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**WADSWORTH CENTER
NEW YORK STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORY APPROVAL PROGRAM**

Proficiency Test Report

Lab Id: 11642 USGS NATIONAL WATER QUALITY LABORATORY
 EPA Lab Code: DENVER, CO-80225-0046
 CO00009 UNITED STATES
 (303) 236-2000
 Director: MR. MERLE SHOCKEY

Shipment Date : 24-Jan-2005
 Closing Date : 10-Mar-2005
 Score Date : 29-Mar-2005

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Demand								
Chemical Oxygen Demand ** EPA Code: 0036	mg/L	8001	USGS I-3561-85	119	123 *	101 - 134	92.8 - 142	Satisfactory <i>91 passed out of 98 reported results.</i>
Organic Carbon, Total ** EPA Code: N/A	mg/L	8001	USGS O-3100-83	51.9	48.8 *	43.3 - 53.7	40.7 - 56.3	Satisfactory <i>56 passed out of 60 reported results.</i>
Sample: Non Potable Water Chlorophenoxy Acid Pesticides (Herbicides)								
2,4-D EPA Code: N/A	ug/L	8018	USGS O-2060-01	6.48	4.54		D.L. - 9.41	Satisfactory <i>47 passed out of 49 reported results.</i>
Dicamba EPA Code: N/A	ug/L	8018	USGS O-2060-01	8.52	6.15		0.711 - 11.6	Satisfactory <i>33 passed out of 34 reported results.</i>
Sample: Non Potable Water Inorganic Nutrients								
Ammonia (as N) ** EPA Code: N/A	mg/L	8007	USGS I-2522-90	16.3	16.1 *	13.7 - 18.3	12.5 - 19.5	Satisfactory <i>133 passed out of 141 reported results.</i>
Nitrate (as N) ** EPA Code: N/A	mg/L	8007	USGS I-2545-90	13.3	13.5 *	11.6 - 15.1	10.7 - 16.0	Satisfactory <i>109 passed out of 114 reported results.</i>
Orthophosphate (as P) ** EPA Code: N/A	mg/L	8007	USGS I-2601-90	4.56	4.42 *	4.00 - 4.88	3.78 - 5.10	Satisfactory <i>96 passed out of 101 reported results.</i>
Sample: Non Potable Water Mercury								
Mercury, Total ** EPA Code: N/A	ug/L	8011	USGS I-4464-01	16.7	17.5 *	14.6 - 20.3	13.1 - 21.8	Satisfactory <i>108 passed out of 123 reported results.</i>
Sample: Non Potable Water Metals I and II								
Silver, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	236	241 *	218 - 265	206 - 276	Satisfactory <i>154 passed out of 164 reported results.</i>
Silver, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	246	241 *	218 - 265	206 - 276	Satisfactory <i>154 passed out of 164 reported results.</i>

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II								
Aluminum, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	3100	3040 *	2760 - 3300	2620 - 3440 <i>115 passed out of 123 reported results.</i>	Satisfactory
Aluminum, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	2870	3040 *	2760 - 3300	2620 - 3440 <i>115 passed out of 123 reported results.</i>	Satisfactory
Arsenic, Total ** EPA Code: N/A	ug/L	8011	USGS I-4063-98	290	290 *	258 - 325	241 - 341 <i>148 passed out of 157 reported results.</i>	Satisfactory
Barium, Total EPA Code: N/A	ug/L	8011	USGS I-4471-97	843	844		725 - 963 <i>128 passed out of 132 reported results.</i>	Satisfactory
Barium, Total EPA Code: N/A	ug/L	8011	USGS I-4472-97	843	844		725 - 963 <i>128 passed out of 132 reported results.</i>	Satisfactory
Beryllium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	747	752 *	675 - 814	640 - 849 <i>120 passed out of 125 reported results.</i>	Satisfactory
Beryllium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	705	752 *	675 - 814	640 - 849 <i>120 passed out of 125 reported results.</i>	Satisfactory
Cadmium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	29.1	29.9 *	26.4 - 33.5	24.6 - 35.3 <i>160 passed out of 176 reported results.</i>	Satisfactory
Cadmium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	37.7	29.9 *	26.4 - 33.5	24.6 - 35.3 <i>160 passed out of 176 reported results.</i>	Unsatisfactory <==
Cobalt, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	129	130 *	118 - 141	113 - 147 <i>94 passed out of 101 reported results.</i>	Satisfactory
Cobalt, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	133	130 *	118 - 141	113 - 147 <i>94 passed out of 101 reported results.</i>	Satisfactory
Chromium, Total ** EPA Code: N/A	ug/L	8011	USGS I-3233-93	820	820 *	750 - 891	715 - 927 <i>156 passed out of 164 reported results.</i>	Satisfactory

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II								
Copper, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	139	140 *	130 - 151	124 - 157 <i>158 passed out of 170 reported results.</i>	Satisfactory
Copper, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	135	140 *	130 - 151	124 - 157 <i>158 passed out of 170 reported results.</i>	Satisfactory
Iron, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	3420	3020 *	2800 - 3280	2680 - 3400 <i>110 passed out of 116 reported results.</i>	Unsatisfactory <==
Manganese, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	2670	2860 *	2670 - 3080	2570 - 3180 <i>131 passed out of 134 reported results.</i>	Satisfactory
Manganese, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	2870	2860 *	2670 - 3080	2570 - 3180 <i>131 passed out of 134 reported results.</i>	Satisfactory
Nickel, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	1660	1640 *	1550 - 1770	1490 - 1830 <i>151 passed out of 166 reported results.</i>	Satisfactory
Nickel, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	1610	1640 *	1550 - 1770	1490 - 1830 <i>151 passed out of 166 reported results.</i>	Satisfactory
Lead, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	644	650 *	595 - 703	567 - 730 <i>197 passed out of 208 reported results.</i>	Satisfactory
Antimony, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	468	511 *	400 - 572	357 - 616 <i>130 passed out of 142 reported results.</i>	Satisfactory
Selenium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	791	821 *	702 - 901	652 - 951 <i>148 passed out of 157 reported results.</i>	Satisfactory
Selenium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4668-98	836	821 *	702 - 901	652 - 951 <i>148 passed out of 157 reported results.</i>	Satisfactory
Thallium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	452	460 *	397 - 507	370 - 535 <i>120 passed out of 129 reported results.</i>	Satisfactory

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II								
Vanadium, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	1280	1220 *	1140 - 1300	1100 - 1340	Satisfactory <i>97 passed out of 104 reported results.</i>
Zinc, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	973	1030 *	954 - 1120	913 - 1160	Satisfactory <i>142 passed out of 152 reported results.</i>
Zinc, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	1070	1030 *	954 - 1120	913 - 1160	Satisfactory <i>142 passed out of 152 reported results.</i>
Sample: Non Potable Water Metals III								
Molybdenum, Total ** EPA Code: N/A	ug/L	8011	USGS I-4472-97	210	213 *	192 - 234	181 - 244	Satisfactory <i>99 passed out of 104 reported results.</i>
Molybdenum, Total ** EPA Code: N/A	ug/L	8011	USGS I-4471-97	211	213 *	192 - 234	181 - 244	Satisfactory <i>99 passed out of 104 reported results.</i>
Sample: Non Potable Water Minerals								
Chloride ** EPA Code: N/A	mg/L	8008	USGS I-2057-85	< 0.2	115 *	108 - 122	105 - 125	Unsatisfactory <== <i>116 passed out of 125 reported results.</i>
Sulfate (as SO4) ** EPA Code: N/A	mg/L	8008	USGS I-2057-85	< 0.18	95.0 *	83.8 - 104	78.8 - 108	Unsatisfactory <== <i>98 passed out of 105 reported results.</i>
Sample: Non Potable Water Minerals II								
Calcium, Total ** EPA Code: N/A	mg/L	8037	USGS I-4471-97	< 0.04	57.1 *	53.3 - 62.4	51.0 - 64.7	Unsatisfactory <== <i>80 passed out of 92 reported results.</i>
Potassium, Total ** EPA Code: N/A	mg/L	8037	SM 18-20 3120B	< 0.16	9.49 *	8.49 - 10.5	7.98 - 11.0	Unsatisfactory <== <i>72 passed out of 89 reported results.</i>
Magnesium, Total ** EPA Code: N/A	mg/L	8037	USGS I-4471-97	< 0.008	13.5 *	12.3 - 14.6	11.8 - 15.2	Unsatisfactory <== <i>93 passed out of 97 reported results.</i>

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Minerals II								
Sodium, Total ** EPA Code: N/A	mg/L	8037	USGS I-4471-97	118	77.5 *	72.5 - 82.4	70.0 - 84.9	Unsatisfactory <== 78 passed out of 93 reported results.
Sample: Non Potable Water Nitrosamines								
N-Nitrosodimethylamine EPA Code: N/A	ug/L	8014	USGS O-3116-87	68	47.4		D.L. - 105	Satisfactory 65 passed out of 66 reported results.
N-Nitrosodi-n-propylamine EPA Code: N/A	ug/L	8014	USGS O-3116-87	138	119		46.0 - 191	Satisfactory 70 passed out of 72 reported results.
Sample: Non Potable Water Acid extractables								
2,4,6-Trichlorophenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	30.4	31.9		14.0 - 49.9	Satisfactory 76 passed out of 80 reported results.
2,4-Dichlorophenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	34.5	32.3		14.4 - 50.2	Satisfactory 79 passed out of 80 reported results.
2,4-Dimethylphenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	< 2.0	10.0 *			Satisfactory 77 passed out of 80 reported results.
2,4-Dinitrophenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	118	100		D.L. - 210	Satisfactory 79 passed out of 79 reported results.
2-Chlorophenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	35.3	32.4		13.4 - 51.5	Satisfactory 78 passed out of 80 reported results.
2-Nitrophenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	117	102		37.8 - 167	Satisfactory 80 passed out of 80 reported results.
4-Chloro-3-methylphenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	107	115		53.7 - 176	Satisfactory 79 passed out of 80 reported results.
Phenol EPA Code: N/A	ug/L	8035	USGS O-3116-87	< 1.6	3.38		D.L. - 10.3	Satisfactory 80 passed out of 80 reported results.

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals								
1,2,4-Trichlorobenzene EPA Code: N/A	ug/L	8036	USGS O-3116-87	70.0	74.2		29.2 - 119	Satisfactory 80 passed out of 80 reported results.
2,4-Dinitrotoluene EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.4	< 10.0 *			Satisfactory 74 passed out of 75 reported results.
2,6-Dinitrotoluene EPA Code: N/A	ug/L	8036	USGS O-3116-87	78.7	70.1		31.8 - 108	Satisfactory 72 passed out of 75 reported results.
2-Chloronaphthalene EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.0	< 10.0 *			Satisfactory 76 passed out of 76 reported results.
4-Chlorophenylphenyl ether EPA Code: N/A	ug/L	8036	USGS O-3116-87	81.7	74.9		34.8 - 115	Satisfactory 76 passed out of 76 reported results.
4-Bromophenylphenyl ether EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 2.1	< 10.0 *			Satisfactory 75 passed out of 75 reported results.
Acenaphthene EPA Code: N/A	ug/L	8036	USGS O-3116-87	123	112		50.3 - 174	Satisfactory 84 passed out of 84 reported results.
Anthracene EPA Code: N/A	ug/L	8036	USGS O-3116-87	114	103		43.3 - 163	Satisfactory 85 passed out of 86 reported results.
Acenaphthylene EPA Code: N/A	ug/L	8036	USGS O-3116-87	68.2	60.3		29.4 - 91.2	Satisfactory 84 passed out of 85 reported results.
Bis(2-chloroethyl)ether EPA Code: N/A	ug/L	8036	USGS O-3116-87	104	81.3		29.5 - 133	Satisfactory 74 passed out of 76 reported results.
Bis(2-chloroethoxy)methane EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.0	< 10.0 *			Satisfactory 75 passed out of 76 reported results.
Bis(2-chloroisopropyl)ether EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.0	< 10.0 *			Satisfactory 72 passed out of 76 reported results.

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals								
Bis(2-ethylhexyl)phthalate EPA Code: N/A	ug/L	8036	USGS O-3116-87	28.0	37.5		16.1 - 58.8	Satisfactory <i>76 passed out of 79 reported results.</i>
Benzo(a)anthracene EPA Code: N/A	ug/L	8036	USGS O-3116-87	110	123		70.2 - 176	Satisfactory <i>80 passed out of 85 reported results.</i>
Benzo(a)pyrene EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.3	< 10.0 *			Satisfactory <i>87 passed out of 87 reported results.</i>
Benzo(b)fluoranthene EPA Code: N/A	ug/L	8036	USGS O-3116-87	70.4	77.1		21.7 - 132	Satisfactory <i>86 passed out of 87 reported results.</i>
Benzo(g,h,i)perylene EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.6	< 10.0 *			Satisfactory <i>85 passed out of 86 reported results.</i>
Benzo(k)fluoranthene EPA Code: N/A	ug/L	8036	USGS O-3116-87	37.2	45.8		12.7 - 79.0	Satisfactory <i>85 passed out of 87 reported results.</i>
Benzyl butyl phthalate EPA Code: N/A	ug/L	8036	USGS O-3116-87	159	118		D.L. - 270	Satisfactory <i>79 passed out of 79 reported results.</i>
Chrysene EPA Code: N/A	ug/L	8036	USGS O-3116-87	86.5	104		45.4 - 162	Satisfactory <i>85 passed out of 87 reported results.</i>
Dibenzo(a,h)anthracene EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 2.2	< 10.0 *			Satisfactory <i>82 passed out of 85 reported results.</i>
Di-n-butyl phthalate EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.7	< 25.0 *			Satisfactory <i>75 passed out of 78 reported results.</i>
Diethyl phthalate EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.6	< 30.0 *			Satisfactory <i>79 passed out of 79 reported results.</i>
Dimethyl phthalate EPA Code: N/A	ug/L	8036	USGS O-3116-87	166	107		D.L. - 265	Satisfactory <i>79 passed out of 79 reported results.</i>

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals								
Di-n-octyl phthalate EPA Code: N/A	ug/L	8036	USGS O-3116-87	72.6	84.3		15.7 - 153	Satisfactory 79 passed out of 79 reported results.
Fluoranthene EPA Code: N/A	ug/L	8036	USGS O-3116-87	166	143		69.9 - 216	Satisfactory 84 passed out of 87 reported results.
Hexachlorobenzene EPA Code: N/A	ug/L	8036	USGS O-3116-87	54.8	53.0		26.8 - 79.3	Satisfactory 78 passed out of 81 reported results.
Indeno(1,2,3-c,d)pyrene EPA Code: N/A	ug/L	8036	USGS O-3116-87	80.2	137		3.84 - 271	Satisfactory 85 passed out of 86 reported results.
Isophorone EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 2.2	< 30.0 *			Satisfactory 74 passed out of 75 reported results.
Naphthalene EPA Code: N/A	ug/L	8036	USGS O-3116-87	107	96.0		30.5 - 162	Satisfactory 85 passed out of 85 reported results.
Nitrobenzene EPA Code: N/A	ug/L	8036	USGS O-3116-87	< 1.4	< 10.0 *			Satisfactory 74 passed out of 75 reported results.
Phenanthrene EPA Code: N/A	ug/L	8036	USGS O-3116-87	114	101		42.7 - 159	Satisfactory 87 passed out of 87 reported results.
Pyrene EPA Code: N/A	ug/L	8036	USGS O-3116-87	97.0	87.1		34.2 - 140	Satisfactory 86 passed out of 87 reported results.
Sample: Non Potable Water Total Cyanide								
Cyanide, Total ** EPA Code: N/A	mg/L	8011	USGS I-4302-85	0.368	0.359 *	0.282 - 0.429	0.245 - 0.465	Satisfactory 82 passed out of 89 reported results.
Sample: Non Potable Water Oil and Grease								
Oil & Grease Total Recoverable ** EPA Code: 0104	mg/L	8010	EPA 1664A	19.7	21.3 *	14.8 - 23.9	12.5 - 26.2	Satisfactory 90 passed out of 101 reported results.

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Organic Nutrients								
Kjeldahl Nitrogen, Total ** EPA Code: 0034	mg/L	8004	USGS I-4515-91	3.98	3.89 *	3.00 - 4.78	2.56 - 5.22	Satisfactory <i>95 passed out of 102 reported results.</i>
Phosphorus, Total ** EPA Code: 0035	mg/L	8004	USGS I-4610-91	7.61	7.09 *	5.87 - 7.81	5.39 - 8.29	Satisfactory <i>111 passed out of 124 reported results.</i>
Sample: Non Potable Water Organophosphate Pesticides								
Azinphos methyl EPA Code: N/A	ug/L	8012	USGS O-1126-95	9.45	10.199999		5.43 - 15.0	Satisfactory <i>9 passed out of 9 reported results.</i>
Diazinon EPA Code: N/A	ug/L	8012	USGS O-1126-95	6.01	5.79		4.13 - 7.45	Satisfactory <i>8 passed out of 8 reported results.</i>
Disulfoton EPA Code: N/A	ug/L	8012	USGS O-1126-95	2.32	4.53		1.26 - 7.80	Satisfactory <i>8 passed out of 9 reported results.</i>
Malathion EPA Code: N/A	ug/L	8012	USGS O-1126-95	12.4	11.9		7.70 - 16.1	Satisfactory <i>9 passed out of 9 reported results.</i>
Parathion ethyl EPA Code: N/A	ug/L	8012	USGS O-1126-95	17.6	15.9		9.66 - 22.1	Satisfactory <i>11 passed out of 11 reported results.</i>
Parathion methyl EPA Code: N/A	ug/L	8012	USGS O-1126-95	2.23	3.02		1.08 - 4.96	Satisfactory <i>11 passed out of 11 reported results.</i>
Sample: Non Potable Water Chlorinated Hydrocarbon Pesticides								
4,4-DDE ** EPA Code: N/A	ug/L	8017	USGS O-1126-95	0.864	1.10 *	0.678 - 1.34	0.514 - 1.50	Satisfactory <i>67 passed out of 73 reported results.</i>
alpha-BHC EPA Code: N/A	ug/L	8017	USGS O-1126-95	10.4	8.74		3.54 - 13.9	Satisfactory <i>71 passed out of 74 reported results.</i>

WADSWORTH CENTER
NEW YORK STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL LABORATORY APPROVAL PROGRAM

Proficiency Test Report

Lab Id: 11642	USGS NATIONAL WATER QUALITY LABORATORY POB 25046-MS 407-BLDG 95	Shipment Date : 24-Jan-2005
EPA Lab Code: CO00009	DENVER, CO-80225-0046 UNITED STATES (303) 236-2000	Closing Date : 10-Mar-2005
	Director: MR. MERLE SHOCKEY	Score Date : 29-Mar-2005

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Phenols								
Phenols ** EPA Code: N/A	mg/L	8009	SM 18 5530 (USGS Only)	3.27	2.37	1.67 - 3.07	1.31 - 3.43	Check For Error <i>71 passed out of 73 reported results.</i>
Sample: Non Potable Water Purgeables								
1,1,1-Trichloroethane ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	< 0.32	9.00 *			Satisfactory <i>113 passed out of 121 reported results.</i>
1,1,2,2-Tetrachloroethane EPA Code: N/A	ug/L	8013	USGS O-4127-96	18.1	16.6		9.30 - 23.8	Satisfactory <i>114 passed out of 118 reported results.</i>
1,1,2-Trichloroethane EPA Code: N/A	ug/L	8013	USGS O-4127-96	123	103		70.5 - 135	Satisfactory <i>114 passed out of 118 reported results.</i>
1,1-Dichloroethane EPA Code: N/A	ug/L	8013	USGS O-4127-96	< 0.35	< 10.0 *			Satisfactory <i>114 passed out of 116 reported results.</i>
1,1-Dichloroethene EPA Code: N/A	ug/L	8013	USGS O-4127-96	114	114		64.5 - 164	Satisfactory <i>117 passed out of 119 reported results.</i>
1,2-Dichloroethane ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	67.5	56.7 *	45.2 - 69.3	39.1 - 75.4	Satisfactory <i>110 passed out of 116 reported results.</i>
1,2-Dichlorobenzene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	16.5	14.0 *	11.0 - 16.8	9.55 - 18.3	Satisfactory <i>130 passed out of 132 reported results.</i>
1,2-Dichloropropane EPA Code: N/A	ug/L	8013	USGS O-4127-96	154	137		94.4 - 180	Satisfactory <i>113 passed out of 116 reported results.</i>
1,3-Dichlorobenzene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	38.2	33.7 *	26.8 - 39.1	23.7 - 42.2	Satisfactory <i>130 passed out of 133 reported results.</i>
1,4-Dichlorobenzene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	48.0	42.4 *	33.4 - 50.5	29.1 - 54.7	Satisfactory <i>131 passed out of 135 reported results.</i>

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Proficiency Test Report

Lab Id: 11642 USGS NATIONAL WATER QUALITY LABORATORY
 POB 25046-MS 407-BLDG 95
 EPA Lab Code: DENVER, CO-80225-0046
 CO00009 UNITED STATES
 (303) 236-2000
 Director: MR. MERLE SHOCKEY

Shipment Date : 24-Jan-2005
 Closing Date : 10-Mar-2005
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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables								
Benzene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	56.6	50.0 *	40.8 - 59.6	36.0 - 64.4	Satisfactory <i>123 passed out of 125 reported results.</i>
Bromodichloromethane ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	65.8	54.2 *	43.8 - 65.2	38.4 - 70.5	Check For Error <i>114 passed out of 119 reported results.</i>
Bromoform ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	25.2	22.0 *	16.4 - 27.5	13.6 - 30.3	Satisfactory <i>117 passed out of 118 reported results.</i>
cis-1,3-Dichloropropene EPA Code: N/A	ug/L	8013	USGS O-4127-96	< 0.50	2.83		D.L. - 10.7	Satisfactory <i>118 passed out of 118 reported results.</i>
Carbon tetrachloride ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	67.4	64.5 *	48.3 - 82.4	39.8 - 91.0	Satisfactory <i>109 passed out of 114 reported results.</i>
Trichlorofluoromethane EPA Code: N/A	ug/L	8013	USGS O-4127-96	< 0.8	< 25.0 *			Satisfactory <i>116 passed out of 116 reported results.</i>
Chlorobenzene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	18.0	17.8 *	14.6 - 20.9	13.1 - 22.5	Satisfactory <i>118 passed out of 123 reported results.</i>
Dibromochloromethane ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	29.5	26.0 *	20.0 - 31.6	17.1 - 34.5	Satisfactory <i>109 passed out of 116 reported results.</i>
Chloroethane EPA Code: N/A	ug/L	8013	USGS O-4127-96	< 1.2	< 10.0 *			Satisfactory <i>116 passed out of 116 reported results.</i>
Chloroform ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	50.3	44.5 *	35.3 - 52.8	30.9 - 57.1	Satisfactory <i>115 passed out of 118 reported results.</i>
Ethyl benzene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	59.6	52.0 *	40.2 - 62.4	34.7 - 68.0	Satisfactory <i>122 passed out of 127 reported results.</i>
Methylene chloride ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	33.9	29.2 *	22.2 - 36.9	18.5 - 40.6	Satisfactory <i>110 passed out of 117 reported results.</i>

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Shipment: 280 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables								
trans-1,3-Dichloropropene EPA Code: N/A	ug/L	8013	USGS O-4127-96	164	150		50.6 - 249	Satisfactory <i>116 passed out of 116 reported results.</i>
Tetrachloroethene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	43.4	41.2 *	31.5 - 48.6	27.2 - 52.9	Satisfactory <i>116 passed out of 121 reported results.</i>
Toluene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	59.3	52.5 *	42.4 - 60.9	37.8 - 65.5	Satisfactory <i>125 passed out of 129 reported results.</i>
Trichloroethene ** EPA Code: N/A	ug/L	8013	USGS O-4127-96	32.6	29.5 *	22.4 - 35.1	19.2 - 38.2	Satisfactory <i>118 passed out of 123 reported results.</i>
Total Xylenes EPA Code: N/A	ug/L	8013	USGS O-4127-96	404	408		247 - 568	Satisfactory <i>122 passed out of 127 reported results.</i>
Vinyl chloride EPA Code: N/A	ug/L	8013	USGS O-4127-96	< 0.09	< 10.0 *			Satisfactory <i>115 passed out of 116 reported results.</i>
Sample: Non Potable Water Residue								
Solids, Total EPA Code: N/A	mg/L	8002	USGS I-3750-85	355	372		331 - 413	Satisfactory <i>93 passed out of 108 reported results.</i>
Sample: Non Potable Water Total Dissolved Solids								
Solids, Total Dissolved ** EPA Code: N/A	mg/L	8040	USGS I-1750-85	175	178	145 - 211	128 - 228	Satisfactory <i>98 passed out of 107 reported results.</i>