

# HW-17

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 1/27/2012

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	2-Butanol	10.00	U ug/mL										
HW17	Ethanol	10.00	U ug/mL										
HW17	Methanol	10.00	U ug/mL	7.80	ug/mL								
HW17	Anionic Surfactants	0.01	U mg/L										
HW17	Heterotrophic Plate Count		R cfu/1mL										
HW17	Total Coliform Bacteria	1.00	UJ cfu/100mL	0.00	cfu/100mL	5.00	%						
HW17	Ethane	40.00	ug/L										
HW17	Ethene	1.10	U ug/L										
HW17	Methane	3,300.00	ug/L	28,000.00	ug/L								
HW17	2-Butoxyethanol	5.00	U ug/L										
HW17	2-Methoxyethanol	10.00	UJ ug/L	78.00	ug/L								
HW17	2-Methoxyethanol	57.90	U ug/L	78.00	ug/L								
HW17	Diethylene glycol		R ug/L	8,000.00	ug/L								
HW17	Diethylene Glycol	50.00	U ug/L	8,000.00	ug/L								
HW17	Ethanol, 2-ethoxy-	10,000.00	U ug/L										
HW17	Ethanol, 2-methoxy-	10,000.00	U ug/L	78.00	ug/L								
HW17	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW17	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW17	Tetraethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW17	Triethylene glycol	10,000.00	U ug/L	8,000.00	ug/L								
HW17	Triethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW17	Bromide	0.50	U mg/L										
HW17	Chloride	7.12	mg/L					250.00	mg/L			250.00	mg/L
HW17	Fluoride	0.10	U mg/L	0.62	mg/L	4.00	mg/L	2.00	mg/L	2.00	mg/L		

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Sulfate	10.40	mg/L					250.00	mg/L			250.00	mg/L
HW17	Mercury	0.20	U ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW17-F	Mercury	0.20	U ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW17	Aluminum	30.00	U ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW17-F	Aluminum	30.00	U ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW17	Antimony	2.00	U ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW17-F	Antimony	2.00	U ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW17	Arsenic	2.70	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW17-F	Arsenic	2.40	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW17	Barium	239.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW17-F	Barium	218.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW17	Beryllium	1.00	U ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW17-F	Beryllium	1.00	U ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW17	Boron	50.00	U ug/L	3,100.00	ug/L								
HW17-F	Boron	50.00	U ug/L	3,100.00	ug/L								
HW17	Cadmium	1.00	U ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW17-F	Cadmium	1.00	U ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW17	Calcium	33,100.00	ug/L										
HW17-F	Calcium	32,700.00	ug/L										
HW17	Chromium	2.00	U ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW17-F	Chromium	2.00	U ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW17	Cobalt	1.00	U ug/L	4.70	ug/L								
HW17-F	Cobalt	1.00	U ug/L	4.70	ug/L								
HW17	Copper	3.50	ug/L	620.00	ug/L	1,300.00	ug/L	1,000.00	ug/L	1,000.00	ug/L		
HW17-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		
HW17	Iron	100.00	U ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW17-F	Iron	100.00	U ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW17	Lead	1.00	U ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		
HW17-F	Lead	1.00	U ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Lithium	200.00	U ug/L	31.00	ug/L								
HW17-F	Lithium	200.00	U ug/L	31.00	ug/L								
HW17	Magnesium	6,640.00	ug/L										
HW17-F	Magnesium	6,540.00	ug/L										
HW17	Manganese	40.00	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW17-F	Manganese	35.90	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW17	Nickel	1.20	ug/L	300.00	ug/L								
HW17-F	Nickel	1.40	ug/L	300.00	ug/L								
HW17	Potassium	2,000.00	U ug/L										
HW17-F	Potassium	2,000.00	U ug/L										
HW17	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW17-F	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW17	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW17-F	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW17	Sodium	12,100.00	ug/L	20,000.00	ug/L								
HW17-F	Sodium	12,000.00	ug/L	20,000.00	ug/L								
HW17	Strontium	835.00	ug/L	9,300.00	ug/L								
HW17-F	Strontium	831.00	ug/L	9,300.00	ug/L								
HW17	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW17-F	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW17	Tin	200.00	U ug/L	9,300.00	ug/L								
HW17-F	Tin	200.00	U ug/L	9,300.00	ug/L								
HW17	Titanium	200.00	U ug/L										
HW17-F	Titanium	200.00	U ug/L										
HW17	Uranium	3.70	ug/L	47.00	ug/L	30.00	ug/L						
HW17-F	Uranium	3.40	ug/L	47.00	ug/L	30.00	ug/L						
HW17	Vanadium	5.00	U ug/L	78.00	ug/L								
HW17-F	Vanadium	5.00	U ug/L	78.00	ug/L								
HW17	Zinc	6.50	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17-F	Zinc	4.40	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW17	Oil and Grease	5.30	U mg/L										
HW17	Total Dissolved Solids	52.00	J mg/L					500.00	mg/L			500.00	mg/L
HW17	Total Suspended Solids	10.00	U mg/L										
HW17	1-Methylnaphthalene	5.00	U ug/L	97.00	ug/ L								
HW17	Acenaphthene	5.00	U ug/L	400.00	ug/L								
HW17	Acenaphthylene	5.00	U ug/L										
HW17	Acetophenone	5.00	U ug/L	1,500.00	ug/L								
HW17	Anthracene	5.00	U ug/L	1,300.00	ug/L								
HW17	Atrazine	5.00	U ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW17	Benzo(a)anthracene	5.00	U ug/L	2.90	ug/L								
HW17	Benzo(a)pyrene	5.00	U ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW17	Biphenyl	5.00	U ug/L										
HW17	Bromophenyl-4 Phenyl Ether	5.00	U ug/L										
HW17	Butylbenzyl phthalate	5.00	U ug/L	1,400.00	ug/L								
HW17	Caprolactam	5.00	U ug/L	7,700.00	ug/L								
HW17	Carbazole	5.00	U ug/L										
HW17	Chlorobenzenamine-4	5.00	U ug/L	3.20	ug/L								
HW17	Chloronaphthalene-2	5.00	U ug/L	550.00	ug/L								
HW17	Chlorophenol-2	5.00	U ug/L	71.00	ug/L								
HW17	Chlorophenyl-4 phenyl ether	5.00	U ug/L										
HW17	Chrysene	5.00	U ug/L	290.00	ug/L								
HW17	Cresol, parachloro meta-	5.00	U ug/L										
HW17	Cresol-4,6-dinitro-ortho	10.00	U ug/L										
HW17	Cresol-o	5.00	U ug/L	720.00	ug/L								
HW17	Cresol-p	5.00	U ug/L	72.00	ug/L								
HW17	Dibenz(a,h)anthracene	5.00	U ug/L	0.29	ug/L								
HW17	Dibenzofuran	5.00	U ug/L										
HW17	Dichlorobenzidine-3,3'	5.00	U ug/L	11.00	ug/L								

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Dichlorophenol-2,4	5.00	U ug/L	35.00	ug/L								
HW17	Dimethylphenol, 2,4-	5.00	U ug/L	270.00	ug/L								
HW17	Dinitrophenol-2,4	5.00	U ug/L	30.00	ug/L								
HW17	Dinitrotoluene-2,4	5.00	U ug/L										
HW17	Dinitrotoluene-2,6	5.00	U ug/L										
HW17	Ether, bis(2-chloroethyl)	5.00	U ug/L	1.20	ug/L								
HW17	Ether-bis(2-chloroisopropyl)	5.00	U ug/L										
HW17	Fluoranthene	5.00	U ug/L	630.00	ug/L								
HW17	Fluoranthene benzo(k)	5.00	U ug/L	29.00	ug/L								
HW17	Fluoranthene-benzo(b)	5.00	U ug/L	5.60	ug/L								
HW17	Fluorene	5.00	U ug/L	220.00	ug/L								
HW17	Hexachlorobenzene	5.00	U ug/L	4.20	ug/L	1.00	ug/L			1.00	ug/L		
HW17	Hexachlorobutadiene	0.50	U ug/L	26.00	ug/L								
HW17	Hexachlorobutadiene	5.00	U ug/L	26.00	ug/L								
HW17	Hexachlorocyclopentadiene	5.00	U ug/L	22.00	ug/L	50.00	ug/L			50.00	ug/L		
HW17	Hexachloroethane	5.00	U ug/L	5.10	ug/L								
HW17	Isophorone	5.00	U ug/L	6,700.00	ug/L								
HW17	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00	ug/L								
HW17	Methylnaphthalene-2	5.00	U ug/L	27.00	ug/L								
HW17	Naphthalene	5.00	U ug/L	14.00	ug/L								
HW17	Naphthalene	0.50	U ug/L	14.00	ug/L								
HW17	Nitroaniline, ortho	5.00	U ug/L	150.00	ug/L								
HW17	Nitroaniline-3	5.00	U ug/L										
HW17	Nitrobenzenamine-4	5.00	U ug/L	61.00	ug/L								
HW17	Nitrobenzene	5.00	U ug/L	12.00	ug/L								
HW17	Nitrophenol-2	5.00	U ug/L										
HW17	Nitrophenol-4	10.00	U ug/L										
HW17	Nitrosodimethylamine-n	5.00	U ug/L	0.04	ug/L								
HW17	Nitrosodiphenylamine-n	5.00	U ug/L	1,000.00	ug/L								

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Pentachlorophenol	5.00	U ug/L	17.00	ug/L	1.00	ug/L			1.00	ug/L		
HW17	Perylene-benzo(ghi)	5.00	U ug/L										
HW17	Phenanthrene	5.00	U ug/L										
HW17	Phenol	5.00	U ug/L	4,500.00	ug/L								
HW17	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10	ug/L	6.00	ug/L			6.00	ug/L		
HW17	Phthalate, Dimethyl	5.00	U ug/L	1,400.00	ug/L								
HW17	Phthalate, di-n-butyl-	5.00	U ug/L	670.00	ug/L								
HW17	Phthalate, di-n-octyl	5.00	U ug/L										
HW17	Phthalate-diethyl	5.00	U ug/L	11,000.00	ug/L								
HW17	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93	ug/L								
HW17	Pyrene	5.00	U ug/L	87.00	ug/L								
HW17	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00	ug/L								
HW17	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20	ug/L								
HW17	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00	ug/L								
HW17	Trichlorophenol-2,4,5	5.00	U ug/L	890.00	ug/L								
HW17	Trichlorophenol-2,4,6	5.00	U ug/L	9.04	ug/L								
HW17	TPH - Diesel Range Organics	250.00	U ug/L										
HW17	TPH - Oil Range Organics	1,000.00	U ug/L										
HW17	TPH as Gasoline	50.00	U ug/L										
HW17	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00	ug/L								
HW17	Acetone	2.00	U ug/L										
HW17	Benzene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW17	Bromobenzene	0.50	U ug/L										
HW17	Bromoform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW17	Butylbenzene	0.50	U ug/L										
HW17	Butylbenzene, sec-	0.50	U ug/L										
HW17	Butylbenzene, tert-	0.50	U ug/L										
HW17	Carbon disulfide	0.50	U ug/L										
HW17	Carbon Tetrachloride	0.50	U ug/L			5.00	ug/L			5.00	ug/L		

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Chlorobenzene	0.50	U ug/L			100.00	ug/L						
HW17	Chlorobromomethane	0.50	U ug/L										
HW17	Chloroethane	0.50	U ug/L										
HW17	Chloroform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW17	Chlorotoluene	0.50	U ug/L	180.00	ug/L								
HW17	Chlorotoluene-p	0.50	U ug/L	190.00	ug/L								
HW17	Cyclohexane	0.50	U ug/L										
HW17	DBCP	0.50	U ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW17	Dibromochloromethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW17	Dibromoethane-1,2	0.50	U ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW17	Dibromomethane	0.50	U ug/L										
HW17	Dichlorobenzene-1,2	0.50	U ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW17	Dichlorobenzene-1,3	0.50	U ug/L										
HW17	Dichlorobenzene-1,4	0.50	U ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW17	Dichlorobromomethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW17	Dichlorodifluoromethane	0.50	U ug/L										
HW17	Dichloroethane-1,1	0.50	U ug/L	240.00	ug/L								
HW17	Dichloroethane-1,2	0.50	U ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW17	Dichloroethene-1,2 trans	0.50	U ug/L										
HW17	Dichloroethylene-1,1	0.50	U ug/L			7.00	ug/L			7.00	ug/L		
HW17	Dichloroethylene-1,2 cis	0.50	U ug/L			70.00	ug/L			70.00	ug/L		
HW17	Dichloropropane, 1,2-	0.50	U ug/L	38.00	ug/L	5.00	ug/L			5.00	ug/L		
HW17	Dichloropropane, 1,3-	0.50	U ug/L	290.00	ug/L								
HW17	Dichloropropane, 2,2-	0.50	U ug/L										
HW17	Dichloropropene, 1,1-	0.50	U ug/L										
HW17	Dichloropropene, 1,3 cis-	0.50	U ug/L										
HW17	Dichloropropene, 1,3 trans-	0.50	U ug/L										
HW17	Ethylbenzene	0.50	U ug/L			700.00	ug/L			700.00	ug/L		
HW17	Freon 113	0.50	U ug/L										

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Hexanone, 2-	2.00	U ug/L	34.00	ug/L								
HW17	Isopropylbenzene	0.50	U ug/L										
HW17	Isopropylbenzene-4,methyl-1	0.50	U ug/L										
HW17	m,p-Xylene	1.00	U ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW17	Methyl acetate	0.50	U ug/L										
HW17	Methyl bromide	0.50	U ug/L										
HW17	Methyl chloride	0.50	U ug/L										
HW17	Methyl cyclohexane	0.50	U ug/L										
HW17	Methyl ethyl ketone	2.00	U ug/L	4,900.00	ug/L								
HW17	Methyl tertiary butyl ether (MTBE)	0.50	U ug/L										
HW17	Methylene chloride	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW17	Propylbenzene-n	0.50	U ug/L										
HW17	Styrene	1.00	U ug/L			100.00	ug/L			100.00	ug/L		
HW17	Tetrachloroethane, 1,1,1,2-	0.50	U ug/L	50.00	ug/L								
HW17	Tetrachloroethane, 1,1,2,2-	0.50	U ug/L	6.60	ug/L								
HW17	Tetrachloroethylene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW17	Toluene	0.50	U ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW17	Trichlorobenzene-1,2,3	0.50	U ug/L	5.20	ug/L								
HW17	Trichlorobenzene-1,2,4	0.50	U ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW17	Trichloroethane-1,1,1	0.50	U ug/L	7,500.00	ug/L	200.00	ug/L			200.00	ug/L		
HW17	Trichloroethane-1,1,2	0.50	U ug/L	0.41	ug/L	5.00	ug/L			5.00	ug/L		
HW17	Trichloroethylene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW17	Trichlorofluoromethane	0.50	U ug/L										
HW17	Trichloropropane-1,2,3	0.50	U ug/L	0.07	ug/L								
HW17	Trimethylbenzene-1,2,4	0.50	U ug/L	15.00	ug/L								
HW17	Trimethylbenzene-1,3,5	0.50	U ug/L	87.00	ug/L								
HW17	Vinyl acetate	0.50	U ug/L										
HW17	Vinyl chloride	0.50	U ug/L			2.00	ug/L			2.00	ug/L		
HW17	Xylene-o	1.00	U ug/L			10,000.00	ug/L			10,000.00	ug/L		

Sample Number	Analyte	Result	Result Units	Trigger Level	Trigger Level Units	EPA Primary MCLs	EPA Primary MCL Units	EPA Secondary MCL	EPA Secondary MCL Units	DEP Primary MCLs	DEP Primary MCL Units	DEP Secondary MCLs	DEP Secondary MCL Units
HW17	Nitrogen, Nitrite + Nitrate	0.71	mg/L			10.00	mg/L			10.00	mg/L		
HW17	Total Nitrogen	1.00	U mg/L										
HW17	Total Phosphorus as P	0.05	U mg/L										