



**STATE OF NEW YORK
DEPARTMENT OF HEALTH**

Wadsworth Center The Governor Nelson A. Rockefeller Empire State Plaza P.O. BOX 509 Albany, New York 12201-0509

RICHARD F. DAINES, M.D.
Commissioner

JAMES W. CLYNE
Executive Deputy Commissioner

September 16, 2009

LAB ID: 11642
MR. MERLE SHOCKEY
USGS NATIONAL WATER QUALITY LABORATORY
POB 25046-MS 407-BLDG 95
DENVER, CO 80225-0046

Dear Mr. Shockey:

Your laboratory's scores for the Environmental Laboratory Approval Program (ELAP) July 2009 Non- potable Water/Solid & Chemical Materials/Air & Emissions Chemistry Proficiency Test #325 are enclosed.

ELAP validates the fitness for use of each sample/analyte used in it's PT studies. Homogeneity and prepared value evaluations were completed prior to shipment for this study. After the study close date all samples/analytes are evaluated again for stability.

The score "Check for Error" is a passing score. It indicates a result that fell outside of the range of the mean plus/minus two standard deviations but is within the range of the mean plus/minus three standard deviations.

Each unsatisfactory analytical result requires that the laboratory director investigate the cause of the laboratory's performance and establish a remedial plan. The investigation report and remedial plan must be on file in your laboratory and available for review during your on-site assessment.

A statistical summary for this proficiency test round may be requested by contacting the Program at ELAP@health.state.ny.us. This summary provides technology based scoring and statistical information.

Sincerely,

DANIEL DICKINSON
Technical Director
Environmental Laboratory
Approval Program

NYS DOH - Wadsworth Center - ELAP - PO BOX 509 - Albany NY 12201-0509
Phone: (518) 485-5570 www.wadsworth.org/labcert Fax: (518) 485-5568

**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 : 14-Jul-2009
 Closing Date : 27-Aug-2009
 Score Date : 16-Sep-2009

ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 325 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Color									
Color EPA Code: N/A	Color	2556	USGS I-1250-85		20	24.1		10.57 - 37.63	Satisfactory <i>52 passed out of 52 reported results.</i>
Sample: Non Potable Water Demand									
Chemical Oxygen Demand ** EPA Code: 0036	mg/L	2501	USGS I-3561-85		164	163 *	135 - 176	125 - 186	Satisfactory <i>72 passed out of 77 reported results.</i>
Organic Carbon, Total ** EPA Code: N/A	mg/L	2501	USGS O-3100-83		61.2	64.0 *	56.8 - 70.3	53.5 - 73.6	Satisfactory <i>44 passed out of 48 reported results.</i>
Sample: Non Potable Water Chlorophenoxy Acid Pesticides (Herbicides)									
2,4-D EPA Code: N/A	ug/L	2518	USGS O-2060-01		2.46	2.93		.40 - 6.17	Satisfactory <i>37 passed out of 39 reported results.</i>
Dicamba EPA Code: N/A	ug/L	2518	USGS O-2060-01		3.58	4.29		0.568 - 8.30	Satisfactory <i>24 passed out of 26 reported results.</i>
Sample: Non Potable Water Inorganic Nutrients									
Ammonia (as N) ** EPA Code: N/A	mg/L	2507	USGS I-2522-90		6.22	6.60 *	5.42 - 7.76	4.84 - 8.35	Satisfactory <i>111 passed out of 119 reported results.</i>
Nitrate (as N) ** EPA Code: N/A	mg/L	2507	USGS I-2545-90		13.1	12.9 *	11.0 - 14.6	10.1 - 15.6	Satisfactory <i>116 passed out of 119 reported results.</i>
Orthophosphate (as P) ** EPA Code: N/A	mg/L	2507	USGS I-2601-90		4.66	4.60 *	4.07 - 5.17	3.80 - 5.44	Satisfactory <i>92 passed out of 98 reported results.</i>
Sample: Non Potable Water Surfactants									
Surfactants (as MBAS) EPA Code: N/A	mg/L	2543	USGS O-3128-95		0.419	0.459		0.267 - 0.651	Satisfactory <i>33 passed out of 37 reported results.</i>

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Analyte Name	Units	Sample ID	Test Method	Prep 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	2511A	USGS I-4471-97		222	209 *	189 - 229	179 - 240	Satisfactory <i>123 passed out of 130 reported results.</i>
Silver, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		214	209 *	189 - 229	179 - 240	Satisfactory <i>123 passed out of 130 reported results.</i>
Aluminum, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		1270	1270 *	1110 - 1420	1030 - 1500	Satisfactory <i>99 passed out of 100 reported results.</i>
Aluminum, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		1280	1270 *	1110 - 1420	1030 - 1500	Satisfactory <i>99 passed out of 100 reported results.</i>
Arsenic, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		577	568 *	508 - 634	476 - 665	Satisfactory <i>127 passed out of 130 reported results.</i>
Barium, Total EPA Code: 0237	ug/L	2511A	USGS I-4472-97		1500	1480		1280 - 1670	Satisfactory <i>107 passed out of 111 reported results.</i>
Barium, Total EPA Code: 0237	ug/L	2511A	USGS I-4471-97		1500	1480		1280 - 1670	Satisfactory <i>107 passed out of 111 reported results.</i>
Beryllium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		550	558 *	500 - 604	475 - 630	Satisfactory <i>107 passed out of 111 reported results.</i>
Beryllium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		570	558 *	500 - 604	475 - 630	Satisfactory <i>107 passed out of 111 reported results.</i>
Boron, Total EPA Code: N/A	ug/L	2511A	USGS I-4472-97		1020	995		825 - 1170	Satisfactory <i>49 passed out of 51 reported results.</i>
Cadmium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		199	183 *	164 - 200	156 - 209	Satisfactory <i>135 passed out of 139 reported results.</i>
Cadmium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		188	183 *	164 - 200	156 - 209	Satisfactory <i>135 passed out of 139 reported results.</i>

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Analyte Name	Units	Sample ID	Test Method	Prep Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Cobalt, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		446	449 *	412 - 485	394 - 503	Satisfactory <i>84 passed out of 88 reported results.</i>
Cobalt, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		453	449 *	412 - 485	394 - 503	Satisfactory <i>84 passed out of 88 reported results.</i>
Chromium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		83.0	83.2 *	74.5 - 91.7	70.2 - 95.9	Satisfactory <i>126 passed out of 130 reported results.</i>
Copper, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		238	250 *	233 - 268	225 - 277	Satisfactory <i>129 passed out of 137 reported results.</i>
Copper, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		251	250 *	233 - 268	225 - 277	Satisfactory <i>129 passed out of 137 reported results.</i>
Iron, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		2610	2600 *	2410 - 2820	2310 - 2930	Satisfactory <i>86 passed out of 89 reported results.</i>
Manganese, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		1460	1530 *	1430 - 1650	1380 - 1700	Satisfactory <i>109 passed out of 113 reported results.</i>
Manganese, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		1520	1530 *	1430 - 1650	1380 - 1700	Satisfactory <i>109 passed out of 113 reported results.</i>
Nickel, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		125	125 *	112 - 137	106 - 144	Satisfactory <i>126 passed out of 129 reported results.</i>
Nickel, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		128	125 *	112 - 137	106 - 144	Satisfactory <i>126 passed out of 129 reported results.</i>
Lead, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		2230	2290 *	2110 - 2460	2020 - 2550	Satisfactory <i>146 passed out of 155 reported results.</i>
Antimony, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		254	249 *	190 - 280	167 - 303	Satisfactory <i>114 passed out of 116 reported results.</i>

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Sample: Non Potable Water Metals I and II									
Selenium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		501	501 *	427 - 550	396 - 581	Satisfactory <i>126 passed out of 131 reported results.</i>
Strontium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		97.1	100 *	89.9 - 110	84.8 - 115	Satisfactory <i>39 passed out of 43 reported results.</i>
Thallium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4472-97		310	300 *	252 - 346	229 - 370	Satisfactory <i>112 passed out of 115 reported results.</i>
Vanadium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		234	233 *	213 - 252	204 - 261	Satisfactory <i>90 passed out of 95 reported results.</i>
Vanadium, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		242	233 *	213 - 252	204 - 261	Satisfactory <i>90 passed out of 95 reported results.</i>
Zinc, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4471-97		1170	1180 *	1070 - 1300	1010 - 1350	Satisfactory <i>121 passed out of 126 reported results.</i>
Zinc, Total ** EPA Code: N/A	ug/L	2511A	USGS I-4020-05		1190	1180 *	1070 - 1300	1010 - 1350	Satisfactory <i>121 passed out of 126 reported results.</i>
Sample: Non Potable Water Metals III									
Mercury, Total ** EPA Code: N/A	ug/L	2511B	USGS I-4464-01		9.77	10.0 *	7.40 - 12.3	6.16 - 13.6	Satisfactory <i>104 passed out of 106 reported results.</i>
Molybdenum, Total ** EPA Code: N/A	ug/L	2511B	USGS I-4471-97		144	143 *	125 - 159	117 - 168	Satisfactory <i>86 passed out of 96 reported results.</i>
Molybdenum, Total ** EPA Code: N/A	ug/L	2511B	USGS I-4472-97		143	143 *	125 - 159	117 - 168	Satisfactory <i>86 passed out of 96 reported results.</i>
Sample: Non Potable Water Minerals									
Chloride ** EPA Code: N/A	mg/L	2508	USGS I-2057-85		225	231 *	210 - 250	200 - 261	Satisfactory <i>113 passed out of 113 reported results.</i>

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Sample: Non Potable Water Minerals									
Sulfate (as SO4) ** EPA Code: N/A	mg/L	2508	USGS I-2057-85		14.0	13.8 *	11.4 - 15.9	10.3 - 17.0	Satisfactory <i>81 passed out of 83 reported results.</i>
Sample: Non Potable Water Minerals II									
Calcium, Total ** EPA Code: N/A	mg/L	2537	USGS I-4471-97		18.0	18.6 *	17.2 - 20.5	16.4 - 21.4	Satisfactory <i>72 passed out of 73 reported results.</i>
Potassium, Total ** EPA Code: N/A	mg/L	2537	SM 18-21 3120B (99)		31.8	34.7 *	30.8 - 39.2	28.7 - 41.3	Satisfactory <i>67 passed out of 71 reported results.</i>
Magnesium, Total ** EPA Code: N/A	mg/L	2537	USGS I-4471-97		8.65	9.73 *	8.75 - 10.7	8.27 - 11.1	Check For Error <i>75 passed out of 76 reported results.</i>
Sodium, Total ** EPA Code: N/A	mg/L	2537	USGS I-4471-97		49.2	53.2 *	47.8 - 58.5	45.2 - 61.1	Satisfactory <i>70 passed out of 75 reported results.</i>
Sample: Non Potable Water Nitrite									
Nitrite as N EPA Code: 1840	mg/L	2541	USGS I-2540-90		1.54	1.55		1.28 - 1.81	Satisfactory <i>108 passed out of 112 reported results.</i>
Sample: Non Potable Water Nitrosamines									
N-Nitrosodimethylamine EPA Code: N/A	ug/L	2514	USGS O-3116-87		77.0	40.9		9.00 - 106	Satisfactory <i>59 passed out of 59 reported results.</i>
N-Nitrosodi-n-propylamine EPA Code: N/A	ug/L	2514	USGS O-3116-87		72.7	64.4		23.0 - 106	Satisfactory <i>64 passed out of 64 reported results.</i>
Sample: Non Potable Water Acid extractables									
2,4,6-Trichlorophenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		57.2	58.0		23.1 - 92.9	Satisfactory <i>65 passed out of 65 reported results.</i>
2,4-Dichlorophenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		101	97.9		40.9 - 155	Satisfactory <i>65 passed out of 65 reported results.</i>

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Sample: Non Potable Water Acid extractables									
2,4-Dimethylphenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		101	93.9		26.6 - 161	Satisfactory <i>65 passed out of 65 reported results.</i>
2,4-Dinitrophenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		68.0	69.8		10.0 - 147	Satisfactory <i>62 passed out of 64 reported results.</i>
2-Chlorophenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		138	134		49.1 - 219	Satisfactory <i>65 passed out of 65 reported results.</i>
2-Nitrophenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		47.9	47.7		18.3 - 77.2	Satisfactory <i>65 passed out of 65 reported results.</i>
4-Chloro-3-methylphenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		108	105		48.8 - 161	Satisfactory <i>64 passed out of 65 reported results.</i>
Phenol EPA Code: N/A	ug/L	2535	USGS O-3116-87		114	45.1		16.0 - 213	Satisfactory <i>65 passed out of 65 reported results.</i>
Sample: Non Potable Water Base/Neutrals									
1,2,4-Trichlorobenzene EPA Code: N/A	ug/L	2536	USGS O-3116-87		108	102		32.9 - 171	Satisfactory <i>69 passed out of 69 reported results.</i>
2,4-Dinitrotoluene EPA Code: N/A	ug/L	2536	USGS O-3116-87		< 0.600	< 20.0 *			Satisfactory <i>64 passed out of 64 reported results.</i>
2,6-Dinitrotoluene EPA Code: N/A	ug/L	2536	USGS O-3116-87		122	114		57.3 - 171	Satisfactory <i>63 passed out of 64 reported results.</i>
2-Chloronaphthalene EPA Code: N/A	ug/L	2536	USGS O-3116-87		71.2	65.6		26.3 - 105	Satisfactory <i>65 passed out of 65 reported results.</i>
4-Chlorophenylphenyl ether EPA Code: N/A	ug/L	2536	USGS O-3116-87		< 0.340	< 25.0 *			Satisfactory <i>63 passed out of 63 reported results.</i>

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Sample: Non Potable Water Base/Neutrals									
4-Bromophenylphenyl ether EPA Code: N/A	ug/L	2536	USGS O-3116-87		< 0.360	< 20.0 *			Satisfactory <i>63 passed out of 63 reported results.</i>
Acenaphthene EPA Code: N/A	ug/L	2536	USGS O-3116-87		114	109		54.3 - 164	Satisfactory <i>68 passed out of 68 reported results.</i>
Anthracene EPA Code: N/A	ug/L	2536	USGS O-3116-87		76.3	73.3		37.0 - 110	Satisfactory <i>67 passed out of 68 reported results.</i>
Acenaphthylene EPA Code: N/A	ug/L	2536	USGS O-3116-87		129	119		59.4 - 178	Satisfactory <i>67 passed out of 67 reported results.</i>
Bis(2-chloroethyl)ether EPA Code: N/A	ug/L	2536	USGS O-3116-87		52.0	46.1		17.2 - 75.0	Satisfactory <i>63 passed out of 64 reported results.</i>
Bis(2-chloroethoxy)methane EPA Code: N/A	ug/L	2536	USGS O-3116-87		22.9	21.4		10.0 - 32.8	Satisfactory <i>62 passed out of 64 reported results.</i>
Bis(2-chloroisopropyl)ether EPA Code: N/A	ug/L	2536	USGS O-3116-87		47.7	41.4		14.8 - 68.0	Satisfactory <i>64 passed out of 64 reported results.</i>
Bis(2-ethylhexyl)phthalate EPA Code: N/A	ug/L	2536	USGS O-3116-87		76.4	72.2		25.5 - 119	Satisfactory <i>66 passed out of 67 reported results.</i>
Benzo(a)anthracene EPA Code: N/A	ug/L	2536	USGS O-3116-87		140	141		75.1 - 207	Satisfactory <i>66 passed out of 67 reported results.</i>
Benzo(a)pyrene EPA Code: N/A	ug/L	2536	USGS O-3116-87		83.8	68.4		26.0 - 111	Satisfactory <i>67 passed out of 68 reported results.</i>
Benzo(b)fluoranthene EPA Code: N/A	ug/L	2536	USGS O-3116-87		85.8	82.1		36.5 - 128	Satisfactory <i>66 passed out of 68 reported results.</i>
Benzo(g,h,i)perylene EPA Code: N/A	ug/L	2536	USGS O-3116-87		144	132		62.3 - 202	Satisfactory <i>65 passed out of 67 reported results.</i>

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Benzo(k)fluoranthene EPA Code: N/A	ug/L	2536	USGS O-3116-87		84.7	78.2		23.1 - 133	Satisfactory <i>67 passed out of 68 reported results.</i>
Benzyl butyl phthalate EPA Code: N/A	ug/L	2536	USGS O-3116-87		58.5	51.7		8.17 - 95.3	Satisfactory <i>67 passed out of 67 reported results.</i>
Chrysene EPA Code: N/A	ug/L	2536	USGS O-3116-87		35.6	35.9		16.8 - 55.0	Satisfactory <i>65 passed out of 68 reported results.</i>
Dibenzo(a,h)anthracene EPA Code: N/A	ug/L	2536	USGS O-3116-87		26.7	26.3		7.94 - 44.7	Satisfactory <i>64 passed out of 67 reported results.</i>
Di-n-butyl phthalate EPA Code: N/A	ug/L	2536	USGS O-3116-87		96.5	84.1		33.7 - 135	Satisfactory <i>67 passed out of 67 reported results.</i>
Diethyl phthalate EPA Code: N/A	ug/L	2536	USGS O-3116-87		122	101		24.3 - 177	Satisfactory <i>64 passed out of 67 reported results.</i>
Dimethyl phthalate EPA Code: N/A	ug/L	2536	USGS O-3116-87		127	88.3		14.0 - 196	Satisfactory <i>63 passed out of 67 reported results.</i>
Di-n-octyl phthalate EPA Code: N/A	ug/L	2536	USGS O-3116-87		80.7	74.8		20.3 - 129	Satisfactory <i>66 passed out of 67 reported results.</i>
Fluoranthene EPA Code: N/A	ug/L	2536	USGS O-3116-87		38.9	39.4		21.0 - 57.8	Satisfactory <i>66 passed out of 68 reported results.</i>
Hexachlorobenzene EPA Code: N/A	ug/L	2536	USGS O-3116-87		< 0.300	< 20.0 *			Satisfactory <i>69 passed out of 70 reported results.</i>
Indeno(1,2,3-c,d)pyrene EPA Code: N/A	ug/L	2536	USGS O-3116-87		83.8	82.2		31.0 - 133	Satisfactory <i>67 passed out of 68 reported results.</i>
Isophorone EPA Code: N/A	ug/L	2536	USGS O-3116-87		89.2	88.3		41.1 - 135	Satisfactory <i>62 passed out of 62 reported results.</i>

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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 : 14-Jul-2009
 Closing Date : 27-Aug-2009
 Score Date : 16-Sep-2009

ELAP is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 325 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals									
Naphthalene EPA Code: N/A	ug/L	2536	USGS O-3116-87		127	107		38.3 - 175	Satisfactory <i>68 passed out of 68 reported results.</i>
Nitrobenzene EPA Code: N/A	ug/L	2536	USGS O-3116-87		76.2	67.0		27.4 - 107	Satisfactory <i>64 passed out of 64 reported results.</i>
Phenanthrene EPA Code: N/A	ug/L	2536	USGS O-3116-87		94.1	88.9		49.3 - 129	Satisfactory <i>66 passed out of 68 reported results.</i>
Pyrene EPA Code: N/A	ug/L	2536	USGS O-3116-87		82.5	78.4		30.6 - 126	Satisfactory <i>68 passed out of 68 reported results.</i>
Sample: Non Potable Water Organic Nutrients									
Kjeldahl Nitrogen, Total ** EPA Code: 0034	mg/L	2504	USGS I-4515-91		4.56	4.40 *	3.48 - 5.39	3.00 - 5.87	Satisfactory <i>81 passed out of 89 reported results.</i>
Phosphorus, Total ** EPA Code: 0035	mg/L	2504	EPA 365.1 Rev. 2.0		8.63	8.30 *	7.35 - 9.32	6.86 - 9.81	Satisfactory <i>98 passed out of 103 reported results.</i>
Phosphorus, Total ** EPA Code: 0035	mg/L	2504	USGS I-4610-91		8.77	8.30 *	7.35 - 9.32	6.86 - 9.81	Satisfactory <i>98 passed out of 103 reported results.</i>
Sample: Non Potable Water Chlorinated Hydrocarbon Pesticides									
4,4-DDE ** EPA Code: N/A	ug/L	2517	USGS O-1126-95		3.82	3.79 *	2.21 - 4.44	1.65 - 5.00	Satisfactory <i>59 passed out of 63 reported results.</i>
alpha-BHC EPA Code: N/A	ug/L	2517	USGS O-1126-95		11.3	8.82		4.38 - 13.3	Satisfactory <i>61 passed out of 63 reported results.</i>
Sample: Non Potable Water Phenols									
Phenols ** EPA Code: N/A	mg/L	2509	SM 18 5530 (USGS Only)		1.57	1.52	1.06 - 1.97	0.837 - 2.19	Satisfactory <i>63 passed out of 65 reported results.</i>

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Shipment: 325 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables									
1,1,1-Trichloroethane ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		36.8	36.6 *	27.2 - 44.3	22.9 - 48.6	Satisfactory <i>81 passed out of 83 reported results.</i>
1,1,2,2-Tetrachloroethane EPA Code: N/A	ug/L	2513	USGS O-4127-96		104	111		64.4 - 158	Satisfactory <i>76 passed out of 79 reported results.</i>
1,1,2-Trichloroethane EPA Code: N/A	ug/L	2513	USGS O-4127-96		37.1	33.2		22.9 - 43.5	Satisfactory <i>79 passed out of 80 reported results.</i>
1,1-Dichloroethane EPA Code: N/A	ug/L	2513	USGS O-4127-96		128	142		95.0 - 188	Satisfactory <i>77 passed out of 82 reported results.</i>
1,1-Dichloroethene EPA Code: N/A	ug/L	2513	USGS O-4127-96		10.9	11.1		6.04 - 16.2	Satisfactory <i>79 passed out of 83 reported results.</i>
1,2-Dichloroethane ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		79.5	84.3 *	67.2 - 102	58.6 - 110	Satisfactory <i>77 passed out of 81 reported results.</i>
1,2-Dichlorobenzene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		30.4	30.7 *	24.1 - 37.0	20.9 - 40.2	Satisfactory <i>88 passed out of 90 reported results.</i>
1,2-Dichloropropane EPA Code: N/A	ug/L	2513	USGS O-4127-96		15.8	16.1		10.1 - 22.2	Satisfactory <i>77 passed out of 79 reported results.</i>
1,3-Dichlorobenzene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		30.9	32.8 *	25.1 - 38.8	21.7 - 42.2	Satisfactory <i>86 passed out of 90 reported results.</i>
1,4-Dichlorobenzene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		89.4	86.8 *	67.2 - 100	59.0 - 108	Satisfactory <i>90 passed out of 92 reported results.</i>
Benzene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		93.9	102 *	83.6 - 119	74.7 - 128	Satisfactory <i>94 passed out of 97 reported results.</i>
Bromodichloromethane ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		93.3	102 *	83.5 - 127	72.6 - 138	Satisfactory <i>74 passed out of 79 reported results.</i>

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Shipment: 325 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables									
Bromoform ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		41.4	39.5 *	29.7 - 49.2	24.8 - 54.1	Satisfactory <i>71 passed out of 76 reported results.</i>
cis-1,3-Dichloropropene EPA Code: N/A	ug/L	2513	USGS O-4127-96		33.7	34.0		24.0 - 44.6	Satisfactory <i>78 passed out of 81 reported results.</i>
Carbon tetrachloride ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		84.1	93.1 *	63.3 - 114	50.6 - 127	Satisfactory <i>75 passed out of 78 reported results.</i>
Trichlorofluoromethane EPA Code: N/A	ug/L	2513	USGS O-4127-96		< 8.0	< 20.0 *			Satisfactory <i>77 passed out of 78 reported results.</i>
Chlorobenzene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		109	109 *	88.2 - 127	78.7 - 136	Satisfactory <i>88 passed out of 92 reported results.</i>
Dibromochloromethane ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		30.2	28.6 *	22.4 - 34.8	19.3 - 37.9	Satisfactory <i>72 passed out of 77 reported results.</i>
Chloroethane EPA Code: N/A	ug/L	2513	USGS O-4127-96		78.9	78.1		30.2 - 121	Satisfactory <i>76 passed out of 80 reported results.</i>
Chloroform ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		< 8.1	< 12.0 *			Satisfactory <i>79 passed out of 80 reported results.</i>
Ethyl benzene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		82.7	82.8 *	65.1 - 96.9	57.2 - 105	Satisfactory <i>95 passed out of 97 reported results.</i>
Methylene chloride ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		87.3	88.6 *	65.7 - 111	54.4 - 123	Satisfactory <i>77 passed out of 82 reported results.</i>
trans-1,3-Dichloropropene EPA Code: N/A	ug/L	2513	USGS O-4127-96		42.5	47.9		30.8 - 65.1	Satisfactory <i>79 passed out of 80 reported results.</i>
Tetrachloroethene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		37.7	36.1 *	24.2 - 42.8	19.6 - 47.4	Satisfactory <i>82 passed out of 85 reported results.</i>

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Shipment: 325 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result	Mean/Target *	Warning Limits	Acceptance Limits	Score
Sample: Non Potable Water Purgeables									
Toluene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		45.1	50.7 *	39.9 - 58.9	35.2 - 63.7	Satisfactory <i>95 passed out of 98 reported results.</i>
Trichloroethene ** EPA Code: N/A	ug/L	2513	USGS O-4127-96		30.2	29.4 *	22.0 - 35.7	18.6 - 39.1	Satisfactory <i>77 passed out of 86 reported results.</i>
Total Xylenes EPA Code: N/A	ug/L	2513	USGS O-4127-96		225	208		125 - 291	Satisfactory <i>90 passed out of 95 reported results.</i>
Vinyl chloride EPA Code: N/A	ug/L	2513	USGS O-4127-96		< 8.0	< 20.0 *			Satisfactory <i>80 passed out of 82 reported results.</i>
Sample: Non Potable Water Residue									
Solids, Total EPA Code: N/A	mg/L	2502	USGS I-3750-85		419	417		374 - 459	Satisfactory <i>78 passed out of 85 reported results.</i>
Sample: Non Potable Water Total Dissolved Solids									
Solids, Total Dissolved ** EPA Code: N/A	mg/L	2540	USGS I-1750-85		284	287	239 - 335	215 - 359	Satisfactory <i>80 passed out of 83 reported results.</i>