NEW YORK
state department of
HEALTH

Nirav R. Shah, M.D., M.P.H.
Commissioner

Sue Kelly
Executive Deputy Commissioner

March 19, 2014

LAB ID: 11642
MR. DAVID REPPERT
USGS NATIONAL WATER QUALITY LABORATORY
PO BOX 25585
DENVER, CO 80225-0585

Dear Mr. Reppert:

Your laboratory's scores for the NYSDOH Non-Potable Water/Solid &Chemical Materials/Air & Emissions Chemistry Proficiency Test are enclosed.

The NYSDOH Environmental PT Program validates the fitness for use of each sample/analyte used in it's PT studies. After the study close date samples/analytes are evaluated again for stability in conjunction with historic pass/fail rates. The evaluation procedures used to establish the assigned value are discussed in the ELAP Certification Manual Item 300. Metrological traceability and measurement uncertainty for value assignment is established using a Type B approach as described in the U.S. Guide to the Expression of Uncertainty in Measurement (ANSI/NCSL Z540-2-1997).

The assigned value is the 'made to' value for the analyte. The mean for scoring is either the predicted mean from the FoPT Tables or the participant consensus mean. The acceptance limits are centered on the mean for scoring and calculated as plus/minus three times the standard deviation or the fixed percentage, as denoted using the % symbol, stated in the report. In some cases, the acceptance limits are manually adjusted to conform with the FoPT table footnotes 4 through 6. In these cases, the standard deviation cannot be used to set the acceptance limits.

From the sample reporting instructions, step 3, provided in the sample shipment package(s); participants are reminded to use the appropriate FoPT PTRLs for "Less Than" reporting of non detects and detections below the PTRL.

The NYSDOH Environmental PT Program does not limit the usage of proficiency test reports by individuals or organizations. The NYSDOH Environmental PT Program only distributes PT reports to the participant and any organization selected by the participant for distribution.

The statistical procedures used to establish study means, standard deviations and acceptance limits are described in the ELAP Certification Manual Item 330. Summary statistics by method, as well as, assigned value uncertainties may be requested by contacting the NYSDOH Environmental PT Program. Also, please provide us with your feedback on any issues related to the PT Program, including the current study. Direct any comments, requests, feedback, or questions to us at dehspt@health.state.ny.us.

Sincerely,

Dan Dickinson

Daniel Dickinson, PT Program Coordinator
NYS DOH - Wadsworth Center
PO BOX 509, Albany NY 12201-0509
Phone: (518) 473-3383, Fax: (518) 473-8117

WADSWORTH CENTER
NEW YORK STATE DEPARTMENT OF HEALTH

New York ELAP Proficiency Test Report

Lab Id: 11642
EPA Lab Code: CO00009

USGS NATIONAL WATER QUALITY LABORATORY
PO BOX 25585
DENVER, CO 80225-0585
(303) 236-2000
Director: MR. DAVID REPPERT

Shipment Date : 14-Jan-2014
Closing Date : 27-Feb-2014
Score Date : 18-Mar-2014

NYSDOH Wadsworth Center is an A2LA accredited Proficiency Testing Provider. Certificate Number 1785.01

Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Color									
Color	Color	7056	USGS		18.0	18.9	3.15	9.45 - 28.3	Satisfactory
Analyte Code: 1605			I-1250-85		1/22/14	19.3		*37 passed out of 39 reported results.*	
Sample: Non Potable Water Demand									
Chemical Oxygen Demand	mg/L	7001	USGS		70.0	75.2	6.33	56.2 - 94.2	Satisfactory
Analyte Code: 1565			I-3561-85		1/28/14	76.7		*54 passed out of 55 reported results.*	
Organic Carbon, Total	mg/L	7001	SM 18-21		31.9	30.2	1.79	24.9 - 35.6	Satisfactory
Analyte Code: 2040			5310B (00)		2/24/14	30.3		*35 passed out of 36 reported results.*	
Sample: Non Potable Water Chlorophenoxy Acid Pesticides (Herbicides)									
2,4-D	ug/L	7018	USGS		3.34	4.71	1.59	0.612 - 9.47	Satisfactory
Analyte Code: 8545			O-2060-01		2/12/14	6.12		*24 passed out of 24 reported results.*	
Dicamba	ug/L	7018	USGS		3.81	6.1	1.45	1.76 - 10.4	Satisfactory
Analyte Code: 8595			O-2060-01		2/12/14	7.42		*16 passed out of 16 reported results.*	
Sample: Non Potable Water Mercury, Low Level									
Low Level Mercury	ng/L	7058	USGS		70.1	65.9	5.44	49.6 - 82.2	Satisfactory
Analyte Code: 1095			I-4464-01		2/5/14	66.3		*5 passed out of 6 reported results.*	
Sample: Non Potable Water Inorganic Nutrients									
Ammonia (as N)	mg/L	7007	USGS		10.4	10.2	0.686	8.12 - 12.2	Satisfactory
Analyte Code: 1515			I-2522-90		1/22/14	10.2		*82 passed out of 83 reported results.*	

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Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Inorganic Nutrients									
Orthophosphate (as P)	mg/L	7007	USGS		0.856	0.854	0.0329	0.72 - 0.974	Satisfactory
Analyte Code: 1870			I-2601-90		1/22/14	0.847	15%	*53 passed out of 64 reported results.*	
Sample: Non Potable Water Surfactants									
Surfactants (as MBAS)	mg/L	7043	USGS		0.31	0.362	0.0515	0.207 - 0.517	Satisfactory
Analyte Code: 2025			O-3128-95		1/23/14	0.354		*21 passed out of 27 reported results.*	
Sample: Non Potable Water Metals I and II									
Silver, Total	ug/L	7011A	USGS		406	448	25.6	383 - 518	Satisfactory
Analyte Code: 1150			I-4472-97		2/10/14	450	15%	*78 passed out of 85 reported results.*	
Silver, Total	ug/L	7011A	USGS		428	448	25.6	383 - 518	Satisfactory
Analyte Code: 1150			I-4471-97		2/7/14	450	15%	*78 passed out of 85 reported results.*	
Aluminum, Total	ug/L	7011A	USGS		411	428	31.3	334 - 522	Satisfactory
Analyte Code: 1000			I-4472-97		2/10/14	426		*58 passed out of 58 reported results.*	
Aluminum, Total	ug/L	7011A	USGS		405	428	31.3	334 - 522	Satisfactory
Analyte Code: 1000			I-4471-97		2/5/14	426		*58 passed out of 58 reported results.*	
Arsenic, Total	ug/L	7011A	USGS		728	746	36.9	635 - 857	Satisfactory
Analyte Code: 1010			I-4020-05		2/10/14	751		*76 passed out of 78 reported results.*	
Barium, Total	ug/L	7011A	USGS		1810	1850	67.5	1560 - 2100	Satisfactory
Analyte Code: 1015			I-4472-97		2/10/14	1830	15%	*64 passed out of 66 reported results.*	
Barium, Total	ug/L	7011A	USGS		1690	1850	67.5	1560 - 2100	Satisfactory
Analyte Code: 1015			I-4471-97		2/5/14	1830	15%	*64 passed out of 66 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Beryllium, Total	ug/L	7011A	USGS		492	492	22	424 - 574	Satisfactory
Analyte Code: 1020			I-4472-97		2/10/14	499	15%	*65 passed out of 68 reported results.*	
Beryllium, Total	ug/L	7011A	USGS		482	492	22	424 - 574	Satisfactory
Analyte Code: 1020			I-4471-97		2/5/14	499	15%	*65 passed out of 68 reported results.*	
Cadmium, Total	ug/L	7011A	USGS		584	626	25.1	532 - 720	Satisfactory
Analyte Code: 1030			I-4471-97		2/5/14	626	15%	*84 passed out of 86 reported results.*	
Cadmium, Total	ug/L	7011A	USGS		619	626	25.1	532 - 720	Satisfactory
Analyte Code: 1030			I-4472-97		2/10/14	626	15%	*84 passed out of 86 reported results.*	
Cobalt, Total	ug/L	7011A	USGS		518	526	16.6	446 - 604	Satisfactory
Analyte Code: 1050			I-4020-05		2/10/14	525	15%	*56 passed out of 59 reported results.*	
Cobalt, Total	ug/L	7011A	USGS		490	526	16.6	446 - 604	Satisfactory
Analyte Code: 1050			I-4471-97		2/5/14	525	15%	*56 passed out of 59 reported results.*	
Chromium, Total	ug/L	7011A	USGS		763	772	26	660 - 892	Satisfactory
Analyte Code: 1040			I-4020-05		2/10/14	776	15%	*75 passed out of 79 reported results.*	
Copper, Total	ug/L	7011A	USGS		624	678	24.9	575 - 777	Satisfactory
Analyte Code: 1055			I-4471-97		2/5/14	676	15%	*81 passed out of 83 reported results.*	
Copper, Total	ug/L	7011A	USGS		665	678	24.9	575 - 777	Satisfactory
Analyte Code: 1055			I-4020-05		2/10/14	676	15%	*81 passed out of 83 reported results.*	
Iron, Total	ug/L	7011A	USGS		1500	1580	58.1	1340 - 1820	Satisfactory
Analyte Code: 1070			I-4471-97		2/5/14	1580	15%	*58 passed out of 59 reported results.*	
Manganese, Total	ug/L	7011A	USGS		823	852	33	724 - 980	Satisfactory
Analyte Code: 1090			I-4472-97		2/10/14	852	15%	*65 passed out of 67 reported results.*	
Manganese, Total	ug/L	7011A	USGS		801	852	33	724 - 980	Satisfactory
Analyte Code: 1090			I-4471-97		2/5/14	852	15%	*65 passed out of 67 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals I and II									
Nickel, Total	ug/L	7011A	USGS I-4471-97		511	553	24.1	481 - 626	Satisfactory
Analyte Code: 1105					2/5/14	551		*78 passed out of 82 reported results.*	
Nickel, Total	ug/L	7011A	USGS I-4020-05		541	553	24.1	481 - 626	Satisfactory
Analyte Code: 1105					2/10/14	551		*78 passed out of 82 reported results.*	
Lead, Total	ug/L	7011A	USGS I-4472-97		223	227	11.3	191 - 259	Satisfactory
Analyte Code: 1075					2/10/14	225	15%	*85 passed out of 91 reported results.*	
Antimony, Total	ug/L	7011A	USGS I-4472-97		146	147	13.2	107 - 186	Satisfactory
Analyte Code: 1005					2/10/14	150		*68 passed out of 69 reported results.*	
Selenium, Total	ug/L	7011A	USGS I-4020-05		520	522	32.1	447 - 605	Satisfactory
Analyte Code: 1140					2/10/14	526	15%	*72 passed out of 74 reported results.*	
Strontium, Total	ug/L	7011A	USGS I-4472-97		442	451	16.9	383 - 518	Satisfactory
Analyte Code: 1160					2/10/14	450	15%	*24 passed out of 24 reported results.*	
Thallium, Total	ug/L	7011A	USGS I-4472-97		366	346	21	283 - 409	Satisfactory
Analyte Code: 1165					2/10/14	349		*64 passed out of 66 reported results.*	
Vanadium, Total	ug/L	7011A	USGS I-4020-05		1090	1110	35.4	961 - 1300	Satisfactory
Analyte Code: 1185					2/10/14	1130	15%	*52 passed out of 52 reported results.*	
Vanadium, Total	ug/L	7011A	USGS I-4471-97		1040	1110	35.4	961 - 1300	Satisfactory
Analyte Code: 1185					2/5/14	1130	15%	*52 passed out of 52 reported results.*	
Zinc, Total	ug/L	7011A	USGS I-4471-97		956	1020	42	876 - 1180	Satisfactory
Analyte Code: 1190					2/5/14	1030	15%	*81 passed out of 82 reported results.*	
Zinc, Total	ug/L	7011A	USGS I-4020-05		1010	1020	42	876 - 1180	Satisfactory
Analyte Code: 1190					2/10/14	1030	15%	*81 passed out of 82 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Metals III									
Molybdenum, Total	ug/L	7011B	USGS		120	124	7.21	103 - 146	Satisfactory
Analyte Code: 1100			I-4471-97		2/5/14	125		*58 passed out of 61 reported results.*	
Molybdenum, Total	ug/L	7011B	USGS		126	124	7.21	103 - 146	Satisfactory
Analyte Code: 1100			I-4472-97		2/10/14	125		*58 passed out of 61 reported results.*	
Sample: Non Potable Water Minerals									
Chloride	mg/L	7008	USGS		92.8	93.1	3.87	81.5 - 105	Satisfactory
Analyte Code: 1575			I-2057-85		1/25/14	93.0		*66 passed out of 70 reported results.*	
Sulfate (as SO4)	mg/L	7008	USGS		127	120	6.1	102 - 139	Satisfactory
Analyte Code: 2000			I-2057-85		1/30/14	122		*54 passed out of 56 reported results.*	
Sample: Non Potable Water Minerals II									
Calcium, Total	mg/L	7037	USGS		33.7	35.9	1.02	30.9 - 41.9	Satisfactory
Analyte Code: 1035			I-4471-97		2/5/14	36.4	15%	*47 passed out of 48 reported results.*	
Potassium, Total	mg/L	7037	SM 18-21		8.28	9.17	0.459	7.25 - 10.9	Satisfactory
Analyte Code: 1125			3120B (99)		2/5/14	9.06	20%	*45 passed out of 49 reported results.*	
Magnesium, Total	mg/L	7037	USGS		14.4	15.4	0.564	13.2 - 17.8	Satisfactory
Analyte Code: 1085			I-4471-97		2/5/14	15.5	15%	*48 passed out of 49 reported results.*	
Sodium, Total	mg/L	7037	USGS		60.4	62.8	2.03	51.5 - 77.3	Satisfactory
Analyte Code: 1155			I-4471-97		2/5/14	64.4	20%	*48 passed out of 49 reported results.*	

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Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Nitrite									
Nitrite as N	mg/L	7041	USGS		1.95	1.95	0.0985	1.65 - 2.25	Satisfactory
Analyte Code: 1840			I-2540-90		1/22/14	1.95		*66 passed out of 70 reported results.*	
Sample: Non Potable Water Acid extractables									
2,4,6-Trichlorophenol	ug/L	7035	USGS		115	82.0	14.5	38.4 - 125	Satisfactory
Analyte Code: 6840			O-3116-87		1/30/14	103		*35 passed out of 37 reported results.*	
2,4-Dichlorophenol	ug/L	7035	USGS		138	149	28.6	63.6 - 235	Satisfactory
Analyte Code: 6000			O-3116-87		1/30/14	199		*35 passed out of 37 reported results.*	
2,4-Dimethylphenol	ug/L	7035	USGS		< 11.9	130	27.5	47.2 - 212	**Unsatisfactory <==**
Analyte Code: 6130			O-3116-87		1/30/14	171		*36 passed out of 37 reported results.*	
2,4-Dinitrophenol	ug/L	7035	USGS		66.6	79.4	28.2	11.6 - 164	Satisfactory
Analyte Code: 6175			O-3116-87		1/30/14	116		*34 passed out of 37 reported results.*	
2-Chlorophenol	ug/L	7035	USGS		134	128	26.4	49.1 - 208	Satisfactory
Analyte Code: 5800			O-3116-87		1/30/14	174		*35 passed out of 37 reported results.*	
2-Nitrophenol	ug/L	7035	USGS		89.0	95.0	18.1	40.7 - 149	Satisfactory
Analyte Code: 6490			O-3116-87		1/30/14	123		*35 passed out of 37 reported results.*	
4-Chloro-3-methylphenol	ug/L	7035	USGS		138	157	27.7	73.3 - 240	Satisfactory
Analyte Code: 5700			O-3116-87		1/30/14	195		*37 passed out of 37 reported results.*	
Phenol	ug/L	7035	USGS		66.0	91.4	42.3	16.3 - 218	Satisfactory
Analyte Code: 6625			O-3116-87		1/30/14	163		*35 passed out of 37 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals									
1,2,4-Trichlorobenzene	ug/L	7036	USGS		70.2	102	24.1	29.8 - 174	Satisfactory
Analyte Code: 5155			O-3116-87		1/30/14	149		*38 passed out of 38 reported results.*	
2,4-Dinitrotoluene	ug/L	7036	USGS		< 4.5				Satisfactory
Analyte Code: 6185			O-3116-87		1/30/14	< 4.5		*36 passed out of 37 reported results.*	
2,6-Dinitrotoluene	ug/L	7036	USGS		113	120	19.9	60.8 - 180	Satisfactory
Analyte Code: 6190			O-3116-87		1/30/14	150		*37 passed out of 37 reported results.*	
2-Chloronaphthalene	ug/L	7036	USGS		44.3	52.0	10.8	19.6 - 84.4	Satisfactory
Analyte Code: 5795			O-3116-87		1/30/14	69.7		*38 passed out of 38 reported results.*	
4-Chlorophenylphenyl ether	ug/L	7036	USGS		< 9.9				Satisfactory
Analyte Code: 5825			O-3116-87		1/30/14	< 9.9		*36 passed out of 36 reported results.*	
4-Bromophenylphenyl ether	ug/L	7036	USGS		43.0	47.6	8.2	23.0 - 72.2	Satisfactory
Analyte Code: 5660			O-3116-87		1/30/14	55.1		*36 passed out of 36 reported results.*	
Acenaphthene	ug/L	7036	USGS		125	132	24.2	59.1 - 204	Satisfactory
Analyte Code: 5500			O-3116-87		1/30/14	169		*38 passed out of 38 reported results.*	
Anthracene	ug/L	7036	USGS		91.9	89.6	14.2	46.9 - 132	Satisfactory
Analyte Code: 5555			O-3116-87		1/30/14	110		*38 passed out of 38 reported results.*	
Acenaphthylene	ug/L	7036	USGS		73.1	117	21.8	51.5 - 182	Satisfactory
Analyte Code: 5505			O-3116-87		1/30/14	146		*38 passed out of 38 reported results.*	
Bis(2-chloroethyl)ether	ug/L	7036	USGS		99.6	82.5	17.8	29.2 - 136	Satisfactory
Analyte Code: 5765			O-3116-87		1/30/14	113		*36 passed out of 36 reported results.*	
Bis(2-chloroethoxy)methane	ug/L	7036	USGS		121	121	20.4	59.6 - 182	Satisfactory
Analyte Code: 5760			O-3116-87		1/30/14	158		*35 passed out of 36 reported results.*	
Bis(2-chloroisopropyl)ether	ug/L	7036	USGS		< 3.1				Satisfactory
Analyte Code: 5780			O-3116-87		1/30/14	< 3.1		*36 passed out of 36 reported results.*	

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Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals									
Bis(2-ethylhexyl)phthalate	ug/L	7036	USGS		55.6	61.8	12.4	24.5 - 99.1	Satisfactory
Analyte Code: 6065			O-3116-87		1/30/14	73.4		*38 passed out of 38 reported results.*	
Benzo(a)anthracene	ug/L	7036	USGS		44.3	45.2	6.79	24.8 - 65.5	Satisfactory
Analyte Code: 5575			O-3116-87		1/30/14	53.2		*38 passed out of 38 reported results.*	
Benzo(a)pyrene	ug/L	7036	USGS		60.3	54.8	10.4	23.8 - 85.9	Satisfactory
Analyte Code: 5580			O-3116-87		1/30/14	66.9		*38 passed out of 38 reported results.*	
Benzo(b)fluoranthene	ug/L	7036	USGS		< 7.5				Satisfactory
Analyte Code: 5585			O-3116-87		1/30/14	< 7.5		*38 passed out of 38 reported results.*	
Benzo(g,h,i)perylene	ug/L	7036	USGS		160	161	30	70.9 - 251	Satisfactory
Analyte Code: 5590			O-3116-87		1/30/14	193		*38 passed out of 38 reported results.*	
Benzo(k)fluoranthene	ug/L	7036	USGS		83.8	81.8	19.2	24.2 - 139	Satisfactory
Analyte Code: 5600			O-3116-87		1/30/14	97.0		*38 passed out of 38 reported results.*	
Benzyl butyl phthalate	ug/L	7036	USGS		71.5	75.0	16.2	26.4 - 124	Satisfactory
Analyte Code: 5670			O-3116-87		1/30/14	90.8		*38 passed out of 38 reported results.*	
Chrysene	ug/L	7036	USGS		114	105	17.2	53.7 - 157	Satisfactory
Analyte Code: 5855			O-3116-87		1/30/14	126		*38 passed out of 38 reported results.*	
Dibenzo(a,h)anthracene	ug/L	7036	USGS		104	115	21.8	50.0 - 181	Satisfactory
Analyte Code: 5895			O-3116-87		1/30/14	140		*38 passed out of 38 reported results.*	
Di-n-butyl phthalate	ug/L	7036	USGS		44.3	46.6	8.8	20.2 - 73.0	Satisfactory
Analyte Code: 5925			O-3116-87		1/30/14	53.2		*38 passed out of 38 reported results.*	
Diethyl phthalate	ug/L	7036	USGS		85.2	76.1	19.5	17.5 - 135	Satisfactory
Analyte Code: 6070			O-3116-87		1/30/14	97.1		*38 passed out of 38 reported results.*	
Dimethyl phthalate	ug/L	7036	USGS		75.2	61.1	23.5	8.97 - 132	Satisfactory
Analyte Code: 6135			O-3116-87		1/30/14	89.7		*38 passed out of 38 reported results.*	

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USGS NATIONAL WATER QUALITY LABORATORY
PO BOX 25585
DENVER, CO 80225-0585
(303) 236-2000
Director: MR. DAVID REPPERT

Shipment Date : 14-Jan-2014
Closing Date : 27-Feb-2014
Score Date : 18-Mar-2014

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Base/Neutrals									
Di-n-octyl phthalate	ug/L	7036	USGS		118	154	33.1	54.9 - 254	Satisfactory
Analyte Code: 6200			O-3116-87		1/30/14	185		*37 passed out of 38 reported results.*	
Fluoranthene	ug/L	7036	USGS		< 15.6				Satisfactory
Analyte Code: 6265			O-3116-87		1/30/14	< 15.6		*37 passed out of 38 reported results.*	
Hexachlorobenzene	ug/L	7036	USGS		< 8.8				Satisfactory
Analyte Code: 6275			O-3116-87		1/30/14	< 8.8		*40 passed out of 40 reported results.*	
Indeno(1,2,3-c,d)pyrene	ug/L	7036	USGS		< 9.2				Satisfactory
Analyte Code: 6315			O-3116-87		1/30/14	< 9.2		*29 passed out of 38 reported results.*	
Isophorone	ug/L	7036	USGS		75.0	74.2	13.5	33.6 - 115	Satisfactory
Analyte Code: 6320			O-3116-87		1/30/14	92.1		*36 passed out of 36 reported results.*	
Naphthalene	ug/L	7036	USGS		< 4.5				Satisfactory
Analyte Code: 5005			O-3116-87		1/30/14	< 4.5		*38 passed out of 38 reported results.*	
Nitrobenzene	ug/L	7036	USGS		130	129	24.3	56.4 - 202	Satisfactory
Analyte Code: 5015			O-3116-87		1/30/14	172		*37 passed out of 37 reported results.*	
N-Nitrosodimethylamine	ug/L	7036	USGS		72.2	61.0	23	11.5 - 130	Satisfactory
Analyte Code: 6530			O-3116-87		1/30/14	115		*34 passed out of 34 reported results.*	
N-Nitrosodi-n-propylamine	ug/L	7036	USGS		< 9.4				Satisfactory
Analyte Code: 6545			O-3116-87		1/30/14	< 9.4		*36 passed out of 36 reported results.*	
Phenanthrene	ug/L	7036	USGS		< 4.7				Satisfactory
Analyte Code: 6615			O-3116-87		1/30/14	< 4.7		*38 passed out of 38 reported results.*	
Pyrene	ug/L	7036	USGS		< 4.9				Satisfactory
Analyte Code: 6665			O-3116-87		1/30/14	< 4.9		*38 passed out of 38 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Organic Nutrients									
Kjeldahl Nitrogen, Total	mg/L	7004	USGS		15.3	14.1	1.16	10.6 - 17.6	Satisfactory
Analyte Code: 1795			I-4515-91		1/24/14	14.3		*56 passed out of 58 reported results.*	
Phosphorus, Total	mg/L	7004	USGS		4.81	4.43	0.251	3.68 - 5.18	Satisfactory
Analyte Code: 1910			I-4610-91		1/24/14	4.45		*78 passed out of 79 reported results.*	
Sample: Non Potable Water Chlorinated Hydrocarbon Pesticides									
4,4-DDE	ug/L	7017	USGS		4.85	4.65	0.804	2.24 - 7.07	Satisfactory
Analyte Code: 7360			O-1126-95		1/23/14	5.21		*39 passed out of 40 reported results.*	
alpha-BHC	ug/L	7017	USGS		6.24	5.3	0.918	2.54 - 8.05	Satisfactory
Analyte Code: 7110			O-1126-95		1/23/14	5.87		*39 passed out of 39 reported results.*	
Sample: Non Potable Water Purgeables									
1,1,1-Trichloroethane	ug/L	7013	USGS		< 6.0				Satisfactory
Analyte Code: 5160			O-4127-96		1/23/14	< 6.00		*43 passed out of 43 reported results.*	
1,1,2,2-Tetrachloroethane	ug/L	7013	USGS		52.2	48.3	4.1	30.3 - 62.9	Satisfactory
Analyte Code: 5110			O-4127-96		1/23/14	46.6	35%	*42 passed out of 42 reported results.*	
1,1,2-Trichloroethane	ug/L	7013	USGS		160	131	8.36	89.6 - 166	Satisfactory
Analyte Code: 5165			O-4127-96		1/23/14	128	30%	*42 passed out of 42 reported results.*	
1,1-Dichloroethane	ug/L	7013	USGS		36.5	32.2	3.96	20.4 - 44.1	Satisfactory
Analyte Code: 4630			O-4127-96		1/23/14	32.1		*42 passed out of 42 reported results.*	
1,1-Dichloroethene	ug/L	7013	USGS		20.9	21.4	3.05	12.3 - 30.6	Satisfactory
Analyte Code: 4640			O-4127-96		1/23/14	20.7		*41 passed out of 41 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Purgeables									
1,2-Dichloroethane	ug/L	7013	USGS		96.4	76.4	7.42	54.1 - 98.6	Satisfactory
Analyte Code: 4635			O-4127-96		1/23/14	76.2		*41 passed out of 42 reported results.*	
1,2-Dichlorobenzene	ug/L	7013	USGS		33.2	32.7	2.76	23.2 - 43.0	Satisfactory
Analyte Code: 4610			O-4127-96		1/23/14	33.1	30%	*50 passed out of 50 reported results.*	
cis-1,2-Dichloroethene	ug/L	7013	USGS		128	113	12.4	75.9 - 150	Satisfactory
Analyte Code: 4645			O-4127-96		1/23/14	113		*32 passed out of 32 reported results.*	
1,2-Dichloropropane	ug/L	7013	USGS		122	104	9.18	72.1 - 134	Satisfactory
Analyte Code: 4655			O-4127-96		1/23/14	103	30%	*42 passed out of 42 reported results.*	
1,3-Dichlorobenzene	ug/L	7013	USGS		22.6	21.8	1.84	15.3 - 28.5	Satisfactory
Analyte Code: 4615			O-4127-96		1/23/14	21.9	30%	*49 passed out of 49 reported results.*	
1,4-Dichlorobenzene	ug/L	7013	USGS		54.5	51.5	3.71	36.8 - 68.4	Satisfactory
Analyte Code: 4620			O-4127-96		1/23/14	52.6	30%	*48 passed out of 49 reported results.*	
Benzene	ug/L	7013	USGS		< 7.0				Satisfactory
Analyte Code: 4375			O-4127-96		1/23/14	< 7.00		*48 passed out of 48 reported results.*	
Bromodichloromethane	ug/L	7013	USGS		47.6	42.4	3.3	25.2 - 58.8	Satisfactory
Analyte Code: 4395			O-4127-96		1/23/14	42.0	40%	*42 passed out of 42 reported results.*	
Bromoform	ug/L	7013	USGS		55.5	49.8	5.14	30.6 - 71.4	Satisfactory
Analyte Code: 4400			O-4127-96		1/23/14	51.0	40%	*41 passed out of 42 reported results.*	
cis-1,3-Dichloropropene	ug/L	7013	USGS		< 6.5				Satisfactory
Analyte Code: 4680			O-4127-96		1/23/14	< 6.5		*42 passed out of 42 reported results.*	
Carbon tetrachloride	ug/L	7013	USGS		< 7.7				Satisfactory
Analyte Code: 4455			O-4127-96		1/23/14	< 7.7		*42 passed out of 42 reported results.*	
Chloromethane	ug/L	7013	USGS		113	70.4	11.8	26.8 - 107	**Unsatisfactory <==**
Analyte Code: 4960			O-4127-96		1/23/14	67.0	60%	*40 passed out of 41 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Purgeables									
Trichlorofluoromethane	ug/L	7013	USGS		132	100	15.3	37.5 - 150	Satisfactory
Analyte Code: 5175			O-4127-96		1/23/14	93.8	60%	*41 passed out of 42 reported results.*	
Chlorobenzene	ug/L	7013	USGS		< 7.0				Satisfactory
Analyte Code: 4475			O-4127-96		1/23/14	< 7.00		*49 passed out of 49 reported results.*	
Dibromochloromethane	ug/L	7013	USGS		34.2	31.4	3.18	19.1 - 44.5	Satisfactory
Analyte Code: 4575			O-4127-96		1/23/14	31.8	40%	*41 passed out of 42 reported results.*	
Chloroethane	ug/L	7013	USGS		79.2	65.7	11.4	25.0 - 100	Satisfactory
Analyte Code: 4485			O-4127-96		1/23/14	62.6	60%	*39 passed out of 42 reported results.*	
Chloroform	ug/L	7013	USGS		18.9	17	1.41	11.1 - 20.5	Satisfactory
Analyte Code: 4505			O-4127-96		1/23/14	15.8	30%	*38 passed out of 43 reported results.*	
Ethyl benzene	ug/L	7013	USGS		43.4	42.1	4.19	29.3 - 54.5	Satisfactory
Analyte Code: 4765			O-4127-96		1/23/14	41.9	30%	*48 passed out of 48 reported results.*	
Methylene chloride	ug/L	7013	USGS		< 6.0				Satisfactory
Analyte Code: 4975			O-4127-96		1/23/14	< 6.00		*43 passed out of 43 reported results.*	
Methyl tert-butyl ether (MTBE)	ug/L	7013	USGS		47.9	46.2	5.37	30.1 - 62.3	Satisfactory
Analyte Code: 5000			O-4127-96		1/23/14	45.5		*24 passed out of 25 reported results.*	
Styrene	ug/L	7013	USGS		< 13.0				Satisfactory
Analyte Code: 5100			O-4127-96		1/23/14	< 13.0		*30 passed out of 30 reported results.*	
trans-1,2-Dichloroethene	ug/L	7013	USGS		47.1	43.4	3.09	24.6 - 57.4	Satisfactory
Analyte Code: 4700			O-4127-96		1/23/14	41.0	40%	*42 passed out of 42 reported results.*	
trans-1,3-Dichloropropene	ug/L	7013	USGS		< 6.5				Satisfactory
Analyte Code: 4685			O-4127-96		1/23/14	< 6.5		*42 passed out of 42 reported results.*	
Tetrachloroethene	ug/L	7013	USGS		111	90.5	11.8	55.0 - 126	Satisfactory
Analyte Code: 5115			O-4127-96		1/23/14	96.7		*42 passed out of 43 reported results.*	

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Shipment: 370 Non Potable Water Chemistry

Analyte Name	Units	Sample ID	Test Method	Prep Method	Result/ Analysis Date	Mean/ Assigned Value	Standard Deviation/ Fixed %	Acceptance Limits	Score
Sample: Non Potable Water Purgeables									
Toluene	ug/L	7013	USGS		36.0	32.7	3.07	22.5 - 41.9	Satisfactory
Analyte Code: 5140			O-4127-96		1/23/14	32.2	30%	*47 passed out of 47 reported results.*	
Trichloroethene	ug/L	7013	USGS		65.3	57.6	6.63	37.7 - 77.5	Satisfactory
Analyte Code: 5170			O-4127-96		1/23/14	59.3		*43 passed out of 44 reported results.*	
Total Xylenes	ug/L	7013	USGS		118	100	9.31	59.5 - 139	Satisfactory
Analyte Code: 5260			O-4127-96		1/23/14	99.1	40%	*47 passed out of 47 reported results.*	
Naphthalene, Volatile	ug/L	7013	USGS		< 6.3				Satisfactory
Analyte Code: 5005			O-4127-96		1/23/14	< 6.3		*24 passed out of 24 reported results.*	
Vinyl chloride	ug/L	7013	USGS		111	82.4	13.9	31.8 - 127	Satisfactory
Analyte Code: 5235			O-4127-96		1/23/14	79.5	60%	*42 passed out of 43 reported results.*	
Sample: Non Potable Water Residue									
Solids, Total	mg/L	7002	USGS		350	351	15	306 - 396	Satisfactory
Analyte Code: 1950			I-3750-85		1/21/14	351		*54 passed out of 58 reported results.*	
Sample: Non Potable Water Total Dissolved Solids									
Solids, Total Dissolved	mg/L	7040	USGS		583	595	15	536 - 655	Satisfactory
Analyte Code: 1955			I-1750-85		1/23/14	595		*57 passed out of 60 reported results.*	