



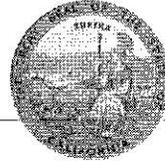
Drinking Water and Radiation Laboratory Branch

850 Marina Bay Parkway, Richmond, CA 94804
Phone: (510) 620-2911 Fax: (510) 620-2940

FINAL Analysis Results Report for Task ID. 14-0833

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0833-01	Sample ID: R 98505 Sample Type: Seawater	Time Collected: 12/15/2014 11:34	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	323 +/- 33.8	53.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0834

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0834-01	Sample ID: R 94794 Sample Type: Seawater	Time Collected: 12/15/2014 11:34	Sampling Point: SONGS A	
Tritium	EPA 906.0	3.08 +/- 164	281	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0835

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0835-01	Sample ID: R 94793 Sample Type: Seawater	Time Collected: 12/15/2014 11:48	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	298 +/- 46.2	85.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0836

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0836-01	Sample ID: R 94795 Sample Type: Seawater	Time Collected: 12/15/2014 11:48	Sampling Point: SONGS B	
Tritium	EPA 906.0	-25.6 +/- 163	281	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0837

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0837-01	Sample ID: R 94796 Sample Type: Seawater	Time Collected: 12/15/2014 11:41	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	341 +/- 48.1	73.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0838

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0838-01	Sample ID: R 94800 Sample Type: Seawater	Time Collected: 12/15/2014 11:41	Sampling Point: SONGS D	
Tritium	EPA 906.0	-104 +/- 162	281	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



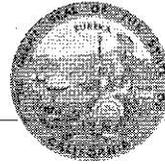
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FINAL Analysis Results Report for Task ID. 14-0839

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0839-01	Sample ID: R 98501 Sample Type: Seawater	Time Collected: 12/15/2014 11:05	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	362 +/- 36.1	59.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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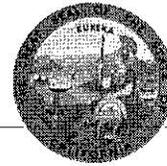
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FINAL Analysis Results Report for Task ID. 14-0841

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0841-01	Sample ID: R 98506 Sample Type: Seawater	Time Collected: 12/15/2014 11:05	Sampling Point: SONGS D	
Tritium	EPA 906.0	174 +/- 165	281	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0789

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0789-01	Sample ID: R 94785 Sample Type: Seawater	Time Collected: 11/19/2014 11:02	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	356 +/- 35.2	53.4	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



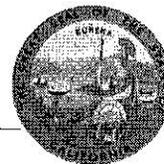
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FINAL Analysis Results Report for Task ID. 14-0790

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0790-01	Sample ID: R 94786 Sample Type: Seawater	Time Collected: 11/19/2014 11:02	Sampling Point: SONGS A	
Tritium	EPA 906.0	-44.1 +/- 143	248	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0791

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0791-01	Sample ID: R 94787 Sample Type: Seawater	Time Collected: 11/19/2014 11:19	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	359 +/- 49.0	85.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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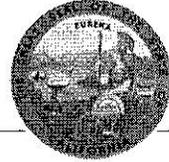
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FINAL Analysis Results Report for Task ID. 14-0792

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0792-01	Sample ID: R 94788 Sample Type: Seawater	Time Collected: 11/19/2014 11:19	Sampling Point: SONGS B	
Tritium	EPA 906.0	-82.5 +/- 142	248	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



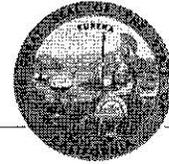
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FINAL Analysis Results Report for Task ID. 14-0794

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0794-01	Sample ID: R 94789 Sample Type: Seawater	Time Collected: 11/19/2014 11:12	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	350 +/- 48.8	73.4	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0795

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0795-01 Sample ID: R 94790 Sample Type: Seawater		Time Collected: 11/19/2014 11:12	Sampling Point: SONGS C	
Tritium	EPA 906.0	-44.1 +/- 143	248	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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FINAL Analysis Results Report for Task ID. 14-0796

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0796-01	Sample ID: R 94791 Sample Type: Seawater	Time Collected: 11/19/2014 9:05	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	384 +/- 37.0	60.1	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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FINAL Analysis Results Report for Task ID. 14-0797

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0797-01	Sample ID: R 94792 Sample Type: Seawater	Time Collected: 11/19/2014 9:05	Sampling Point: SIONGS D	
Tritium	EPA 906.0	-74.8 +/- 142	248	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0714

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0714-01	Sample ID: R 94738 Sample Type: Seawater	Time Collected: 10/15/2014 12:53	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	319 +/- 23.1	82.1	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0715

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0715-01	Sample ID: R 94739 Sample Type: Seawater	Time Collected: 10/15/2014 12:53	Sampling Point: SONGS B	
Tritium	EPA 906.0	-11.7 +/- 137	236	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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FINAL Analysis Results Report for Task ID. 14-0716

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0716-01	Sample ID: R 94740 Sample Type: Seawater	Time Collected: 10/15/2014 12:48	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	355 +/- 24.8	75.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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FINAL Analysis Results Report for Task ID. 14-0717

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0717-01	Sample ID: R 94741 Sample Type: Seawater	Time Collected: 10/15/2014 12:48	Sampling Point: SONGS C	
Tritium	EPA 906.0	29.3 +/- 138	236	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0712

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0712-01 Sample ID: R 94736 Sample Type: Seawater		Time Collected: 10/15/2014 12:41	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	342 +/- 17.3	53.1	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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FINAL Analysis Results Report for Task ID. 14-0713

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0713-01	Sample ID: R 94737 Sample Type: Seawater	Time Collected: 10/15/2014 12:41	Sampling Point: SONGS A A	
Tritium	EPA 906.0	101 +/- 140	236	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
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FINAL Analysis Results Report for Task ID. 14-0718

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0718-01	Sample ID: R 94742 Sample Type: Seawater	Time Collected: 10/15/2014 11:30	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	349 +/- 18.0	60.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0719

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0719-01	Sample ID: R 94743 Sample Type: Seawater	Time Collected: 10/15/2014 11:30	Sampling Point: SONGS D	
Tritium	EPA 906.0	42.9 +/- 139	236	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0646

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0646-01	Sample ID: R 94728 Sample Type: Seawater	Time Collected: 9/15/2014 11:55	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	332 +/- 17.1	53.6	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0647

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0647-01	Sample ID: R 94731 Sample Type: Seawater	Time Collected: 9/15/2014 11:55	Sampling Point: SONGS A	
Tritium	EPA 906.0	-98.8 +/- 151	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0648

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0648-01	Sample ID: R 94729 Sample Type: Seawater	Time Collected: 9/15/2014 12:15	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	321 +/- 23.2	82.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0649

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0649-01	Sample ID: R 94734 Sample Type: Seawater	Time Collected: 9/15/2014 12:15	Sampling Point: SONGS B	
Tritium	EPA 906.0	-111 +/- 151	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0650

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0650-01	Sample ID: R 94733 Sample Type: Seawater	Time Collected: 9/15/2014 12:06	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	323 +/- 23.5	73.6	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0651

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0651-01	Sample ID: R 94732 Sample Type: Seawater	Time Collected: 9/15/2014 12:06	Sampling Point: SONGS C	
Tritium	EPA 906.0	27.7 +/- 155	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0652

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0652-01	Sample ID: R 94730 Sample Type: Seawater	Time Collected: 9/15/2014 11:00	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	320 +/- 17.6	61.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0653

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0653-01	Sample ID: R 94735 Sample Type: Seawater	Time Collected: 9/15/2014 11:00	Sampling Point: SONGS D	
Tritium	EPA 906.0	-50.7 +/- 153	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0579

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0579-01	Sample ID: R 94647 Sample Type: Seawater	Time Collected: 8/18/2014 11:20	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	351 +/- 17.6	53.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0580

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0580-01	Sample ID: R 94660 Sample Type: Seawater	Time Collected: 8/18/2014 11:20	Sampling Point: SONGS A	
Tritium	EPA 906.0	-64.3 +/- 152	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0581

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0581-01	Sample ID: R 94661 Sample Type: Seawater	Time Collected: 8/18/2014 11:53	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	321 +/- 23.2	82.4	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0582

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0582-01	Sample ID: R 94662 Sample Type: Seawater	Time Collected: 8/18/2014 11:53	Sampling Point: SONGS B	
Tritium	EPA 906.0	-17.3 +/- 154	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0583

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0583-01 Sample ID: R 94683 Sample Type: Seawater		Time Collected: 8/18/2014 11:47	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	337 +/- 24.1	74.6	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0584

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0584-01 Sample ID: R 94684 Sample Type: Seawater		Time Collected: 8/18/2014 11:47	Sampling Point: SONGS C	
Tritium	EPA 906.0	29.8 +/- 155	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0585

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0585-01	Sample ID: R 94685 Sample Type: Seawater	Time Collected: 8/18/2014 10:47	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	320 +/- 16.4	45.8	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0586

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0586-01	Sample ID: R 94686 Sample Type: Seawater	Time Collected: 8/18/2014 10:47	Sampling Point: SONGS D	
Tritium	EPA 906.0	-49.7 +/- 153	265	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0511

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0511-01	Sample ID: R 94646 Sample Type: Seawater	Time Collected: 7/16/2014 11:46	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	368 +/- 25.0	73.5	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0512

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0512-01	Sample ID: R 94648 Sample Type: Seawater	Time Collected: 7/16/2014 11:46	Sampling Point: SONGS A	
Tritium	EPA 906.0	4.21 +/- 150	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0513

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0513-01	Sample ID: R 94649 Sample Type: Seawater	Time Collected: 7/16/2014 12:01	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	357 +/- 18.3	61.6	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0514

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0514-01	Sample ID: R 94650 Sample Type: Seawater	Time Collected: 7/16/2014 12:01	Sampling Point: SONGS B	
Tritium	EPA 906.0	-25.3 +/- 149	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0515

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0515-01 Sample ID: R 94652 Sample Type: Seawater		Time Collected: 7/16/2014 11:55	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	311 +/- 16.7	53.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0516

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0516-01	Sample ID: R 94653 Sample Type: Seawater	Time Collected: 7/16/2014 11:55	Sampling Point: SONGS C	
Tritium	EPA 906.0	2.11 +/- 150	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0517

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0517-01	Sample ID: R 94654 Sample Type: Seawater	Time Collected: 7/16/2014 12:50	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	329 +/- 18.0	62.8	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0518

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0518-01	Sample ID: R 94655 Sample Type: Seawater	Time Collected: 7/16/2014 12:50	Sampling Point: SONGS D	
Tritium	EPA 906.0	-118 +/- 147	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0406

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0406-01	Sample ID: R 94536 Sample Type: Seawater	Time Collected: 6/16/2014 11:16	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	333 +/- 17.3	54.3	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0407

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0407-01	Sample ID: R 94537 Sample Type: Seawater	Time Collected: 6/16/2014 11:16	Sampling Point: SONGS A	
Tritium	EPA 906.0	33.7 +/- 151	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0408

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0408-01	Sample ID: R 94538 Sample Type: Seawater	Time Collected: 6/16/2014 11:29	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	330 +/- 23.6	72.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0409

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0409-01	Sample ID: R 94590 Sample Type: Seawater	Time Collected: 6/16/2014 11:29	Sampling Point: SONGS B	
Tritium	EPA 906.0	-46.3 +/- 149	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0410

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0410-01	Sample ID: R 94591 Sample Type: Seawater	Time Collected: 6/16/2014 11:22	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	366 +/- 18.0	59.1	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0411

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0411-01	Sample ID: R 94592 Sample Type: Seawater	Time Collected: 6/16/2014 11:22	Sampling Point: SONGS C	
Tritium	EPA 906.0	-67.4 +/- 148	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0412

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0412-01	Sample ID: R 94593 Sample Type: Seawater	Time Collected: 6/16/2014 11:55	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	318 +/- 17.1	51.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0413

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0413-01	Sample ID: R 94594 Sample Type: Seawater	Time Collected: 6/16/2014 11:55	Sampling Point: SONGS D	
Tritium	EPA 906.0	-44.2 +/- 149	258	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0335

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0335-01	Sample ID: R 94527 Sample Type: Seawater	Time Collected: 5/15/2014 10:12	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	368 +/- 17.9	53.6	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0336

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0336-01	Sample ID: R 94528 Sample Type: Seawater	Time Collected: 5/15/2014 10:12	Sampling Point: SONGS A	
Tritium	EPA 906.0	-78.7 +/- 148.3	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0337

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0337-01	Sample ID: R 94529 Sample Type: Seawater	Time Collected: 5/15/2014 7:15	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	374 +/- 25.3	74.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0338

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0338-01	Sample ID: R 94530 Sample Type: Seawater	Time Collected: 5/15/2014 7:15	Sampling Point: SONGS B	
Tritium	EPA 906.0	14.9 +/- 150	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0339

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0339-01	Sample ID: R 94531 Sample Type: Seawater	Time Collected: 5/15/2014 8:30	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	375 +/- 18.6	61.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0340

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0340-01	Sample ID: R 94532 Sample Type: Seawater	Time Collected: 5/15/2014 8:30	Sampling Point: SONGS C	
Tritium	EPA 906.0	-63.8 +/- 149	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0341

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0341-01 Sample ID: R 94533 Sample Type: Seawater		Time Collected: 5/15/2014 11:55	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	342 +/- 18.4	56.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0342

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0342-01	Sample ID: R 94534	Time Collected: 5/15/2014 11:55	Sampling Point: SONGS D	
	Sample Type: Surface Water			
Tritium	EPA 906.0	-12.8 +/- 150.1	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0264

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0264-01	Sample ID: R 94433 Sample Type: Seawater	Time Collected: 4/15/2014 16:02	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	292 +/- 16.2	53.1	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0265

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0265-01	Sample ID: R 94434 Sample Type: Seawater	Time Collected: 4/15/2014 16:02	Sampling Point: SONGS A	
Tritium	EPA 906.0	-63.8 +/- 149	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0266

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0266-01	Sample ID: R 94435 Sample Type: Seawater	Time Collected: 4/15/2014 16:25	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	302 +/- 22.7	82.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0267

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0267-01	Sample ID: R 94436 Sample Type: Seawater	Time Collected: 4/15/2014 16:25	Sampling Point: SONGS B	
Tritium	EPA 906.0	-34.0 +/- 149.6	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0268

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0268-01	Sample ID: R 94437 Sample Type: Seawater	Time Collected: 4/15/2014 16:14	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	318 +/- 23.2	73.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0269

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0269-01 Sample ID: R 94439 Sample Type: Seawater		Time Collected: 4/15/2014 16:14	Sampling Point: SONGS C	
Tritium	EPA 906.0	-83.0 +/- 148.2	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0270

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0270-01	Sample ID: R 94438 Sample Type: Seawater	Time Collected: 4/15/2014 11:35	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	324 +/- 17.6	61.0	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0271

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0271-01 Sample ID: R 94440 Sample Type: Seawater		Time Collected: 4/15/2014 11:35	Sampling Point: SONGS D	
Tritium	EPA 906.0	-4.26 +/- 150	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0172

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0172-01	Sample ID: R 94397 Sample Type: Seawater	Time Collected: 3/17/2014 10:20	Sampling Point: SONGS A	
Potassium-40	EPA 901.1	346 +/- 17.7	59.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0173

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0173-01	Sample ID: R 94398 Sample Type: Seawater	Time Collected: 3/17/2014 10:20	Sampling Point: SONGS A	
Tritium	EPA 906.0	-59.6 +/- 149	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0174

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0174-01	Sample ID: R 94399 Sample Type: Seawater	Time Collected: 3/17/2014 10:37	Sampling Point: SONGS B	
Potassium-40	EPA 901.1	364 +/- 18.0	58.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0175

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0175-01	Sample ID: R 94400 Sample Type: Seawater	Time Collected: 3/17/2014 10:37	Sampling Point: SONGS B	
Tritium	EPA 906.0	-8.51 +/- 150	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0176

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0176-01	Sample ID: R 94422 Sample Type: Seawater	Time Collected: 3/17/2014 10:29	Sampling Point: SONGS C	
Potassium-40	EPA 901.1	342 +/- 17.7	59.8	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0177

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0177-01	Sample ID: R 94423 Sample Type: Seawater	Time Collected: 3/17/2014 10:29	Sampling Point: SONGS C	
Tritium	EPA 906.0	-48.9 +/- 148	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0178

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0178-01	Sample ID: R 94424 Sample Type: Seawater	Time Collected: 3/17/2014 10:55	Sampling Point: SONGS D	
Potassium-40	EPA 901.1	321 +/- 17.5	60.5	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0179

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0179-01	Sample ID: R 94425 Sample Type: Seawater	Time Collected: 3/17/2014 10:55	Sampling Point: SONGS D	
Tritium	EPA 906.0	-55.3 +/- 149	259	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0104

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0104-01	Sample ID: R 94381 Sample Type: Seawater	Time Collected: 2/18/2014 11:16	Sampling Point: Songs A	
Tritium	EPA 906.0	-159 +/- 167	292	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0105

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0105-01	Sample ID: R 94382 Sample Type: Seawater	Time Collected: 2/18/2014 11:31	Sampling Point: Songs B	
Potassium-40	EPA 901.1	321 +/- 21.7	80.1	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0106

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0106-01	Sample ID: R 94383 Sample Type: Seawater	Time Collected: 2/18/2014 11:31	Sampling Point: Songs B	
Tritium	EPA 906.0	-88.4 +/- 168	292	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0107

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0107-01	Sample ID: R 94384 Sample Type: Seawater	Time Collected: 2/18/2014 11:24	Sampling Point: Songs C	
Potassium-40	EPA 901.1	312 +/- 20.2	76.9	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0108

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0108-01	Sample ID: R 94385	Time Collected: 2/18/2014 11:24	Sampling Point: Songs C	
	Sample Type: Seawater			
Tritium	EPA 906.0	-155 +/- 167	292	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0109

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0109-01	Sample ID: R 94386 Sample Type: Seawater	Time Collected: 2/18/2014 10:57	Sampling Point: Songs D	
Potassium-40	EPA 901.1	345 +/- 17.7	59.4	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0110

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0110-01	Sample ID: R 94387 Sample Type: Seawater	Time Collected: 2/18/2014 10:57	Sampling Point: Songs D	
Tritium	EPA 906.0	171 +/- 154	264	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0037

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0037-01	Sample ID: R 94284 Sample Type: Seawater	Time Collected: 1/16/2014 11:57	Sampling Point: SONGS A	
K-40	EPA 901.1	364 +/- 17.4	56.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0038

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0038-01	Sample ID: R 94285 Sample Type: Seawater	Time Collected: 1/16/2014 11:57	Sampling Point: SONGS A	
Tritium	EPA 906.0	-108 +/- 76.8	141	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0039

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0039-01	Sample ID: R 94286 Sample Type: Seawater	Time Collected: 1/16/2014 12:10	Sampling Point: SONGS B	
K-40	EPA 901.1	338 +/- 20.8	78.0	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where S_b is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0040

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0040-01	Sample ID: R 94287 Sample Type: Seawater	Time Collected: 1/16/2014 12:10	Sampling Point: SONGS B	
Tritium	EPA 906.0	-138 +/- 75.4	141	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0041

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0041-01	Sample ID: R 94288 Sample Type: Seawater	Time Collected: 1/16/2014 12:04	Sampling Point: SONGS C	
K-40	EPA 901.1	332 +/- 17.6	60.2	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0042

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0042-01 Sample ID: R 94289 Time Collected: 1/16/2014 12:04 Sampling Point: SONGS C Sample Type: Seawater				
Tritium	EPA 906.0	-138 +/- 75.4	141	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radio-nuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the aquare root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0043

Parameter	Method	Result +/- CE	MDA 95	Units
Lab No: 14-0043-01 Sample ID: R 94290 Sample Type: Seawater		Time Collected: 1/16/2014 9:47	Sampling Point: SONGS D	
K-40	EPA 901.1	380 +/- 17.5	55.7	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA95 is the sample specific minimum detectable activity at the 95% confidence level which is the LLD95 divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD95 is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.



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FINAL Analysis Results Report for Task ID. 14-0044

Parameter	Method	Result +/- CE	MDA ₉₅	Units
Lab No: 14-0044-01	Sample ID: R 94291 Sample Type: Seawater	Time Collected: 1/16/2014 9:47	Sampling Point: SONGS D	
Tritium	EPA 906.0	-112 +/- 76.6	141	pCi/L

- (1) Precision criteria for these method were determined to be acceptable.
- (2) CE is the counting error at the 95% confidence level as defined in Prescribed Procedures for Measurement of Radioactivity in Drinking Water, EPA-600/4-80-032, August 1980.
- (3) MDA₉₅ is the sample specific minimum detectable activity at the 95% confidence level which is the LLD₉₅ divided by 2.22, the efficiency, and the yield, and may include factors for abundance, decay, and ingrowth, dependent on the particular radionuclide. LLD₉₅ is defined in section 7010G, Standard Methods for the Examination of Water and Wastewater, American Water Works Association, 21st Ed., 2005, where Sb is the square root of the instrument background count rate.