

HW-04

EPA Validated Data Summary Report

Dimock Residential Sampling

Sample Date: 1/24/2012

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
HW04	2-Butanol	10.00	U ug/mL										
HW04	Ethanol	10.00	U ug/mL										
HW04	Methanol	10.00	U ug/mL	7.80	ug/mL								
HW04	Anionic Surfactants	0.01	U mg/L										
HW04	Heterotrophic Plate Count	R	cfu/1mL										
HW04	Total Coliform Bacteria	R	cfu/100mL	0.00	cfu/100mL	5.00	%						
HW04	Ethane	25.00	ug/L										
HW04	Ethene	1.10	U ug/L										
HW04	Methane	1,700.00	ug/L	28,000.00	ug/L								
HW04	2-Butoxyethanol	5.00	U ug/L										
HW04	2-Methoxyethanol	5.00	U ug/L	78.00	ug/L								
HW04	2-Methoxyethanol	10.00	U ug/L	78.00	ug/L								
HW04	Diethylene glycol	R	ug/L	8,000.00	ug/L								
HW04	Diethylene Glycol	50.00	U ug/L	8,000.00	ug/L								
HW04	Ethanol, 2-ethoxy-	10,000.00	U ug/L										
HW04	Ethanol, 2-methoxy-	10,000.00	UJ ug/L	78.00	ug/L								
HW04	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW04	Ethylene glycol	10,000.00	U ug/L	31.00	mg/L								
HW04	Tetraethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW04	Triethylene glycol	10,000.00	U ug/L	8,000.00	ug/L								
HW04	Triethylene glycol	25.00	U ug/L	8,000.00	ug/L								
HW04	Bromide	1.00	U mg/L										
HW04	Chloride	12.50	mg/L					250.00	mg/L			250.00	mg/L
HW04	Fluoride	0.20	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
HW04	Sulfate	17.10	mg/L					250.00	mg/L			250.00	mg/L
HW04	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW04-F	Mercury	0.20 U	ug/L	4.30	ug/L	2.00	ug/L			2.00	ug/L		
HW04	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW04-F	Aluminum	30.00 U	ug/L	16,000.00	ug/L			200.00	ug/L			200.00	ug/L
HW04	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW04-F	Antimony	2.00 U	ug/L	6.00	ug/L	6.00	ug/L			6.00	ug/L		
HW04	Arsenic	1.00 U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW04-F	Arsenic	1.00 U	ug/L	4.50	ug/L	10.00	ug/L			10.00	ug/L		
HW04	Barium	231.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW04-F	Barium	215.00	ug/L	2,900.00	ug/L	2,000.00	ug/L			2,000.00	ug/L		
HW04	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW04-F	Beryllium	1.00 U	ug/L	16.00	ug/L	4.00	ug/L			4.00	ug/L		
HW04	Boron	50.00 U	ug/L	3,100.00	ug/L								
HW04-F	Boron	50.00 U	ug/L	3,100.00	ug/L								
HW04	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW04-F	Cadmium	1.00 U	ug/L	6.90	ug/L	5.00	ug/L			5.00	ug/L		
HW04	Calcium	32,300.00	ug/L										
HW04-F	Calcium	31,700.00	ug/L										
HW04	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW04-F	Chromium	2.00 U	ug/L	3.10	ug/L	100.00	ug/L			100.00	ug/L		
HW04	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW04-F	Cobalt	1.00 U	ug/L	4.70	ug/L								
HW04	Copper	5.20	ug/L	620.00	ug/L	1,300.00	ug/L	1,000.00	ug/L	1,000.00	ug/L		
HW04-F	Copper	2.20	ug/L	620.00	ug/L	1,300.00	ug/L	1,000.00	ug/L	1,000.00	ug/L		
HW04	Iron	106.00	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW04-F	Iron	100.00 U	ug/L	11,000.00	ug/L			300.00	ug/L			300.00	ug/L
HW04	Lead	1.40	ug/L	15.00	ug/L	15.00	ug/L			5.00	ug/L		
HW04-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
HW04	Lithium	200.00	U ug/L	31.00	ug/L								
HW04-F	Lithium	200.00	U ug/L	31.00	ug/L								
HW04	Magnesium	6,650.00	ug/L										
HW04-F	Magnesium	6,470.00	ug/L										
HW04	Manganese	16.90	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW04-F	Manganese	14.90	ug/L	320.00	ug/L			50.00	ug/L			50.00	ug/L
HW04	Nickel	1.50	ug/L	300.00	ug/L								
HW04-F	Nickel	1.40	ug/L	300.00	ug/L								
HW04	Potassium	2,000.00	U ug/L										
HW04-F	Potassium	2,000.00	U ug/L										
HW04	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW04-F	Selenium	5.00	U ug/L	78.00	ug/L	50.00	ug/L			50.00	ug/L		
HW04	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW04-F	Silver	1.00	U ug/L	71.00	ug/L			100.00	ug/L			100.00	ug/L
HW04	Sodium	17,300.00	ug/L	20,000.00	ug/L								
HW04-F	Sodium	17,100.00	ug/L	20,000.00	ug/L								
HW04	Strontium	273.00	ug/L	9,300.00	ug/L								
HW04-F	Strontium	271.00	ug/L	9,300.00	ug/L								
HW04	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW04-F	Thallium	1.00	U ug/L	0.16	ug/L	2.00	ug/L			2.00	ug/L		
HW04	Tin	200.00	U ug/L	9,300.00	ug/L								
HW04-F	Tin	200.00	U ug/L	9,300.00	ug/L								
HW04	Titanium	200.00	U ug/L										
HW04-F	Titanium	200.00	U ug/L										
HW04	Uranium	1.20	ug/L	47.00	ug/L	30.00	ug/L						
HW04-F	Uranium	1.10	ug/L	47.00	ug/L	30.00	ug/L						
HW04	Vanadium	5.00	U ug/L	78.00	ug/L								
HW04-F	Vanadium	5.00	U ug/L	78.00	ug/L								
HW04	Zinc	99.00	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
HW04-F	Zinc	94.50	ug/L	4,700.00	ug/L			5,000.00	ug/L			5,000.00	ug/L
HW04	Oil and Grease	5.20	UJ mg/L										
HW04	Total Dissolved Solids	158.00	mg/L					500.00	mg/L			500.00	mg/L
HW04	Total Suspended Solids	10.00	U mg/L										
HW04	1-Methylnaphthalene	5.00	U ug/L	97.00	ug/ L								
HW04	Acenaphthene	5.00	U ug/L	400.00	ug/L								
HW04	Acenaphthylene	5.00	U ug/L										
HW04	Acetophenone	5.00	U ug/L	1,500.00	ug/L								
HW04	Anthracene	5.00	U ug/L	1,300.00	ug/L								
HW04	Atrazine	5.00	U ug/L	26.00	ug/L	3.00	ug/L			3.00	ug/L		
HW04	Benzo(a)anthracene	5.00	U ug/L	2.90	ug/L								
HW04	Benzo(a)pyrene	0.05	J ug/L	0.29	ug/L	0.20	ug/L			0.20	ug/L		
HW04	Biphenyl	5.00	U ug/L										
HW04	Bromophenyl-4 Phenyl Ether	5.00	U ug/L										
HW04	Butylbenzyl phthalate	5.00	U ug/L	1,400.00	ug/L								
HW04	Caprolactam	5.00	U ug/L	7,700.00	ug/L								
HW04	Carbazole	5.00	U ug/L										
HW04	Chlorobenzenamine-4	5.00	U ug/L	3.20	ug/L								
HW04	Chloronaphthalene-2	5.00	U ug/L	550.00	ug/L								
HW04	Chlorophenol-2	5.00	U ug/L	71.00	ug/L								
HW04	Chlorophenyl-4 phenyl ether	5.00	U ug/L										
HW04	Chrysene	5.00	U ug/L	290.00	ug/L								
HW04	Cresol, parachloro meta-	5.00	U ug/L										
HW04	Cresol-4,6-dinitro-ortho	10.00	U ug/L										
HW04	Cresol-o	5.00	U ug/L	720.00	ug/L								
HW04	Cresol-p	5.00	U ug/L	72.00	ug/L								
HW04	Dibenz(a,h)anthracene	5.00	U ug/L	0.29	ug/L								
HW04	Dibenzofuran	5.00	U ug/L										
HW04	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
HW04	Dichlorophenol-2,4	5.00	U ug/L	35.00	ug/L								
HW04	Dimethylphenol, 2,4-	5.00	U ug/L	270.00	ug/L								
HW04	Dinitrophenol-2,4	5.00	U ug/L	30.00	ug/L								
HW04	Dinitrotoluene-2,4	5.00	U ug/L										
HW04	Dinitrotoluene-2,6	5.00	U ug/L										
HW04	Ether, bis(2-chloroethyl)	5.00	U ug/L	1.20	ug/L								
HW04	Ether-bis(2-chloroisopropyl)	5.00	U ug/L										
HW04	Fluoranthene	5.00	U ug/L	630.00	ug/L								
HW04	Fluoranthene benzo(k)	5.00	U ug/L	29.00	ug/L								
HW04	Fluoranthene-benzo(b)	5.00	U ug/L	5.60	ug/L								
HW04	Fluorene	5.00	U ug/L	220.00	ug/L								
HW04	Hexachlorobenzene	5.00	U ug/L	4.20	ug/L	1.00	ug/L			1.00	ug/L		
HW04	Hexachlorobutadiene	0.50	U ug/L	26.00	ug/L								
HW04	Hexachlorobutadiene	5.00	U ug/L	26.00	ug/L								
HW04	Hexachlorocyclopentadiene	5.00	U ug/L	22.00	ug/L	50.00	ug/L			50.00	ug/L		
HW04	Hexachloroethane	5.00	U ug/L	5.10	ug/L								
HW04	Isophorone	5.00	U ug/L	6,700.00	ug/L								
HW04	Methane, bis(2-chloroethoxy)	5.00	U ug/L	47.00	ug/L								
HW04	Methylnaphthalene-2	5.00	U ug/L	27.00	ug/L								
HW04	Naphthalene	5.00	U ug/L	14.00	ug/L								
HW04	Naphthalene	0.50	U ug/L	14.00	ug/L								
HW04	Nitroaniline, ortho	5.00	U ug/L	150.00	ug/L								
HW04	Nitroaniline-3	5.00	U ug/L										
HW04	Nitrobenzenamine-4	5.00	U ug/L	61.00	ug/L								
HW04	Nitrobenzene	5.00	U ug/L	12.00	ug/L								
HW04	Nitrophenol-2	5.00	U ug/L										
HW04	Nitrophenol-4	10.00	U ug/L										
HW04	Nitrosodimethylamine-n	5.00	U ug/L	0.04	ug/L								
HW04	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
HW04	Pentachlorophenol	5.00	U ug/L	17.00	ug/L	1.00	ug/L			1.00	ug/L		
HW04	Perylene-benzo(ghi)	5.00	U ug/L										
HW04	Phenanthrene	5.00	U ug/L										
HW04	Phenol	5.00	U ug/L	4,500.00	ug/L								
HW04	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00	U ug/L	7.10	ug/L	6.00	ug/L			6.00	ug/L		
HW04	Phthalate, Dimethyl	5.00	U ug/L	1,400.00	ug/L								
HW04	Phthalate, di-n-butyl-	5.00	U ug/L	670.00	ug/L								
HW04	Phthalate, di-n-octyl	5.00	U ug/L										
HW04	Phthalate-diethyl	5.00	U ug/L	11,000.00	ug/L								
HW04	Propylamine,n-nitroso di-n-	5.00	U ug/L	0.93	ug/L								
HW04	Pyrene	5.00	U ug/L	87.00	ug/L								
HW04	Pyrene-indeno(1,2,3-cd)	5.00	U ug/L	3.00	ug/L								
HW04	Tetrachlorobenzene, 1,2,4,5-	5.00	U ug/L	1.20	ug/L								
HW04	Tetrachlorophenol, 2,3,4,6-	5.00	U ug/L	170.00	ug/L								
HW04	Trichlorophenol-2,4,5	5.00	U ug/L	890.00	ug/L								
HW04	Trichlorophenol-2,4,6	5.00	U ug/L	9.04	ug/L								
HW04	TPH - Diesel Range Organics	240.00	U ug/L										
HW04	TPH - Oil Range Organics	950.00	U ug/L										
HW04	TPH as Gasoline	50.00	U ug/L										
HW04	4-Methyl-2-pentanone	2.00	U ug/L	1,000.00	ug/L								
HW04	Acetone	2.00	U ug/L										
HW04	Benzene	0.50	U ug/L			5.00	ug/L			5.00	ug/L		
HW04	Bromobenzene	0.50	U ug/L										
HW04	Bromoform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW04	Butylbenzene	0.50	U ug/L										
HW04	Butylbenzene, sec-	0.50	U ug/L										
HW04	Butylbenzene, tert-	0.50	U ug/L										
HW04	Carbon disulfide	0.50	U ug/L										
HW04	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
HW04	Chlorobenzene	0.50	U ug/L			100.00	ug/L						
HW04	Chlorobromomethane	0.50	U ug/L										
HW04	Chloroethane	0.50	U ug/L										
HW04	Chloroform	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW04	Chlorotoluene	0.50	U ug/L	180.00	ug/L								
HW04	Chlorotoluene-p	0.50	U ug/L	190.00	ug/L								
HW04	Cyclohexane	0.50	U ug/L										
HW04	DBCP	0.50	U ug/L	0.03	ug/L	0.20	ug/L			0.20	ug/L		
HW04	Dibromochloromethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW04	Dibromoethane-1,2	0.50	U ug/L	0.65	ug/L	0.05	ug/L			0.05	ug/L		
HW04	Dibromomethane	0.50	U ug/L										
HW04	Dichlorobenzene-1,2	0.50	U ug/L	280.00	ug/L	600.00	ug/L			600.00	ug/L		
HW04	Dichlorobenzene-1,3	0.50	U ug/L										
HW04	Dichlorobenzene-1,4	0.50	U ug/L	42.00	ug/L	75.00	ug/L			75.00	ug/L		
HW04	Dichlorobromomethane	0.50	U ug/L			80.00	ug/L			80.00	ug/L		
HW04	Dichlorodifluoromethane	0.50	U ug/L										
HW04	Dichloroethane-1,1	0.50	U ug/L	240.00	ug/L								
HW04	Dichloroethane-1,2	0.50	U ug/L	15.00	ugL	5.00	ug/L			5.00	ug/L		
HW04	Dichloroethene-1,2 trans	0.50	U ug/L										
HW04	Dichloroethylene-1,1	0.50	U ug/L			7.00	ug/L			7.00	ug/L		
HW04	Dichloroethylene-1,2 cis	0.50	U ug/L			70.00	ug/L			70.00	ug/L		
HW04	Dichloropropane, 1,2-	0.50	U ug/L	38.00	ug/L	5.00	ug/L			5.00	ug/L		
HW04	Dichloropropane, 1,3-	0.50	U ug/L	290.00	ug/L								
HW04	Dichloropropane, 2,2-	0.50	U ug/L										
HW04	Dichloropropene, 1,1-	0.50	U ug/L										
HW04	Dichloropropene, 1,3 cis-	0.50	U ug/L										
HW04	Dichloropropene, 1,3 trans-	0.50	U ug/L										
HW04	Ethylbenzene	0.50	U ug/L			700.00	ug/L			700.00	ug/L		
HW04	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
HW04	Hexanone, 2-	2.00 U	ug/L	34.00	ug/L								
HW04	Isopropylbenzene	0.50 U	ug/L										
HW04	Isopropylbenzene-4,methyl-1	0.50 U	ug/L										
HW04	m,p-Xylene	1.00 U	ug/L			10,000.00	ug/L			10,000.00	ug/L		
HW04	Methyl acetate	0.50 U	ug/L										
HW04	Methyl bromide	0.50 U	ug/L										
HW04	Methyl chloride	0.50 U	ug/L										
HW04	Methyl cyclohexane	0.50 U	ug/L										
HW04	Methyl ethyl ketone	2.00 U	ug/L	4,900.00	ug/L								
HW04	Methyl tertiary butyl ether (MTBE)	0.50 U	ug/L										
HW04	Methylene chloride	0.50 U	ug/L			5.00	ug/L			5.00	ug/L		
HW04	Propylbenzene-n	0.50 U	ug/L										
HW04	Styrene	1.00 U	ug/L			100.00	ug/L			100.00	ug/L		
HW04	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00	ug/L								
HW04	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60	ug/L								
HW04	Tetrachloroethylene	0.50 U	ug/L			5.00	ug/L			5.00	ug/L		
HW04	Toluene	0.50 U	ug/L			1,000.00	ug/L			1,000.00	ug/L		
HW04	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20	ug/L								
HW04	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20	ug/L	70.00	ug/L			70.00	ug/L		
HW04	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00	ug/L	200.00	ug/L			200.00	ug/L		
HW04	Trichloroethane-1,1,2	0.50 U	ug/L	0.41	ug/L	5.00	ug/L			5.00	ug/L		
HW04	Trichloroethylene	0.50 U	ug/L			5.00	ug/L			5.00	ug/L		
HW04	Trichlorofluoromethane	0.50 U	ug/L										
HW04	Trichloropropane-1,2,3	0.50 U	ug/L	0.07	ug/L								
HW04	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00	ug/L								
HW04	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00	ug/L								
HW04	Vinyl acetate	0.50 U	ug/L										
HW04	Vinyl chloride	0.50 U	ug/L			2.00	ug/L			2.00	ug/L		
HW04	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
HW04	Nitrogen, Nitrite + Nitrate	0.64	mg/L			10.00	mg/L			10.00	mg/L		
HW04	Total Nitrogen	1.00 U	mg/L										
HW04	Total Phosphorus as P	0.05 U	mg/L										