

PERFORMANCE EVALUATION



Scheduled Study

WS16-2

06-Apr-2016 Through 20-May-2016

49670108

RTC Labcode

MT00945

EPA Labcode

Participating Laboratory:

Energy Laboratories-Helena
Jon Hager
E 3161 Lyndale Avenue
Helena MT 59601 US

Thank you for participating in study WS16-2. Additional information about this study may be found online at www.sigmaaldrich.com/pt.

Sigma-Aldrich RTC Inc.
2931 Soldier Springs Road
Laramie, WY 82070 USA
1-307-742-5452
www.sigmaaldrich.com

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Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Duhon".

Jennifer Duhon
Proficiency Testing Supervisor

Accreditors

Evaluations of this dataset will be sent to the accreditor(s) listed below using your laboratory's labcode listed above each accrediting agency. If any of the information listed below is incorrect, please contact RTC immediately.

Accredating Labcode

EPA Region 8

Marcie Tidd
Waste Water/Drinking Water Certification
1595 Wynkoop Street
Denver CO 80202-1129 US

Accredating Labcode

Montana Dept. of Public Health & Human Services

Russell Leu
PO Box 4369
Helena MT 59604-4369 US

RTC is accredited to perform PT programs for the scope of accreditation to ISO/IEC 17043 under ANAB certificate AP-1469



Inorganic Disinfection By-Products

Method:EPA 300.0 2.1 (1993) [10053200]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Bromate ^{1,2} 1535 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-22	49 ug/L	41.3	28.9 to 53.7	1.24	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Bromide ^{1,2} 1540 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-21	161 ug/L	187	159 to 215	-1.86	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Chlorate ^{1,2} 1570 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-22	147 ug/L	135	94.5 to 176	0.59	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Chlorite ^{1,2} 1595 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-22	386 ug/L	373	261 to 485	0.23	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>

Method:EPA 300.1 (2000) [10053608]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Bromate ^{1,2} 1535 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-21	47 ug/L	41.3	28.9 to 53.7	0.92	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Chlorate ^{1,2} 1570 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-21	144 ug/L	135	94.5 to 176	0.44	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Chlorite ^{1,2} 1595 / PE3306-500ML - Lot LRAB1217 /Analyst:SW/ Analysis Date: 2016-04-21	385 ug/L	373	261 to 485	0.21	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>

Microbiology

Method: EPA 1603 (2009) [10236154]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
E. Coli - Sample 01 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	130 CFU/100mL <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary	183	121 to 245	-1.72	Acceptable <i>Evaluation Parameter - a:1, b:0, c:0, d:30.92</i>
E. Coli - Sample 02 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary	0	0 to 0	0	Acceptable <i>Evaluation Parameter - span:2</i>
E. Coli - Sample 03 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary	0	0 to 0	0	Acceptable <i>Evaluation Parameter - span:2</i>
E. Coli - Sample 04 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary	0	0 to 0	0	Acceptable <i>Evaluation Parameter - span:2</i>
E. Coli - Sample 05 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	120 CFU/100mL <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary	146	84.6 to 208	-0.84	Acceptable <i>Evaluation Parameter - a:0.8, b:0, c:0, d:30.92</i>
E. Coli - Sample 06 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary	0	0 to 0	0	Acceptable <i>Evaluation Parameter - span:2</i>
E. Coli - Sample 07 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary	0	0 to 0	0	Acceptable <i>Evaluation Parameter - span:2</i>
E. Coli - Sample 08 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary	0	0 to 0	0	Acceptable <i>Evaluation Parameter - span:2</i>

E. Coli - Sample 09^{1,2}

150
CFU/100mL 183

121 to
245 -1.07

Acceptable

2525 / MIC001-MF - Lot LRAB1012
/Analyst:TB/ Analysis Date: 2016-05-16

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0, d:30.92

Method:EPA 1603 (2009) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
E. Coli - Sample 10 ^{1,2} 2525 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
		<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>	

Method:SimPlate® (2000) [60032602]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Heterotrophic Plate Count, MPN ^{1,2} 2555 / MIC002-2EA - Lot LRAA8196 /Analyst:AC/ Analysis Date: 2016-05-16	62.2 MPN	59.6	5.03 to 114	0.1	Acceptable
		<i>Evaluation Criteria - 5</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - deviations:2</i>	

Method:SM 9222 D (m-FC) 22nd ED (2010) [20209818]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Fecal Coliforms - Sample 01 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	85 CFU/100mL	146	84.6 to 208	-1.97	Acceptable
		<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:0.8, b:0, c:0, d:30.92</i>	
Fecal Coliforms - Sample 02 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
		<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>	
Fecal Coliforms - Sample 03 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
		<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>	
Fecal Coliforms - Sample 04 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
		<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>	

Fecal Coliforms - Sample 05 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	93 CFU/100mL	146	84.6 to 208	-1.72	Acceptable
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:0.8, b:0, c:0, d:30.92</i>		
Fecal Coliforms - Sample 06 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>		
Fecal Coliforms - Sample 07 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>		
Fecal Coliforms - Sample 08 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	<10 CFU/100mL	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - span:2</i>		
Fecal Coliforms - Sample 09 ^{1,2} 2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	100 CFU/100mL	146	84.6 to 208	-1.49	Acceptable
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:0.8, b:0, c:0, d:30.92</i>		

Method:SM 9222 D (m-FC) 22nd ED (2010) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Fecal Coliforms - Sample 10 ^{1,2}	<10 CFU/100mL	0	0 to 0	0	Acceptable
2530 / MIC001-MF - Lot LRAB1012 /Analyst:TB/ Analysis Date: 2016-05-16	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary				Evaluation Parameter - span:2

Method:SM 9223 B (Colilert Quanti-Tray)-2004 [20211614]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Coliforms, total - Sample 01 ^{1,2}	114.6 MPN/100mL	183	32.6 to 333	-0.91	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	Evaluation Criteria - 8 <input type="checkbox"/> Voluntary				Evaluation Parameter - a:1, b:0, c:0, d:75.2
Coliforms, total - Sample 02 ^{1,2}	<2 MPN/100mL	81	17.8 to 144	-2.56	Not Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	Evaluation Criteria - 8 <input type="checkbox"/> Voluntary				Evaluation Parameter - a:1, b:0, c:0, d:31.60
Coliforms, total - Sample 04 ^{1,2}	52.4 MPN/100mL	81	17.8 to 144	-0.91	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	Evaluation Criteria - 8 <input type="checkbox"/> Voluntary				Evaluation Parameter - a:1, b:0, c:0, d:31.60
Coliforms, total - Sample 03 ^{1,2}	<2 MPN/100mL	0	0 to 0	0	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary				Evaluation Parameter - span:2
Coliforms, total - Sample 05 ^{1,2}	164 MPN/100mL	183	32.6 to 333	-0.25	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	Evaluation Criteria - 8 <input type="checkbox"/> Voluntary				Evaluation Parameter - a:1, b:0, c:0, d:75.2
Coliforms, total - Sample 06 ^{1,2}	<2 MPN/100mL	0	0 to 0	0	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary				Evaluation Parameter - span:2

Coliforms, total - Sample 07 ^{1,2}	40.2 MPN/100mL	81	17.8 to 144	-1.29	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<i>Evaluation Criteria - 8</i>		<i>Evaluation Parameter - a:1, b:0, c:0, d:31.6</i>		
	<input type="checkbox"/> Voluntary				

Coliforms, total - Sample 08 ^{1,2}	<2 MPN/100mL	0	0 to 0	0	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<i>Evaluation Criteria - 6</i>		<i>Evaluation Parameter - span:2</i>		
	<input type="checkbox"/> Voluntary				

Coliforms, total - Sample 09 ^{1,2}	158.8 MPN/100mL	183	32.6 to 333	-0.32	Acceptable
2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<i>Evaluation Criteria - 8</i>		<i>Evaluation Parameter - a:1, b:0, c:0, d:75.2</i>		
	<input type="checkbox"/> Voluntary				

Method:SM 9223 B (Colilert Quanti-Tray)-2004 (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Coliforms, total - Sample 10 ^{1,2} 2500 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		
E. Coli - Sample 01 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	114.6 MPN/100mL	183	32.6 to 333	-0.91	Acceptable
	Evaluation Criteria - 8 <input type="checkbox"/> Voluntary		Evaluation Parameter - a:1, b:0, c:0, d:75.2		
E. Coli - Sample 02 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	72.8 MPN/100mL	0	0 to 0	0	Not Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		
E. Coli - Sample 03 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		
E. Coli - Sample 04 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		
E. Coli - Sample 05 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	164 MPN/100mL	183	32.6 to 333	-0.25	Acceptable
	Evaluation Criteria - 8 <input type="checkbox"/> Voluntary		Evaluation Parameter - a:1, b:0, c:0, d:75.2		
E. Coli - Sample 06 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		
E. Coli - Sample 07 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		
E. Coli - Sample 08 ^{1,2} 2525 / MIC001-MPN - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable
	Evaluation Criteria - 6 <input type="checkbox"/> Voluntary		Evaluation Parameter - span:2		

Method:SM 9223 B (Colilert Quanti-Tray)-2004 (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
E. Coli - Sample 09 ^{1,2} 2525 / MIC001-MPN - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	158.8 MPN/100mL	183	32.6 to 333	-0.32	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:75.2</i>
E. Coli - Sample 10 ^{1,2} 2525 / MIC001-MPN - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	<2 MPN/100mL	0	0 to 0	0	Acceptable <i>Evaluation Criteria - 6</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - span:2</i>

Method:SM 9223 B (Colilert®) 22nd ED (2004) [20212413]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Coliforms, total - Sample 01 ^{1,2} 2500 / MIC001-PA - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
Coliforms, total - Sample 02 ^{1,2} 2500 / MIC001-PA - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
Coliforms, total - Sample 04 ^{1,2} 2500 / MIC001-PA - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
Coliforms, total - Sample 03 ^{1,2} 2500 / MIC001-PA - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
Coliforms, total - Sample 05 ^{1,2} 2500 / MIC001-PA - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
Coliforms, total - Sample 06 ^{1,2} 2500 / MIC001-PA - Lot LRAM1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
Coliforms, total - Sample 07 ^{1,2}	1 Units	1	1 to 1	0	Acceptable

2500 / MIC001-PA - Lot LRAB1012
 /Analyst:AC/ Analysis Date: 2016-05-16

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0, d:0

Coliforms, total - Sample 08^{1,2}

0 Units 0 0 to 0

0 Acceptable

2500 / MIC001-PA - Lot LRAB1012
 /Analyst:AC/ Analysis Date: 2016-05-16

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0, d:0

Coliforms, total - Sample 09^{1,2}

1 Units 1 1 to 1

0 Acceptable

2500 / MIC001-PA - Lot LRAB1012
 /Analyst:AC/ Analysis Date: 2016-05-16

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0, d:0

Method:SM 9223 B (Colilert®) 22nd ED (2004) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Coliforms, total - Sample 10 ^{1,2} 2500 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 01 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 02 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 03 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 04 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 05 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 06 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 07 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				
E. Coli - Sample 08 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
	<i>Evaluation Criteria - 8</i>				<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
	<input type="checkbox"/> Voluntary				

Method:SM 9223 B (Colilert®) 22nd ED (2004) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
E. Coli - Sample 09 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	1 Units	1	1 to 1	0	Acceptable
		<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary			<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>
E. Coli - Sample 10 ^{1,2} 2525 / MIC001-PA - Lot LRAB1012 /Analyst:AC/ Analysis Date: 2016-05-16	0 Units	0	0 to 0	0	Acceptable
		<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary			<i>Evaluation Parameter - a:1, b:0, c:0, d:0</i>

Minerals

Method:EPA 200.7 4.4 (1994) [10013806]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Calcium, Ca ^{1,2} 1035 / PE1304-1KT - Lot LRAB0972 /Analyst:SD/ Analysis Date: 2016-04-18	74.5 mg/L	74.8	63.6 to 86	-0.05	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Magnesium, Mg ^{1,2} 1085 / PE1304-1KT - Lot LRAB0972 /Analyst:SD/ Analysis Date: 2016-04-18	4.27 mg/L	4.23	3.6 to 4.86	0.13	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Potassium, K ^{1,2} 1125 / PE1304-1KT - Lot LRAB0972 /Analyst:SD/ Analysis Date: 2016-04-18	14.6 mg/L	16.3	13.9 to 18.7	-1.39	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Sodium, Na ^{1,2} 1155 / PE1304-1KT - Lot LRAB0972 /Analyst:SD/ Analysis Date: 2016-04-18	15.7 mg/L	15.3	13 to 17.6	0.35	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					

Method:EPA 300.0 2.1 (1993) [10053200]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Chloride ^{1,2} 1575 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	123 mg/L	113	96.1 to 130	1.18	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Fluoride ^{1,2} 1730 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	2.87 mg/L	3.13	2.82 to 3.44	-1.66	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>					
Sulfate ^{1,2} 2000 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	118 mg/L	106	90.1 to 122	1.51	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					

Method:SM 2340 B 22nd Ed (2011) [20046417]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Hardness, total as CaCO ₃ ^{1,2} 1755 / PE1304-1KT - Lot LRAB0972 /Analyst:SD/ Analysis Date: 2016-04-18	204 mg/L	204	173 to 235	0	Acceptable
		<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>	

Method:SM 4500-F⁻ C 22nd ED (2011) [20102210]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Fluoride ^{1,2} 1730 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-25	3.1 mg/L	3.13	2.82 to 3.44	-0.19	Acceptable
		<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>	

Miscellaneous Analytes

Method:EPA 200.8 5.4 (1994) [10014605]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Uranium, U ^{1,2} 3055 / PE1548-20ML - Lot LRA1102 /Analyst:DK/ Analysis Date: 2016-04-18	7.32 ug/L	8.24	6.36 to 10.1	-0.98	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:.9568, b:.1153, c:.0668, d:.3716</i>

Method:SM 2130 B 22nd Ed (2011) [20042619]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Turbidity ^{1,2} 2055 / PE1342-2ML - Lot LRAA9246 /Analyst:SW/ Analysis Date: 2016-04-21	7.17 NTU	7.01	6.08 to 7.95	0.34	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:0.9755, b:0.0593, c:0.0565, d:0.0661</i>

Method:SM 2320 B 22nd Ed (2011) [20045414]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Alkalinity as CaCO ₃ ^{1,2} 1505 / PE1304-1KT - Lot LRA10972 /Analyst:SW/ Analysis Date: 2016-04-14	34.8 mg/L	34.8	31.3 to 38.3	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>

Method:SM 2330 B 21st ED (2000) [20003354]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Corrosivity ^{1,2} 1620 / PE1304-1KT - Lot LRA10972 /Analyst:AC/ Analysis Date: 2016-04-26	0 SI Units	-0.39	-0.79 to 0.01	1.96	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0, d:0.200</i>

Method:SM 2510 B 22nd Ed (2011) [20048413]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
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Specific conductance, Conductivity (25°C) ^{1,2}	603 umhos/cm	614	553 to 675	-0.36	Acceptable
1610 / PE1304-1KT - Lot LRAB0972 /Analyst:SW/ Analysis Date: 2016-04-13	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>		

Method:SM 2540 B 22nd Ed (2011) [20049212]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Total Solids (TS) ^{1,2}	446 mg/L	360	233 to 487	1.35	Acceptable
1950 / PE1304-1KT - Lot LRAB0972 /Analyst:SW/ Analysis Date: 2016-04-13	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.1956, d:-6.683</i>		

Method:SM 2540 C 22nd Ed (2011) [20050424]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Total Dissolved Solids at 180°C (TDS) ^{1,2}	420 mg/L	360	288 to 432	1.67	Acceptable
1955 / PE1304-1KT - Lot LRAB0972 /Analyst:SW/ Analysis Date: 2016-04-13	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.10, d:0</i>		

Method:SM 4500-Cl G 22nd ED (2011) [20081418]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Total residual chlorine ^{1,2}	1.56 mg/L	1.5	1.27 to 1.73	0.52	Acceptable
1940 / PE1450-2ML - Lot LRAB0203 /Analyst:SW/ Analysis Date: 2016-04-13	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1.0000, b:-0.0048, c:0.0723, d:0.0065</i>		
Residual free chlorine ^{1,2}	1.54 mg/L	1.5	1.22 to 1.78	0.28	Acceptable
1945 / PE1450-2ML - Lot LRAB0203 /Analyst:SW/ Analysis Date: 2016-04-13	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1.0000, b:0.0004, c:0.0776, d:0.0246</i>		

Method:SM 4500-H+ B 22nd ED (2011) [20105015]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
pH ^{1,2}	6.12 Units	6.07	5.87 to 6.27	0.5	Acceptable

1900 / PE1368-20ML - Lot LRAB0568
/Analyst:SW/ Analysis Date: 2016-04-19

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0, d:0.10

Nutrients

Method:EPA 300.0 2.1 (1993) [10053200]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Nitrate as N ^{1,2} 1810 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	7.12 mg/L	7.14	6.43 to 7.85	-0.06	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>					
Nitrate+nitrite as N ^{1,2} 1820 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	7.12 mg/L	7.84	6.66 to 9.02	-1.22	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Nitrite as N ^{1,2} 1840 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	<0.05 mg/L	0.69	0.59 to 0.8	-13.34	Not Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Orthophosphate as P ^{1,2} 1870 / PE1364-20ML - Lot LRAA9635 /Analyst:SW/ Analysis Date: 2016-04-21	3.08 mg/L	4.09	3.48 to 4.7	-3.29	Not Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					

Method:EPA 353.2 2 (1993) [10067604]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Nitrate as N ^{1,2} 1810 / PE1364-20ML - Lot LRAA9635 /Analyst:AC/ Analysis Date: 2016-04-26	6.57 mg/L	7.14	6.43 to 7.85	-1.6	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>					
Nitrate+nitrite as N ^{1,2} 1820 / PE1364-20ML - Lot LRAA9635 /Analyst:CM/ Analysis Date: 2016-04-21	7.3 mg/L	7.84	6.66 to 9.02	-0.92	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					
Nitrite as N ^{1,2} 1840 / PE1364-20ML - Lot LRAA9635 /Analyst:CM/ Analysis Date: 2016-04-21	0.726 mg/L	0.69	0.59 to 0.8	0.68	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>					

Method: EPA 365.1 2 (1993) [10070005]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Orthophosphate as P ^{1,2} 1870 / PE1364-20ML - Lot LRAA9635 /Analyst:CM/ Analysis Date: 2016-04-21	4.11 mg/L	4.09	3.48 to 4.7	0.07	Acceptable
		<i>Evaluation Criteria - 8</i>		<i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>	
		<input type="checkbox"/> Voluntary			

Trace Metals - Drinking Water

Method: EPA 200.7 4.4 (1994) [10013806]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Antimony, Sb ^{1,2} 1005 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-18	<50 ug/L	22.1	15.5 to 28.7	-6.66	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Arsenic, As ^{1,2} 1010 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	40.8 ug/L	38	26.6 to 49.4	0.49	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Barium, Ba ^{1,2} 1015 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-18	725 ug/L	744	632 to 856	-0.34	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Beryllium, Be ^{1,2} 1020 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	8.11 ug/L	8.1	6.89 to 9.32	0.02	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Boron, B ^{1,2} 1025 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-18	1380 ug/L	1340	1140 to 1540	0.4	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Cadmium, Cd ^{1,2} 1030 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	39.1 ug/L	39.1	31.3 to 46.9	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.1, d:0</i>
Chromium, Cr (total) ^{1,2} 1040 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	73.6 ug/L	71.4	60.7 to 82.1	0.41	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Copper, Cu ^{1,2} 1055 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	961 ug/L	956	860 to 1050	0.1	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.05, d:0</i>
Iron, Fe ^{1,2}	232 ug/L	223	178 to 268	0.74	Acceptable

1070 / PE3488-500ML - Lot LRAA8347
/Analyst:SD/ Analysis Date: 2016-04-20

Evaluation Criteria - 4
 Voluntary

*Evaluation Parameter - break:250,
highPercentage:0.15, lowPercentage:0.20*

Method: EPA 200.7 4.4 (1994) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Lead, Pb ^{1,2} 1075 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-21	45.5 ug/L	49.1	34.4 to 63.8	-0.49	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Manganese, Mn ^{1,2} 1090 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	824 ug/L	815	693 to 937	0.15	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Molybdenum, Mo ^{1,2} 1100 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-18	59.6 ug/L	59.6	50.7 to 68.5	0	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Nickel, Ni ^{1,2} 1105 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	23.7 ug/L	24.5	20.8 to 28.2	-0.43	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Selenium, Se ^{1,2} 1140 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	76.9 ug/L	81.1	64.9 to 97.3	-0.52	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.1, d:0</i>
Silver, Ag ^{1,2} 1150 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-18	153 ug/L	151	106 to 196	0.09	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Thallium, Tl ^{1,2} 1165 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-21	<100 ug/L	4	2.8 to 5.2	-6.67	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Vanadium, V ^{1,2} 1185 / PE3458-500ML - Lot LRAA7384 /Analyst:SD/ Analysis Date: 2016-04-18	804 ug/L	794	675 to 913	0.17	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Zinc, Zn ^{1,2} 1190 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	807 ug/L	805	684 to 926	0.03	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>

Method:EPA 200.7 4.4 (1994) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Aluminum, Al ^{1,2} 1000 / PE3488-500ML - Lot LRAA8347 /Analyst:SD/ Analysis Date: 2016-04-18	568 ug/L	534	454 to 614	1.13	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:500, highPercentage:0.15, lowPercentage:0.20</i>

Method:EPA 200.8 5.4 (1994) [10014605]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Antimony, Sb ^{1,2} 1005 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-18	17.6 ug/L	22.1	15.5 to 28.7	-1.36	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Arsenic, As ^{1,2} 1010 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-18	35.6 ug/L	38	26.6 to 49.4	-0.42	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Barium, Ba ^{1,2} 1015 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-18	696 ug/L	744	632 to 856	-0.86	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Beryllium, Be ^{1,2} 1020 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-18	7.14 ug/L	8.1	6.89 to 9.32	-1.58	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Boron, B ^{1,2} 1025 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-18	1330 ug/L	1340	1140 to 1540	-0.1	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Cadmium, Cd ^{1,2} 1030 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-18	34.7 ug/L	39.1	31.3 to 46.9	-1.13	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.1, d:0</i>
Chromium, Cr (total) ^{1,2}	65.4 ug/L	71.4	60.7 to 82.1	-1.12	Acceptable

1040 / PE3488-500ML - Lot LRAA8347
 /Analyst:DK/ Analysis Date: 2016-04-18

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0.075, d:0

Copper, Cu^{1,2}

926 ug/L 956

860 to
1050

-0.63

Acceptable

1055 / PE3488-500ML - Lot LRAA8347
 /Analyst:DK/ Analysis Date: 2016-04-18

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0.05, d:0

Lead, Pb^{1,2}

42.1 ug/L 49.1

34.4 to
63.8

-0.95

Acceptable

1075 / PE3488-500ML - Lot LRAA8347
 /Analyst:DK/ Analysis Date: 2016-04-18

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0.15, d:0

Method:EPA 200.8 5.4 (1994) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Manganese, Mn ^{1,2} 1090 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-20	877 ug/L	815	693 to 937	1.01	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Molybdenum, Mo ^{1,2} 1100 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-18	55.6 ug/L	59.6	50.7 to 68.5	-0.89	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Nickel, Ni ^{1,2} 1105 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-18	22.3 ug/L	24.5	20.8 to 28.2	-1.2	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Selenium, Se ^{1,2} 1140 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-18	72.8 ug/L	81.1	64.9 to 97.3	-1.02	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.1, d:0</i>
Silver, Ag ^{1,2} 1150 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-20	159 ug/L	151	106 to 196	0.35	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Thallium, Tl ^{1,2} 1165 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-20	4.07 ug/L	4	2.8 to 5.2	0.12	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>
Vanadium, V ^{1,2} 1185 / PE3458-500ML - Lot LRAA7384 /Analyst:DK/ Analysis Date: 2016-04-18	793 ug/L	794	675 to 913	-0.02	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Zinc, Zn ^{1,2} 1190 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-18	770 ug/L	805	684 to 926	-0.58	Acceptable <i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - a:1, b:0, c:0.075, d:0</i>
Aluminum, Al ^{1,2} 1000 / PE3488-500ML - Lot LRAA8347 /Analyst:DK/ Analysis Date: 2016-04-20	583 ug/L	534	454 to 614	1.62	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:500, highPercentage:0.15, lowPercentage:0.20</i>

Method:EPA 200.8 5.4 (1994) (Continued)

Analyte Result Units Assigned Value Accept. Window Z Evaluation

Method:EPA 245.1 3 (1994) [10036609]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Mercury, Hg ^{1,2} 1095 / PE3488-500ML - Lot LRAA8347 /Analyst:RK/ Analysis Date: 2016-04-14	6.65 ug/L	7.7	5.39 to 10	-0.91	Acceptable
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.15, d:0</i>		

Trihalomethanes

Method: EPA 524.2 4.1 (1995) [10088809]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Total trihalomethanes ^{1,2} 5205 / PE1456-2ML - Lot LRAB0864 /Analyst:KW/ Analysis Date: 2016-04-19	105 ug/L	118	70.8 to 165	-0.55	Acceptable
		<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - a:1, b:0, c:0.20, d:0</i>	

Volatile Organic Compounds(VOCs)

Method:EPA 524.2 4.1 (1995) [10088809]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Benzene ^{1,2} 4375 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	8.48 ug/L	10 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	8 to 12	-1.65	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Bromobenzene ^{1,2} 4385 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	17.4 ug/L	18 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	14.4 to 21.6	-0.35	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Bromochloromethane ^{1,2} 4390 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	9.8 ug/L	14.1 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	11.2 to 16.9	-2.22	Not Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
n-Butylbenzene ^{1,2} 4435 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	5.36 ug/L	5.33 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	3.2 to 7.46	0.05	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
sec-Butylbenzene ^{1,2} 4440 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	7.56 ug/L	8.28 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	4.97 to 11.6	-0.75	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
tert-Butylbenzene ^{1,2} 4445 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	15.4 ug/L	17.6 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	14.1 to 21.1	-0.85	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Carbon tetrachloride ^{1,2} 4455 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	7.64 ug/L	8.28 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	4.97 to 11.6	-0.56	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Chlorobenzene ^{1,2} 4475 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	6.56 ug/L	5.85 <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary	3.51 to 8.19	1.31	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Chloroethane ^{1,2}	16.2 ug/L	12.7	7.64 to 17.8	1.37	Acceptable

4485 / PE1358-1KT - Lot LRAA7981
/Analyst:KW/ Analysis Date: 2016-04-19

Evaluation Criteria - 8
 Voluntary

Evaluation Parameter - a:1, b:0, c:0.20, d:0

Method: EPA 524.2 4.1 (1995) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
2-Chlorotoluene ^{1,2} 4535 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	9.48 ug/L	10.8	8.66 to 13	-0.85	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
4-Chlorotoluene ^{1,2} 4540 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	12.6 ug/L	12.5	10 to 15	0.08	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Dibromomethane ^{1,2} 4595 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	19.1 ug/L	16.3	13 to 19.5	1.67	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Dibromomethane ^{1,2} 4595 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	<0.50 ug/L	16.3	13 to 19.5	-9.7	Not Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,2-Dichlorobenzene ^{1,2} 4610 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16.7 ug/L	16.2	13 to 19.5	0.36	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,3-Dichlorobenzene ^{1,2} 4615 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	13.5 ug/L	13.1	10.5 to 15.7	0.4	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,4-Dichlorobenzene ^{1,2} 4620 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16.9 ug/L	14.6	11.6 to 17.5	1.62	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Dichlorodifluoromethane ^{1,2} 4625 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	8.36 ug/L	8.94	5.36 to 12.5	-0.32	Acceptable <i>Evaluation Parameter - a:1, b:0, c:0.20, d:0</i>
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary				
1,1-Dichloroethane ^{1,2} 4630 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	5.36 ug/L	5.3	3.18 to 7.42	0.1	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				

Method: EPA 524.2 4.1 (1995) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
1,2-Dichloroethane ^{1,2} 4635 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	4.44 ug/L	4.15	2.49 to 5.81	0.57	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,1-Dichloroethylene ^{1,2} 4640 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	5.04 ug/L	6.12	3.67 to 8.57	-1.49	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
cis-1,2-Dichloroethylene ^{1,2} 4645 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16.1 ug/L	15.9	12.7 to 19.1	0.14	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,2-Dichloropropane ^{1,2} 4655 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16.9 ug/L	14.6	11.7 to 17.5	1.56	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,3-Dichloropropane ^{1,2} 4660 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	11.1 ug/L	9.95	5.97 to 13.9	1.3	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
2,2-Dichloropropane ^{1,2} 4665 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	11 ug/L	10.9	8.69 to 13	0.05	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,1-Dichloropropene ^{1,2} 4670 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	13.2 ug/L	14.7	11.8 to 17.7	-0.71	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
cis-1,3-Dichloropropene ^{1,2} 4680 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	14 ug/L	13.7	10.9 to 16.4	0.23	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
trans-1,3-Dichloropropene ^{1,2} 4685 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	14.6 ug/L	14.1	11.3 to 17	0.34	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				

Method: EPA 524.2 4.1 (1995) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
trans-1,2-Dichloroethylene ^{1,2} 4700 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	7.52 ug/L	8.08	4.85 to 11.3	-0.57	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Ethylbenzene ^{1,2} 4765 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	7.16 ug/L	7.45	4.47 to 10.4	-0.39	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Hexachlorobutadiene ^{1,2} 4835 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	15.2 ug/L	16.5	13.2 to 19.8	-0.68	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Isopropylbenzene ^{1,2} 4900 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	14 ug/L	15.5	12.4 to 18.6	-0.8	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
4-Isopropyltoluene ^{1,2} 4910 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16.3 ug/L	18.2	14.6 to 21.9	-1.15	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Methyl bromide (Bromomethane) ^{1,2} 4950 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16.7 ug/L	22.9	13.7 to 32	-1.35	Acceptable <i>Evaluation Parameter - a:1, b:0, c:0.20, d:0</i>
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary				
Methyl chloride (Chloromethane) ^{1,2} 4960 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	15.9 ug/L	21.4	12.8 to 30	-1.29	Acceptable <i>Evaluation Parameter - a:1, b:0, c:0.20, d:0</i>
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary				
Methylene chloride (Dichloromethane) ^{1,2} 4975 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	18.1 ug/L	17.8	14.2 to 21.3	0.13	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Methyl tert-butyl ether (MTBE) ^{1,2} 5000 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	18.6 ug/L	16.9	13.5 to 20.3	0.63	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				

Method:EPA 524.2 4.1 (1995) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Naphthalene ^{1,2} 5005 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	29.6 ug/L	28.5	19.9 to 37	0.31	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.30, lowPercentage:0.40</i>
n-Propylbenzene (1-Phenylpropane) ^{1,2} 5090 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	8.8 ug/L	9.7	5.82 to 13.6	-0.7	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Styrene ^{1,2} 5100 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	8.68 ug/L	7.97	4.78 to 11.2	1	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
1,1,1,2-Tetrachloroethane ^{1,2} 5105 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	7.36 ug/L	6.7	4.02 to 9.38	0.94	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
1,1,2,2-Tetrachloroethane ^{1,2} 5110 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	14 ug/L	12.9	10.3 to 15.5	0.8	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Tetrachloroethylene (Perchloroethylene) ^{1,2} 5115 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	16 ug/L	16.4	13.2 to 19.7	-0.28	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
Toluene ^{1,2} 5140 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	13.4 ug/L	13	10.4 to 15.6	0.46	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
1,2,3-Trichlorobenzene ^{1,2} 5150 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	32.2 ug/L	32.5	26 to 39	-0.08	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
1,2,4-Trichlorobenzene ^{1,2} 5155 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	11.1 ug/L	9.61	5.77 to 13.5	1.53	Acceptable <i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>

Method: EPA 524.2 4.1 (1995) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
1,1,1-Trichloroethane ^{1,2} 5160 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	7.12 ug/L	7.61	4.57 to 10.7	-0.47	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,1,2-Trichloroethane ^{1,2} 5165 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	11.4 ug/L	10.3	8.21 to 12.3	1.16	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Trichloroethene (Trichloroethylene) ^{1,2} 5170 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	15 ug/L	14.7	11.7 to 17.6	0.2	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Trichlorofluoromethane ^{1,2} 5175 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	20.1 ug/L	24.5	14.7 to 34.3	-0.9	Acceptable <i>Evaluation Parameter - a:1, b:0, c:0.20, d:0</i>
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary				
1,2,3-Trichloropropane ^{1,2} 5180 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	18.7 ug/L	17.3	13.8 to 20.7	0.62	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,2,4-Trimethylbenzene ^{1,2} 5210 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	15.6 ug/L	16.9	13.5 to 20.2	-0.79	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
1,3,5-Trimethylbenzene ^{1,2} 5215 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	13.7 ug/L	15	12 to 18	-0.59	Acceptable <i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>
	<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary				
Vinyl chloride ^{1,2} 5235 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	5.44 ug/L	5.1	3.06 to 7.14	0.33	Acceptable <i>Evaluation Parameter - a:1, b:0, c:0.20, d:0</i>
	<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary				
m+p-Xylene ^{1,2}	12.4 ug/L	12.7	9.93 to 15.4	-0.22	Acceptable

5240 / PE1358-1KT - Lot LRAA7981
/Analyst:KW/ Analysis Date: 2016-04-19

Evaluation Criteria - 5
 Voluntary

Evaluation Parameter - deviations:2

Method:EPA 524.2 4.1 (1995) (Continued)

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
o-Xylene ^{1,2} 5250 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	18.4 ug/L	17.9	15.3 to 20.5	0.38	Acceptable
		<i>Evaluation Criteria - 5</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - deviations:2</i>	
Xylene, total ^{1,2} 5260 / PE1358-1KT - Lot LRAA7981 /Analyst:KW/ Analysis Date: 2016-04-19	30.8 ug/L	30	24 to 36	0.34	Acceptable
		<i>Evaluation Criteria - 4</i> <input type="checkbox"/> Voluntary		<i>Evaluation Parameter - break:10, highPercentage:0.20, lowPercentage:0.40</i>	

Group Analysis Summary

Acceptable : 54 / 56

Score : 96.43% - (Acceptable)

Volatile Organic Compounds(VOCs)

Method:EPA 524.2 4.1 (1995) [10088809]

Analyte	Result Units	Assigned Value	Accept. Window	Z	Evaluation
Bromodichloromethane ^{1,2} 4395 / PE1456-2ML - Lot LRAB0864 /Analyst:KW/ Analysis Date: 2016-04-19	34.4 ug/L	36.1	28.9 to 43.3	-0.47	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.10, d:0</i>					
Bromoform ^{1,2} 4400 / PE1456-2ML - Lot LRAB0864 /Analyst:KW/ Analysis Date: 2016-04-19	29.8 ug/L	32.8	26.2 to 39.4	-0.91	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.10, d:0</i>					
Chloroform ^{1,2} 4505 / PE1456-2ML - Lot LRAB0864 /Analyst:KW/ Analysis Date: 2016-04-19	23 ug/L	26.5	21.2 to 31.8	-1.32	Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.10, d:0</i>					
Dibromochloromethane ^{1,2} 4575 / PE1456-2ML - Lot LRAB0864 /Analyst:KW/ Analysis Date: 2016-04-19	17.6 ug/L	22.9	18.3 to 27.5	-2.31	Not Acceptable
<i>Evaluation Criteria - 8</i> <input type="checkbox"/> Voluntary					
<i>Evaluation Parameter - a:1, b:0, c:0.10, d:0</i>					

Sample Information

TRihalOMETHANES - WS

PE1456-2ML / Lot LRAB0864

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Bromodichloromethane ^{1,2} 4395 Trihalomethanes	ug/L	36.1±0.350	35.9	4.5
Bromoform ^{1,2} 4400 Trihalomethanes	ug/L	32.8±0.318	33.4	4.76
Chloroform ^{1,2} 4505 Trihalomethanes	ug/L	26.5±0.257	26.6	3.08
Dibromochloromethane ^{1,2} 4575 Trihalomethanes	ug/L	22.9±0.222	23.7	2.25
Total trihalomethanes ^{1,2} 5205 Trihalomethanes	ug/L	118±1.15	120	11.3
Bromodichloromethane ^{1,2} 4395 Volatile Organic Compounds(VOCs)	ug/L	36.1±0.350	35.9	4.5
Bromoform ^{1,2} 4400 Volatile Organic Compounds(VOCs)	ug/L	32.8±0.318	33.4	4.76
Chloroform ^{1,2} 4505 Volatile Organic Compounds(VOCs)	ug/L	26.5±0.257	26.6	3.08
Dibromochloromethane ^{1,2} 4575 Volatile Organic Compounds(VOCs)	ug/L	22.9±0.222	23.7	2.25

TRACE METALS - WS (WHOLE VOLUME) SAMPLE

PE3488-500ML / Lot LRAA8347

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Arsenic, As ^{1,2} 1010 Trace Metals - Drinking Water	ug/L	38.0±0.198	41.7	5.59
Beryllium, Be ^{1,2} 1020 Trace Metals - Drinking Water	ug/L	8.10±0.0403	8.27	0.75
Cadmium, Cd ^{1,2} 1030 Trace Metals - Drinking Water	ug/L	39.1±0.199	40.2	1.77
Chromium, Cr (total) ^{1,2} 1040 Trace Metals - Drinking Water	ug/L	71.4±0.364	69.9	3.71
Copper, Cu ^{1,2} 1055 Trace Metals - Drinking Water	ug/L	956±4.88	942	35.1
Iron, Fe ^{1,2} 1070 Trace Metals - Drinking Water	ug/L	223±1.14	217	12.2
Lead, Pb ^{1,2} 1075 Trace Metals - Drinking Water	ug/L	49.1±0.25	45.7	3.15
Manganese, Mn ^{1,2} 1090 Trace Metals - Drinking Water	ug/L	815±4.15	807	66.9
Mercury, Hg ^{1,2} 1095 Trace Metals - Drinking Water	ug/L	7.70±0.0393	7.11	2.4
Nickel, Ni ^{1,2} 1105 Trace Metals - Drinking Water	ug/L	24.5±0.125	23.9	1.52
Selenium, Se ^{1,2} 1140 Trace Metals - Drinking Water	ug/L	81.1±0.413	78.3	6.93
Zinc, Zn ^{1,2} 1190 Trace Metals - Drinking Water	ug/L	805±4.11	802	63.9
Aluminum, Al ^{1,2} 1000 Trace Metals - Drinking Water	ug/L	534±2.72	575	30.2

PH - WS - 20ML

PE1368-20ML / Lot LRAB0568

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
pH ^{1,2} 1900 Miscellaneous Analytes	Units	6.07±0.031	6.13	0.05
pH ^{1,2} 1900	Units	6.07±0.031	6.13	0.05

ANIONS - WS

PE1364-20ML / Lot LRAA9635

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Orthophosphate as PO4 ²⁻ 11870	mg/L	12.5±0.064	12.1	2.77
Chloride ^{1,2} 1575	mg/L	113±0.579	115	3.68
Fluoride ^{1,2} 1730	mg/L	3.13±0.016	3.02	0.15
Nitrate as NO3 ^{1,2} 1805	mg/L	31.6±0.161	0	0
Nitrate as N ^{1,2} 1810	mg/L	7.14±0.036	7.17	0.38
Nitrate+nitrite as N ^{1,2} 1820	mg/L	7.84±0.040	7.63	0.46
Nitrite as NO2 ^{1,2} 1835	mg/L	2.27±0.012	0	0
Nitrite as N ^{1,2} 1840	mg/L	0.691±0.004	0.7	0.04
Orthophosphate as P ^{1,2} 1870	mg/L	4.09±0.021	4.13	0.12
Sulfate ^{1,2} 2000	mg/L	106±0.543	109	5.92
Orthophosphate as PO4 ²⁻ 11870 Minerals	mg/L	12.5±0.064	12.1	2.77
Chloride ^{1,2} 1575 Minerals	mg/L	113±0.579	115	3.68
Fluoride ^{1,2} 1730 Minerals	mg/L	3.13±0.016	3.02	0.15
Nitrate as NO3 ^{1,2} 1805 Minerals	mg/L	31.6±0.161	0	0
Nitrate as N ^{1,2} 1810 Nutrients	mg/L	7.14±0.036	7.17	0.38
Nitrate+nitrite as N ^{1,2} 1820 Nutrients	mg/L	7.84±0.040	7.63	0.46
Nitrite as NO2 ^{1,2} 1835 Minerals	mg/L	2.27±0.012	0	0
Nitrite as N ^{1,2} 1840 Nutrients	mg/L	0.691±0.004	0.7	0.04
Orthophosphate as P ^{1,2} 1870 Nutrients	mg/L	4.09±0.021	4.13	0.12
Phosphorus as P, total ^{1,2} 1910 Miscellaneous Analytes	mg/L	4.09	4.28	0.2
Sulfate ^{1,2} 2000 Minerals	mg/L	106±0.543	109	5.92

Nitrate as N ^{1,2} 1810 Minerals	mg/L	7.14±0.036	7.17	0.38
Nitrate+nitrite as N ^{1,2} 1820 Minerals	mg/L	7.84±0.040	7.63	0.46
Nitrite as N ^{1,2} 1840 Minerals	mg/L	0.691±0.004	0.7	0.04
Orthophosphate as P ^{1,2} 1870 Minerals	mg/L	4.09±0.021	4.13	0.12
Sulfate ^{1,2} 2000 Miscellaneous Analytes	mg/L	106±0.543	109	5.92

RESIDUAL FREE CHLORINE (RFC) - WS

PE1450-2ML / Lot LRAB0203

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Residual free chlorine ^{1,2} 1945 Miscellaneous Analytes	mg/L	1.50±0.0149	1.52	0.13
Total residual chlorine ^{1,2} 1940 Miscellaneous Analytes	mg/L	1.50±0.0151	1.56	0.11
Combined Chlorine ² 111 Miscellaneous Analytes	mg/L	0.05±0.001	0	0

TURBIDITY - WS

PE1342-2ML / Lot LRAA9246

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Turbidity ^{1,2} 2055 Miscellaneous Analytes	NTU	7.13	7.06	0.41

URANIUM - WS

PE1548-20ML / Lot LRAB1102

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Uranium, U ^{1,2} 3055 Miscellaneous Analytes	ug/L	8.49±0.04	8.1	0.74

TRACE METALS - WS (WHOLE VOLUME) SAMPLE

PE3458-500ML / Lot LRAA7384

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Antimony, Sb ^{1,2} 1005 Trace Metals - Drinking Water	ug/L	22.1±0.113	20.9	2.75
Barium, Ba ^{1,2} 1015 Trace Metals - Drinking Water	ug/L	744±3.79	737	30
Boron, B ^{1,2} 1025 Trace Metals - Drinking Water	ug/L	1340±6.85	1370	57.9
Molybdenum, Mo ^{1,2} 1100 Trace Metals - Drinking Water	ug/L	59.6±0.304	58.8	3.71
Silver, Ag ^{1,2} 1150 Trace Metals - Drinking Water	ug/L	151±0.772	155	12.3
Thallium, Tl ^{1,2} 1165 Trace Metals - Drinking Water	ug/L	4.00±0.0204	4.08	0.43
Vanadium, V ^{1,2} 1185 Trace Metals - Drinking Water	ug/L	794±4.05	821	39.8

CORROSIVITY/SODIUM - WS

PE1304-1KT / Lot LRAB0972

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Calcium, Ca ^{1,2} 1035 Minerals	mg/L	74.8	75.4	2.28
Magnesium, Mg ^{1,2} 1085 Minerals	mg/L	4.23	4.23	0.18
Potassium, K ^{1,2} 1125 Minerals	mg/L	16.3	14.4	0.76
Sodium, Na ^{1,2} 1155 Minerals	mg/L	15.3	15.8	0.75
Alkalinity as CaCO ₃ ^{1,2} 1505 Miscellaneous Analytes	mg/L	34.8	33.9	2.05
Calcium hardness as CaCO ₃ ^{1,2} 1550 Minerals	mg/L	187	0	0
Specific conductance, Conductivity (25°C) ^{1,2} 1610 Miscellaneous Analytes	umhos/cm	614	606	12.1
Corrosivity ^{1,2} 1620 Miscellaneous Analytes	SI Units	-0.3905	0	0
Corrosivity (langlier index @ 25°C) ^{1,2} 1620 Miscellaneous Analytes	Units	-0.3905	0	0
Corrosivity (pH) ^{1,2} 1625 Miscellaneous Analytes	Units	7.7	7.86	0.18
Hardness, total as CaCO ₃ ^{1,2} 1755 Minerals	mg/L	204	203	6.17
Hardness, total as CaCO ₃ (calc.) ^{1,2} 1760 Miscellaneous Analytes	mg/L	204	207	8.87
Total Solids (TS) ^{1,2} 1950 Miscellaneous Analytes	mg/L	360	0	0
Total Dissolved Solids at 180°C (TDS) ^{1,2} 1955 Miscellaneous Analytes	mg/L	360	368	54.2
Langlier @ 140°F ^{1,2} 1800 Miscellaneous Analytes			0	0
Langlier @ 40°F ² 1800 Miscellaneous Analytes			0	0
Langlier @ 50°F ² 1800 Miscellaneous Analytes			0	0
Calcium, Ca ^{1,2} 1035 Trace Metals - Drinking Water	mg/L	74.8	75.4	2.28
Magnesium, Mg ^{1,2} 1085 Trace Metals - Drinking Water	mg/L	4.23	4.23	0.18
Potassium, K ^{1,2} 1125 Trace Metals - Drinking Water	mg/L	16.3	14.4	0.76

Sodium, Na ^{1,2} 1155 Miscellaneous Analytes	mg/L	15.3	15.8	0.75
Calcium hardness as CaCO ₃ ^{1,2} 1550 Miscellaneous Analytes	mg/L	187	0	0
Hardness, total as CaCO ₃ ^{1,2} 1755 Miscellaneous Analytes	mg/L	204	203	6.17

Standard Plate Count - WS

MIC002-2EA / Lot LRAA8196

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Heterotrophic plate count ^{1,2} 2555 Microbiology	CFU/mL	110±21.2	68.1	11.5
Heterotrophic Plate Count, MPN ^{1,2} 2555 Microbiology	MPN	110±21.2	59.6	27.3
Heterotrophic plate count ^{1,2} 2555	CFU/mL	110±21.2	68.1	11.5
Heterotrophic Plate Count, MPN ^{1,2} 2555	MPN	110±21.2	59.6	27.3

Inorganic Disinfection By-Products - WS (Whole Volume)

PE3306-500ML / Lot LRAB1217

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Bromate ^{1,2} 1535 Inorganic Disinfection By-Products	ug/L	41.3±0.211	0	0
Bromide ^{1,2} 1540 Inorganic Disinfection By-Products	ug/L	187±0.956	0	0
Chlorate ^{1,2} 1570 Inorganic Disinfection By-Products	ug/L	135±0.689	0	0
Chlorite ^{1,2} 1595 Inorganic Disinfection By-Products	ug/L	373±1.9	0	0

Complete Volatiles Kit - WS

PE1358-1KT / Lot LRAA7981

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Benzene ^{1,2} 4375 Volatile Organic Compounds(VOCs)	ug/L	10±0.097	9.78	0.92
Bromobenzene ^{1,2} 4385 Volatile Organic Compounds(VOCs)	ug/L	18.01±0.175	17.7	1.7
Bromochloromethane ^{1,2} 4390 Volatile Organic Compounds(VOCs)	ug/L	14.05±0.136	14.1	1.94
n-Butylbenzene ^{1,2} 4435 Volatile Organic Compounds(VOCs)	ug/L	5.33±0.052	5.62	0.56
sec-Butylbenzene ^{1,2} 4440 Volatile Organic Compounds(VOCs)	ug/L	8.28±0.08	8.59	0.96
tert-Butylbenzene ^{1,2} 4445 Volatile Organic Compounds(VOCs)	ug/L	17.57±0.17	17.3	2.58
Carbon tetrachloride ^{1,2} 4455 Volatile Organic Compounds(VOCs)	ug/L	8.28±0.08	8.17	1.14
Chlorobenzene ^{1,2} 4475 Volatile Organic Compounds(VOCs)	ug/L	5.85±0.057	5.96	0.54
Chloroethane ^{1,2} 4485 Volatile Organic Compounds(VOCs)	ug/L	12.74±0.143	13.1	2.6
2-Chlorotoluene ^{1,2} 4535 Volatile Organic Compounds(VOCs)	ug/L	10.82±0.105	10.7	1.56
4-Chlorotoluene ^{1,2} 4540 Volatile Organic Compounds(VOCs)	ug/L	12.53±0.122	12.6	1.28
Dibromomethane ^{1,2} 4595 Volatile Organic Compounds(VOCs)	ug/L	16.29±0.158	16.5	1.68
1,2-Dichlorobenzene ^{1,2} 4610 Volatile Organic Compounds(VOCs)	ug/L	16.21±0.157	16.3	1.37
1,3-Dichlorobenzene ^{1,2} 4615 Volatile Organic Compounds(VOCs)	ug/L	13.11±0.127	13	0.99
1,4-Dichlorobenzene ^{1,2} 4620 Volatile Organic Compounds(VOCs)	ug/L	14.55±0.141	14.8	1.42
Dichlorodifluoromethane ^{1,2} 4625 Volatile Organic Compounds(VOCs)	ug/L	8.94±0.186	7.53	1.43
Dichlorofluoromethane ² 4627 Volatile Organic Compounds(VOCs)	ug/L	0±0	0	0
1,1-Dichloroethane ^{1,2} 4630 Volatile Organic Compounds(VOCs)	ug/L	5.3±0.051	5.24	0.58
1,2-Dichloroethane ^{1,2} 4635 Volatile Organic Compounds(VOCs)	ug/L	4.15±0.04	4.24	0.51
1,1-Dichloroethylene ^{1,2} 4640 Volatile Organic Compounds(VOCs)	ug/L	6.12±0.059	4.91	0.73
cis-1,2-Dichloroethylene ^{1,2} 4645 Volatile Organic Compounds(VOCs)	ug/L	15.89±0.154	15.4	1.48

1,2-Dichloropropane ^{1,2} 4655 Volatile Organic Compounds(VOCs)	ug/L	14.61±0.142	15	1.47
1,3-Dichloropropane ^{1,2} 4660 Volatile Organic Compounds(VOCs)	ug/L	9.95±0.096	9.89	0.88
2,2-Dichloropropane ^{1,2} 4665 Volatile Organic Compounds(VOCs)	ug/L	10.86±0.105	10.9	1.9
1,1-Dichloropropene ^{1,2} 4670 Volatile Organic Compounds(VOCs)	ug/L	14.74±0.143	14.7	2.1
cis-1,3-Dichloropropene ^{1,2} 4680 Volatile Organic Compounds(VOCs)	ug/L	13.67±0.133	12.5	1.29
trans-1,3-Dichloropropene ^{1,2} 4685 Volatile Organic Compounds(VOCs)	ug/L	14.14±0.137	13.3	1.48
trans-1,2-Dichloroethylene ^{1,2} 4700 Volatile Organic Compounds(VOCs)	ug/L	8.08±0.078	7.6	0.98
Ethylbenzene ^{1,2} 4765 Volatile Organic Compounds(VOCs)	ug/L	7.45±0.072	7.44	0.74
Hexachlorobutadiene ^{1,2} 4835 Volatile Organic Compounds(VOCs)	ug/L	16.47±0.16	16.8	1.9
Isopropylbenzene ^{1,2} 4900 Volatile Organic Compounds(VOCs)	ug/L	15.51±0.15	15.8	1.88
4-Isopropyltoluene ^{1,2} 4910 Volatile Organic Compounds(VOCs)	ug/L	18.21±0.167	18.2	1.65
Methyl bromide (Bromomethane) ^{1,2} 4950 Volatile Organic Compounds(VOCs)	ug/L	22.89±0.222	17.4	5.48
Methyl chloride (Chloromethane) ^{1,2} 4960 Volatile Organic Compounds(VOCs)	ug/L	21.4±0.208	18.7	3.81
Methylene chloride (Dichloromethane) ^{1,2} 4975 Volatile Organic Compounds(VOCs)	ug/L	17.78±0.172	16.5	2.36
Methyl tert-butyl ether (MTBE) ^{1,2} 5000 Volatile Organic Compounds(VOCs)	ug/L	16.88±0.164	17.8	2.71
Naphthalene ^{1,2} 5005 Volatile Organic Compounds(VOCs)	ug/L	28.47±0.276	28.1	3.54
n-Propylbenzene (1-Phenylpropane) ^{1,2} 5090 Volatile Organic Compounds(VOCs)	ug/L	9.7±0.094	9.92	1.29
Styrene ^{1,2} 5100 Volatile Organic Compounds(VOCs)	ug/L	7.97±0.077	8.32	0.71
1,1,1,2-Tetrachloroethane ^{1,2} 5105 Volatile Organic Compounds(VOCs)	ug/L	6.7±0.065	6.64	0.7
1,1,2,2-Tetrachloroethane ^{1,2} 5110 Volatile Organic Compounds(VOCs)	ug/L	12.89±0.125	12.6	1.37
Tetrachloroethylene (Perchloroethylene) ^{1,2} 5115 Volatile Organic Compounds(VOCs)	ug/L	16.44±0.159	16.5	1.42
Toluene ^{1,2} 5140 Volatile Organic Compounds(VOCs)	ug/L	12.96±0.126	13.1	0.88
1,2,3-Trichlorobenzene ^{1,2} 5150 Volatile Organic Compounds(VOCs)	ug/L	32.49±0.315	31.9	3.86
1,2,4-Trichlorobenzene ^{1,2} 5155 Volatile Organic Compounds(VOCs)	ug/L	9.61±0.093	9.54	0.98
1,1,1-Trichloroethane ^{1,2} 5160 Volatile Organic Compounds(VOCs)	ug/L	7.61±0.074	7.43	1.04

1,1,2-Trichloroethane ^{1,2} 5165 Volatile Organic Compounds(VOCs)	ug/L	10.26±0.099	10.4	0.95
Trichloroethene (Trichloroethylene) ^{1,2} 5170 Volatile Organic Compounds(VOCs)	ug/L	14.65±0.142	14.5	1.49
Trichlorofluoromethane ^{1,2} 5175 Volatile Organic Compounds(VOCs)	ug/L	24.5±0.238	22.5	3.53
1,2,3-Trichloropropane ^{1,2} 5180 Volatile Organic Compounds(VOCs)	ug/L	17.27±0.168	16.6	2.25
1,2,4-Trimethylbenzene ^{1,2} 5210 Volatile Organic Compounds(VOCs)	ug/L	16.87±0.164	17.2	1.65
1,3,5-Trimethylbenzene ^{1,2} 5215 Volatile Organic Compounds(VOCs)	ug/L	15±0.146	15.2	2.2
Vinyl chloride ^{1,2} 5235 Volatile Organic Compounds(VOCs)	ug/L	5.1±0.08	5.35	1
m+p-Xylene ^{1,2} 5240 Volatile Organic Compounds(VOCs)	ug/L	12.44±0.1207	12.7	1.38
o-Xylene ^{1,2} 5250 Volatile Organic Compounds(VOCs)	ug/L	17.58±0.171	17.9	1.31
Xylene, total ^{1,2} 5260 Volatile Organic Compounds(VOCs)	ug/L	30.02±0.291	30.9	2.32
Benzene ^{1,2} 4375	ug/L	10±0.097	9.78	0.92
Bromobenzene ^{1,2} 4385	ug/L	18.01±0.175	17.7	1.7
Bromochloromethane ^{1,2} 4390	ug/L	14.05±0.136	14.1	1.94
n-Butylbenzene ^{1,2} 4435	ug/L	5.33±0.052	5.62	0.56
sec-Butylbenzene ^{1,2} 4440	ug/L	8.28±0.08	8.59	0.96
tert-Butylbenzene ^{1,2} 4445	ug/L	17.57±0.17	17.3	2.58
Carbon tetrachloride ^{1,2} 4455	ug/L	8.28±0.08	8.17	1.14
Chlorobenzene ^{1,2} 4475	ug/L	5.85±0.057	5.96	0.54
Chloroethane ^{1,2} 4485	ug/L	12.74±0.143	13.1	2.6
2-Chlorotoluene ^{1,2} 4535	ug/L	10.82±0.105	10.7	1.56
4-Chlorotoluene ^{1,2} 4540	ug/L	12.53±0.122	12.6	1.28
Dibromomethane ^{1,2} 4595	ug/L	16.29±0.158	16.5	1.68
1,2-Dichlorobenzene ^{1,2} 4610	ug/L	16.21±0.157	16.3	1.37
1,3-Dichlorobenzene ^{1,2} 4615	ug/L	13.11±0.127	13	0.99
1,4-Dichlorobenzene ^{1,2} 4620	ug/L	14.55±0.141	14.8	1.42

Dichlorodifluoromethane ^{1,2} 4625	ug/L	8.94±0.186	7.53	1.43
Dichlorofluoromethane ² 4627	ug/L	0±0	0	0
1,1-Dichloroethane ^{1,2} 4630	ug/L	5.3±0.051	5.24	0.58
1,2-Dichloroethane ^{1,2} 4635	ug/L	4.15±0.04	4.24	0.51
1,1-Dichloroethylene ^{1,2} 4640	ug/L	6.12±0.059	4.91	0.73
cis-1,2-Dichloroethylene ^{1,2} 4645	ug/L	15.89±0.154	15.4	1.48
1,2-Dichloropropane ^{1,2} 4655	ug/L	14.61±0.142	15	1.47
1,3-Dichloropropane ^{1,2} 4660	ug/L	9.95±0.096	9.89	0.88
2,2-Dichloropropane ^{1,2} 4665	ug/L	10.86±0.105	10.9	1.9
1,1-Dichloropropene ^{1,2} 4670	ug/L	14.74±0.143	14.7	2.1
cis-1,3-Dichloropropene ^{1,2} 4680	ug/L	13.67±0.133	12.5	1.29
trans-1,3-Dichloropropene ^{1,2} 4685	ug/L	14.14±0.137	13.3	1.48
trans-1,2-Dichloroethylene ^{1,2} 4700	ug/L	8.08±0.078	7.6	0.98
Ethylbenzene ^{1,2} 4765	ug/L	7.45±0.072	7.44	0.74
Hexachlorobutadiene ^{1,2} 4835	ug/L	16.47±0.16	16.8	1.9
Isopropylbenzene ^{1,2} 4900	ug/L	15.51±0.15	15.8	1.88
4-Isopropyltoluene ^{1,2} 4910	ug/L	18.21±0.167	18.2	1.65
Methyl bromide (Bromomethane) ^{1,2} 4950	ug/L	22.89±0.222	17.4	5.48
Methyl chloride (Chloromethane) ^{1,2} 4960	ug/L	21.4±0.208	18.7	3.81
Methylene chloride (Dichloromethane) ^{1,2} 4975	ug/L	17.78±0.172	16.5	2.36
Methyl tert-butyl ether (MTBE) ^{1,2} 5000	ug/L	16.88±0.164	17.8	2.71
Naphthalene ^{1,2} 5005	ug/L	28.47±0.276	28.1	3.54
n-Propylbenzene (1-Phenylpropane) ^{1,2} 5090	ug/L	9.7±0.094	9.92	1.29
Styrene ^{1,2} 5100	ug/L	7.97±0.077	8.32	0.71
1,1,1,2-Tetrachloroethane ^{1,2} 5105	ug/L	6.7±0.065	6.64	0.7

1,1,2,2-Tetrachloroethane ^{1,2} 5110	ug/L	12.89±0.125	12.6	1.37
Tetrachloroethylene (Perchloroethylene) ^{1,2} 5115	ug/L	16.44±0.159	16.5	1.42
Toluene ^{1,2} 5140	ug/L	12.96±0.126	13.1	0.88
1,2,3-Trichlorobenzene ^{1,2} 5150	ug/L	32.49±0.315	31.9	3.86
1,2,4-Trichlorobenzene ^{1,2} 5155	ug/L	9.61±0.093	9.54	0.98
1,1,1-Trichloroethane ^{1,2} 5160	ug/L	7.61±0.074	7.43	1.04
1,1,2-Trichloroethane ^{1,2} 5165	ug/L	10.26±0.099	10.4	0.95
Trichloroethene (Trichloroethylene) ^{1,2} 5170	ug/L	14.65±0.142	14.5	1.49
Trichlorofluoromethane ^{1,2} 5175	ug/L	24.5±0.238	22.5	3.53
1,2,3-Trichloropropane ^{1,2} 5180	ug/L	17.27±0.168	16.6	2.25
1,2,4-Trimethylbenzene ^{1,2} 5210	ug/L	16.87±0.164	17.2	1.65
1,3,5-Trimethylbenzene ^{1,2} 5215	ug/L	15±0.146	15.2	2.2
Vinyl chloride ^{1,2} 5235	ug/L	5.1±0.08	5.35	1
m+p-Xylene ^{1,2} 5240	ug/L	12.44±0.1207	12.7	1.38
o-Xylene ^{1,2} 5250	ug/L	17.58±0.171	17.9	1.31
Xylene, total ^{1,2} 5260	ug/L	30.02±0.291	30.9	2.32

WS-Microbiological PT - Presence/Absence

MIC001-PA / Lot LRAB1012

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Coliforms, total - Sample 01 ^{1,2} 2500 Microbiology	Units	1±0	0	0
Coliforms, total - Sample 02 ^{1,2} 2500 Microbiology	Units	1±0	0	0
Coliforms, total - Sample 04 ^{1,2} 2500 Microbiology	Units	1±0	0	0
Coliforms, total - Sample 03 ^{1,2} 2500 Microbiology	Units	0±0	0	0
Coliforms, total - Sample 05 ^{1,2} 2500 Microbiology	Units	1±0	0	0
Coliforms, total - Sample 06 ^{1,2} 2500 Microbiology	Units	0±0	0	0
Coliforms, total - Sample 07 ^{1,2} 2500 Microbiology	Units	1±0	0	0
Coliforms, total - Sample 08 ^{1,2} 2500 Microbiology	Units	0±0	0	0
Coliforms, total - Sample 09 ^{1,2} 2500 Microbiology	Units	1±0	0	0
Coliforms, total - Sample 10 ^{1,2} 2500 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 01 ^{1,2} 2530 Microbiology	Units	1±0	0	0
Fecal Coliforms - Sample 02 ^{1,2} 2530 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 03 ^{1,2} 2530 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 04 ^{1,2} 2530 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 05 ^{1,2} 2530 Microbiology	Units	1±0	0	0
Fecal Coliforms - Sample 06 ^{1,2} 2530 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 07 ^{1,2} 2530 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 08 ^{1,2} 2530 Microbiology	Units	0±0	0	0
Fecal Coliforms - Sample 09 ^{1,2} 2530 Microbiology	Units	1±0	0	0
Fecal Coliforms - Sample 10 ^{1,2} 2530 Microbiology	Units	0±0	0	0

E. Coli - Sample 01 ^{1,2} 2525 Microbiology	Units	1±0	0	0
E. Coli - Sample 02 ^{1,2} 2525 Microbiology	Units	0±0	0	0
E. Coli - Sample 03 ^{1,2} 2525 Microbiology	Units	0±0	0	0
E. Coli - Sample 04 ^{1,2} 2525 Microbiology	Units	0±0	0	0
E. Coli - Sample 05 ^{1,2} 2525 Microbiology	Units	1±0	0	0
E. Coli - Sample 06 ^{1,2} 2525 Microbiology	Units	0±0	0	0
E. Coli - Sample 07 ^{1,2} 2525 Microbiology	Units	0±0	0	0
E. Coli - Sample 08 ^{1,2} 2525 Microbiology	Units	0±0	0	0
E. Coli - Sample 09 ^{1,2} 2525 Microbiology	Units	1±0	0	0
E. Coli - Sample 10 ^{1,2} 2525 Microbiology	Units	0±0	0	0

WS-Microbiological PT - MPN

MIC001-MPN / Lot LRA1012

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Coliforms, total - Sample 01 ^{1,2} 2500 Microbiology	MPN/100mL	183±15.46	0	0
Coliforms, total - Sample 02 ^{1,2} 2500 Microbiology	MPN/100mL	81±15.80	0	0
Coliforms, total - Sample 04 ^{1,2} 2500 Microbiology	MPN/100mL	81±15.80	0	0
Coliforms, total - Sample 03 ^{1,2} 2500 Microbiology	MPN/100mL	0±0	0	0
Coliforms, total - Sample 05 ^{1,2} 2500 Microbiology	MPN/100mL	183±15.46	0	0
Coliforms, total - Sample 06 ^{1,2} 2500 Microbiology	MPN/100mL	0±0	0	0
Coliforms, total - Sample 07 ^{1,2} 2500 Microbiology	MPN/100mL	81±15.80	0	0
Coliforms, total - Sample 08 ^{1,2} 2500 Microbiology	MPN/100mL	0±0	0	0
Coliforms, total - Sample 09 ^{1,2} 2500 Microbiology	MPN/100mL	183±15.46	0	0
Coliforms, total - Sample 10 ^{1,2} 2500 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 01 ^{1,2} 2530 Microbiology	MPN/100mL	183±15.46	0	0
Fecal Coliforms - Sample 02 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 03 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 04 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 05 ^{1,2} 2530 Microbiology	MPN/100mL	183±15.46	0	0
Fecal Coliforms - Sample 06 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 07 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 08 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0
Fecal Coliforms - Sample 09 ^{1,2} 2530 Microbiology	MPN/100mL	183±15.46	0	0
Fecal Coliforms - Sample 10 ^{1,2} 2530 Microbiology	MPN/100mL	0±0	0	0

E. Coli - Sample 01 ^{1,2} 2525 Microbiology	MPN/100mL	183±15.46	0	0
E. Coli - Sample 02 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0
E. Coli - Sample 03 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0
E. Coli - Sample 04 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0
E. Coli - Sample 05 ^{1,2} 2525 Microbiology	MPN/100mL	183±15.46	0	0
E. Coli - Sample 06 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0
E. Coli - Sample 07 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0
E. Coli - Sample 08 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0
E. Coli - Sample 09 ^{1,2} 2525 Microbiology	MPN/100mL	183±15.46	0	0
E. Coli - Sample 10 ^{1,2} 2525 Microbiology	MPN/100mL	0±0	0	0

WS-Microbiological PT - MF (CFU)

MIC001-MF / Lot LRA1012

Analytes	Units	Gravimetric Value	Study Mean	Study Std. Dev.
Coliforms, total - Sample 01 ^{1,2} 2500 Microbiology	CFU/100mL	183±15.46	0	0
Coliforms, total - Sample 02 ^{1,2} 2500 Microbiology	CFU/100mL	81±15.80	0	0
Coliforms, total - Sample 04 ^{1,2} 2500 Microbiology	CFU/100mL	81±15.80	0	0
Coliforms, total - Sample 03 ^{1,2} 2500 Microbiology	CFU/100mL	0±0	0	0
Coliforms, total - Sample 05 ^{1,2} 2500 Microbiology	CFU/100mL	183±15.46	0	0
Coliforms, total - Sample 06 ^{1,2} 2500 Microbiology	CFU/100mL	0±0	0	0
Coliforms, total - Sample 07 ^{1,2} 2500 Microbiology	CFU/100mL	81±15.80	0	0
Coliforms, total - Sample 08 ^{1,2} 2500 Microbiology	CFU/100mL	0±0	0	0
Coliforms, total - Sample 09 ^{1,2} 2500 Microbiology	CFU/100mL	183±15.46	0	0
Coliforms, total - Sample 10 ^{1,2} 2500 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 01 ^{1,2} 2530 Microbiology	CFU/100mL	183±15.46	0	0
Fecal Coliforms - Sample 02 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 03 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 04 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 05 ^{1,2} 2530 Microbiology	CFU/100mL	183±15.46	0	0
Fecal Coliforms - Sample 06 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 07 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 08 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0
Fecal Coliforms - Sample 09 ^{1,2} 2530 Microbiology	CFU/100mL	183±15.46	0	0
Fecal Coliforms - Sample 10 ^{1,2} 2530 Microbiology	CFU/100mL	0±0	0	0

E. Coli - Sample 01 ^{1,2} 2525 Microbiology	CFU/100mL	183±15.46	0	0
E. Coli - Sample 02 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0
E. Coli - Sample 03 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0
E. Coli - Sample 04 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0
E. Coli - Sample 05 ^{1,2} 2525 Microbiology	CFU/100mL	183±15.46	0	0
E. Coli - Sample 06 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0
E. Coli - Sample 07 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0
E. Coli - Sample 08 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0
E. Coli - Sample 09 ^{1,2} 2525 Microbiology	CFU/100mL	183±15.46	0	0
E. Coli - Sample 10 ^{1,2} 2525 Microbiology	CFU/100mL	0±0	0	0

Definitions and Interpretation of Statistical Analysis:

Assigned Value: Value attributed to a particular quantity and accepted, sometimes by convention, as having an uncertainty appropriate for a given purpose. See ISO/IEC 17043 for additional information. In general the assigned value is the value used to assess proficiency and may or may not be the made to value (gravimetric value).

Accept. Window: The range of values that constitute acceptable performance for a laboratory participating in this PT study.

Z: A Z-Score tells how a single data point compares to normal data. A Z-Score says not only whether a point was above or below average, but how unusual the measurement is. Generally, a method result with a Z-Score less than |2| is considered to be in control, a Z-Score between |2| and |3| is considered 'Questionable', but still within control and a Z greater than |3| is considered not acceptable and the method is out of control. For WS studies, a z-score greater than |2| is unacceptable. Calculated as **Z = (Reported Value - Assigned Value) / Proficiency Std. Dev.**

Proficiency Std. Dev.: Standard deviation calculated based on **Evaluation Criteria.**

Study Mean: Statistical study mean calculated using a robust statistical model (RTC employs the 'Biweight Program'). Robust statistical techniques to minimize the influence that extreme results can have on estimates of the mean and standard deviation. NOTE - These techniques assign less weight to extreme results, rather than eliminate them from a data set.

Study Std. Dev.: Standard deviation calculated from study data using robust statisticals (Biweight).

Gravimetric Value: The 'prepared to' value, determined by gravimetric means. The uncertainty associated to this value is standard uncertainty and based on RTC's gravimetric tolerances.

Evaluation Criteria:

1 - Regression Equation - Acceptance windows based on TNI adopted equation of proficiency value +/- 3 proficiency standard deviations and check limits of proficiency value +/- 2 proficiency standard deviations. Proficiency value and proficiency standard deviation are calculated from gravimetric variables a, b, c, & d as proficiency value = a * gravimetric + b and proficiency standard deviation = c * gravimetric + d.

2 - Study Robust Mean and c,d regression - Acceptance windows based on TNI adopted equation of proficiency value +/- 3 proficiency standard deviations and check limits of proficiency value +/- 2 proficiency standard deviations. Proficiency value and proficiency standard deviation calculated from robust study mean and variables c & d as proficiency value = robust mean and proficiency standard deviation = c * proficiency value + d.

3 - Fixed Limits - Acceptance windows based on span of gravimetric percentage from gravimetric as gravimetric +/- gravimetric * percentage.

4 - Adjustable Fixed Limits - Acceptance windows base on a span of gravimetric percentage from gravimetric as gravimetric +/- gravimetric * lowPercentage where gravimetric < break and gravimetric +/-

gravimetric * highPercentage where gravimetric >= break.

5 - Study Statistics - Acceptance windows based on a number of standard deviations span from the study mean as study mean +/- (deviations * standard deviation).

6 - Log Transform Statistics - Acceptance windows based on lognormal distributed data. Acceptance windows = mean(lognormal) +/- span * standard deviation(lognormal).

7 - Reserved

8 - Regression Equation 2SD - Acceptance windows based on EPA equation of proficiency value +/- 2 proficiency standard deviations. Proficiency value and proficiency standard deviation are calculated from gravimetric variables a, b, c, & d as proficiency value = a * gravimetric + b and proficiency standard deviation = c * gravimetric + d. Generally reserved for drinking water studies.

Proficiency Test Item Preparation, Homogeneity and Stability Assessment - RTC uses proprietary and published methods for the manufacture, homogeneity and stability testing of proficiency test items. RTC's proficiency test materials meet requirements of ISO Guide 34. For more information contact RTC. Additionally RTC complies with TNI Volume 3 'General Requirements for Environmental Proficiency Test Providers', EL-V3-2009, 2009 for all TNI Fields of Proficiency Testing analytes.

Metrological Traceability - All preparations are made using balances calibrated annually traceable to NIST standards. Where appropriate analytical measurements are traceable through an unbroken chain to NIST standards, or a Certified Reference Material manufactured under ISO Guide 34 in conjunction with ISO/IEC 17025.

Statistical Analysis - RTC uses robust statistics to calculate study means and standard deviations - Reference - Kafadar, K, A Biweight Approach to the One-Sample Problem, Journal of the American Statistical Association, Vol. 77, No. 378, June, 1982, pp. 416-424.

Additional Information - Go to www.rt-corp.com/reporting for additional information on summary statistics for specific methods, advice on the interpretation of the statistical analysis, and additional comments/recommendations. If you failed an analyte it may be required to perform a corrective action and/or retest. RTC recommends that you contact your accreditation body for specific instruction.

Program analyte accrediting footnotes

¹ NELAC Compliant, covered by RTC's ANAB Proficiency Testing Provider accreditation, Cert. AP-1469

² ISO 17043 Accredited, covered by RTC's ANAB Proficiency Testing Provider accreditation, Cert AP-1469

Authorizing Officer:  _____

Date: 6/8/2016

Patrick Brumfield, ASQ CQA
QA Manager

This section of the report is for informational purposes only. If you are unsure about specific accreditation requirements, please contact your state coordinator.

UNACCEPTABLE ANALYTES

RTC Lab Code: **49670108**

PE1364-20ML

ANIONS - WS

Analytes	MethodNumber	MethodName
Nitrite as N ^{1,2}	10053200	EPA 300.0 2.1 (1993)
Orthophosphate as P ^{1,2}	10053200	EPA 300.0 2.1 (1993)

PE1358-1KT

Complete Volatiles Kit - WS

Analytes	MethodNumber	MethodName
Dibromomethane ^{1,2}	10088809	EPA 524.2 4.1 (1995)
Bromochloromethane ^{1,2}	10088809	EPA 524.2 4.1 (1995)

PE1456-2ML

TRIHALOMETHANES - WS

Analytes	MethodNumber	MethodName
Dibromochloromethane ^{1,2}	10088809	EPA 524.2 4.1 (1995)

MIC001-MPN

WS-Microbiological PT - MPN

Analytes	MethodNumber	MethodName
Coliforms, total - Sample 02 ^{1,2}	20211614	SM 9223 B (Colilert Quanti-Tray)-2004
E. Coli - Sample 02 ^{1,2}	20211614	SM 9223 B (Colilert Quanti-Tray)-2004

PASS RATE

Number of Reported Results:	194
Number of Passing Results:	187
Pass Rate:	96.39%