

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

**Proficiency Test Report**

Lab Id: 11642      USGS NATIONAL WATER LAB  
 POB 25046-MS 407-BLDG 95  
 EPA Lab Code:    DENVER, CO-80225-0046  
 C000009          (303) 236-2000  
 Director: MR. GREGORY MOHRMAN

Shipment Date    : 21-Jul-2003  
 Closing Date     : 04-Sep-2003  
 Score Date      : 01-Oct-2003  
 Revision Date    : 19-Nov-2003  
 Revision #       : 1

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    AROM</b>								
1,2-Dichlorobenzene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	59.1	56.4	45.8 - 67	40.5 - 72.3	Satisfactory <i>134 passed out of 140 reported results.</i>
1,3-Dichlorobenzene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	33.5	33.4	27.2 - 39.7	24.1 - 42.8	Satisfactory <i>132 passed out of 139 reported results.</i>
1,4-Dichlorobenzene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 0.5	< 10			Satisfactory <i>142 passed out of 143 reported results.</i>
Benzene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	35.6	34	27.5 - 40.5	24.2 - 43.7	Satisfactory <i>126 passed out of 131 reported results.</i>
Chlorobenzene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	61.2	54.1	43.7 - 64.5	38.5 - 69.7	Satisfactory <i>135 passed out of 139 reported results.</i>
Ethyl benzene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	59.6	52	40.8 - 63.3	35.1 - 68.9	Satisfactory <i>127 passed out of 131 reported results.</i>
Toluene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	24.7	22.5	18.3 - 26.7	16.1 - 28.9	Satisfactory <i>129 passed out of 135 reported results.</i>
Total Xylenes EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	355	279		168 - 389	Satisfactory <i>122 passed out of 127 reported results.</i>
<b>Sample: Non Potable Water    Benzidines</b>								
3,3-dichlorobenzidine EPA Code: N/A	ug/L	6515	USGS O-3116-87 (USGS Only)	22.34	123		33.6 - 212	Unsatisfactory <== <i>77 passed out of 82 reported results.</i>

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    Benzidines</b>								
Benzidine EPA Code: N/A	ug/L	6515	USGS O-3116-87 (USGS Only)	410.8	258		D.L. - 232	Unsatisfactory <== 73 passed out of 76 reported results.
<b>Sample: Non Potable Water    Demand</b>								
Chemical Oxygen Demand ** EPA Code: 0036	mg/L	6501	USGS I-3561-85	124.5	119	103 - 136	94.4 - 144	Satisfactory 107 passed out of 112 reported results.
Organic Carbon, Total ** EPA Code: N/A	mg/L	6501	USGS O-3100-83 (USGS Only)	50.3	49.1	43.8 - 54.3	41.2 - 57	Satisfactory 73 passed out of 75 reported results.
<b>Sample: Non Potable Water    HALO</b>								
1,1,1-Trichloroethane ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	38.7	36.6	28.3 - 44.9	24.2 - 49.1	Satisfactory 126 passed out of 130 reported results.
1,1,2,2-Tetrachloroethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	91.0	84.1		49.7 - 118	Satisfactory 122 passed out of 128 reported results.
1,1,2-Trichloroethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	95.9	87.2		59.9 - 115	Satisfactory 124 passed out of 127 reported results.
1,1-Dichloroethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 0.35	< 10			Satisfactory 123 passed out of 124 reported results.
1,1-Dichloroethene EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	65.7	64.6		34 - 95.2	Satisfactory 123 passed out of 128 reported results.

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    HALO</b>								
1,2-Dichloroethane ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 1.3	< 10			Satisfactory  125 passed out of 127 reported results.
1,2-Dichloropropane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	91.9	80.2		55.8 - 105	Satisfactory  121 passed out of 126 reported results.
Bromodichloromethane ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	38.7	35.3	28.3 - 42.3	24.8 - 45.8	Satisfactory  121 passed out of 128 reported results.
Bromoform ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	55.0	57	43.6 - 70.5	36.8 - 77.2	Satisfactory  123 passed out of 129 reported results.
cis-1,3-Dichloropropene EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 0.9	< 10			Satisfactory  126 passed out of 126 reported results.
Carbon tetrachloride ** EPA Code: N/A	ug/L	6513	USGS I-4063-98	18.9		13.6 - 22.9	11.3 - 25.2	Unsatisfactory <==  122 passed out of 128 reported results.  Invalid because Lab not accredited for Category/Analyte by this Method
Bromomethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	33.4	48.5		12.7 - 84.3	Satisfactory  119 passed out of 123 reported results.
Chloromethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	39.3	49.4		14.8 - 84.1	Satisfactory  121 passed out of 125 reported results.
Trichlorofluoromethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 0.9	< 10			Satisfactory  103 passed out of 104 reported results.

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    HALO</b>								
Dibromochloromethane ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	25.4	24.1	18.7 - 29.5	16 - 32.2	Satisfactory <i>123 passed out of 126 reported results.</i>
Chloroethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 1.2	< 10			Satisfactory <i>119 passed out of 124 reported results.</i>
Chloroform ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	38.1	35.2	28.3 - 42.2	24.8 - 45.6	Satisfactory <i>125 passed out of 130 reported results.</i>
Dichlorodifluoromethane EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 1.8	< 25			Satisfactory <i>89 passed out of 89 reported results.</i>
Methylene chloride ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	34.0	32.4	24.3 - 40.5	20.3 - 44.6	Satisfactory <i>122 passed out of 128 reported results.</i>
trans-1,3-Dichloropropene EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 0.9	< 10			Satisfactory <i>126 passed out of 126 reported results.</i>
Tetrachloroethene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	58.0	54.1	42.6 - 65.6	36.9 - 71.3	Satisfactory <i>125 passed out of 131 reported results.</i>
Trichloroethene ** EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	43.3	38.2	29.8 - 46.6	25.5 - 50.9	Satisfactory <i>127 passed out of 133 reported results.</i>
Vinyl chloride EPA Code: N/A	ug/L	6513	USGS O-4127-96 (USGS Only)	< 1.1	< 10			Satisfactory <i>122 passed out of 125 reported results.</i>

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    Chlorophenoxy Acid Pesticides (Herbicides)</b>								
2,4-D EPA Code: N/A	ug/L	6518	USGS O-2060-01 (USGS Only)	3.6088	4.75		D.L. - 6.36 50 passed out of 51 reported results.	Satisfactory
Dicamba EPA Code: N/A	ug/L	6518	USGS O-2060-01 (USGS Only)	3.772	3.45		0.296 - 6.61 36 passed out of 38 reported results.	Satisfactory
<b>Sample: Non Potable Water    Inorganic Nutrients</b>								
Ammonia (as N) ** EPA Code: N/A	mg/L	6507	USGS I-2522-90 (USGS Only)	3.768	3.66	3.08 - 4.25	2.78 - 4.54 137 passed out of 142 reported results.	Satisfactory
Nitrate (as N) ** EPA Code: N/A	mg/L	6507	USGS I-2545-90 (USGS Only)	34.584	34.7	30.2 - 39.3	27.9 - 41.6 123 passed out of 128 reported results.	Satisfactory
Orthophosphate (as P) ** EPA Code: N/A	mg/L	6507	USGS I-2601-90	4.113	4.15	3.73 - 4.56	3.53 - 4.77 88 passed out of 94 reported results.	Satisfactory
<b>Sample: Non Potable Water    Mercury</b>								
Mercury, Total ** EPA Code: N/A	ug/L	6511	USGS I-4464-01 (USGS Only)	4.5528	4.99	4.11 - 5.88	3.66 - 6.33 119 passed out of 129 reported results.	Satisfactory
<b>Sample: Non Potable Water    Metals I and II</b>								
Silver, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	79.91	80	72 - 87.9	68 - 91.9 148 passed out of 176 reported results.	Satisfactory
Silver, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	58.80	80	72 - 87.9	68 - 91.9 148 passed out of 176 reported results.	Unsatisfactory <==

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water      Metals I and II</b>								
Aluminum, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	2159.3	2050	1860 - 2240	1770 - 2330 <i>134 passed out of 141 reported results.</i>	Satisfactory
Aluminum, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	2116	2050	1860 - 2240	1770 - 2330 <i>134 passed out of 141 reported results.</i>	Satisfactory
Arsenic, Total ** EPA Code: N/A	ug/L	6511	USGS I-4063-98	156.8	150	131 - 169	122 - 178 <i>155 passed out of 177 reported results.</i>	Satisfactory
Barium, Total EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	1639.8	1740		1490 - 1980 <i>147 passed out of 152 reported results.</i>	Satisfactory
Barium, Total EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	1688	1740		1490 - 1980 <i>147 passed out of 152 reported results.</i>	Satisfactory
Beryllium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	442.6	445	403 - 487	382 - 508 <i>144 passed out of 146 reported results.</i>	Satisfactory
Beryllium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	415.0	445	403 - 487	382 - 508 <i>144 passed out of 146 reported results.</i>	Satisfactory
Calcium, Total ** EPA Code: N/A	mg/L	6511	USGS I-4471-91 (USGS Only)	23.74	25.1	23 - 27.3	21.9 - 28.3 <i>105 passed out of 114 reported results.</i>	Satisfactory
Cadmium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	327.2	338	306 - 370	290 - 387 <i>173 passed out of 180 reported results.</i>	Satisfactory

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    Metals I and II</b>								
Cadmium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	315.4	338	306 - 370	290 - 387 <i>173 passed out of 180 reported results.</i>	Satisfactory
Cobalt, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	742.75	760	699 - 821	668 - 851 <i>112 passed out of 114 reported results.</i>	Satisfactory
Cobalt, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	706.9	760	699 - 821	668 - 851 <i>112 passed out of 114 reported results.</i>	Satisfactory
Chromium, Total ** EPA Code: N/A	ug/L	6511	USGS I-3233-93	536.7	571	521 - 620	496 - 645 <i>168 passed out of 180 reported results.</i>	Satisfactory
Copper, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	579.8	612	573 - 650	554 - 670 <i>176 passed out of 183 reported results.</i>	Satisfactory
Copper, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	584.4	612	573 - 650	554 - 670 <i>176 passed out of 183 reported results.</i>	Satisfactory
Iron, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	467.9	504	461 - 547	439 - 569 <i>127 passed out of 136 reported results.</i>	Satisfactory
Potassium, Total ** EPA Code: 0026	mg/L	6511	SM 18-20 3120B	26.31	27.1	24.5 - 29.6	23.3 - 30.8 <i>104 passed out of 110 reported results.</i>	Satisfactory
Magnesium, Total ** EPA Code: N/A	mg/L	6511	USGS I-4471-91 (USGS Only)	2.997	3.02	2.72 - 3.32	2.57 - 3.48 <i>112 passed out of 120 reported results.</i>	Satisfactory

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water      Metals I and II</b>								
Manganese, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	782.4	804	747 - 860	718 - 889	Satisfactory <i>146 passed out of 153 reported results.</i>
Manganese, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	746.4	804	747 - 860	718 - 889	Check For Error□□ <i>146 passed out of 153 reported results.</i>
Sodium, Total ** EPA Code: N/A	mg/L	6511	USGS I-4471-91 (USGS Only)	22.75	24.1	22.3 - 26	21.3 - 26.9	Satisfactory <i>112 passed out of 117 reported results.</i>
Nickel, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	1986	2070	1930 - 2210	1860 - 2280	Satisfactory <i>169 passed out of 178 reported results.</i>
Nickel, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	1990	2070	1930 - 2210	1860 - 2280	Satisfactory <i>169 passed out of 178 reported results.</i>
Lead, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	1602.3	1650	1520 - 1780	1450 - 1840	Satisfactory <i>199 passed out of 206 reported results.</i>
Antimony, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	208.6	217	175 - 259	153 - 280	Satisfactory <i>149 passed out of 158 reported results.</i>
Selenium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	434.0	439	383 - 494	355 - 522	Satisfactory <i>169 passed out of 174 reported results.</i>
Selenium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4668-98	498.6	439	383 - 494	355 - 522	Check For Error□□ <i>169 passed out of 174 reported results.</i>

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Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water</b>		<b>Metals I and II</b>						
Thallium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	349.2	354	311 - 398	289 - 419 <i>135 passed out of 143 reported results.</i>	Satisfactory
Vanadium, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	4051	4090	3830 - 4360	3690 - 4490 <i>116 passed out of 124 reported results.</i>	Satisfactory
Zinc, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	638.4	693	638 - 749	610 - 777 <i>163 passed out of 173 reported results.</i>	Satisfactory
Zinc, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	648.0	693	638 - 749	610 - 777 <i>163 passed out of 173 reported results.</i>	Satisfactory
<b>Sample: Non Potable Water</b>		<b>Metals III</b>						
Molybdenum, Total ** EPA Code: N/A	ug/L	6511	USGS I-4472-97 (USGS Only)	301.97	317	287 - 348	271 - 363 <i>99 passed out of 109 reported results.</i>	Satisfactory
Molybdenum, Total ** EPA Code: N/A	ug/L	6511	USGS I-4471-91 (USGS Only)	315.4	317	287 - 348	271 - 363 <i>99 passed out of 109 reported results.</i>	Satisfactory
<b>Sample: Non Potable Water</b>		<b>Minerals</b>						
Chloride ** EPA Code: N/A	mg/L	6508	USGS I-2057-85 (USGS Only)	86.29	85.5	80.1 - 90.9	77.5 - 93.6 <i>115 passed out of 121 reported results.</i>	Satisfactory
Sulfate (as SO4) ** EPA Code: N/A	mg/L	6508	USGS I-2057-85 (USGS Only)	103.92	105	93.6 - 115	88.1 - 121 <i>102 passed out of 108 reported results.</i>	Satisfactory

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 POB 25046-MS 407-BLDG 95  
 EPA Lab Code:    DENVER, CO-80225-0046  
 CO00009          (303) 236-2000  
 Director: MR. GREGORY MOHRMAN

Shipment Date : 21-Jul-2003  
 Closing Date : 04-Sep-2003  
 Score Date : 01-Oct-2003  
 Revision Date : 19-Nov-2003  
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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water</b>		<b>Nitrosamines</b>						
N-Nitrosodimethylamine EPA Code: N/A	ug/L	6514	USGS O-3116-87 (USGS Only)	77.84	61.9		D.L. - 115 79 passed out of 81 reported results.	Satisfactory
N-Nitrosodiphenylamine EPA Code: N/A	ug/L	6514	USGS O-3116-87 (USGS Only)	92.78	103		30.7 - 175 85 passed out of 86 reported results.	Satisfactory
N-Nitrosodi-n-propylamine EPA Code: N/A	ug/L	6514	USGS O-3116-87 (USGS Only)	103.8	105		40.5 - 169 83 passed out of 86 reported results.	Satisfactory
<b>Sample: Non Potable Water</b>		<b>Acid extractables</b>						
2,4,6-trichlorophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	59.52	71.2		28.8 - 114 91 passed out of 93 reported results.	Satisfactory
2,4-dichlorophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	40.75	31.2		13.9 - 48.5 91 passed out of 93 reported results.	Satisfactory
2,4-dimethylphenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	97.31	93.9		26.6 - 161 91 passed out of 93 reported results.	Satisfactory
2,4-dinitrophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	24.03	82.7		D.L. - 132 92 passed out of 93 reported results.	Satisfactory
2-chlorophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	51.58	56.4		21.8 - 91 91 passed out of 92 reported results.	Satisfactory
2-methyl-4,6-dinitrophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	40.70	61.1		16.5 - 106 90 passed out of 93 reported results.	Satisfactory

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water</b>		<b>Acid extractables</b>						
2-nitrophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	93.02	100		36.9 - 163	Satisfactory <i>92 passed out of 93 reported results.</i>
4-chloro-3-methylphenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	109.8	120		56.2 - 184	Satisfactory <i>91 passed out of 92 reported results.</i>
4-nitrophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	45.11	57		D.L. - 103	Satisfactory <i>92 passed out of 93 reported results.</i>
phenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	98.66	103		D.L. - 184	Satisfactory <i>92 passed out of 92 reported results.</i>
pentachlorophenol EPA Code: N/A	ug/L	6535	USGS O-3116-87 (USGS Only)	38.61	82.6		25.6 - 140	Satisfactory <i>90 passed out of 92 reported results.</i>
<b>Sample: Non Potable Water</b>		<b>Total Alkalinity</b>						
Alkalinity ** EPA Code: 0027	mg/L	6506	USGS I-2030-85	16.31	16.8	14.1 - 19.5	12.7 - 20.9	Satisfactory <i>113 passed out of 120 reported results.</i>
<b>Sample: Non Potable Water</b>		<b>Base/Neutrals</b>						
1,2,4-trichlorobenzene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	26.91	22.8		8.04 - 37.5	Satisfactory <i>91 passed out of 92 reported results.</i>
2,4-dinitrotoluene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	24.34	16.7		4.73 - 28.6	Satisfactory <i>82 passed out of 89 reported results.</i>

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water      Base/Neutrals</b>								
2,6-dinitrotoluene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	24.34	51.1		23.4 - 78.9 85 passed out of 89 reported results.	Satisfactory
2-chloronaphthalene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	48.82	37.7		18.3 - 57.1 86 passed out of 90 reported results.	Satisfactory
4-chlorophenylphenyl ether EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	79.76	92.7		41.6 - 144 89 passed out of 91 reported results.	Satisfactory
4-bromophenylphenyl ether EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	43.50	52.5		27.3 - 77.8 86 passed out of 89 reported results.	Satisfactory
acenaphthene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	69.07	82.1		37.2 - 127 96 passed out of 98 reported results.	Satisfactory
anthracene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	117.8	133		54.4 - 212 96 passed out of 99 reported results.	Satisfactory
acenaphthylene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	46.7	56.1		27.2 - 84.9 96 passed out of 98 reported results.	Satisfactory
bis(2-chloroethyl)ether EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	40.6	42.9		16 - 69.7 84 passed out of 91 reported results.	Satisfactory
bis(2-chloroethoxy)methane EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	176.4	130		65.4 - 195 87 passed out of 91 reported results.	Satisfactory

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Shipment: 265 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water</b>		<b>Base/Neutrals</b>						
bis(2-chloroisopropyl)ether EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	119.2	143		39.6 - 247	Satisfactory <i>89 passed out of 89 reported results.</i>
bis(2-ethylhexyl)phthalate EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	141.7	115		20.5 - 210	Satisfactory <i>89 passed out of 94 reported results.</i>
benzo(a)anthracene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	73.31	87		50.8 - 123	Satisfactory <i>91 passed out of 99 reported results.</i>
benzo(a)pyrene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	72.03	83		28.8 - 137	Satisfactory <i>96 passed out of 99 reported results.</i>
benzo(b)fluoranthene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	80.46	92.7		24.5 - 161	Satisfactory <i>95 passed out of 99 reported results.</i>
benzo(g,h,i)perylene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	59.62	109		34.6 - 183	Satisfactory <i>92 passed out of 99 reported results.</i>
benzo(k)fluoranthene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	95.78	108		32.6 - 184	Satisfactory <i>96 passed out of 99 reported results.</i>
benzyl butyl phthalate EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	106.1	74.6		D.L. - 103	Unsatisfactory <== <i>93 passed out of 94 reported results.</i>
chrysene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	80.33	< 14			Unsatisfactory <== <i>85 passed out of 99 reported results.</i>

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water      Base/Neutrals</b>								
dibenzo(a,h)anthracene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	53.86	114		31.6 - 196	Satisfactory 90 passed out of 97 reported results.
di-n-butyl phthalate EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	106.1	114		16.4 - 211	Satisfactory 94 passed out of 94 reported results.
diethyl phthalate EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	109.8	163		D.L. - 233	Satisfactory 94 passed out of 94 reported results.
dimethyl phthalate EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	94.09	120		D.L. - 198	Satisfactory 94 passed out of 94 reported results.
di-n-octyl phthalate EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	11.73	17.6		7.52 - 27.7	Satisfactory 84 passed out of 94 reported results.
fluoranthene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	< 2.4	< 10			Satisfactory 95 passed out of 98 reported results.
hexachlorobenzene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	25.38	23.8		11.9 - 35.7	Satisfactory 91 passed out of 93 reported results.
hexachlorobutadiene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	84.44	98.7		25.2 - 172	Satisfactory 90 passed out of 92 reported results.
hexachloroethane EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	39.74	47.7		7.57 - 87.8	Satisfactory 91 passed out of 91 reported results.

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water</b>		<b>Base/Neutrals</b>						
hexachlorocyclopentadiene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	13.62	20.4		D.L. - 34.4	Satisfactory <i>87 passed out of 91 reported results.</i>
indeno(1,2,3-c,d)pyrene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	44.01	49.3		7.26 - 91.4	Satisfactory <i>94 passed out of 99 reported results.</i>
isophorone EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	86.75	95.4		39.2 - 152	Satisfactory <i>87 passed out of 89 reported results.</i>
naphthalene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	< 1.6	< 10			Satisfactory <i>99 passed out of 99 reported results.</i>
nitrobenzene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	97.93	108		42.8 - 174	Satisfactory <i>87 passed out of 88 reported results.</i>
phenanthrene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	56.85	66.6		31.9 - 101	Satisfactory <i>95 passed out of 99 reported results.</i>
pyrene EPA Code: N/A	ug/L	6536	USGS O-3116-87 (USGS Only)	55.75	65.9		25.4 - 106	Satisfactory <i>98 passed out of 99 reported results.</i>
<b>Sample: Non Potable Water</b>		<b>Total Cyanide</b>						
Cyanide, Total ** EPA Code: N/A	mg/L	6511	USGS I-4302-85	0.5683	0.582	0.465 - 0.699	0.406 - 0.757	Satisfactory <i>90 passed out of 106 reported results.</i>

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water    Hydrogen Ion</b>								
Hydrogen Ion (pH) ** EPA Code: N/A	pH	6503	USGS I-2587-85	7.53	7.6	7.46 - 7.74	7.39 - 7.81	Satisfactory <i>315 passed out of 318 reported results.</i>
<b>Sample: Non Potable Water    Oil and Grease</b>								
Oil & Grease Total Recoverable ** EPA Code: 0104	mg/L	6510	EPA 1664-A	36.3	36.2	29.7 - 42.7	26.5 - 45.9	Satisfactory <i>106 passed out of 116 reported results.</i>
<b>Sample: Non Potable Water    Organic Nutrients</b>								
Kjeldahl Nitrogen, Total ** EPA Code: 0034	mg/L	6504	USGS I-4515-91	14.181	14	11.5 - 16.5	10.3 - 17.7	Satisfactory <i>102 passed out of 108 reported results.</i>
Phosphorus, Total ** EPA Code: 0035	mg/L	6504	USGS I-4610-91	5.717	5.31	4.56 - 6.06	4.18 - 6.44	Satisfactory <i>119 passed out of 132 reported results.</i>
<b>Sample: Non Potable Water    Organophosphate Pesticides</b>								
Azinphos methyl EPA Code: N/A	ug/L	6512	USGS O-1126-95 (USGS Only)	13.0	14.6		D.L. - 33.7	Satisfactory <i>9 passed out of 9 reported results.</i>
Azinphos methyl EPA Code: N/A	ug/L	6512	USGS O-1126-95	Not Reported				Unsatisfactory <==  No data was reported for this Sample/Analyte by this Lab.
Diazinon EPA Code: N/A	ug/L	6512	USGS O-1126-95 (USGS Only)	16.4	13		D.L. - 34.1	Satisfactory <i>9 passed out of 9 reported results.</i>
Diazinon EPA Code: N/A	ug/L	6512	USGS O-1126-95	Not Reported				Unsatisfactory <==  No data was reported for this Sample/Analyte by this Lab.

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water      Organophosphate Pesticides</b>								
Disulfoton EPA Code: N/A	ug/L	6512	USGS O-1126-95 (USGS Only)	2.75	3.49		0.664 - 6.32	Satisfactory <i>7 passed out of 8 reported results.</i>
Disulfoton EPA Code: N/A	ug/L	6512	USGS O-1126-95	Not Reported				Unsatisfactory <== No data was reported for this Sample/Analyte by this Lab.
Malathion EPA Code: N/A	ug/L	6512	USGS O-1126-95 (USGS Only)	15.0	13.4		2.65 - 24.1	Satisfactory <i>9 passed out of 10 reported results.</i>
Malathion EPA Code: N/A	ug/L	6512	USGS O-1126-95	Not Reported				Unsatisfactory <== No data was reported for this Sample/Analyte by this Lab.
Parathion ethyl EPA Code: N/A	ug/L	6512	USGS O-1126-95 (USGS Only)	6.82	8.32		3.52 - 13.1	Satisfactory <i>9 passed out of 10 reported results.</i>
Parathion ethyl EPA Code: N/A	ug/L	6512	USGS O-1126-95	Not Reported				Unsatisfactory <== No data was reported for this Sample/Analyte by this Lab.
Parathion methyl EPA Code: N/A	ug/L	6512	USGS O-1126-95 (USGS Only)	1.08	1.48		0.232 - 2.73	Satisfactory <i>10 passed out of 10 reported results.</i>
Parathion methyl EPA Code: N/A	ug/L	6512	USGS O-1126-95	Not Reported				Unsatisfactory <== No data was reported for this Sample/Analyte by this Lab.
<b>Sample: Non Potable Water      Chlorinated Hydrocarbon Pesticides</b>								
4,4-DDE ** EPA Code: N/A	ug/L	6517	USGS O-1126-95 (USGS Only)	0.307		0.239 - 0.481	0.179 - 0.541	Unsatisfactory <== <i>68 passed out of 85 reported results.</i>

Invalid because Lab not accredited for Category/Analyte by this Method

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Shipment: 265      Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Method	Result	Mean/Target	Warning Limits	Acceptance Limits	Score
<b>Sample: Non Potable Water</b>		<b>Chlorinated Hydrocarbon Pesticides</b>						
alpha-BHC EPA Code: N/A	ug/L	6517	USGS O-1126-95 (USGS Only)	1.97	1.87		0.971 - 2.76	Satisfactory <i>82 passed out of 84 reported results.</i>
<b>Sample: Non Potable Water</b>		<b>Phenols</b>						
Phenols ** EPA Code: N/A	mg/L	6509	SM 18 5530 (USGS Only)	1.61	1.48	1.04 - 1.93	0.818 - 2.15	Satisfactory <i>77 passed out of 82 reported results.</i>
<b>Sample: Non Potable Water</b>		<b>Residue</b>						
Solids, Total Dissolved ** EPA Code: 0021	mg/L	6502	USGS I-1750-85	466.25	420	354 - 486	320 - 520	Satisfactory <i>117 passed out of 120 reported results.</i>
Solids, Total Suspended ** EPA Code: 0072	mg/L	6502	USGS I-3765-85	33.00	44.5	39.3 - 49.7	36.7 - 52.3	Unsatisfactory <== <i>269 passed out of 284 reported results.</i>
Solids, Total EPA Code: N/A	mg/L	6502	USGS I-3750-85	468.34	466		422 - 510	Satisfactory <i>120 passed out of 127 reported results.</i>
<b>Sample: Non Potable Water</b>		<b>Specific Conductance</b>						
Specific Conductance ** EPA Code: 0020	umhos/l	6530	USGS I-2781-85	170.1	169	162 - 176	158 - 180	Satisfactory <i>100 passed out of 114 reported results.</i>