HW46-PF	Cobalt	1.00	U ug/L	4.70 ug/L				
HW46	Copper	17.30	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW46-F	Copper	17.20	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW46-P	Copper	92.90	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW46-PF	Copper	91.60	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW46	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW46-F	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW46-P	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW46-PF	Iron	100.00	U ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW46	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW46-F	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW46-P	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW46-PF	Lead	1.00	U ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW46	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
HW46-F	Lithium	200.00	U ug/L	31.00 ug/L				
HW46-P	Lithium	200.00	U ug/L	31.00 ug/L				
HW46-PF	Lithium	200.00	U ug/L	31.00 ug/L				
HW46	Magnesium	4,670.00	ug/L					
HW46-F	Magnesium	4,730.00	ug/L					
HW46-P	Magnesium	4,760.00	ug/L					
HW46-PF	Magnesium	4,590.00	ug/L					
HW46	Manganese	2.50	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW46-F	Manganese	2.20	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW46-P	Manganese	2.50	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW46-PF	Manganese	2.20	ug/L	320.00 ug/L		50.00 ug/L		50.00 ug/L
HW46	Nickel	1.70	ug/L	300.00 ug/L				
HW46-F	Nickel	1.60	ug/L	300.00 ug/L				
HW46-P	Nickel	1.70	ug/L	300.00 ug/L				
HW46-PF	Nickel	1.60	ug/L	300.00 ug/L				
HW46	Potassium	4,220.00	ug/L					
HW46-F	Potassium	4,300.00	ug/L					
HW46-P	Potassium	4,320.00	ug/L					
HW46-PF	Potassium	4,160.00	ug/L					
HW46	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW46-F	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW46-P	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW46-PF	Selenium	5.00	U ug/L	78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW46	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW46-F	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW46-P	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW46-PF	Silver	1.00	U ug/L	71.00 ug/L		100.00 ug/L		100.00 ug/L
HW46	Sodium	14,900.00	ug/L	20,000.00 ug/L				
HW46-F	Sodium	15,200.00	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
HW46-P	Sodium	15,300.00	ug/L	20,000.00 ug/L				
HW46-PF	Sodium	14,800.00	ug/L	20,000.00 ug/L				
HW46	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW46-F	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW46-P	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW46-PF	Strontium	200.00 U	ug/L	9,300.00 ug/L				
HW46	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW46-F	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW46-P	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW46-PF	Thallium	1.00 U	ug/L	0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW46	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW46-F	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW46-P	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW46-PF	Tin	200.00 U	ug/L	9,300.00 ug/L				
HW46	Titanium	200.00 U	ug/L					
HW46-F	Titanium	200.00 U	ug/L					
HW46-P	Titanium	200.00 U	ug/L					
HW46-PF	Titanium	200.00 U	ug/L					
HW46	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW46-F	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW46-P	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW46-PF	Uranium	1.00 U	ug/L	47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW46	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW46-F	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW46-P	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW46-PF	Vanadium	5.00 U	ug/L	78.00 ug/L				
HW46	Zinc	10.90	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW46-F	Zinc	12.30	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW46-P	Zinc	11.60	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
HW46-PF	Zinc	12.30	ug/L	4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW46	Oil and Grease	5.00	UJ mg/L					
HW46-P	Oil and Grease	5.00	UJ mg/L					
HW46	Total Dissolved Solids	97.00	mg/L			500.00 mg/L		500.00 mg/L
HW46-P	Total Dissolved Solids	139.00	mg/L			500.00 mg/L		500.00 mg/L
HW46	Total Suspended Solids	10.00	U mg/L					
HW46-P	Total Suspended Solids	10.00	U mg/L					
HW46	1-Methylnaphthalene	4.76	U ug/L	97.00 ug/L				
HW46-P	1-Methylnaphthalene	4.76	U ug/L	97.00 ug/L				
HW46	Acenaphthene	57.10	U ug/L	400.00 ug/L				
HW46-P	Acenaphthene	57.10	U ug/L	400.00 ug/L				
HW46	Acenaphthylene	4.76	U ug/L					
HW46-P	Acenaphthylene	4.76	U ug/L					
HW46	Acetophenone	4.76	U ug/L	1,500.00 ug/L				
HW46-P	Acetophenone	4.76	U ug/L	1,500.00 ug/L				
HW46	Anthracene	4.76	U ug/L	1,300.00 ug/L				
HW46-P	Anthracene	4.76	U ug/L	1,300.00 ug/L				
HW46	Atrazine	4.76	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW46-P	Atrazine	4.76	U ug/L	26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW46	Benzo(a)anthracene	4.76	U ug/L	2.90 ug/L				
HW46-P	Benzo(a)anthracene	4.76	U ug/L	2.90 ug/L				
HW46	Benzo(a)pyrene	4.76	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW46-P	Benzo(a)pyrene	4.76	U ug/L	0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW46	Biphenyl	4.76	U ug/L					
HW46-P	Biphenyl	4.76	U ug/L					
HW46	Bromophenyl-4 Phenyl Ether	57.10	U ug/L					
HW46-P	Bromophenyl-4 Phenyl Ether	57.10	U ug/L					
HW46	Butylbenzyl phthalate	4.76	U ug/L	1,400.00 ug/L				
HW46-P	Butylbenzyl phthalate	4.76	U ug/L	1,400.00 ug/L				

Sample Number	Analyte	Result	Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW46	Caprolactam	4.76 U ug/L	7,700.00 ug/L				
HW46-P	Caprolactam	4.76 U ug/L	7,700.00 ug/L				
HW46	Carbazole	4.76 U ug/L					
HW46-P	Carbazole	4.76 U ug/L					
HW46	Chlorobenzenamine-4	4.76 U ug/L	3.20 ug/L				
HW46-P	Chlorobenzenamine-4	4.76 U ug/L	3.20 ug/L				
HW46	Chloronaphthalene-2	4.76 U ug/L	550.00 ug/L				
HW46-P	Chloronaphthalene-2	4.76 U ug/L	550.00 ug/L				
HW46	Chlorophenol-2	4.76 U ug/L	71.00 ug/L				
HW46-P	Chlorophenol-2	4.76 U ug/L	71.00 ug/L				
HW46	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW46-P	Chlorophenyl-4 phenyl ether	4.76 U ug/L					
HW46	Chrysene	4.76 U ug/L	290.00 ug/L				
HW46-P	Chrysene	4.76 U ug/L	290.00 ug/L				
HW46	Cresol, parachloro meta-	4.76 U ug/L					
HW46-P	Cresol, parachloro meta-	4.76 U ug/L					
HW46	Cresol-4,6-dinitro-ortho	57.10 U ug/L					
HW46-P	Cresol-4,6-dinitro-ortho	57.10 U ug/L					
HW46	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW46-P	Cresol-o	4.76 U ug/L	720.00 ug/L				
HW46	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW46-P	Cresol-p	4.76 U ug/L	72.00 ug/L				
HW46	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW46-P	Dibenz(a,h)anthracene	4.76 U ug/L	0.29 ug/L				
HW46	Dibenzofuran	4.76 U ug/L					
HW46-P	Dibenzofuran	4.76 U ug/L					
HW46	Dichlorobenzidine-3,3'	4.76 U ug/L	11.00 ug/L				
HW46-P	Dichlorobenzidine-3,3'	4.76 U ug/L	11.00 ug/L				
HW46	Dichlorophenol-2,4	4.76 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
HW46-P	Dichlorophenol-2,4	4.76	U ug/L	35.00 ug/L				
HW46	Dimethylphenol, 2,4-	4.76	U ug/L	270.00 ug/L				
HW46-P	Dimethylphenol, 2,4-	4.76	U ug/L	270.00 ug/L				
HW46	Dinitrophenol-2,4	57.10	U ug/L	30.00 ug/L				
HW46-P	Dinitrophenol-2,4	57.10	U ug/L	30.00 ug/L				
HW46	Dinitrotoluene-2,4	4.76	U ug/L					
HW46-P	Dinitrotoluene-2,4	4.76	U ug/L					
HW46	Dinitrotoluene-2,6	57.10	U ug/L					
HW46-P	Dinitrotoluene-2,6	57.10	U ug/L					
HW46	Ether, bis(2-chloroethyl)	4.76	U ug/L	1.20 ug/L				
HW46-P	Ether, bis(2-chloroethyl)	4.76	U ug/L	1.20 ug/L				
HW46	Ether-bis(2-chloroisopropyl)	57.10	U ug/L					
HW46-P	Ether-bis(2-chloroisopropyl)	57.10	U ug/L					
HW46	Fluoranthene	4.76	U ug/L	630.00 ug/L				
HW46-P	Fluoranthene	4.76	U ug/L	630.00 ug/L				
HW46	Fluoranthene benzo(k)	4.76	U ug/L	29.00 ug/L				
HW46-P	Fluoranthene benzo(k)	4.76	U ug/L	29.00 ug/L				
HW46	Fluoranthene-benzo(b)	4.76	U ug/L	5.60 ug/L				
HW46-P	Fluoranthene-benzo(b)	4.76	U ug/L	5.60 ug/L				
HW46	Fluorene	57.10	U ug/L	220.00 ug/L				
HW46-P	Fluorene	57.10	U ug/L	220.00 ug/L				
HW46	Hexachlorobenzene	4.76	U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW46-P	Hexachlorobenzene	4.76	U ug/L	4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW46	Hexachlorobutadiene	4.76	U ug/L	26.00 ug/L				
HW46	Hexachlorobutadiene	0.50	U ug/L	26.00 ug/L				
HW46-P	Hexachlorobutadiene	4.76	U ug/L	26.00 ug/L				
HW46-P	Hexachlorobutadiene	0.50	U ug/L	26.00 ug/L				
HW46	Hexachlorocyclopentadiene	4.76	U ug/L	22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW46-P	Hexachlorocyclopentadiene	4.76	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
HW46	Hexachloroethane	4.76	U ug/L	5.10 ug/L				
HW46-P	Hexachloroethane	4.76	U ug/L	5.10 ug/L				
HW46	Isophorone	4.76	U ug/L	6,700.00 ug/L				
HW46-P	Isophorone	4.76	U ug/L	6,700.00 ug/L				
HW46	Methane, bis(2-chloroethoxy)	4.76	U ug/L	47.00 ug/L				
HW46-P	Methane, bis(2-chloroethoxy)	4.76	U ug/L	47.00 ug/L				
HW46	Methylnaphthalene-2	4.76	U ug/L	27.00 ug/L				
HW46-P	Methylnaphthalene-2	4.76	U ug/L	27.00 ug/L				
HW46	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW46	Naphthalene	4.76	U ug/L	14.00 ug/L				
HW46-P	Naphthalene	4.76	U ug/L	14.00 ug/L				
HW46-P	Naphthalene	0.50	U ug/L	14.00 ug/L				
HW46	Nitroaniline, ortho	4.76	U ug/L	150.00 ug/L				
HW46-P	Nitroaniline, ortho	4.76	U ug/L	150.00 ug/L				
HW46	Nitroaniline-3	4.76	U ug/L					
HW46-P	Nitroaniline-3	4.76	U ug/L					
HW46	Nitrobenzenamine-4	4.76	U ug/L	61.00 ug/L				
HW46-P	Nitrobenzenamine-4	4.76	U ug/L	61.00 ug/L				
HW46	Nitrobenzene	4.76	U ug/L	12.00 ug/L				
HW46-P	Nitrobenzene	4.76	U ug/L	12.00 ug/L				
HW46	Nitrophenol-2	4.76	U ug/L					
HW46-P	Nitrophenol-2	4.76	U ug/L					
HW46	Nitrophenol-4	9.52	U ug/L					
HW46-P	Nitrophenol-4	9.52	U ug/L					
HW46	Nitrosodimethylamine-n	4.76	U ug/L	0.04 ug/L				
HW46-P	Nitrosodimethylamine-n	4.76	U ug/L	0.04 ug/L				
HW46	Nitrosodiphenylamine-n	4.76	U ug/L	1,000.00 ug/L				
HW46-P	Nitrosodiphenylamine-n	4.76	U ug/L	1,000.00 ug/L				
HW46	Pentachlorophenol	57.10	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
HW46-P	Pentachlorophenol	57.10	U ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW46	Perylene-benzo(ghi)	4.76	U ug/L					
HW46-P	Perylene-benzo(ghi)	4.76	U ug/L					
HW46	Phenanthrene	57.10	U ug/L					
HW46-P	Phenanthrene	57.10	U ug/L					
HW46	Phenol	4.76	U ug/L	4,500.00 ug/L				
HW46-P	Phenol	4.76	U ug/L	4,500.00 ug/L				
HW46	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW46-P	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW46	Phthalate, Dimethyl	4.76	U ug/L	1,400.00 ug/L				
HW46-P	Phthalate, Dimethyl	4.76	U ug/L	1,400.00 ug/L				
HW46	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW46-P	Phthalate, di-n-butyl-	5.00	U ug/L	670.00 ug/L				
HW46	Phthalate, di-n-octyl	4.76	U ug/L					
HW46-P	Phthalate, di-n-octyl	4.76	U ug/L					
HW46	Phthalate-diethyl	4.76	U ug/L	11,000.00 ug/L				
HW46-P	Phthalate-diethyl	4.76	U ug/L	11,000.00 ug/L				
HW46	Propylamine,n-nitroso di-n-	4.76	U ug/L	0.93 ug/L				
HW46-P	Propylamine,n-nitroso di-n-	4.76	U ug/L	0.93 ug/L				
HW46	Pyrene	57.10	U ug/L	87.00 ug/L				
HW46-P	Pyrene	57.10	U ug/L	87.00 ug/L				
HW46	Pyrene-indeno(1,2,3-cd)	4.76	U ug/L	3.00 ug/L				
HW46-P	Pyrene-indeno(1,2,3-cd)	4.76	U ug/L	3.00 ug/L				
HW46	Tetrachlorobenzene, 1,2,4,5-	4.76	U ug/L	1.20 ug/L				
HW46-P	Tetrachlorobenzene, 1,2,4,5-	4.76	U ug/L	1.20 ug/L				
HW46	Tetrachlorophenol, 2,3,4,6-	4.76	U ug/L	170.00 ug/L				
HW46-P	Tetrachlorophenol, 2,3,4,6-	4.76	U ug/L	170.00 ug/L				
HW46	Trichlorophenol-2,4,5	4.76	U ug/L	890.00 ug/L				
HW46-P	Trichlorophenol-2,4,5	4.76	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
HW46	Trichlorophenol-2,4,6	4.76	U ug/L	9.04 ug/L				
HW46-P	Trichlorophenol-2,4,6	4.76	U ug/L	9.04 ug/L				
HW46	TPH - Diesel Range Organics	250.00	U ug/L					
HW46-P	TPH - Diesel Range Organics	250.00	U ug/L					
HW46	TPH - Gasoline Range Organics	50.00	U ug/L					
HW46-P	TPH - Gasoline Range Organics	50.00	U ug/L					
HW46	TPH - Oil Range Organics	1,000.00	U ug/L					
HW46-P	TPH - Oil Range Organics	1,000.00	U ug/L					
HW46	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW46-P	1,2-Dibromo-3-chloropropane (DBCP)	0.50	U ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW46	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00 ug/L				
HW46-P	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00 ug/L				
HW46	Acetone	2.00	U ug/L					
HW46-P	Acetone	2.00	U ug/L					
HW46	Benzene	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW46-P	Benzene	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW46	Bromobenzene	0.50	U ug/L					
HW46-P	Bromobenzene	0.50	U ug/L					
HW46	Bromoform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW46-P	Bromoform	0.50	U ug/L		80.00 ug/L		80.00 ug/L	
HW46	Butylbenzene	0.50	U ug/L					
HW46-P	Butylbenzene	0.50	U ug/L					
HW46	Butylbenzene, sec-	0.50	U ug/L					
HW46-P	Butylbenzene, sec-	0.50	U ug/L					
HW46	Butylbenzene, tert-	0.50	U ug/L					
HW46-P	Butylbenzene, tert-	0.50	U ug/L					
HW46	Carbon disulfide	0.50	U ug/L					
HW46-P	Carbon disulfide	0.50	U ug/L					
HW46	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
HW46-P	Carbon Tetrachloride	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW46	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW46-P	Chlorobenzene	0.50 U ug/L		100.00 ug/L			
HW46	Chlorobromomethane	0.50 U ug/L					
HW46-P	Chlorobromomethane	0.50 U ug/L					
HW46	Chloroethane	0.50 U ug/L					
HW46-P	Chloroethane	0.50 U ug/L					
HW46	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW46-P	Chloroform	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW46	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW46-P	Chlorotoluene	0.50 U ug/L	180.00 ug/L				
HW46	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW46-P	Chlorotoluene-p	0.50 U ug/L	190.00 ug/L				
HW46	Cyclohexane	0.50 UJ ug/L					
HW46-P	Cyclohexane	0.50 UJ ug/L					
HW46	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW46-P	Dibromochloromethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW46	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW46-P	Dibromoethane-1,2	0.50 U ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW46	Dibromomethane	0.50 U ug/L					
HW46-P	Dibromomethane	0.50 U ug/L					
HW46	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW46-P	Dichlorobenzene-1,2	0.50 U ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW46	Dichlorobenzene-1,3	0.50 U ug/L					
HW46-P	Dichlorobenzene-1,3	0.50 U ug/L					
HW46	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW46-P	Dichlorobenzene-1,4	0.50 U ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW46	Dichlorobromomethane	0.50 U ug/L		80.00 ug/L		80.00 ug/L	
HW46-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
HW46	Dichlorodifluoromethane	0.50 U ug/L					
HW46-P	Dichlorodifluoromethane	0.50 U ug/L					
HW46	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW46-P	Dichloroethane-1,1	0.50 U ug/L	240.00 ug/L				
HW46	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW46-P	Dichloroethane-1,2	0.50 U ug/L	15.00 ug/L	5.00 ug/L		5.00 ug/L	
HW46	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW46-P	Dichloroethene-1,2 trans	0.50 U ug/L		100.00 ug/L		100.00 ug/L	
HW46	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW46-P	Dichloroethylene-1,1	0.50 U ug/L		7.00 ug/L		7.00 ug/L	
HW46	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW46-P	Dichloroethylene-1,2 cis	0.50 U ug/L		70.00 ug/L		70.00 ug/L	
HW46	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW46-P	Dichloropropane, 1,2-	0.50 U ug/L	38.00 ug/L	5.00 ug/L		5.00 ug/L	
HW46	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW46-P	Dichloropropane, 1,3-	0.50 U ug/L	290.00 ug/L				
HW46	Dichloropropane, 2,2-	0.50 U ug/L					
HW46-P	Dichloropropane, 2,2-	0.50 U ug/L					
HW46	Dichloropropene, 1,1-	0.50 U ug/L					
HW46-P	Dichloropropene, 1,1-	0.50 U ug/L					
HW46	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW46-P	Dichloropropene, 1,3 cis-	0.50 U ug/L					
HW46	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW46-P	Dichloropropene, 1,3 trans-	0.50 U ug/L					
HW46	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW46-P	Ethylbenzene	0.50 U ug/L		700.00 ug/L		700.00 ug/L	
HW46	Freon 113	0.50 UJ ug/L					
HW46-P	Freon 113	0.50 UJ ug/L					
HW46	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
HW46-P	Hexanone, 2-	2.00	U ug/L	34.00 ug/L				
HW46	Isopropylbenzene	0.50	U ug/L					
HW46-P	Isopropylbenzene	0.50	U ug/L					
HW46	Isopropylbenzene-4,methyl-1	0.50	U ug/L					
HW46-P	Isopropylbenzene-4,methyl-1	0.50	U ug/L					
HW46	m,p-Xylene	1.00	U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW46-P	m,p-Xylene	1.00	U ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW46	Methyl acetate	0.50	UJ ug/L					
HW46-P	Methyl acetate	0.50	UJ ug/L					
HW46	Methyl bromide	0.50	U ug/L					
HW46-P	Methyl bromide	0.50	U ug/L					
HW46	Methyl chloride	0.50	U ug/L					
HW46-P	Methyl chloride	0.50	U ug/L					
HW46	Methyl cyclohexane	0.50	UJ ug/L					
HW46-P	Methyl cyclohexane	0.50	UJ ug/L					
HW46	Methyl ethyl ketone	2.00	U ug/L	4,900.00 ug/L				
HW46-P	Methyl ethyl ketone	2.00	U ug/L	4,900.00 ug/L				
HW46	Methyl tertiary butyl ether (MTBE)	0.50	UJ ug/L					
HW46-P	Methyl tertiary butyl ether (MTBE)	0.50	UJ ug/L					
HW46	Methylene chloride	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW46-P	Methylene chloride	0.50	U ug/L		5.00 ug/L		5.00 ug/L	
HW46	Propylbenzene-n	0.50	U ug/L					
HW46-P	Propylbenzene-n	0.50	U ug/L					
HW46	Styrene	1.00	UJ ug/L		100.00 ug/L		100.00 ug/L	
HW46-P	Styrene	1.00	UJ ug/L		100.00 ug/L		100.00 ug/L	
HW46	Tetrachloroethane, 1,1,1,2-	0.50	U ug/L	50.00 ug/L				
HW46-P	Tetrachloroethane, 1,1,1,2-	0.50	U ug/L	50.00 ug/L				
HW46	Tetrachloroethane, 1,1,2,2-	0.50	U ug/L	6.60 ug/L				
HW46-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
HW46	Tetrachloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW46-P	Tetrachloroethylene	0.10 J ug/L		5.00 ug/L		5.00 ug/L	
HW46	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW46-P	Toluene	0.50 U ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW46	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW46-P	Trichlorobenzene-1,2,3	0.50 U ug/L	5.20 ug/L				
HW46	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW46-P	Trichlorobenzene-1,2,4	0.50 U ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW46	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW46-P	Trichloroethane-1,1,1	0.50 U ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW46	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW46-P	Trichloroethane-1,1,2	0.50 U ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW46	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW46-P	Trichloroethylene	0.50 U ug/L		5.00 ug/L		5.00 ug/L	
HW46	Trichlorofluoromethane	0.50 U ug/L					
HW46-P	Trichlorofluoromethane	0.50 U ug/L					
HW46	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW46-P	Trichloropropane-1,2,3	0.50 U ug/L	0.07 ug/L				
HW46	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW46-P	Trimethylbenzene-1,2,4	0.50 U ug/L	15.00 ug/L				
HW46	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW46-P	Trimethylbenzene-1,3,5	0.50 U ug/L	87.00 ug/L				
HW46	Vinyl acetate	0.50 U ug/L					
HW46-P	Vinyl acetate	0.50 U ug/L					
HW46	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW46-P	Vinyl chloride	0.50 U ug/L		2.00 ug/L		2.00 ug/L	
HW46	Xylene-o	1.00 UJ ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW46-P	Xylene-o	1.00 UJ ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW46	Nitrogen, Nitrite + Nitrate	3.66 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
HW46-P	Nitrogen, Nitrite + Nitrate	3.64	mg/L		10.00 mg/L		10.00 mg/L	
HW46	Total Nitrogen	3.86	mg/L					
HW46-P	Total Nitrogen	3.87	mg/L					
HW46	Total Phosphorus as P	0.05 U	mg/L					
HW46-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

April 4, 2012

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

April 4, 2012

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.