

# HW-12

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 1/26/2012

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
HW12	2-Butanol	10.00	U ug/mL										
HW12	Ethanol	10.00	U ug/mL										
HW12	Methanol	10.00	U ug/mL	7.80	ug/mL								
HW12	Anionic Surfactants	0.01	mg/L										
HW12	Heterotrophic Plate Count	R	cfu/1mL										
HW12	Total Coliform Bacteria	1.00	UJ cfu/100mL	0.00	cfu/100mL	5.00	%						
HW12	Ethane	2,000.00	ug/L										
HW12	Ethene	1.10	U ug/L										
HW12	Methane	<b>52,000.00</b>	ug/L	28,000.00	ug/L								
HW12	2-Butoxyethanol	5.00	U ug/L										
HW12	2-Methoxyethanol	10.00	UJ ug/L	78.00	ug/L								
HW12	2-Methoxyethanol	57.90	U ug/L	78.00	ug/L								
HW12	Diethylene glycol	10,000.00	U ug/L	8,000.00	ug/L								
HW12	Diethylene Glycol	50.00	U ug/L	8,000.00	ug/L								
HW12	Ethanol, 2-ethoxy-	10,000.00	U ug/L										
HW12	Ethanol, 2-methoxy-	10,000.00	U ug/L	78.00	ug/L								
HW12	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW12	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW12	Tetraethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW12	Triethylene glycol	10,000.00	U ug/L	8,000.00	ug/L								
HW12	Triethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW12	Bromide	0.50	U mg/L										
HW12	Chloride	3.64	mg/L					250.00	mg/L			250.00	mg/L
HW12	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
HW12	Sulfate	5.20	mg/L					250.00	mg/L			250.00	mg/L
HW12	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW12-F	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW12	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW12-F	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW12	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW12-F	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW12	Arsenic	<b>6.00</b>	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW12-F	Arsenic	<b>5.80</b>	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW12	Barium	707.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW12-F	Barium	716.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW12	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW12-F	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW12	Boron	53.80	ug/L	3,100.00	ug/L								
HW12-F	Boron	52.20	ug/L	3,100.00	ug/L								
HW12	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW12-F	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW12	Calcium	28,500.00	ug/L										
HW12-F	Calcium	28,100.00	ug/L										
HW12	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW12-F	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW12	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW12-F	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW12	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		
HW12-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		
HW12	Iron	1,240.00	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW12-F	Iron	100.00 U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW12	Lead	1.00 U	ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		
HW12-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
HW12	Lithium	200.00	U ug/L	31.00	ug/L								
HW12-F	Lithium	200.00	U ug/L	31.00	ug/L								
HW12	Magnesium	4,770.00	ug/L										
HW12-F	Magnesium	4,670.00	ug/L										
HW12	Manganese	120.00	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW12-F	Manganese	139.00	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW12	Nickel	1.20	ug/L	300.00	ug/L								
HW12-F	Nickel	1.00	ug/L	300.00	ug/L								
HW12	Potassium	2,000.00	U ug/L										
HW12-F	Potassium	2,000.00	U ug/L										
HW12	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW12-F	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW12	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW12-F	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW12	Sodium	19,300.00	ug/L	20,000.00	ug/L								
HW12-F	Sodium	19,300.00	ug/L	20,000.00	ug/L								
HW12	Strontium	629.00	ug/L	9,300.00	ug/L								
HW12-F	Strontium	618.00	ug/L	9,300.00	ug/L								
HW12	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW12-F	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW12	Tin	200.00	U ug/L	9,300.00	ug/L								
HW12-F	Tin	200.00	U ug/L	9,300.00	ug/L								
HW12	Titanium	200.00	U ug/L										
HW12-F	Titanium	200.00	U ug/L										
HW12	Uranium	1.80	ug/L	47.00	ug/L	30.00	ug/L						
HW12-F	Uranium	1.60	ug/L	47.00	ug/L	30.00	ug/L						
HW12	Vanadium	5.00	U ug/L	78.00	ug/L								
HW12-F	Vanadium	5.00	U ug/L	78.00	ug/L								
HW12	Zinc	5.40	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
HW12-F	Zinc	2.00	U ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW12	Oil and Grease	5.60	U mg/L										
HW12	Total Dissolved Solids	67.00	J mg/L					500.00	mg/L			500.00	mg/L
HW12	Total Suspended Solids	10.00	U mg/L										
HW12	1-Methylnaphthalene	5.00	U ug/L	97.00	ug/ L								
HW12	Acenaphthene	5.00	U ug/L	400.00	ug/L								
HW12	Acenaphthylene	5.00	U ug/L										
HW12	Acetophenone	5.00	U ug/L	1,500.00	ug/L								
HW12	Anthracene	5.00	U ug/L	1,300.00	ug/L								
HW12	Atrazine	5.00	U ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW12	Benzo(a)anthracene	5.00	U ug/L	2.90	ug/L								
HW12	Benzo(a)pyrene	5.00	U ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW12	Biphenyl	5.00	U ug/L										
HW12	Bromophenyl-4 Phenyl Ether	5.00	U ug/L										
HW12	Butylbenzyl phthalate	5.00	U ug/L	1,400.00	ug/L								
HW12	Caprolactam	5.00	U ug/L	7,700.00	ug/L								
HW12	Carbazole	5.00	U ug/L										
HW12	Chlorobenzeneamine-4	5.00	U ug/L	3.20	ug/L								
HW12	Chloronaphthalene-2	5.00	U ug/L	550.00	ug/L								
HW12	Chlorophenol-2	5.00	U ug/L	71.00	ug/L								
HW12	Chlorophenyl-4 phenyl ether	5.00	U ug/L										
HW12	Chrysene	5.00	U ug/L	290.00	ug/L								
HW12	Cresol, parachloro meta-	5.00	U ug/L										
HW12	Cresol-4,6-dinitro-ortho	10.00	U ug/L										
HW12	Cresol-o	5.00	U ug/L	720.00	ug/L								
HW12	Cresol-p	5.00	U ug/L	72.00	ug/L								
HW12	Dibenz(a,h)anthracene	5.00	U ug/L	0.29	ug/L								
HW12	Dibenzofuran	5.00	U ug/L										
HW12	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
HW12	Dichlorophenol-2,4	5.00	U ug/L	35.00	ug/L								
HW12	Dimethylphenol, 2,4-	5.00	U ug/L	270.00	ug/L								
HW12	Dinitrophenol-2,4	5.00	U ug/L	30.00	ug/L								
HW12	Dinitrotoluene-2,4	5.00	U ug/L										
HW12	Dinitrotoluene-2,6	5.00	U ug/L										
HW12	Ether, bis(2-chloroethyl)	5.00	U ug/L	1.20	ug/L								
HW12	Ether-bis(2-chloroisopropyl)	5.00	U ug/L										
HW12	Fluoranthene	5.00	U ug/L	630.00	ug/L								
HW12	Fluoranthene benzo(k)	5.00	U ug/L	29.00	ug/L								
HW12	Fluoranthene-benzo(b)	5.00	U ug/L	5.60	ug/L								
HW12	Fluorene	5.00	U ug/L	220.00	ug/L								
HW12	Hexachlorobenzene	5.00	U ug/L	4.20	ug/L	1.00	ug/L			1.00	ug/L		
HW12	Hexachlorobutadiene	0.50	U ug/L	26.00	ug/L								
HW12	Hexachlorobutadiene	5.00	U ug/L	26.00	ug/L								
HW12	Hexachlorocyclopentadiene	5.00	U ug/L	22.00	ug/L	50.00	ug/L			50.00	ug/L		
HW12	Hexachloroethane	5.00	U ug/L	5.10	ug/L								
HW12	Isophorone	5.00	U ug/L	6,700.00	ug/L								
HW12	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00	ug/L								
HW12	Methylnaphthalene-2	5.00	U ug/L	27.00	ug/L								
HW12	Naphthalene	5.00	U ug/L	14.00	ug/L								
HW12	Naphthalene	0.50	U ug/L	14.00	ug/L								
HW12	Nitroaniline, ortho	5.00	U ug/L	150.00	ug/L								
HW12	Nitroaniline-3	5.00	U ug/L										
HW12	Nitrobenzenamine-4	5.00	U ug/L	61.00	ug/L								
HW12	Nitrobenzene	5.00	U ug/L	12.00	ug/L								
HW12	Nitrophenol-2	5.00	U ug/L										
HW12	Nitrophenol-4	10.00	U ug/L										
HW12	Nitrosodimethylamine-n	5.00	U ug/L	0.04	ug/L								
HW12	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
HW12	Pentachlorophenol	5.00	U ug/L	17.00	ug/L	1.00	ug/L			1.00	ug/L		
HW12	Perylene-benzo(ghi)	5.00	U ug/L										
HW12	Phenanthrene	5.00	U ug/L										
HW12	Phenol	5.00	U ug/L	4,500.00	ug/L								
HW12	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10	ug/L	6.00	ug/L			6.00	ug/L		
HW12	Phthalate, Dimethyl	5.00	U ug/L	1,400.00	ug/L								
HW12	Phthalate, di-n-butyl-	5.00	U ug/L	670.00	ug/L								
HW12	Phthalate, di-n-octyl	5.00	U ug/L										
HW12	Phthalate-diethyl	5.00	U ug/L	11,000.00	ug/L								
HW12	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93	ug/L								
HW12	Pyrene	5.00	U ug/L	87.00	ug/L								
HW12	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00	ug/L								
HW12	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20	ug/L								
HW12	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00	ug/L								
HW12	Trichlorophenol-2,4,5	5.00	U ug/L	890.00	ug/L								
HW12	Trichlorophenol-2,4,6	5.00	U ug/L	9.04	ug/L								
HW12	TPH - Diesel Range Organics	250.00	U ug/L										
HW12	TPH - Oil Range Organics	1,000.00	U ug/L										
HW12	TPH as Gasoline	50.00	U ug/L										
HW12	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00	ug/L								
HW12	Acetone	2.00	U ug/L										
HW12	Benzene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW12	Bromobenzene	0.50	U ug/L										
HW12	Bromoform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW12	Butylbenzene	0.50	U ug/L										
HW12	Butylbenzene, sec-	0.50	U ug/L										
HW12	Butylbenzene, tert-	0.50	U ug/L										
HW12	Carbon disulfide	0.50	U ug/L										
HW12	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
HW12	Chlorobenzene	0.50	U ug/L			100.00	ug/L						
HW12	Chlorobromomethane	0.50	U ug/L										
HW12	Chloroethane	0.20	J ug/L										
HW12	Chloroform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW12	Chlorotoluene	0.50	U ug/L	180.00	ug/L								
HW12	Chlorotoluene-p	0.50	U ug/L	190.00	ug/L								
HW12	Cyclohexane	0.50	U ug/L										
HW12	DBCP	0.50	U ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW12	Dibromochloromethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW12	Dibromoethane-1,2	0.50	U ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW12	Dibromomethane	0.50	U ug/L										
HW12	Dichlorobenzene-1,2	0.50	U ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW12	Dichlorobenzene-1,3	0.50	U ug/L										
HW12	Dichlorobenzene-1,4	0.50	U ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW12	Dichlorobromomethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW12	Dichlorodifluoromethane	0.50	U ug/L										
HW12	Dichloroethane-1,1	0.50	U ug/L	240.00	ug/L								
HW12	Dichloroethane-1,2	0.50	U ug/L	15.00	ug/L	5.00	ug/L			5.00	ug/L		
HW12	Dichloroethene-1,2 trans	0.50	U ug/L										
HW12	Dichloroethylene-1,1	0.50	U ug/L			7.00	ug/L			7.00	ug/L		
HW12	Dichloroethylene-1,2 cis	0.50	U ug/L			70.00	ug/L			70.00	ug/L		
HW12	Dichloropropane, 1,2-	0.50	U ug/L	38.00	ug/L	5.00	ug/L			5.00	ug/L		
HW12	Dichloropropane, 1,3-	0.50	U ug/L	290.00	ug/L								
HW12	Dichloropropane, 2,2-	0.50	U ug/L										
HW12	Dichloropropene, 1,1-	0.50	U ug/L										
HW12	Dichloropropene, 1,3 cis-	0.50	U ug/L										
HW12	Dichloropropene, 1,3 trans-	0.50	U ug/L										
HW12	Ethylbenzene	0.50	U ug/L			700.00	ug/L			700.00	ug/L		
HW12	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
HW12	Hexanone, 2-	2.00	U ug/L		34.00 ug/L								
HW12	Isopropylbenzene	0.50	U ug/L										
HW12	Isopropylbenzene-4,methyl-1	0.50	U ug/L										
HW12	m,p-Xylene	1.00	U ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW12	Methyl acetate	0.50	U ug/L										
HW12	Methyl bromide	0.50	U ug/L										
HW12	Methyl chloride	0.60	ug/L										
HW12	Methyl cyclohexane	0.50	U ug/L										
HW12	Methyl ethyl ketone	2.00	U ug/L		4,900.00 ug/L								
HW12	Methyl tertiary butyl ether (MTBE)	0.50	U ug/L										
HW12	Methylene chloride	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW12	Propylbenzene-n	0.50	U ug/L										
HW12	Styrene	1.00	U ug/L			100.00	ug/L			100.00	ug/L		
HW12	Tetrachloroethane, 1,1,1,2-	0.50	U ug/L		50.00 ug/L								
HW12	Tetrachloroethane, 1,1,2,2-	0.50	U ug/L		6.60 ug/L								
HW12	Tetrachloroethylene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW12	Toluene	0.50	U ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW12	Trichlorobenzene-1,2,3	0.50	U ug/L		5.20 ug/L								
HW12	Trichlorobenzene-1,2,4	0.50	U ug/L		5.20 ug/L	70.00	ug/L			70.00	ug/L		
HW12	Trichloroethane-1,1,1	0.50	U ug/L		7,500.00 ug/L	200.00	ug/L			200.00	ug/L		
HW12	Trichloroethane-1,1,2	0.50	U ug/L		0.41 ug/L	5.00	ug/L			5.00	ug/L		
HW12	Trichloroethylene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW12	Trichlorofluoromethane	0.50	U ug/L										
HW12	Trichloropropane-1,2,3	0.50	U ug/L		0.07 ug/L								
HW12	Trimethylbenzene-1,2,4	0.50	U ug/L		15.00 ug/L								
HW12	Trimethylbenzene-1,3,5	0.50	U ug/L		87.00 ug/L								
HW12	Vinyl acetate	0.50	U ug/L										
HW12	Vinyl chloride	0.50	U ug/L			2.00	ug/L			2.00	ug/L		
HW12	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
HW12	Nitrogen, Nitrite + Nitrate	0.05	U mg/L			10.00	mg/L			10.00	mg/L		
HW12	Total Nitrogen	1.00	U mg/L										
HW12	Total Phosphorus as P	0.05	U mg/L										