

# HW-01

## EPA Validated Data Summary Report

### Dimock Residential Sampling

Sample Date: 1/25/2012

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
HW01	2-Butanol	10.00	U ug/mL										
HW01	Ethanol	10.00	U ug/mL										
HW01	Methanol	10.00	U ug/mL	7.80	ug/mL								
HW01	Anionic Surfactants	0.01	U mg/L										
HW01	Heterotrophic Plate Count		R cfu/1mL										
HW01	Total Coliform Bacteria	1.00	U cfu/100mL	0.00	cfu/100mL	5.00	%						
HW01	Ethane	350.00	ug/L										
HW01	Ethene	1.10	U ug/L										
HW01	Methane	12,000.00	ug/L	28,000.00	ug/L								
HW01	2-Butoxyethanol	10.00	U ug/L										
HW01	2-Methoxyethanol	10.00	UJ ug/L	78.00	ug/L								
HW01	2-Methoxyethanol	5.00	U ug/L	78.00	ug/L								
HW01	Diethylene glycol		R ug/L	8,000.00	ug/L								
HW01	Diethylene Glycol	50.00	U ug/L	8,000.00	ug/L								
HW01	Ethanol, 2-ethoxy-	10,000.00	U ug/L										
HW01	Ethanol, 2-methoxy-	10,000.00	UJ ug/L	78.00	ug/L								
HW01	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW01	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW01	Tetraethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW01	Triethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW01	Triethylene glycol	10,000.00	U ug/L	8,000.00	ug/L								
HW01	Bromide	0.50	U mg/L										
HW01	Chloride	4.36	mg/L					250.00	mg/L			250.00	mg/L
HW01	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
HW01	Sulfate	5.49	mg/L					250.00	mg/L			250.00	mg/L
HW01	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW01-F	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW01	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW01-F	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW01	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW01-F	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW01	Arsenic	2.00 U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW01-F	Arsenic	2.00 U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW01	Barium	304.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW01-F	Barium	316.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW01	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW01-F	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW01	Boron	50.00 U	ug/L	3,100.00	ug/L								
HW01-F	Boron	50.00 U	ug/L	3,100.00	ug/L								
HW01	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW01-F	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW01	Calcium	7,890.00	ug/L										
HW01-F	Calcium	8,210.00	ug/L										
HW01	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW01-F	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW01	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW01-F	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW01	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		
HW01-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		
HW01	Iron	100.00 U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW01-F	Iron	100.00 U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW01	Lead	1.00 U	ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		
HW01-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
HW01	Lithium	200.00	U ug/L	31.00	ug/L								
HW01-F	Lithium	200.00	U ug/L	31.00	ug/L								
HW01	Magnesium	3,640.00	ug/L										
HW01-F	Magnesium	3,760.00	ug/L										
HW01	Manganese	2.20	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW01-F	Manganese	1.90	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW01	Nickel	1.00	U ug/L	300.00	ug/L								
HW01-F	Nickel	1.00	U ug/L	300.00	ug/L								
HW01	Potassium	2,000.00	U ug/L										
HW01-F	Potassium	2,000.00	U ug/L										
HW01	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW01-F	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW01	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW01-F	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW01	Sodium	18,100.00	ug/L	20,000.00	ug/L								
HW01-F	Sodium	19,100.00	ug/L	20,000.00	ug/L								
HW01	Strontium	655.00	ug/L	9,300.00	ug/L								
HW01-F	Strontium	694.00	ug/L	9,300.00	ug/L								
HW01	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW01-F	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW01	Tin	200.00	U ug/L	9,300.00	ug/L								
HW01-F	Tin	200.00	U ug/L	9,300.00	ug/L								
HW01	Titanium	200.00	U ug/L										
HW01-F	Titanium	200.00	U ug/L										
HW01	Uranium	1.00	U ug/L	47.00	ug/L	30.00	ug/L						
HW01-F	Uranium	1.00	U ug/L	47.00	ug/L	30.00	ug/L						
HW01	Vanadium	5.00	U ug/L	78.00	ug/L								
HW01-F	Vanadium	5.00	U ug/L	78.00	ug/L								
HW01	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	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
HW01-F	Zinc	2.00	U ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW01	Oil and Grease	5.40	UJ mg/L										
HW01	Total Dissolved Solids	16.00	J mg/L					500.00	mg/L			500.00	mg/L
HW01	Total Suspended Solids	10.00	U mg/L										
HW01	1-Methylnaphthalene	5.00	U ug/L	97.00	ug/ L								
HW01	Acenaphthene	5.00	U ug/L	400.00	ug/L								
HW01	Acenaphthylene	5.00	U ug/L										
HW01	Acetophenone	5.00	U ug/L	1,500.00	ug/L								
HW01	Anthracene	5.00	U ug/L	1,300.00	ug/L								
HW01	Atrazine	5.00	U ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW01	Benzo(a)anthracene	5.00	U ug/L	2.90	ug/L								
HW01	Benzo(a)pyrene	5.00	U ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW01	Biphenyl	5.00	U ug/L										
HW01	Bromophenyl-4 Phenyl Ether	5.00	U ug/L										
HW01	Butylbenzyl phthalate	5.00	U ug/L	1,400.00	ug/L								
HW01	Caprolactam	1.32	J ug/L	7,700.00	ug/L								
HW01	Carbazole	5.00	U ug/L										
HW01	Chlorobenzenamine-4	5.00	U ug/L	3.20	ug/L								
HW01	Chloronaphthalene-2	5.00	U ug/L	550.00	ug/L								
HW01	Chlorophenol-2	5.00	U ug/L	71.00	ug/L								
HW01	Chlorophenyl-4 phenyl ether	5.00	U ug/L										
HW01	Chrysene	5.00	U ug/L	290.00	ug/L								
HW01	Cresol, parachloro meta-	5.00	U ug/L										
HW01	Cresol-4,6-dinitro-ortho	10.00	U ug/L										
HW01	Cresol-o	5.00	U ug/L	720.00	ug/L								
HW01	Cresol-p	5.00	U ug/L	72.00	ug/L								
HW01	Dibenz(a,h)anthracene	5.00	U ug/L	0.29	ug/L								
HW01	Dibenzofuran	5.00	U ug/L										
HW01	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
HW01	Dichlorophenol-2,4	5.00	U ug/L	35.00	ug/L								
HW01	Dimethylphenol, 2,4-	5.00	U ug/L	270.00	ug/L								
HW01	Dinitrophenol-2,4	5.00	U ug/L	30.00	ug/L								
HW01	Dinitrotoluene-2,4	5.00	U ug/L										
HW01	Dinitrotoluene-2,6	5.00	U ug/L										
HW01	Ether, bis(2-chloroethyl)	5.00	U ug/L	1.20	ug/L								
HW01	Ether-bis(2-chloroisopropyl)	5.00	U ug/L										
HW01	Fluoranthene	5.00	U ug/L	630.00	ug/L								
HW01	Fluoranthene benzo(k)	5.00	U ug/L	29.00	ug/L								
HW01	Fluoranthene-benzo(b)	5.00	U ug/L	5.60	ug/L								
HW01	Fluorene	5.00	U ug/L	220.00	ug/L								
HW01	Hexachlorobenzene	5.00	U ug/L	4.20	ug/L	1.00	ug/L			1.00	ug/L		
HW01	Hexachlorobutadiene	0.50	U ug/L	26.00	ug/L								
HW01	Hexachlorobutadiene	5.00	U ug/L	26.00	ug/L								
HW01	Hexachlorocyclopentadiene	5.00	U ug/L	22.00	ug/L	50.00	ug/L			50.00	ug/L		
HW01	Hexachloroethane	5.00	U ug/L	5.10	ug/L								
HW01	Isophorone	5.00	U ug/L	6,700.00	ug/L								
HW01	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00	ug/L								
HW01	Methylnaphthalene-2	5.00	U ug/L	27.00	ug/L								
HW01	Naphthalene	0.50	U ug/L	14.00	ug/L								
HW01	Naphthalene	5.00	U ug/L	14.00	ug/L								
HW01	Nitroaniline, ortho	5.00	U ug/L	150.00	ug/L								
HW01	Nitroaniline-3	5.00	U ug/L										
HW01	Nitrobenzenamine-4	5.00	U ug/L	61.00	ug/L								
HW01	Nitrobenzene	5.00	U ug/L	12.00	ug/L								
HW01	Nitrophenol-2	5.00	U ug/L										
HW01	Nitrophenol-4	10.00	U ug/L										
HW01	Nitrosodimethylamine-n	5.00	U ug/L	0.04	ug/L								
HW01	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
HW01	Pentachlorophenol	5.00	U ug/L	17.00	ug/L	1.00	ug/L			1.00	ug/L		
HW01	Perylene-benzo(ghi)	5.00	U ug/L										
HW01	Phenanthrene	5.00	U ug/L										
HW01	Phenol	5.00	U ug/L	4,500.00	ug/L								
HW01	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10	ug/L	6.00	ug/L			6.00	ug/L		
HW01	Phthalate, Dimethyl	5.00	U ug/L	1,400.00	ug/L								
HW01	Phthalate, di-n-butyl-	5.00	U ug/L	670.00	ug/L								
HW01	Phthalate, di-n-octyl	5.00	U ug/L										
HW01	Phthalate-diethyl	0.03	J ug/L	11,000.00	ug/L								
HW01	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93	ug/L								
HW01	Pyrene	5.00	U ug/L	87.00	ug/L								
HW01	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00	ug/L								
HW01	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20	ug/L								
HW01	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00	ug/L								
HW01	Trichlorophenol-2,4,5	5.00	U ug/L	890.00	ug/L								
HW01	Trichlorophenol-2,4,6	5.00	U ug/L	9.04	ug/L								
HW01	TPH - Diesel Range Organics	250.00	U ug/L										
HW01	TPH - Oil Range Organics	1,000.00	U ug/L										
HW01	TPH as Gasoline	50.00	U ug/L										
HW01	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00	ug/L								
HW01	Acetone	2.00	U ug/L										
HW01	Benzene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW01	Bromobenzene	0.50	U ug/L										
HW01	Bromoform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW01	Butylbenzene	0.50	U ug/L										
HW01	Butylbenzene, sec-	0.50	U ug/L										
HW01	Butylbenzene, tert-	0.50	U ug/L										
HW01	Carbon disulfide	0.50	U ug/L										
HW01	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
HW01	Chlorobenzene	0.50	U ug/L			100.00	ug/L						
HW01	Chlorobromomethane	0.50	U ug/L										
HW01	Chloroethane	0.50	U ug/L										
HW01	Chloroform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW01	Chlorotoluene	0.50	U ug/L	180.00	ug/L								
HW01	Chlorotoluene-p	0.50	U ug/L	190.00	ug/L								
HW01	Cyclohexane	0.50	U ug/L										
HW01	DBCP	0.50	U ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW01	Dibromochloromethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW01	Dibromoethane-1,2	0.50	U ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW01	Dibromomethane	0.50	U ug/L										
HW01	Dichlorobenzene-1,2	0.50	U ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW01	Dichlorobenzene-1,3	0.50	U ug/L										
HW01	Dichlorobenzene-1,4	0.50	U ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW01	Dichlorobromomethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW01	Dichlorodifluoromethane	0.50	U ug/L										
HW01	Dichloroethane-1,1	0.50	U ug/L	240.00	ug/L								
HW01	Dichloroethane-1,2	0.50	U ug/L	15.00	ugL	5.00	ug/L			5.00	ug/L		
HW01	Dichloroethene-1,2 trans	0.50	U ug/L										
HW01	Dichloroethylene-1,1	0.50	U ug/L			7.00	ug/L			7.00	ug/L		
HW01	Dichloroethylene-1,2 cis	0.50	U ug/L			70.00	ug/L			70.00	ug/L		
HW01	Dichloropropane, 1,2-	0.50	U ug/L	38.00	ug/L	5.00	ug/L			5.00	ug/L		
HW01	Dichloropropane, 1,3-	0.50	U ug/L	290.00	ug/L								
HW01	Dichloropropane, 2,2-	0.50	U ug/L										
HW01	Dichloropropene, 1,1-	0.50	U ug/L										
HW01	Dichloropropene, 1,3 cis-	0.50	U ug/L										
HW01	Dichloropropene, 1,3 trans-	0.50	U ug/L										
HW01	Ethylbenzene	0.50	U ug/L			700.00	ug/L			700.00	ug/L		
HW01	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
HW01	Hexanone, 2-	2.00 U	ug/L	34.00	ug/L								
HW01	Isopropylbenzene	0.50 U	ug/L										
HW01	Isopropylbenzene-4,methyl-1	0.50 U	ug/L										
HW01	m,p-Xylene	1.00 U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW01	Methyl acetate	0.30 J	ug/L										
HW01	Methyl bromide	0.50 U	ug/L										
HW01	Methyl chloride	0.50 U	ug/L										
HW01	Methyl cyclohexane	0.50 U	ug/L										
HW01	Methyl ethyl ketone	2.00 U	ug/L	4,900.00	ug/L								
HW01	Methyl tertiary butyl ether (MTBE)	0.50 U	ug/L										
HW01	Methylene chloride	0.50 U	ug/L			5.00	ug/L			5.00	ug/L		
HW01	Propylbenzene-n	0.50 U	ug/L										
HW01	Styrene	1.00 U	ug/L			100.00	ug/L			100.00	ug/L		
HW01	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00	ug/L								
HW01	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60	ug/L								
HW01	Tetrachloroethylene	0.50 U	ug/L			5.00	ug/L			5.00	ug/L		
HW01	Toluene	0.50 U	ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW01	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20	ug/L								
HW01	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW01	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00	ug/L	200.00	ug/L			200.00	ug/L		
HW01	Trichloroethane-1,1,2	0.50 U	ug/L	0.41	ug/L	5.00	ug/L			5.00	ug/L		
HW01	Trichloroethylene	0.50 U	ug/L			5.00	ug/L			5.00	ug/L		
HW01	Trichlorofluoromethane	0.50 U	ug/L										
HW01	Trichloropropane-1,2,3	0.50 U	ug/L	0.07	ug/L								
HW01	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00	ug/L								
HW01	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00	ug/L								
HW01	Vinyl acetate	0.50 U	ug/L										
HW01	Vinyl chloride	0.50 U	ug/L			2.00	ug/L			2.00	ug/L		
HW01	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
HW01	Nitrogen, Nitrite + Nitrate	0.05 U	mg/L			10.00	mg/L			10.00	mg/L		
HW01	Total Nitrogen	1.00 U	mg/L										
HW01	Total Phosphorus as P	0.05 U	mg/L										