

**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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 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	7001	USGS I-3561-85	36.8	39.2	30.5 - 47.9	26.1 - 52.3	Satisfactory <i>98 passed out of 105 reported results.</i>
Organic Carbon, Total ** EPA Code: N/A	mg/L	7001	USGS O-3100-83 (USGS Only)	14.9	16.1	14.3 - 18	13.3 - 18.9	Satisfactory <i>61 passed out of 70 reported results.</i>
Sample: Non Potable Water		Chlorophenoxy Acid Pesticides (Herbicides)						
2,4-D EPA Code: N/A	ug/L	7018	USGS O-2060-01 (USGS Only)	1.7164	1.44		D.L. - 3.26	Satisfactory <i>53 passed out of 56 reported results.</i>
Dicamba EPA Code: N/A	ug/L	7018	USGS O-2060-01 (USGS Only)	7.0823	5.63		0.632 - 10.6	Satisfactory <i>33 passed out of 38 reported results.</i>
Sample: Non Potable Water		Inorganic Nutrients						
Ammonia (as N) ** EPA Code: N/A	mg/L	7007	USGS I-2522-90 (USGS Only)	13.3	13.4	11.5 - 15.4	10.5 - 16.4	Satisfactory <i>142 passed out of 146 reported results.</i>
Nitrate (as N) ** EPA Code: N/A	mg/L	7007	USGS I-2545-90 (USGS Only)	31.4	31.6	27.4 - 35.7	25.3 - 37.8	Satisfactory <i>127 passed out of 131 reported results.</i>
Orthophosphate (as P) ** EPA Code: N/A	mg/L	7007	USGS I-2601-90	1.06	1.03	0.922 - 1.15	0.865 - 1.2	Satisfactory <i>100 passed out of 107 reported results.</i>
Sample: Non Potable Water		Mercury						
Mercury, Total ** EPA Code: N/A	ug/L	7011	USGS I-4464-01 (USGS Only)	8.84	9.98	8.29 - 11.7	7.45 - 12.5	Satisfactory <i>131 passed out of 141 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 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								
Silver, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	255	270	244 - 296	231 - 309	Satisfactory <i>172 passed out of 184 reported results.</i>
Silver, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	254	270	244 - 296	231 - 309	Satisfactory <i>172 passed out of 184 reported results.</i>
Aluminum, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	229	241	209 - 274	192 - 290	Satisfactory <i>107 passed out of 142 reported results.</i>
Aluminum, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	245	241	209 - 274	192 - 290	Satisfactory <i>107 passed out of 142 reported results.</i>
Arsenic, Total ** EPA Code: N/A	ug/L	7011	USGS I-4063-98	647	754	672 - 836	631 - 877	Check For Error□□ <i>170 passed out of 179 reported results.</i>
Barium, Total EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	552	590		507 - 673	Satisfactory <i>144 passed out of 155 reported results.</i>
Barium, Total EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	570	590		507 - 673	Satisfactory <i>144 passed out of 155 reported results.</i>
Beryllium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	427	455	412 - 498	391 - 520	Satisfactory <i>141 passed out of 145 reported results.</i>
Beryllium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	432	455	412 - 498	391 - 520	Satisfactory <i>141 passed out of 145 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
 EPA Lab Code: POB 25046-MS 407-BLDG 95
 CO00009 DENVER, CO-80225-0046
 (303) 236-2000
 Director: MR. MERLE SHOCKEY

Shipment Date : 26-Jan-2004
 Closing Date : 11-Mar-2004
 Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
 ** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 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						
Cadmium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	626	666	603 - 729	572 - 760 <i>186 passed out of 192 reported results.</i>	Satisfactory
Cadmium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	651	666	603 - 729	572 - 760 <i>186 passed out of 192 reported results.</i>	Satisfactory
Cobalt, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	691	750	690 - 810	660 - 840 <i>111 passed out of 117 reported results.</i>	Satisfactory
Cobalt, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	685	750	690 - 810	660 - 840 <i>111 passed out of 117 reported results.</i>	Check For Error☐☐
Chromium, Total ** EPA Code: N/A	ug/L	7011	USGS I-3233-93	336	380	347 - 414	330 - 431 <i>179 passed out of 190 reported results.</i>	Check For Error☐☐
Copper, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	273	291	271 - 310	261 - 320 <i>174 passed out of 190 reported results.</i>	Satisfactory
Copper, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	269	291	271 - 310	261 - 320 <i>174 passed out of 190 reported results.</i>	Check For Error☐☐
Iron, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	1016	1080	990 - 1160	946 - 1210 <i>130 passed out of 136 reported results.</i>	Satisfactory
Manganese, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	885	944	878 - 1010	844 - 1040 <i>150 passed out of 155 reported results.</i>	Satisfactory

**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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 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						
Manganese, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	901	944	878 - 1010	844 - 1040	Satisfactory <i>150 passed out of 155 reported results.</i>
Nickel, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	1430	1560	1450 - 1660	1400 - 1720	Check For Error☐☐ <i>177 passed out of 184 reported results.</i>
Nickel, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	1490	1560	1450 - 1660	1400 - 1720	Satisfactory <i>177 passed out of 184 reported results.</i>
Lead, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	1630	1750	1610 - 1880	1540 - 1950	Satisfactory <i>211 passed out of 223 reported results.</i>
Antimony, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	557	610	504 - 716	451 - 769	Satisfactory <i>156 passed out of 164 reported results.</i>
Selenium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	638	663	581 - 746	539 - 788	Satisfactory <i>171 passed out of 177 reported results.</i>
Selenium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4668-98	650	663	581 - 746	539 - 788	Satisfactory <i>171 passed out of 177 reported results.</i>
Thallium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	381	403	354 - 452	329 - 477	Satisfactory <i>139 passed out of 149 reported results.</i>
Vanadium, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	2870	3000	2810 - 3200	2710 - 3300	Satisfactory <i>114 passed out of 124 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.

** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 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						
Zinc, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	590	663	610 - 717	584 - 743	Check For Error <input type="checkbox"/> <i>167 passed out of 174 reported results.</i>
Zinc, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	618	663	610 - 717	584 - 743	Satisfactory <i>167 passed out of 174 reported results.</i>
Sample: Non Potable Water		Metals III						
Molybdenum, Total ** EPA Code: N/A	ug/L	7011	USGS I-4472-97 (USGS Only)	413	426	385 - 466	365 - 486	Satisfactory <i>106 passed out of 119 reported results.</i>
Molybdenum, Total ** EPA Code: N/A	ug/L	7011	USGS I-4471-91 (USGS Only)	412	426	385 - 466	365 - 486	Satisfactory <i>106 passed out of 119 reported results.</i>
Sample: Non Potable Water		Minerals						
Chloride ** EPA Code: N/A	mg/L	7008	USGS I-2057-85 (USGS Only)	73.6	74.5	69.7 - 79.3	67.3 - 81.7	Satisfactory <i>128 passed out of 133 reported results.</i>
Sulfate (as SO4) ** EPA Code: N/A	mg/L	7008	USGS I-2057-85 (USGS Only)	99.5	99.6	89.1 - 110	83.9 - 115	Satisfactory <i>109 passed out of 116 reported results.</i>
Sample: Non Potable Water		Minerals II						
Calcium, Total ** EPA Code: N/A	mg/L	7037	USGS I-4471-91 (USGS Only)	50.0	52.4	48.2 - 56.6	46.2 - 58.6	Satisfactory <i>104 passed out of 113 reported results.</i>
Potassium, Total ** EPA Code: N/A	mg/L	7037	SM 18-20 3120B	4.9	5.16	4.51 - 5.82	4.18 - 6.14	Satisfactory <i>91 passed out of 112 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
 EPA Lab Code: DENVER, CO-80225-0046
 CO00009 (303) 236-2000
 Director: MR. MERLE SHOCKEY

Shipment Date : 26-Jan-2004
 Closing Date : 11-Mar-2004
 Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
 ** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Minerals II								
Magnesium, Total ** EPA Code: N/A	mg/L	7037	USGS I-4471-91 (USGS Only)	26.4	27.2	25 - 29.5	23.9 - 30.6	Satisfactory <i>107 passed out of 120 reported results.</i>
Sodium, Total ** EPA Code: N/A	mg/L	7037	USGS I-4471-91 (USGS Only)	22.6	25	23.1 - 26.9	22.2 - 27.9	Check For Error <input type="checkbox"/> <input type="checkbox"/> <i>102 passed out of 120 reported results.</i>
Sample: Non Potable Water Nitrosamines								
N-Nitrosodimethylamine EPA Code: N/A	ug/L	7014	USGS O-3116-87 (USGS Only)	88.77	47.8		D.L. - 106	Satisfactory <i>77 passed out of 78 reported results.</i>
N-Nitrosodi-n-propylamine EPA Code: N/A	ug/L	7014	USGS O-3116-87 (USGS Only)	157.6	103		39.9 - 167	Satisfactory <i>80 passed out of 83 reported results.</i>
Sample: Non Potable Water Acid extractables								
2,4,6-trichlorophenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	177.6	137		53.5 - 220	Satisfactory <i>87 passed out of 93 reported results.</i>
2,4-dichlorophenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	61.06	45.9		20.8 - 71.1	Satisfactory <i>91 passed out of 93 reported results.</i>
2,4-dimethylphenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	157.8	122		35.5 - 208	Satisfactory <i>91 passed out of 94 reported results.</i>
2,4-dinitrophenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	58.11	62.7		D.L. - 129	Satisfactory <i>91 passed out of 94 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Acid extractables								
2-chlorophenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	< 1.2	< 10			Satisfactory <i>92 passed out of 93 reported results.</i>
2-nitrophenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	146.1	105		38.7 - 171	Satisfactory <i>92 passed out of 94 reported results.</i>
4-chloro-3-methylphenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	112.1	80.8		37.3 - 124	Satisfactory <i>90 passed out of 94 reported results.</i>
phenol EPA Code: N/A	ug/L	7035	USGS O-3116-87 (USGS Only)	49.8	32.8		D.L. - 79.7	Satisfactory <i>91 passed out of 93 reported results.</i>
Sample: Non Potable Water Base/Neutrals								
1,2,4-trichlorobenzene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	98.04	72.9		28.6 - 117	Satisfactory <i>91 passed out of 91 reported results.</i>
2,4-dinitrotoluene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	27.18	17		4.87 - 29	Satisfactory <i>83 passed out of 89 reported results.</i>
2,6-dinitrotoluene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	27.18	< 10			Unsatisfactory <== <i>87 passed out of 89 reported results.</i>
2-chloronaphthalene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	139.4	98.8		51.9 - 146	Satisfactory <i>84 passed out of 88 reported results.</i>
4-chlorophenylphenyl ether EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	100.3	73.4		34.3 - 113	Satisfactory <i>87 passed out of 89 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water		Base/Neutrals						
4-bromophenylphenyl ether EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 2.1	< 10			Satisfactory <i>89 passed out of 89 reported results.</i>
acenaphthene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	27.44	21.9		10.9 - 33	Satisfactory <i>96 passed out of 100 reported results.</i>
anthracene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	82.96	62.2		28.3 - 96.2	Satisfactory <i>96 passed out of 101 reported results.</i>
acenaphthylene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	2.95	< 10			Unsatisfactory <== <i>99 passed out of 102 reported results.</i>
bis(2-chloroethyl)ether EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 1.0	< 10			Satisfactory <i>88 passed out of 89 reported results.</i>
bis(2-chloroethoxy)methane EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	120.2	82.3		41.1 - 124	Satisfactory <i>87 passed out of 89 reported results.</i>
bis(2-chloroisopropyl)ether EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	89.64	63.4		18.9 - 108	Satisfactory <i>87 passed out of 88 reported results.</i>
bis(2-ethylhexyl)phthalate EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	78.52	69.2		17.9 - 120	Satisfactory <i>85 passed out of 91 reported results.</i>
benzo(a)anthracene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	94.46	76.8		45.3 - 108	Satisfactory <i>94 passed out of 102 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
 EPA Lab Code: DENVER, CO-80225-0046
 CO00009 (303) 236-2000
 Director: MR. MERLE SHOCKEY

Shipment Date : 26-Jan-2004
 Closing Date : 11-Mar-2004
 Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
 ** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water		Base/Neutrals						
benzo(a)pyrene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	75.96	87		30.4 - 144 94 passed out of 102 reported results.	Satisfactory
benzo(b)fluoranthene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	188.5	140		33 - 246 95 passed out of 103 reported results.	Satisfactory
benzo(g,h,i)perylene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	100.8	145		48.1 - 243 89 passed out of 102 reported results.	Satisfactory
benzo(k)fluoranthene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 1.4	< 10			Satisfactory 88 passed out of 102 reported results.
benzyl butyl phthalate EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	171.4	103		D.L. - 232 91 passed out of 92 reported results.	Satisfactory
chrysene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 1.2	< 14			Satisfactory 95 passed out of 103 reported results.
dibenzo(a,h)anthracene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 2.2	< 10			Satisfactory 101 passed out of 101 reported results.
di-n-butyl phthalate EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	212.3	112		16.4 - 208 87 passed out of 91 reported results.	Unsatisfactory <==
diethyl phthalate EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	148.10	90.5		D.L. - 188 93 passed out of 93 reported results.	Satisfactory

**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 : 26-Jan-2004	
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004	
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004	

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals								
dimethyl phthalate EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	119.10	69		D.L. - 158	Satisfactory <i>92 passed out of 92 reported results.</i>
di-n-octyl phthalate EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 2.3	< 20			Satisfactory <i>90 passed out of 91 reported results.</i>
fluoranthene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	106.6	107		52.8 - 160	Satisfactory <i>99 passed out of 103 reported results.</i>
hexachlorobenzene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	3.25	< 10			Unsatisfactory <== <i>89 passed out of 92 reported results.</i>
indeno(1,2,3-c,d)pyrene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	< 1.8	< 10			Satisfactory <i>99 passed out of 101 reported results.</i>
isophorone EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	127.0	103		41.9 - 164	Satisfactory <i>88 passed out of 88 reported results.</i>
naphthalene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	148.9	103		32.4 - 173	Satisfactory <i>101 passed out of 101 reported results.</i>
nitrobenzene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	96.44	69.1		28 - 110	Satisfactory <i>88 passed out of 89 reported results.</i>
phenanthrene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	149.5	92		39.9 - 144	Unsatisfactory <== <i>99 passed out of 102 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals								
pyrene EPA Code: N/A	ug/L	7036	USGS O-3116-87 (USGS Only)	76.05	49.4		18.7 - 80.1	Satisfactory <i>98 passed out of 102 reported results.</i>
Sample: Non Potable Water Total Cyanide								
Cyanide, Total ** EPA Code: N/A	mg/L	7011	USGS I-4302-8f	0.414	0.484	0.386 - 0.582	0.337 - 0.631	Satisfactory <i>96 passed out of 104 reported results.</i>
Sample: Non Potable Water Oil and Grease								
Oil & Grease Total Recoverable ** EPA Code: 0104	mg/L	7010	EPA 1664-A	10.1	17.2	12.9 - 21.5	10.7 - 23.7	Unsatisfactory <== <i>104 passed out of 116 reported results.</i>
Sample: Non Potable Water Organic Nutrients								
Kjeldahl Nitrogen, Total ** EPA Code: 0034	mg/L	7004	USGS I-4515-91	15.5	14.9	12.2 - 17.5	10.9 - 18.8	Satisfactory <i>102 passed out of 107 reported results.</i>
Phosphorus, Total ** EPA Code: 0035	mg/L	7004	USGS I-4610-91	4.22	3.77	3.23 - 4.31	2.96 - 4.58	Satisfactory <i>125 passed out of 135 reported results.</i>
Sample: Non Potable Water Organophosphate Pesticides								
Azinphos methyl EPA Code: N/A	ug/L	7012	USGS O-1126-95 (USGS Only)	7.87	12.6		1.86 - 23.3	Satisfactory <i>10 passed out of 11 reported results.</i>
Diazinon EPA Code: N/A	ug/L	7012	USGS O-1126-95 (USGS Only)	3.45	3.83		2.18 - 5.48	Satisfactory <i>11 passed out of 11 reported results.</i>
Disulfoton EPA Code: N/A	ug/L	7012	USGS O-1126-95 (USGS Only)	11.1	12.5		2.42 - 22.6	Satisfactory <i>11 passed out of 11 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000 Director: MR. MERLE SHOCKEY	Closing Date : 11-Mar-2004 Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water		Organophosphate Pesticides						
Malathion EPA Code: N/A	ug/L	7012	USGS O-1126-95 (USGS Only)	8.22	9.01		1.9 - 16.1	Satisfactory <i>11 passed out of 12 reported results.</i>
Parathion ethyl EPA Code: N/A	ug/L	7012	USGS O-1126-95 (USGS Only)	13.2	14.6		8.12 - 21.1	Satisfactory <i>11 passed out of 11 reported results.</i>
Parathion methyl EPA Code: N/A	ug/L	7012	USGS O-1126-95 (USGS Only)	3.13	5.06		2.19 - 7.93	Satisfactory <i>12 passed out of 12 reported results.</i>
Sample: Non Potable Water		Chlorinated Hydrocarbon Pesticides						
4,4-DDE ** EPA Code: N/A	ug/L	7017	USGS O-1126-95 (USGS Only)	0.713	0.881	0.593 - 1.17	0.449 - 1.31	Satisfactory <i>74 passed out of 84 reported results.</i>
alpha-BHC EPA Code: N/A	ug/L	7017	USGS O-1126-95 (USGS Only)	9.83	10		4.03 - 16.1	Satisfactory <i>79 passed out of 83 reported results.</i>
Sample: Non Potable Water		Phenols						
Phenols ** EPA Code: N/A	mg/L	7009	SM 18 5530 (USGS Only)	1.40	1.33	0.932 - 1.73	0.733 - 1.93	Satisfactory <i>79 passed out of 81 reported results.</i>
Sample: Non Potable Water		Purgeables						
1,1,1-Trichloroethane ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	34.6	33.1	25.6 - 40.6	21.9 - 44.3	Satisfactory <i>127 passed out of 131 reported results.</i>
1,1,2,2-Tetrachloroethane EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	174	157		93.3 - 220	Satisfactory <i>118 passed out of 128 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 : 26-Jan-2004	
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004	
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004	

This report may contain data that are not covered by the NVLAP accreditation.
 ** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables								
1,1,2-Trichloroethane EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	< 0.64	< 10			Satisfactory <i>128 passed out of 129 reported results.</i>
1,1-Dichloroethane EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	50.7	50.3		35 - 65.6	Satisfactory <i>118 passed out of 126 reported results.</i>
1,1-Dichloroethene EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	149	160		87.8 - 233	Satisfactory <i>125 passed out of 131 reported results.</i>
1,2-Dichloroethane ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	< 1.3	< 10			Satisfactory <i>125 passed out of 127 reported results.</i>
1,2-Dichlorobenzene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	39.6	35.1	28.4 - 41.9	25 - 45.2	Satisfactory <i>134 passed out of 140 reported results.</i>
1,2-Dichloropropane EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	183	169		116 - 222	Satisfactory <i>121 passed out of 127 reported results.</i>
1,3-Dichlorobenzene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	44.2	39.9	32.5 - 47.3	28.8 - 51	Satisfactory <i>135 passed out of 141 reported results.</i>
1,4-Dichlorobenzene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	41.2	37.9	30.2 - 45.6	26.3 - 49.5	Satisfactory <i>136 passed out of 141 reported results.</i>
Benzene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	62.5	59.7	48.6 - 70.9	43 - 76.5	Satisfactory <i>127 passed out of 130 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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000	Closing Date : 11-Mar-2004
	Director: MR. MERLE SHOCKEY	Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables								
Bromodichloromethane ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	< 0.28	< 10			Satisfactory <i>125 passed out of 129 reported results.</i>
Bromoform ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	32.0	29.4	22.2 - 36.6	18.5 - 40.2	Satisfactory <i>124 passed out of 129 reported results.</i>
cis-1,3-Dichloropropene EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	49.2	46.3		31.7 - 60.9	Satisfactory <i>125 passed out of 128 reported results.</i>
Carbon tetrachloride ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	53.5	53.7	39.7 - 67.6	32.7 - 74.6	Satisfactory <i>123 passed out of 126 reported results.</i>
Trichlorofluoromethane EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	181	183		27.7 - 337	Satisfactory <i>115 passed out of 119 reported results.</i>
Chlorobenzene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	14.2	13.2	11 - 15.5	9.89 - 16.6	Satisfactory <i>123 passed out of 134 reported results.</i>
Dibromochloromethane ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	49.7	44.9	34.9 - 55	29.9 - 60	Satisfactory <i>120 passed out of 126 reported results.</i>
Chloroethane EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	61.2	52.2		21.6 - 82.9	Satisfactory <i>119 passed out of 126 reported results.</i>
Chloroform ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	42.5	39.3	31.5 - 47.1	27.7 - 51	Satisfactory <i>127 passed out of 131 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
 EPA Lab Code: DENVER, CO-80225-0046
 CO00009 (303) 236-2000
 Director: MR. MERLE SHOCKEY

Shipment Date : 26-Jan-2004
 Closing Date : 11-Mar-2004
 Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
 ** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables								
Ethyl benzene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	32.7	31	24.4 - 37.6	21.1 - 40.9 <i>123 passed out of 128 reported results.</i>	Satisfactory
Methylene chloride ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	20.0	18.9	14.1 - 23.7	11.7 - 26.1 <i>122 passed out of 130 reported results.</i>	Satisfactory
trans-1,3-Dichloropropene EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	31.2	27.5		11.6 - 43.4 <i>123 passed out of 128 reported results.</i>	Satisfactory
Tetrachloroethene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	< 0.6	< 10			Satisfactory <i>128 passed out of 133 reported results.</i>
Toluene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	43.1	40.7	33.4 - 48.1	29.7 - 51.8 <i>125 passed out of 131 reported results.</i>	Satisfactory
Trichloroethene ** EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	< 0.38	< 10			Satisfactory <i>109 passed out of 135 reported results.</i>
Total Xylenes EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	199	183		110 - 255 <i>121 passed out of 126 reported results.</i>	Satisfactory
Vinyl chloride EPA Code: N/A	ug/L	7013	USGS O-4127-96 (USGS Only)	< 0.6	< 10			Satisfactory <i>125 passed out of 127 reported results.</i>
Sample: Non Potable Water Residue								
Solids, Total Dissolved ** EPA Code: 0021	mg/L	7002	USGS I-1750-85	571	530	449 - 611	408 - 652 <i>117 passed out of 119 reported results.</i>	Satisfactory

**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 : 26-Jan-2004
EPA Lab Code: CO00009	DENVER, CO-80225-0046 (303) 236-2000 Director: MR. MERLE SHOCKEY	Closing Date : 11-Mar-2004 Score Date : 01-Apr-2004

This report may contain data that are not covered by the NVLAP accreditation.
** indicates NVLAP accredited analyte. Lab Code 200387-0. ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 270 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Residue								
Solids, Total EPA Code: N/A	mg/L	7002	USGS I-3750-85	570	576		528 - 623	Satisfactory
<i>112 passed out of 122 reported results.</i>								