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Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
IndianaMichiganPower.com

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Docket Nos. 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

In accordance with Technical Specification 5.6.2, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant Units 1 and 2, is providing the Annual Radiological Environmental Operating Report as an enclosure to this letter. This report covers the period of January 1, 2018, through December 31, 2018.

This letter contains no new regulatory commitments. Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Director, at (269) 466-2649.

Sincerely,

Quinton S. Lies

Q. Shane Lies
Site Vice President

MDS/mll

Enclosure: Annual Radiological Environmental Operating Report

c: R. J. Ancona – MPSC
R. F. Kuntz – NRC, Washington D.C.
MDEQ – RMD/RPS
NRC Resident Inspector
D. J. Roberts – NRC, Region III
A. J. Williamson – Ft. Wayne AEP, w/o enclosure

IE25
NRR

Enclosure to AEP-NRC-2019-16

Annual Radiological Environmental Operating Report

Annual Radiological Environmental Operating Report

Indiana Michigan Power Company
Donald C. Cook Nuclear Plant

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

January 1, 2018 – December 31, 2018

Docket No. 50-315, 50-316
License No. DPR-58, DPR-74

Framatome Doc. 103-3757-000

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1.0 EXECUTIVE SUMMARY

Implementation of the Donald C. Cook Nuclear Plant (CNP) Radiological Environmental Monitoring Program (REMP) continued during the period January through December 2018, in accordance with station Technical Specifications and the Off-Site Dose Calculation Manual (ODCM).

Radiochemical and radiometric analyses of REMP samples were performed to allow for detection and quantification of station-related radioactivity. A variety of potential exposure pathways were monitored by analyzing air, fruit, vegetation, water, fish and sediment samples. Thermoluminescent dosimeters (TLDs) were also utilized to monitor for gamma radiation exposure that might be attributed to plant activities.

Evaluation of sample analysis results considered the variability of natural or man-made radioactivity sources including their distribution and uptake in the environmental media. This variability depends on several possible factors such as:

- contributions from cosmogenic radioactivity,
- groundwater dynamics,
- station related release rates,
- past spatial variability of radioactive fallout from nuclear weapons tests, other nuclear events (e.g. Fukushima, Chernobyl), and the on-going redistribution of this fallout,
- soil characteristics,
- farming practices, and
- feed type.

Since these factors had the potential to cause considerable variation in sample analysis results, they were considered during the evaluation of sample analysis results.

Based on an evaluation of sample analysis results, it was determined that non-tritium radioactivity detected by the REMP was from outside sources, such as fallout from nuclear weapons tests, external nuclear events and naturally occurring radionuclides. For a list of naturally occurring radionuclides and radionuclides analyzed, see Table 3.0. Examples include the following:

- All four of the lake sediment samples contained Potassium-40 (K-40) and Thorium-228 (Th-228), and one sample contained Actinium-228 (Ac-228).
- K-40 was detected in all four REMP fish samples and a trace level of Cesium-137 (Cs-137) was observed in one indicator station sample. Of the five non-REMP sport fish samples, five detected K-40 and two detected trace levels of Cs-137.
- Both indicator and control food products samples contained K-40. All samples of broadleaf vegetation contained Beryllium- 7 (Be-7) and K-40.

- Five of 142 water samples (drinking, ground, and surface) indicated the presence of K-40. Three samples also detected the presence of Th-228. Tritium was not detected in any of the 84 quarterly water samples.
- All air particulate samples for all quarterly composites contained Be-7.

No sample analysis results exceeded or approached specified reporting levels.

This report was prepared for Indiana Michigan Power Company by Framatome Inc. Sample collection and preparation was performed by CNP. Laboratory analyses were performed by GEL Laboratories LLC (GEL). TLD analyses were performed by Environmental Dosimetry Company.

2.0 INTRODUCTION

2.1 General Plant Site Information

Indiana Michigan Power Company's CNP is located on the southeastern shore of Lake Michigan approximately one mile north of Bridgman, Michigan. The site consists of two pressurized water reactors: Unit 1, 1084 MWe (Net Design Electrical Rating) and Unit 2, 1194 MWe (Net Design Electrical Rating). Unit 1 achieved initial criticality on January 18, 1975, and Unit 2 on March 10, 1978.

The Independent Spent Fuel Storage Installation (ISFSI) impacts are included with Unit 1 and Unit 2 statistics. The ISFSI cask system does not create any radioactive materials or have any radioactive waste treatment systems. Therefore, specific operating procedures for the control of radioactive effluents are not required. Certificate of Compliance No. 1014 Appendix A, Specification 3.1.1, Multi-Purpose Canister (MPC), provides assurance that there are no radioactive effluents from the ISFSI.

2.2 Program Design

The REMP for CNP was designed with specific objectives:

- To provide an early indication of the appearance or accumulation of radioactive material in the environment possibly caused by CNP activities.
- To provide assurance to regulatory agencies and the public that the environmental/dose impact of the CNP operation is known and within anticipated limits.
- To verify the adequacy and proper functioning of station effluent controls and monitoring systems.
- To comply with regulatory requirements and station Technical Specifications and provide records to document compliance.

The program was developed to meet the intent of Nuclear Regulatory Commission (NRC) Regulatory Guide 4.1 (Revision 1), "Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants"; NRC Regulatory Guide 4.8, "Environmental Technical Specifications for Nuclear Power Plants"; the NRC Branch Technical Position of November 1979, "An Acceptable Radiological

Environmental Monitoring Program"; and NRC NUREG-0472, "Standard Radiological Effluent Technical Specifications for Pressurized Water Reactors."

The REMP sampling requirements are given in Attachment 3.19, "Radiological Environmental Monitoring Program Sample Stations, Sample Types, Sample Frequencies," of the ODCM and summarized in Table 2.1 of this report. The identification of the required sampling locations is also provided in Attachment 3.19 of the ODCM and Table 2.2 of this report. The monitoring locations are shown graphically in Figures 2.1 – 2.3.

2.3 Monitoring Zones

The REMP is designed to allow comparison of levels of radioactivity in samples from the area potentially influenced by the plant to levels found in areas not influenced by the plant. Generally, monitoring zones are designated as "indicator" or "control" locations. For a particular pathway, the distinction between these designations is based on relative direction and distance from the plant. Sample analysis data from the two zones is evaluated and used to differentiate between radiation due to plant activities and that due to other sources (examples: nuclear weapons test fallout, external nuclear events, medical related tests and seasonal background variations).

2.4 Pathways Monitored

Four pathway categories (airborne, waterborne, ingestion, and direct radiation) were monitored by the REMP. Each of these categories was monitored by the collection of one or more sample types listed and described below.

Airborne Pathway:	Air
Waterborne Pathway:	Surface Water Groundwater Drinking Water Sediment
Ingestion Pathway:	Milk (if available) Fish Food Product (Fruit and Broadleaf Vegetation) Broadleaf Vegetation (in lieu of milk and garden census, when necessary)
Direct Radiation:	TLD Monitoring

2.5 Descriptions of Monitoring Pathways

Sample types and frequency of analysis are given in Table 2.1. The sample locations are listed in Table 2.2 and shown in Figures 2.1 – 2.3. The program as described in this report includes both ODCM required and additional or informational samples. A description of the ODCM sampling program follows, and a detailed summary of the analytical methodologies employed by GEL Laboratories is provided in Appendix A.

2.5.1 Air

Air samplers were installed at ten locations as required by the ODCM. These samplers operated continuously (except during weekly sample media replacement) within the specified sample flow rate range of 42 to 70 liters per minute (LPM). An Automatic Volume Totalizer was used to measure the total volume of air sampled, total unit run time and volumetric flow rate.

Airborne particulates were collected by passing air through a 47-mm particulate filter. Charcoal cartridges were installed downstream of the particulate filters and were used to collect airborne radioiodine. Both types of sample media were collected weekly, and to allow for the decay of radon daughter products, the particulate filters were held at least 100 hours before being analyzed for gross-beta radioactivity.

The particulate filters were composited by location as part of the quarterly gamma spectroscopy analysis.

2.5.2 Surface Water

Two 500-ml surface water samples were collected from shoreline locations approximately 500 feet north and south of the plant centerline. Samples were composited daily, and the gamma aliquot was preserved with nitric acid. A gamma isotopic analysis was performed on a monthly composite from each sample point. A tritium analysis was performed on a quarterly composite from each sample point.

2.5.3 Groundwater

Groundwater samples were collected quarterly from 17 wells, all within 4300 feet of the reactors. At each well, a static water elevation was determined and at least three well bore volumes were purged from the well using a groundwater pump or equivalent. Two 1-liter and two 125-ml samples were then collected and the gamma isotopic aliquot was preserved with nitric acid. Gamma isotopic and tritium analyses were performed.

2.5.4 Drinking Water

One-liter samples were collected daily at the intake of the water purification plants for St. Joseph and Lake Township. The daily samples were composited over 14 days and the gamma isotopic/gross beta aliquot was preserved with nitric acid. The 14-day composite samples were analyzed for gross beta, gamma isotopic and low level Iodine (I-131). A quarterly composite was analyzed for Tritium (H-3).

2.5.5 Sediment

Lake Michigan shoreline sediment samples were collected semi-annually approximately 500 feet north and south of the plant centerline. A one-liter sample was collected from an area covered part time by wave action at

each location. The sediment samples were analyzed for gamma isotopic content.

2.5.6 Milk

Due to the retirement of several milk farms, the required number of indicator milk locations was not met in 2018. The milk sampling program has been considered suspended since 2010. Environmental personnel implemented broadleaf vegetation collection per the ODCM during the growing season as a result of not meeting the required number of milk indicator farms.

2.5.7 Fish

Approximately four pounds of fish were collected once this year from four locations using gill nets in Lake Michigan (the scheduled second collection was cancelled due to environmental conditions). The edible portions of the fish were analyzed for gamma-emitting radionuclides.

In addition to the ODCM required bi-annual fish samples, a once-a-year sampling for fish species important to sport fishing in Lake Michigan (trout, salmon and perch) was initiated in 2011 and continued through 2018. A second sampling of sport fish species was performed in the third quarter. The same analysis is performed for the sport fish samples as that performed for the original REMP fish samples.

2.5.8 Food Product

Five food product samples were collected annually at the time of harvest. Samples consist of greater than 300 grams of media and were collected from the highest deposition factor land sectors near CNP, with media present, and at an approximate distance of 20 miles from the plant in one of the less prevalent deposition factor land sectors. Samples were analyzed for gamma-emitting radionuclides.

2.5.9 Broadleaf Vegetation

Broadleaf vegetation sampling in lieu of milk collection was reinstated on December 16, 2004, and continued through 2018 during the growing season (June – October, when available). Three samples consisting of greater than 300 grams of media were collected monthly during the growing season from two different sectors within 5 miles of the plant in the highest deposition factor land sectors with media present, and one sample of similar vegetation grown 10-20 miles from the plant in one of the less prevalent deposition factor land sectors. Samples were analyzed for gamma-emitting radionuclides and low level I-131.

2.5.10 TLD Monitoring

Direct gamma radiation exposure was continuously monitored with the use of Panasonic UD-814 AS4 TLDs. TLDs were posted at 27 locations in the environs surrounding CNP and replaced quarterly.

2.5.11 Additional Groundwater Sample Analysis (non-ODCM required)

During 2018, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations and analyzed for gamma and tritium by GEL laboratories. They may also be analyzed for gross beta and gross alpha.

2.5.12 Additional Groundwater Sample Analysis (NEI Groundwater Protection Initiative (GPI))

During 2018, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations and analyzed for tritium by CNP.

The full discussion of the GPI sample data and analysis is contained in Appendix F.

Table 2.1

Sampling Frequency & Type of Analysis
Based on ODCM, Rev. 25, Attachment 3.19 and
12-THP-6010-RPP-636 Rev. 5

	Exposure Pathway and/or Sample	Number of Locations	Sampling & Collection Frequency	Type of Analysis
1.	Gamma Exposure–Environmental TLD	27	Quarterly	Direct Radiation - Quarterly
2.	Airborne	10	Continuous sampler – weekly filter change	Gross Beta and I-131 - Weekly Gamma Isotopic - Quarterly on composite (by location)
3.	Groundwater (Well Water)	17	Quarterly	Gamma Isotopic and Tritium – Quarterly
4.	Surface Water	2	Once per calendar day	Gamma Isotopic - Monthly on composite Tritium - Quarterly on composite
5.	Drinking Water	2	Once per calendar day	Gamma Isotopic, Gross Beta and I-131 Low Level (LL) - on 14 day composite. Tritium - Quarterly on composite
6.	Sediment Lake	2	Semiannually	Gamma Isotopic
7.	Milk (if available)	4	Once every 15 days or Monthly if animals are fed stored feed.	Gamma Isotopic and I-131 Low Level (LL) – per sample
8.	Fish (edible portion)	4	2 per year	Gamma Isotopic - per sample
9.	Fish (edible portion)	2	1 per year	Gamma Isotopic – per sample
10.	Food Products-Grape	2	At time of harvest	Gamma Isotopic - per sample
11.	Broadleaf Vegetation – (in lieu of milk sampling)	3	Monthly when available	Gamma Isotopic and I-131 Low Level (LL) – per sample

Table 2.2

2018 Radiological Environmental Monitoring Program Sampling Types and Locations

Exposure Pathway (Sample Type Designation)	Sample Station	Indicator/ Control	Location Description
Airborne			
a. Filter (AP / CF)	ONS-1	I	1945 feet @ 18° from Plant axis
	ONS-2	I	2338 feet @ 48° from Plant axis
	ONS-3	I	2407 feet @ 90° from Plant axis
	ONS-4	I	1852 feet @ 118° from Plant axis
	ONS-5	I	1895 feet @ 189° from Plant axis
	ONS-6	I	1917 feet @ 210° from Plant axis
	NBF	C	15.6 miles SSW - New Buffalo, MI
	SBN	C	26.2 miles SE - South Bend, IN
	DOW	C	24.3 miles ENE - Dowagiac, MI
	COL	C	18.9 miles NNE - Coloma, MI
Waterborne			
a. Ground Well (WG)	W-1	I	1969 feet @ 11° from Plant axis
	W-2	I	2302 feet @ 63° from Plant axis
	W-3	I	3279 feet @ 107° from Plant axis
	W-4	I	418 feet @ 301° from Plant axis
	W-5	I	404 feet @ 290° from Plant axis
	W-6	I	424 feet @ 273° from Plant axis
	W-7	I	1895 feet @ 189° from Plant axis
	W-8	I	1274 feet @ 54° from Plant axis
	W-9	I	1447 feet @ 22° from Plant axis
	W-10	I	4216 feet @ 129° from Plant axis
	W-11	I	3206 feet @ 153° from Plant axis
	W-12	I	2631 feet @ 162° from Plant axis
	W-13	I	2152 feet @ 182° from Plant axis
	W-14	I	1780 feet @ 164° from Plant axis
	W-15 (MW-12c)	I	725 feet @ 202 ° from Plant axis
	W-16 (MW-20)	I	2200 feet @ 208 ° from Plant axis
	W-17 (MW-21)	I	2200 feet @ 180 ° from Plant axis
b. Drinking (WD)	STJ	C	9 miles NE - St. Joseph Public Intake Station
	LTW	I	0.6 mile S - Lake Twp. Public Intake Station

Exposure Pathway (Sample Type Designation)	Sample Station	Indicator/ Control	Location Description
c. Surface (WS)	SWL-2	I	~500 feet S of Plant Centerline – Site Boundary
	SWL-3	I	~500 feet N of Plant Centerline – Site Boundary
d. Sediment (SE)	SL-2	I	~500 feet S of Plant Centerline – Site Boundary
	SL-3	I	~500 feet N of Plant Centerline – Site Boundary
Ingestion			
a. Milk (TM)	None	I	None available
	None	I	None available
	None	I	None available
	None	C	None available
b. Fish (FH)	ONS-N	I	0.3 mile N, Lake Michigan
	ONS-S	I	0.4 mile S, Lake Michigan
	TRT/SLM*	I	Trout and salmon within 20 miles of CNP, Lake Michigan
	PRCH*	I	Perch within 10 miles of CNP, Lake Michigan
	OFS-N	C	3.5 miles N, Lake Michigan
	OFS-S	C	5.0 miles S, Lake Michigan
c. Food Products (TF) **	ONS-G	I	Nearest samples to Plant in the highest D/Q land sector containing media.
	OFS-G	C	In a land sector containing media, ~20 miles from the Plant, in one of the less prevalent D/Q land Sectors
d. Vegetation (TV) [broadleaf vegetation taken in lieu of milk or garden census] **	ONS1-V	I	3 samples of different kinds of broadleaf vegetation collected at the site boundary, within 5 mi. of the plant, in each of two different sectors with the highest annual average D/Q containing media.
	ONS2-V	I	
	ONS3-V	I	
	ONS4-V	I	
	ONS5-V	I	
	OFS1-V	C	1 background sample of similar vegetation grown 10-20 miles distant in one of the less prevalent wind directions.
	OFS2-V	C	

* Samples not listed in ODCM Attachment 3.19
** See Figures 2.1, 2.2, and 2.3 for exact locations for 2018

Table 2.2
2018 Radiological Environmental Monitoring Program
Sampling Types and Locations
(Continued)

Exposure Pathway (Sample Type Designation)	Sample Station	Location Description
Direct Radiation		
a. TLD	T-1	1945 feet @ 18° from Plant axis
	T-2	2338 feet @ 48° from Plant axis
	T-3	2407 feet @ 90° from Plant axis
	T-4	1852 feet @ 118° from Plant axis
	T-5	1895 feet @ 189° from Plant axis
	T-6	1917 feet @ 210° from Plant axis
	T-7	2103 feet @ 36° from Plant axis
	T-8	2208 feet @ 82° from Plant axis
	T-9	1368 feet @ 149° from Plant axis
	T-10	1390 feet @ 127° from Plant axis
	T-11	1969 feet @ 11° from Plant axis
	T-12	2292 feet @ 63° from Plant axis
	NBF	15.6 miles SSW - New Buffalo, MI
	SBN	26.2 miles SE - South Bend, IN
	DOW	24.3 miles ENE - Dowagiac, MI
	COL	18.9 miles NNE - Coloma, MI
	OFT-1	4.5 miles NE - Pole #B294-44
	OFT-2	3.6 miles NE - Stevensville Substation
	OFT-3	5.1 miles NE - Pole #B296-13
	OFT-4	4.1 miles E - Pole #B350-72
	OFT-5	4.2 miles ESE - Pole #B387-32
	OFT-6	4.9 miles SE - Pole #B426-1
	OFT-7	2.5 miles S - Bridgman Substation
	OFT-8	4.0 miles S - Pole #B424-20
	OFT-9	4.4 miles ESE - Pole #B369-214
	OFT-10	3.8 miles S - Pole #B422-99
	OFT-11	3.8 miles S - Pole #B423-12

Table 2.3

Environmental Lower Limit of Detection (LLD) Sensitivity Requirements. ODCM, Rev. 25, Attachment 3.20

Analysis	Food Prod. (pCi/kg, wet)	Water (pCi/L)	Milk (pCi/L)	Air Filter (pCi/m^3)	Fish (pCi/kg, wet)	Sediment (pCi/kg, dry)
Gross Beta		4		0.01		
H-3		2000				
Mn-54		15			130	
Co-58		15			130	
Co-60		15			130	
Fe-59		30			260	
Zn-65		30			260	
Zr-95		30				
Nb-95		15				
I-131	60	1	1	0.07		
Cs-134	60	15	15	0.06	130	150
Cs-137	60	18	18	0.06	150	180
Ba-140		60	60			
La-140		15	15			

Table 2.4

Reporting Levels for Radioactivity Concentrations in Environmental Samples.
ODCM Rev. 25, Attachment 3.21

Analysis	Food Prod. (pCi/kg, wet)	Water (pCi/L)	Milk (pCi/L)	Airborne Filter (pCi/m^3)	Fish (pCi/kg, wet)
H-3		20000			
Mn-54		1000			30000
Co-58		1000			30000
Co-60		300			10000
Fe-59		400			10000
Zn-65		300			20000
Zr-95		400			
Nb-95		400			
I-131	100	2	3	0.90	
Cs-134	1000	30	60	10	1000
Cs-137	2000	50	70	20	2000
Ba-140		200	300		
La-140		200	300		

Figure 2.1

Donald C. Cook Nuclear Plant Sampling Locations - 1 Mile Radius (See Table 2.2 for information on sampling locations)

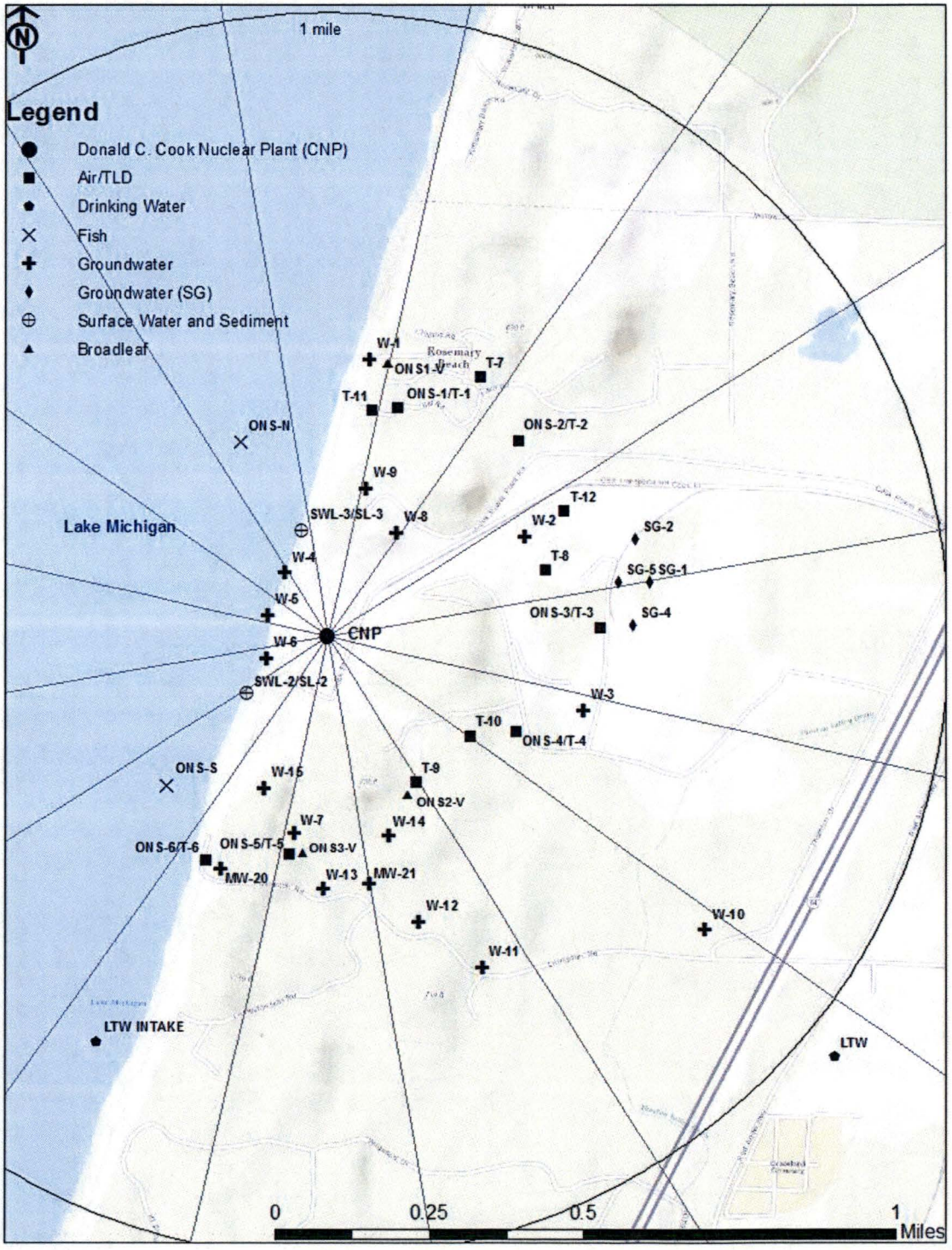


Figure 2.2

Donald C. Cook Nuclear Plant Sampling Locations - 10 Mile Radius
(See Table 2.2 for information on sampling locations)

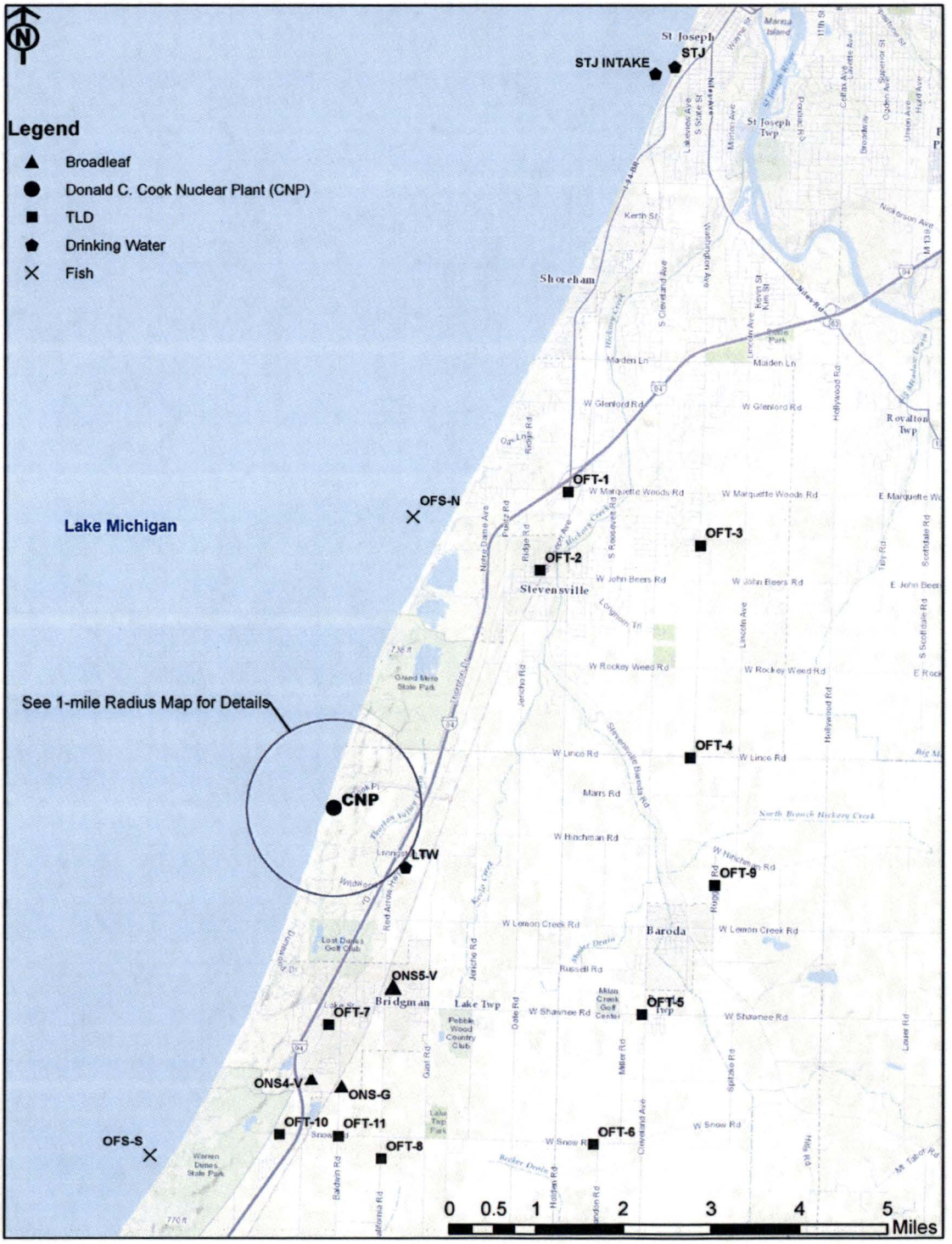
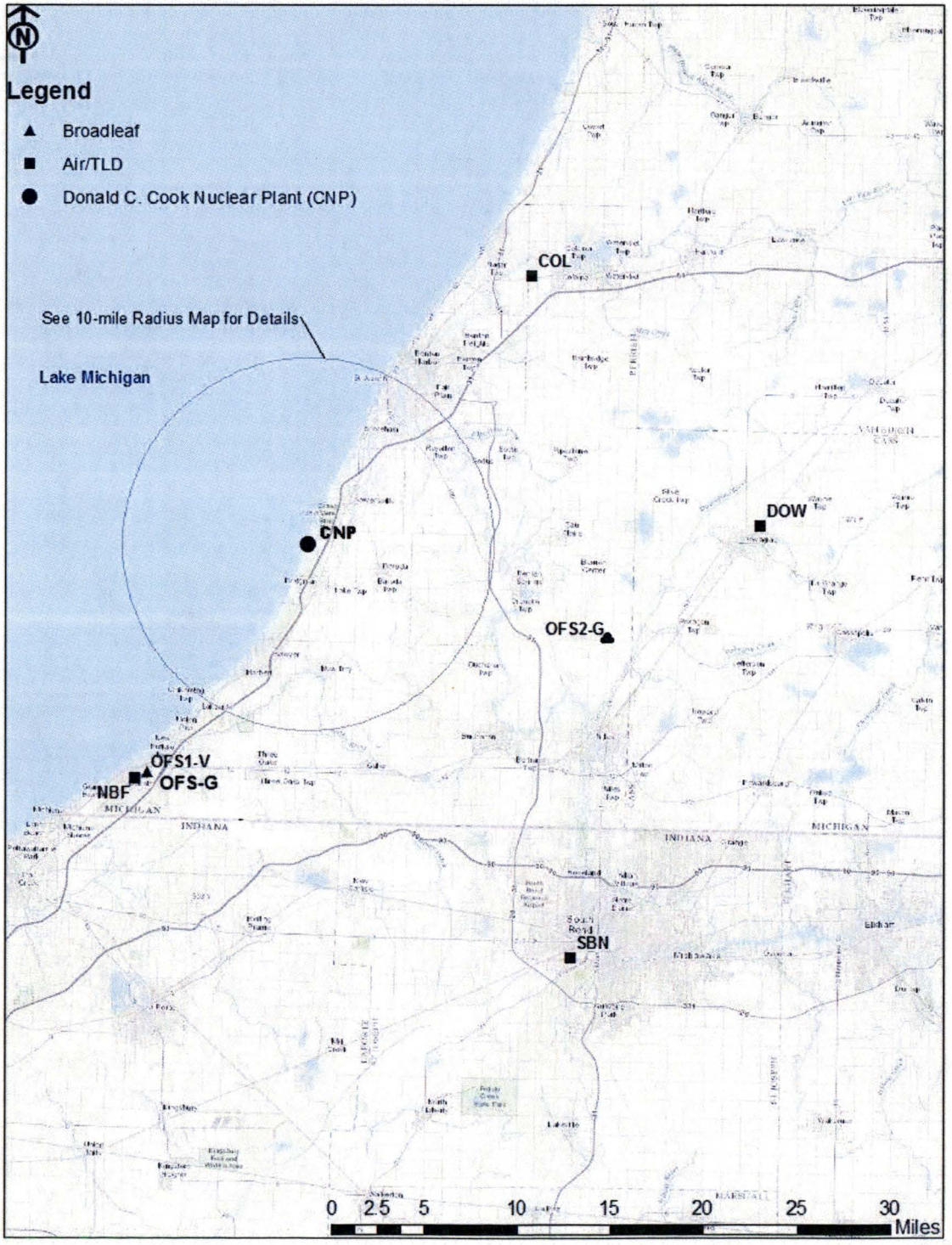


Figure 2.3

Donald C. Cook Nuclear Plant Sampling Locations - 26 Mile Radius
(See Table 2.2 for information on sampling locations)



2.6 Samples Analyzed During 2018

Table 2.5 below summarizes the number of samples of each type analyzed during the 2018 reporting period and the number of analyses by station type for each media. A more detailed breakdown of the various analyses performed is provided in the data summary tables in Section 3, Table 3.1.

Table 2.5

REMP Samples Analyzed in 2018

Sample Type	Number of REMP Samples		
	Total	Indicator	Control
Gamma Exposure Environmental TLD	108	92	16
Air Particulate	518	310	208
Charcoal Filter	518	310	208
Groundwater	68	68	0
Surface Water	22	22	0
Drinking Water	52	26	26
Sediment (Lake)	4	4	0
Food Products	5	3	2
Vegetation (broadleaf)	28	24	4
Milk*	0	0	0
Fish	4	2	2
Total All Types	1,327	861	466

* No milk sampling locations were available. Program is currently suspended.

3.0 RADIOLOGICAL DATA SUMMARY TABLES

This section summarizes the analytical results of the environmental samples that were collected during 2018. These results, shown in Table 3.1, are presented in a format similar to that prescribed in the NRC's Radiological Assessment Branch Technical Position on Environmental Monitoring (Reference 1). The results are ordered by sample media type and then by radionuclide for the monitoring zones described in Section 2.3. The units for each media type are also given. A summary of the data from TLD direct radiation measurements is provided in Table 3.2. The complete listing of quarterly TLD data is provided in Table 3.3.

The left-most column of Table 3.1 contains the radionuclide of interest, the total number of analyses for that radionuclide in 2018, and the number of measurements that exceeded the Reporting Levels found in Table 2.4. The latter are classified as "Non-routine" measurements. The second column lists the required Lower Limit of Detection (LLD) for those radionuclides that have detection capability requirements specified in Table 2.3. The absence of a value in this column indicates that no LLD is specified in the ODCM for that radionuclide in that media.

For each media type and radionuclide, the remaining three columns summarize the data for the following categories of monitoring locations: (1) the Indicator stations, which were within the range of influence of the plant and which could be affected by plant activities. (2) The station which had the highest mean concentration during 2018. (3) The Control stations, which were beyond the influence of the plant. Direct radiation monitoring stations (using TLDs) were grouped into onsite and offsite stations. These are shown in Table 3.2.

In each of these columns, for each radionuclide, the following are given:

- The mean value of all concentrations including negative values and values that were not considered "detectable".
- The lowest and highest concentration.
- The number of detectable measurements divided by the total number of measurements.

A sample was considered a "detectable measurement" when the concentration exceeded its associated minimum detectable concentration (MDC). The standard deviation on each measurement represents only the random uncertainty associated with the radioactive decay process (counting statistics), and not the propagation of all possible uncertainties in the analytical procedure.

The radionuclides reported in this section represent those that: (1) had an LLD requirement in Attachment 3.20 or a Reporting Level listed in Attachment 3.21 of the ODCM, (2) had a positive measurement of radioactivity, whether it was naturally occurring or man-made, or (3) were of specific interest for any other reason.

The radionuclides that were routinely analyzed and reported by GEL Laboratory in a gamma spectroscopy analysis are found in Table 3.0.

Table 3.0

Radionuclides Analyzed and Reported Within a Gamma Spectroscopy Analysis

Nuclide	Symbol
Actinium-228*	Ac-228
Antimony-124	Sb-124
Antimony-125	Sb-125
Barium-140	Ba-140
Beryllium-7*	Be-7
Cerium-141	Ce-141
Cerium-144	Ce-144
Cesium-134	Cs-134
Cesium-137	Cs-137
Chromium-51	Cr-51
Cobalt-57	Co-57
Cobalt-58	Co-58
Cobalt-60	Co-60
Iodine-131	I-131
Iron-59	Fe-59
Lanthanum-140	La-140
Manganese-54	Mn-54
Niobium-95	Nb-95
Potassium-40*	K-40
Ruthenium-103	Ru-103
Ruthenium-106	Ru-106
Selenium-75	Se-75
Silver-108m	Ag-108m
Silver-110m	Ag-110m
Thorium-228*	Th-228
Zinc-65	Zn-65
Zirconium-95	Zr-95

* Naturally occurring

GEL Laboratories has been analyzing CNP's environmental samples since June 2010, when the AREVA Environmental Laboratory (ELAB) discontinued operations. During this transitional period there were slight differences in how the labs treated the measurement data. The main differences were the treatment of the Th-232 decay series, the Ba-140 decay series, and the Zr-95 decay series. Where the AREVA ELAB used one daughter radionuclide to infer the decay series, GEL Labs measures each of the radionuclides independently. Both analysis methods meet or exceed the reporting requirements, as detailed in the ODCM. One other important difference between the laboratories' analysis methods is the determination of a statistically significant positive concentration. The AREVA ELAB had historically flagged concentrations above three times the uncertainty in the measurement, or 3σ. GEL Labs maintains a check on concentrations above the MDC.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
BETA	(518)	0.01	3.1E -2	ONS-3	3.2E -2	3.1E -2
	(0)		(1.6 - 7.2)E -2 (310/ 310)		(1.6 - 5.5)E -2 (52/ 52)	(1.3 - 6.5)E -2 (208/ 208)
Be-7	(40)		1.1E -1	ONS-5	1.2E -1	1.1E -1
	(0)		(5.0 - 18.9)E -2 (24/ 24)		(6.0 - 18.9)E -2 (4/ 4)	(5.2 - 17.4)E -2 (16/ 16)
K-40	(40)		3.4E -4	ONS-4	2.1E -3	4.3E -4
	(0)		(-3.3 - 4.0)E -3 (0/ 24)		(4.9 - 39.7)E -4 (0/ 4)	(-1.7 - 3.6)E -3 (0/ 16)
Cr-51	(40)		-2.0E -4	ONS-3	4.4E -3	-3.5E -3
	(0)		(-1.5 - 1.1)E -2 (0/ 24)		(-1.0 - 8.9)E -3 (0/ 4)	(-3.4 - 1.4)E -2 (0/ 16)
Mn-54	(40)		1.7E -5	ONS-3	1.7E -4	6.7E -5
	(0)		(-3.3 - 4.3)E -4 (0/ 24)		(2.9 - 43.1)E -5 (0/ 4)	(-1.3 - 2.2)E -4 (0/ 16)
Co-57	(40)		1.5E -5	DOW	5.4E -5	2.1E -5
	(0)		(-1.2 - 2.2)E -4 (0/ 24)		(-3.4 - 18.8)E -5 (0/ 4)	(-7.1 - 18.8)E -5 (0/ 16)
Co-58	(40)		-7.4E -5	NBF	2.2E -4	5.8E -5
	(0)		(-1.3 - 0.3)E -3 (0/ 24)		(-3.2 - 379.0)E -6 (0/ 4)	(-2.6 - 6.4)E -4 (0/ 16)
Fe-59	(40)		-1.8E -4	ONS-1	9.9E -5	-1.5E -4
	(0)		(-1.8 - 1.1)E -3 (0/ 24)		(-1.2 - 1.1)E -3 (0/ 4)	(-9.1 - 4.7)E -4 (0/ 16)
Co-60	(40)		-2.0E -5	SBN	8.6E -5	2.4E -5
	(0)		(-2.6 - 2.1)E -4 (0/ 24)		(2.4 - 23.4)E -5 (0/ 4)	(-4.0 - 2.7)E -4 (0/ 16)
Zn-65	(40)		5.9E -5	DOW	1.6E -4	8.0E -5
	(0)		(-3.6 - 5.0)E -4 (0/ 24)		(-1.2 - 7.5)E -4 (0/ 4)	(-2.8 - 7.5)E -4 (0/ 16)
Se-75	(40)		6.7E -5	ONS-6	2.4E -4	-8.6E -5
	(0)		(-1.7 - 4.6)E -4 (0/ 24)		(8.2 - 460.0)E -6 (0/ 4)	(-5.8 - 2.1)E -4 (0/ 16)
Nb-95	(40)		-4.7E -5	ONS-1	4.8E -5	-4.1E -5
	(0)		(-4.8 - 2.8)E -4 (0/ 24)		(-1.7 - 2.8)E -4 (0/ 4)	(-3.0 - 1.6)E -4 (0/ 16)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Zr-95	(40)		7.7E -5	ONS-5	7.4E -4	1.7E -5
	(0)		(-6.9 - 25.0)E -4 (0/ 24)		(9.0 - 2500.0)E -6 (0/ 4)	(-3.0 - 2.7)E -4 (0/ 16)
Ru-103	(40)		-1.6E -5	SBN	1.9E -4	-1.0E -5
	(0)		(-5.9 - 5.0)E -4 (0/ 24)		(-1.1 - 5.7)E -4 (0/ 4)	(-6.0 - 5.7)E -4 (0/ 16)
Ru-106	(40)		2.0E -5	NBF	9.3E -4	5.5E -4
	(0)		(-1.3 - 1.4)E -3 (0/ 24)		(7.9 - 1670.0)E -6 (0/ 4)	(-1.4 - 3.3)E -3 (0/ 16)
Ag-108m	(40)		0.0E 0	COL	6.1E -5	3.0E -5
	(0)		(-1.2 - 1.2)E -4 (0/ 24)		(1.7 - 9.7)E -5 (0/ 4)	(-3.3 - 15.3)E -5 (0/ 16)
Ag-110m	(40)		-4.5E -5	SBN	2.0E -4	3.6E -5
	(0)		(-6.9 - 3.7)E -4 (0/ 24)		(-1.0 - 4.9)E -4 (0/ 4)	(-3.8 - 4.9)E -4 (0/ 16)
Sb-124	(40)		-4.8E -5	ONS-2	7.2E -4	-2.3E -5
	(0)		(-1.3 - 1.8)E -3 (0/ 24)		(-3.8 - 17.9)E -4 (0/ 4)	(-8.0 - 8.1)E -4 (0/ 16)
Sb-125	(40)		2.4E -5	SBN	2.2E -4	6.0E -5
	(0)		(-3.1 - 6.2)E -4 (0/ 24)		(-1.7 - 6.7)E -4 (0/ 4)	(-4.2 - 6.7)E -4 (0/ 16)
I-131	(40)		1.5E -1	ONS-1	4.4E -1	-1.7E -2
	(0)		(-9.8 - 10.1)E -1 (0/ 24)		(-2.1 - 93.2)E -2 (0/ 4)	(-5.0 - 5.4)E -1 (0/ 16)
Cs-134	(40)	0.06	0.0E 0	NBF	8.9E -5	0.0E 0
	(0)		(-2.5 - 3.3)E -4 (0/ 24)		(3.4 - 258.0)E -6 (0/ 4)	(-1.3 - 2.6)E -4 (0/ 16)
Cs-137	(40)	0.06	1.5E -5	ONS-3	1.1E -4	2.5E -5
	(0)		(-1.7 - 1.8)E -4 (0/ 24)		(1.5 - 17.0)E -5 (0/ 4)	(-1.3 - 3.4)E -4 (0/ 16)
Ba-140	(40)		1.1E -2	ONS-6	4.7E -2	4.8E -3
	(0)		(-2.6 - 1.7)E -1 (0/ 24)		(6.8 - 1720.0)E -4 (0/ 4)	(-6.4 - 8.8)E -2 (0/ 16)
La-140	(40)		-3.8E -3	NBF	8.8E -3	-4.5E -4
	(0)		(-8.3 - 5.7)E -2 (0/ 24)		(-3.4 - 30.0)E -3 (0/ 4)	(-3.3 - 4.7)E -2 (0/ 16)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-141	(40)		-1.2E -4	ONS-3	8.7E -4	-5.2E -4
	(0)		(-2.4 - 4.0)E -3 (0/ 24)		(-8.3 - 39.5)E -4 (0/ 4)	(-2.4 - 0.1)E -3 (0/ 16)
Ce-144	(40)		-5.0E -5	ONS-6	4.2E -4	9.2E -5
	(0)		(-9.4 - 21.1)E -4 (0/ 24)		(-3.0 - 21.1)E -4 (0/ 4)	(-5.0 - 10.3)E -4 (0/ 16)
Ac-228	(40)		2.1E -4	ONS-6	7.4E -4	1.7E -4
	(0)		(-6.2 - 13.9)E -4 (0/ 24)		(-2.1 - 13.9)E -4 (0/ 4)	(-7.1 - 15.7)E -4 (0/ 16)
Th-228	(40)		1.6E -4	ONS-4	2.6E -4	7.8E -5
	(0)		(-1.8 - 5.7)E -4 (0/ 24)		(1.0 - 4.9)E -4 (0/ 4)	(-2.2 - 5.7)E -4 (0/ 16)

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Charcoal Cartridge (CF) UNITS: pCi/cubic meter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
I-131	(518)	0.07	3.2E -4	ONS-3	6.9E -4	-2.7E -5
	(0)		(-1.8 - 2.1)E -2		(-1.8 - 0.8)E -2	(-8.2 - 11.5)E -3
			(0/ 310)		(0/ 52)	(0/ 208)

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Be-7	(4)		3.7E 0	OFS-S	2.6E 1	1.7E 1
	(0)		(-1.1 - 1.8)E 1		(0/ 1)	(8.5 - 26.4)E 0
			(0/ 2)			(0/ 2)
K-40	(4)		2.4E 3	OFS-N	3.3E 3	3.2E 3
	(0)		(2.0 - 2.7)E 3		(1/ 1)	(3.2 - 3.3)E 3
			(2/ 2)			(2/ 2)
Cr-51	(4)		-3.7E 0	ONS-N	2.2E 1	-1.2E 1
	(0)		(-2.9 - 2.2)E 1		(0/ 1)	(-2.5 - 0.0)E 1
			(0/ 2)			(0/ 2)
Mn-54	(4)	130	-8.8E -1	ONS-S	1.6E 0	-5.8E 0
	(0)		(-3.3 - 1.6)E 0		(0/ 1)	(-1.1 - -0.1)E 1
			(0/ 2)			(0/ 2)
Co-57	(4)		2.6E 0	ONS-N	3.9E 0	-1.2E 0
	(0)		(1.4 - 3.9)E 0		(0/ 1)	(-3.0 - 0.5)E 0
			(0/ 2)			(0/ 2)
Co-58	(4)	130	-2.5E 0	OFS-S	5.0E 0	3.6E 0
	(0)		(-3.5 - -1.5)E 0		(0/ 1)	(2.1 - 5.0)E 0
			(0/ 2)			(0/ 2)
Fe-59	(4)	260	1.2E 1	ONS-N	1.3E 1	1.0E 0
	(0)		(1.2 - 1.3)E 1		(0/ 1)	(-4.4 - 6.4)E 0
			(0/ 2)			(0/ 2)
Co-60	(4)	130	-7.1E -1	OFS-S	3.7E 0	1.5E -1
	(0)		(-2.6 - 1.2)E 0		(0/ 1)	(-3.4 - 3.7)E 0
			(0/ 2)			(0/ 2)
Zn-65	(4)	260	-9.2E 0	OFS-N	2.0E 0	-3.9E -1
	(0)		(-1.1 - -0.7)E 1		(0/ 1)	(-2.7 - 2.0)E 0
			(0/ 2)			(0/ 2)
Se-75	(4)		-5.5E 0	OFS-S	-4.1E -1	-1.9E 0
	(0)		(-1.0 - -0.1)E 1		(0/ 1)	(-3.4 - -0.4)E 0
			(0/ 2)			(0/ 2)
Nb-95	(4)		-3.8E -1	OFS-S	2.1E 0	3.0E -1
	(0)		(-2.2 - 1.4)E 0		(0/ 1)	(-1.5 - 2.1)E 0
			(0/ 2)			(0/ 2)
Zr-95	(4)		1.2E -1	ONS-N	2.7E 0	-1.9E 0
	(0)		(-2.5 - 2.7)E 0		(0/ 1)	(-1.9 - -1.8)E 0
			(0/ 2)			(0/ 2)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ru-103	(4)		8.0E -1	OFS-S	7.2E 0	4.5E 0
	(0)		(-5.3 - 21.4)E -1		(0/ 1)	(1.8 - 7.2)E 0
			(0/ 2)			(0/ 2)
Ru-106	(4)		3.4E 1	ONS-N	5.0E 1	4.7E 0
	(0)		(1.8 - 5.0)E 1		(0/ 1)	(3.0 - 6.3)E 0
			(0/ 2)			(0/ 2)
Ag-108m	(4)		1.6E 0	ONS-N	6.4E 0	2.9E -1
	(0)		(-3.3 - 6.4)E 0		(0/ 1)	(-7.6 - 13.3)E -1
			(0/ 2)			(0/ 2)
Ag-110m	(4)		1.2E 0	ONS-N	5.8E 0	1.4E 0
	(0)		(-3.3 - 5.8)E 0		(0/ 1)	(1.2 - 27.2)E -1
			(0/ 2)			(0/ 2)
Sb-124	(4)		6.5E 0	ONS-S	7.5E 0	-1.8E 0
	(0)		(5.5 - 7.5)E 0		(0/ 1)	(-4.6 - 1.0)E 0
			(0/ 2)			(0/ 2)
Sb-125	(4)		1.8E 0	ONS-S	6.4E 0	-1.7E 0
	(0)		(-2.8 - 6.4)E 0		(0/ 1)	(-4.3 - 0.9)E 0
			(0/ 2)			(0/ 2)
I-131	(4)		-3.4E -1	ONS-N	2.5E 0	-2.9E 0
	(0)		(-3.1 - 2.5)E 0		(0/ 1)	(-5.6 - -0.2)E 0
			(0/ 2)			(0/ 2)
Cs-134	(4)	130	2.0E 0	ONS-N	4.0E 0	-5.6E -1
	(0)		(8.6 - 399.0)E -2		(0/ 1)	(-2.3 - 1.2)E 0
			(0/ 2)			(0/ 2)
Cs-137	(4)	150	3.0E 1	ONS-N	4.4E 1	6.0E 0
	(0)		(1.7 - 4.4)E 1		(1/ 1)	(5.6 - 6.5)E 0
			(1/ 2)			(0/ 2)
Ba-140	(4)		1.2E 1	ONS-N	1.3E 1	-7.8E 0
	(0)		(1.2 - 1.3)E 1		(0/ 1)	(-2.1 - 0.6)E 1
			(0/ 2)			(0/ 2)
La-140	(4)		-5.7E 0	OFS-N	-4.5E -1	-8.0E -1
	(0)		(-7.0 - -4.5)E 0		(0/ 1)	(-1.2 - -0.4)E 0
			(0/ 2)			(0/ 2)
Ce-141	(4)		-9.1E -1	OFS-S	1.4E 0	-1.3E -1
	(0)		(-2.9 - 1.1)E 0		(0/ 1)	(-1.7 - 1.4)E 0
			(0/ 2)			(0/ 2)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-144	(4)		-1.4E 1	OFS-N	3.4E 0	-4.4E 0
	(0)		(-2.8 - -0.1)E 1		(0/ 1)	(-1.2 - 0.3)E 1
			(0/ 2)			(0/ 2)
Ac-228	(4)		-4.6E 0	OFS-S	2.1E 1	1.7E 1
	(0)		(-2.2 - 1.3)E 1		(0/ 1)	(1.3 - 2.1)E 1
			(0/ 2)			(0/ 2)
Th-228	(4)		7.1E 0	OFS-S	3.8E 1	2.2E 1
	(0)		(-4.0 - 18.2)E 0		(0/ 1)	(6.7 - 37.8)E 0
			(0/ 2)			(0/ 2)

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Sediment (SE) UNITS: pCi/kg dry

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Be-7	(4)		1.6E 2	SL-2	2.4E 2	NO DATA
	(0)		(-2.6 - 24.9)E 1 (0/ 4)		(2.4 - 2.5)E 2 (0/ 2)	
K-40	(4)		5.4E 3	SL-3	5.5E 3	NO DATA
	(0)		(4.8 - 5.8)E 3 (4/ 4)		(5.3 - 5.8)E 3 (2/ 2)	
Cr-51	(4)		7.0E 1	SL-2	9.2E 1	NO DATA
	(0)		(-4.7 - 23.1)E 1 (0/ 4)		(-4.7 - 23.1)E 1 (0/ 2)	
Mn-54	(4)		9.3E -1	SL-2	1.4E 0	NO DATA
	(0)		(-4.1 - 22.1)E -1 (0/ 4)		(6.0 - 22.1)E -1 (0/ 2)	
Co-57	(4)		-3.7E 0	SL-2	-2.8E 0	NO DATA
	(0)		(-7.1 - 1.5)E 0 (0/ 4)		(-7.1 - 1.5)E 0 (0/ 2)	
Co-58	(4)		-1.9E 0	SL-3	3.4E 0	NO DATA
	(0)		(-7.6 - 9.3)E 0 (0/ 4)		(-2.5 - 9.3)E 0 (0/ 2)	
Fe-59	(4)		-6.4E 0	SL-3	-3.8E 0	NO DATA
	(0)		(-1.7 - 0.9)E 1 (0/ 4)		(-1.7 - 0.9)E 1 (0/ 2)	
Co-60	(4)		9.3E 0	SL-2	1.0E 1	NO DATA
	(0)		(-3.5 - 20.3)E 0 (0/ 4)		(6.3 - 14.3)E 0 (0/ 2)	
Zn-65	(4)		1.4E 1	SL-3	3.1E 1	NO DATA
	(0)		(-1.6 - 3.3)E 1 (0/ 4)		(2.8 - 3.3)E 1 (0/ 2)	
Se-75	(4)		-9.3E 0	SL-2	-8.0E 0	NO DATA
	(0)		(-1.4 - -0.2)E 1 (0/ 4)		(-1.4 - -0.2)E 1 (0/ 2)	
Nb-95	(4)		2.5E 0	SL-2	3.7E 0	NO DATA
	(0)		(-1.5 - 4.9)E 0 (0/ 4)		(2.5 - 4.9)E 0 (0/ 2)	
Zr-95	(4)		6.0E 0	SL-2	1.1E 1	NO DATA
	(0)		(-4.2 - 14.7)E 0 (0/ 4)		(7.1 - 14.7)E 0 (0/ 2)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Sediment (SE) UNITS: pCi/kg dry

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ru-103	(4)		1.6E -1	SL-2	6.3E 0	NO DATA
	(0)		(-6.8 - 9.1)E 0 (0/ 4)		(3.5 - 9.1)E 0 (0/ 2)	
Ru-106	(4)		-1.1E 2	SL-2	-2.1E 1	NO DATA
	(0)		(-2.5 - 0.0)E 2 (0/ 4)		(-4.0 - -0.2)E 1 (0/ 2)	
Ag-108m	(4)		6.1E -1	SL-3	7.1E -1	NO DATA
	(0)		(-2.2 - 3.6)E 0 (0/ 4)		(-2.2 - 3.6)E 0 (0/ 2)	
Ag-110m	(4)		0.0E 0	SL-3	1.5E 1	NO DATA
	(0)		(-2.8 - 3.2)E 1 (0/ 4)		(-1.2 - 31.5)E 0 (0/ 2)	
Sb-124	(4)		-1.7E 1	SL-3	-6.6E 0	NO DATA
	(0)		(-4.2 - 1.2)E 1 (0/ 4)		(-2.5 - 1.2)E 1 (0/ 2)	
Sb-125	(4)		3.7E 0	SL-2	7.5E 0	NO DATA
	(0)		(-2.3 - 3.8)E 1 (0/ 4)		(-2.3 - 3.8)E 1 (0/ 2)	
I-131	(4)		7.2E 0	SL-2	9.1E 0	NO DATA
	(0)		(-6.0 - 17.1)E 0 (0/ 4)		(1.1 - 17.1)E 0 (0/ 2)	
Cs-134	(4)	150	5.0E 0	SL-2	7.8E 0	NO DATA
	(0)		(-1.2 - 16.7)E 0 (0/ 4)		(-1.2 - 16.7)E 0 (0/ 2)	
Cs-137	(4)	180	2.6E 0	SL-2	3.4E 0	NO DATA
	(0)		(1.1 - 5.7)E 0 (0/ 4)		(1.1 - 5.7)E 0 (0/ 2)	
Ba-140	(4)		3.3E 1	SL-2	4.4E 1	NO DATA
	(0)		(-3.5 - 12.3)E 1 (0/ 4)		(-3.5 - 12.3)E 1 (0/ 2)	
La-140	(4)		-2.2E 0	SL-3	-1.7E 0	NO DATA
	(0)		(-2.5 - 2.0)E 1 (0/ 4)		(-9.2 - 5.8)E 0 (0/ 2)	
Ce-141	(4)		-6.1E 0	SL-3	-1.1E 0	NO DATA
	(0)		(-2.2 - 1.9)E 1 (0/ 4)		(-2.2 - 1.9)E 1 (0/ 2)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Sediment (SE) UNITS: pCi/kg dry

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-144	(4)		3.3E 1	SL-3	5.1E 1	NO DATA
	(0)		(-1.8 - 595.0)E -1 (0/ 4)		(4.2 - 6.0)E 1 (0/ 2)	
Ac-228	(4)		1.6E 2	SL-3	1.6E 2	NO DATA
	(0)		(7.7 - 22.0)E 1 (1/ 4)		(1.1 - 2.1)E 2 (0/ 2)	
Th-228	(4)		1.4E 2	SL-2	1.6E 2	NO DATA
	(0)		(9.9 - 19.0)E 1 (4/ 4)		(1.4 - 1.9)E 2 (2/ 2)	

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Food Products (TF) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Be-7	(5)		9.7E 1	OFS1-G	1.6E 3	8.5E 2
	(0)		(6.2 - 16.0)E 1		(1/ 1)	(8.1 - 162.0)E 1
			(0/ 3)			(1/ 2)
K-40	(5)		2.7E 3	ONS-G	2.7E 3	2.0E 3
	(0)		(1.5 - 4.3)E 3		(1.5 - 4.3)E 3	(1.5 - 2.5)E 3
			(3/ 3)		(3/ 3)	(2/ 2)
Cr-51	(5)		-1.3E 1	OFS1-G	2.5E 1	1.8E 1
	(0)		(-4.3 - 2.6)E 1		(0/ 1)	(1.2 - 2.5)E 1
			(0/ 3)			(0/ 2)
Mn-54	(5)		2.4E 0	OFS1-G	7.9E 0	1.5E 0
	(0)		(-1.7 - 43.9)E -1		(0/ 1)	(-4.9 - 7.9)E 0
			(0/ 3)			(0/ 2)
Co-57	(5)		-6.4E -1	ONS-G	-6.4E -1	-2.8E 0
	(0)		(-1.3 - 0.3)E 0		(-1.3 - 0.3)E 0	(-3.9 - -1.7)E 0
			(0/ 3)		(0/ 3)	(0/ 2)
Co-58	(5)		-3.0E 0	OFS1-G	6.2E 0	4.0E 0
	(0)		(-7.9 - 0.7)E 0		(0/ 1)	(1.8 - 6.2)E 0
			(0/ 3)			(0/ 2)
Fe-59	(5)		-2.2E 0	OFS1-G	2.1E 1	7.5E 0
	(0)		(-6.6 - 1.8)E 0		(0/ 1)	(-6.3 - 21.3)E 0
			(0/ 3)			(0/ 2)
Co-60	(5)		1.7E 0	OFS1-G	2.3E 1	1.1E 1
	(0)		(-3.6 - 7.3)E 0		(0/ 1)	(-8.3 - 228.0)E -1
			(0/ 3)			(0/ 2)
Zn-65	(5)		2.2E 0	OFS2-G	1.3E 1	6.6E 0
	(0)		(-9.1 - 65.1)E -1		(0/ 1)	(3.3 - 129.0)E -1
			(0/ 3)			(0/ 2)
Se-75	(5)		1.6E 0	OFS1-G	1.2E 1	8.6E 0
	(0)		(-1.5 - 6.1)E 0		(0/ 1)	(5.6 - 11.5)E 0
			(0/ 3)			(0/ 2)
Nb-95	(5)		-2.8E 0	OFS2-G	-1.9E 0	-7.8E 0
	(0)		(-5.3 - -0.6)E 0		(0/ 1)	(-1.4 - -0.2)E 1
			(0/ 3)			(0/ 2)
Zr-95	(5)		9.6E -1	OFS1-G	2.1E 1	1.3E 1
	(0)		(-8.3 - 10.4)E 0		(0/ 1)	(5.0 - 21.1)E 0
			(0/ 3)			(0/ 2)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Food Products (TF) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ru-103	(5)		1.3E 0	OFS1-G	1.6E 1	5.7E 0
	(0)		(-2.4 - 4.9)E 0 (0/ 3)		(0/ 1)	(-4.6 - 16.1)E 0 (0/ 2)
Ru-106	(5)		2.4E 1	OFS1-G	1.5E 2	1.0E 2
	(0)		(5.4 - 33.6)E 0 (0/ 3)		(0/ 1)	(4.8 - 15.4)E 1 (0/ 2)
Ag-108m	(5)		4.7E -1	OFS1-G	4.9E 0	1.7E 0
	(0)		(-2.7 - 4.1)E 0 (0/ 3)		(0/ 1)	(-1.5 - 4.9)E 0 (0/ 2)
Ag-110m	(5)		7.8E -1	OFS1-G	7.4E 0	6.8E 0
	(0)		(-7.4 - 8.6)E 0 (0/ 3)		(0/ 1)	(6.2 - 7.4)E 0 (0/ 2)
Sb-124	(5)		-2.3E 0	ONS-G	-2.3E 0	-7.4E 0
	(0)		(-1.2 - 0.3)E 1 (0/ 3)		(-1.2 - 0.3)E 1 (0/ 3)	(-1.2 - -0.3)E 1 (0/ 2)
Sb-125	(5)		-2.2E 0	OFS1-G	2.0E 1	3.6E 0
	(0)		(-1.0 - 0.3)E 1 (0/ 3)		(0/ 1)	(-1.3 - 2.0)E 1 (0/ 2)
I-131	(5)	60	3.9E -1	OFS2-G	2.8E 0	-7.0E -1
	(0)		(-3.2 - 3.8)E 0 (0/ 3)		(0/ 1)	(-4.2 - 2.8)E 0 (0/ 2)
Cs-134	(5)	60	1.3E -1	OFS1-G	8.9E 0	7.1E 0
	(0)		(-3.3 - 6.7)E 0 (0/ 3)		(0/ 1)	(5.2 - 8.9)E 0 (0/ 2)
Cs-137	(5)	60	2.4E 0	OFS1-G	2.4E 1	1.5E 1
	(0)		(4.2 - 43.4)E -1 (0/ 3)		(0/ 1)	(5.9 - 24.0)E 0 (0/ 2)
Ba-140	(5)		2.5E 0	ONS-G	2.5E 0	-1.1E 1
	(0)		(-1.4 - 1.3)E 1 (0/ 3)		(-1.4 - 1.3)E 1 (0/ 3)	(-1.5 - -0.8)E 1 (0/ 2)
La-140	(5)		-4.9E -1	OFS1-G	8.0E 0	7.5E 0
	(0)		(-5.8 - 5.6)E 0 (0/ 3)		(0/ 1)	(7.0 - 8.0)E 0 (0/ 2)
Ce-141	(5)		-8.0E 0	OFS2-G	5.7E 0	3.8E 0
	(0)		(-2.0 - 0.2)E 1 (0/ 3)		(0/ 1)	(1.9 - 5.7)E 0 (0/ 2)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Food Products (TF) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-144	(5)		-7.0E 0	OFS2-G	-5.9E 0	-6.2E 0
	(0)		(-7.8 - -5.8)E 0			(-6.5 - -5.9)E 0
			(0/ 3)		(0/ 1)	(0/ 2)
Ac-228	(5)		2.1E 0	OFS1-G	1.5E 2	8.0E 1
	(0)		(-3.5 - 4.2)E 1			(1.2 - 14.9)E 1
			(0/ 3)		(0/ 1)	(0/ 2)
Th-228	(5)		-5.0E 0	OFS1-G	5.0E 1	2.7E 1
	(0)		(-9.2 - 0.1)E 0			(4.5 - 50.1)E 0
			(0/ 3)		(0/ 1)	(0/ 2)

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Vegetation (TV) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Be-7	(28)		1.7E 3	ONS5-V	1.9E 3	1.5E 3
	(0)		(3.9 - 36.9)E 2 (24/ 24)		(7.9 - 31.3)E 2 (9/ 9)	(9.0 - 20.7)E 2 (4/ 4)
K-40	(28)		4.1E 3	ONS5-V	4.6E 3	2.2E 3
	(0)		(1.7 - 6.2)E 3 (24/ 24)		(2.5 - 6.2)E 3 (9/ 9)	(1.5 - 3.1)E 3 (4/ 4)
Cr-51	(28)		-5.8E 0	ONS2-V	7.7E -2	-1.9E 1
	(0)		(-8.4 - 7.9)E 1 (0/ 24)		(-2.0 - 2.3)E 1 (0/ 3)	(-5.7 - 2.5)E 1 (0/ 4)
Mn-54	(28)		1.4E 0	ONS2-V	4.0E 0	-1.9E 0
	(0)		(-1.8 - 1.9)E 1 (0/ 24)		(2.0 - 5.7)E 0 (0/ 3)	(-1.8 - 0.8)E 1 (0/ 4)
Co-57	(28)		1.3E -1	ONS5-V	1.6E 0	-2.5E 0
	(0)		(-4.5 - 17.4)E 0 (0/ 24)		(-4.3 - 17.4)E 0 (0/ 9)	(-5.4 - 0.2)E 0 (0/ 4)
Co-58	(28)		2.7E 0	ONS5-V	3.2E 0	1.8E 0
	(0)		(-7.5 - 31.2)E 0 (0/ 24)		(-1.7 - 7.0)E 0 (0/ 9)	(-3.4 - 6.2)E 0 (0/ 4)
Fe-59	(28)		1.9E -1	OFS1-V	4.6E 0	4.6E 0
	(0)		(-2.2 - 2.9)E 1 (0/ 24)		(-4.4 - 21.3)E 0 (0/ 4)	(-4.4 - 21.3)E 0 (0/ 4)
Co-60	(28)		-4.7E -1	ONS4-V	1.4E 0	3.0E -1
	(0)		(-5.8 - 2.0)E 1 (0/ 24)		(-1.3 - 1.3)E 1 (0/ 12)	(-1.5 - 2.3)E 1 (0/ 4)
Zn-65	(28)		6.1E -1	ONS4-V	1.1E 0	-5.5E 0
	(0)		(-2.6 - 2.0)E 1 (0/ 24)		(-2.6 - 2.0)E 1 (0/ 12)	(-1.4 - 0.0)E 1 (0/ 4)
Se-75	(28)		-1.8E 0	OFS1-V	-3.8E -1	-3.8E -1
	(0)		(-1.1 - 1.4)E 1 (0/ 24)		(-1.1 - 1.2)E 1 (0/ 4)	(-1.1 - 1.2)E 1 (0/ 4)
Nb-95	(28)		-3.5E -1	OFS1-V	1.8E 0	1.8E 0
	(0)		(-2.1 - 1.8)E 1 (0/ 24)		(-1.4 - 1.8)E 1 (0/ 4)	(-1.4 - 1.8)E 1 (0/ 4)
Zr-95	(28)		1.6E 0	OFS1-V	5.0E 0	5.0E 0
	(0)		(-1.4 - 3.5)E 1 (0/ 24)		(-2.9 - 21.1)E 0 (0/ 4)	(-2.9 - 21.1)E 0 (0/ 4)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Vegetation (TV) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ru-103	(28)		4.1E -1	OFS1-V	3.8E 0	3.8E 0
	(0)		(-1.1 - 1.3)E 1 (0/ 24)		(-2.7 - 16.1)E 0 (0/ 4)	(-2.7 - 16.1)E 0 (0/ 4)
Ru-106	(28)		1.7E 1	OFS1-V	8.9E 1	8.9E 1
	(0)		(-7.8 - 13.9)E 1 (0/ 24)		(1.9 - 15.4)E 1 (0/ 4)	(1.9 - 15.4)E 1 (0/ 4)
Ag-108m	(28)		6.3E -1	OFS1-V	1.3E 0	1.3E 0
	(0)		(-6.4 - 7.5)E 0 (0/ 24)		(-7.1 - 48.8)E -1 (0/ 4)	(-7.1 - 48.8)E -1 (0/ 4)
Ag-110m	(28)		5.9E -1	OFS1-V	4.8E 0	4.8E 0
	(0)		(-9.7 - 30.2)E 0 (0/ 24)		(-5.9 - 13.2)E 0 (0/ 4)	(-5.9 - 13.2)E 0 (0/ 4)
Sb-124	(28)		-3.1E 0	ONS2-V	3.9E 0	3.4E 0
	(0)		(-3.4 - 2.7)E 1 (0/ 24)		(-1.0 - 11.5)E 0 (0/ 3)	(-1.2 - 3.3)E 1 (0/ 4)
Sb-125	(28)		4.7E 0	ONS5-V	8.4E 0	4.6E 0
	(0)		(-1.1 - 3.3)E 1 (0/ 24)		(-6.8 - 33.2)E 0 (0/ 9)	(-1.2 - 2.0)E 1 (0/ 4)
I-131	(28)	60	1.2E 0	ONS2-V	4.2E 0	-9.7E 0
	(0)		(-1.9 - 2.6)E 1 (0/ 24)		(3.9 - 65.2)E -1 (0/ 3)	(-3.6 - 0.6)E 1 (0/ 4)
Cs-134	(28)	60	1.3E 0	OFS1-V	2.6E 0	2.6E 0
	(0)		(-1.5 - 1.3)E 1 (0/ 24)		(-5.3 - 8.9)E 0 (0/ 4)	(-5.3 - 8.9)E 0 (0/ 4)
Cs-137	(28)	60	3.9E 0	OFS1-V	1.1E 1	1.1E 1
	(0)		(-7.3 - 18.9)E 0 (0/ 24)		(9.1 - 240.0)E -1 (0/ 4)	(9.1 - 240.0)E -1 (0/ 4)
Ba-140	(28)		9.8E 0	ONS5-V	2.5E 1	4.6E 0
	(0)		(-5.1 - 12.9)E 1 (0/ 24)		(-1.6 - 12.9)E 1 (0/ 9)	(-1.5 - 4.4)E 1 (0/ 4)
La-140	(28)		-4.0E 0	ONS2-V	-8.5E -1	-2.6E 0
	(0)		(-2.1 - 1.1)E 1 (0/ 24)		(-8.1 - 7.2)E 0 (0/ 3)	(-1.2 - 0.8)E 1 (0/ 4)
Ce-141	(28)		-1.3E 0	ONS4-V	1.5E 0	-7.4E 0
	(0)		(-2.9 - 2.3)E 1 (0/ 24)		(-1.1 - 2.3)E 1 (0/ 12)	(-2.6 - 0.2)E 1 (0/ 4)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Vegetation (TV) UNITS: pCi/kg wet

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-144	(28)		-5.1E 0	OFS1-V	-3.6E -1	-3.6E -1
	(0)		(-6.9 - 4.2)E 1		(-3.6 - 4.1)E 1	(-3.6 - 4.1)E 1
			(0/ 24)		(0/ 4)	(0/ 4)
Ac-228	(28)		1.2E 1	OFS1-V	3.4E 1	3.4E 1
	(0)		(-7.1 - 11.9)E 1		(-2.6 - 14.9)E 1	(-2.6 - 14.9)E 1
			(0/ 24)		(0/ 4)	(0/ 4)
Th-228	(28)		8.8E 0	ONS2-V	2.2E 1	7.7E 0
	(0)		(-2.5 - 5.0)E 1		(1.6 - 3.3)E 1	(-3.2 - 5.0)E 1
			(0/ 24)		(0/ 3)	(0/ 4)

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Drinking Water (WD) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
BETA	(52)	4	1.2E 0	STJ	1.4E 0	1.4E 0
	(0)		(-9.1 - 33.8)E -1		(-2.9 - 3.0)E 0	(-2.9 - 3.0)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
H-3	(8)	2000	1.4E 2	LTW	1.4E 2	1.7E 1
	(0)		(-2.9 - 10.4)E 2		(-2.9 - 10.4)E 2	(-1.8 - 3.5)E 2
			(0/ 4)		(0/ 4)	(0/ 4)
Be-7	(52)		-3.5E -1	LTW	-3.5E -1	-3.1E 0
	(0)		(-2.2 - 1.4)E 1		(-2.2 - 1.4)E 1	(-1.6 - 1.3)E 1
			(0/ 26)		(0/ 26)	(0/ 26)
K-40	(52)		-9.3E -1	LTW	-9.3E -1	-2.0E 0
	(0)		(-5.5 - 7.5)E 1		(-5.5 - 7.5)E 1	(-5.0 - 4.4)E 1
			(0/ 26)		(0/ 26)	(2/ 26)
Cr-51	(52)		-1.2E 0	STJ	2.4E 0	2.4E 0
	(0)		(-3.3 - 2.2)E 1		(-2.0 - 1.9)E 1	(-2.0 - 1.9)E 1
			(0/ 26)		(0/ 26)	(0/ 26)
Mn-54	(52)	15	-1.4E -1	LTW	-1.4E -1	-1.6E -1
	(0)		(-2.4 - 1.9)E 0		(-2.4 - 1.9)E 0	(-3.0 - 4.8)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Co-57	(52)		9.7E -2	LTW	9.7E -2	-2.4E -2
	(0)		(-1.3 - 1.6)E 0		(-1.3 - 1.6)E 0	(-2.0 - 1.6)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Co-58	(52)	15	-1.8E -1	STJ	1.6E -1	1.6E -1
	(0)		(-2.6 - 2.0)E 0		(-1.7 - 3.0)E 0	(-1.7 - 3.0)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Fe-59	(52)	30	-1.1E -1	STJ	4.0E -1	4.0E -1
	(0)		(-4.1 - 5.2)E 0		(-3.5 - 4.8)E 0	(-3.5 - 4.8)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Co-60	(52)	15	1.4E -1	STJ	4.6E -1	4.6E -1
	(0)		(-2.2 - 2.5)E 0		(-1.3 - 4.5)E 0	(-1.3 - 4.5)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Zn-65	(52)	30	1.2E -1	LTW	1.2E -1	-5.9E -1
	(0)		(-4.8 - 5.3)E 0		(-4.8 - 5.3)E 0	(-5.0 - 2.9)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Se-75	(52)		1.8E -1	LTW	1.8E -1	-3.0E -1
	(0)		(-1.8 - 2.2)E 0		(-1.8 - 2.2)E 0	(-3.6 - 2.4)E 0
			(0/ 26)		(0/ 26)	(0/ 26)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Drinking Water (WD) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Nb-95	(52)	15	1.3E -1	LTW	1.3E -1	4.6E -2
	(0)		(-1.7 - 1.7)E 0		(-1.7 - 1.7)E 0	(-1.9 - 1.6)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Zr-95	(52)	30	2.6E -1	LTW	2.6E -1	-2.7E -1
	(0)		(-3.5 - 3.3)E 0		(-3.5 - 3.3)E 0	(-3.6 - 3.1)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ru-103	(52)		-5.3E -1	STJ	-2.0E -1	-2.0E -1
	(0)		(-3.7 - 2.2)E 0		(-2.3 - 2.1)E 0	(-2.3 - 2.1)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ru-106	(52)		-1.2E -1	LTW	-1.2E -1	-8.8E -1
	(0)		(-2.3 - 1.6)E 1		(-2.3 - 1.6)E 1	(-2.2 - 1.9)E 1
			(0/ 26)		(0/ 26)	(0/ 26)
Ag-108m	(52)		-1.3E -2	STJ	1.6E -1	1.6E -1
	(0)		(-1.3 - 2.4)E 0		(-1.7 - 2.3)E 0	(-1.7 - 2.3)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ag-110m	(52)		-4.3E -2	STJ	1.1E -1	1.1E -1
	(0)		(-3.2 - 3.8)E 0		(-3.9 - 4.6)E 0	(-3.9 - 4.6)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Sb-124	(52)		3.3E -1	LTW	3.3E -1	-6.0E -1
	(0)		(-3.2 - 4.9)E 0		(-3.2 - 4.9)E 0	(-5.6 - 5.5)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Sb-125	(52)		1.5E -1	STJ	2.6E -1	2.6E -1
	(0)		(-8.3 - 4.2)E 0		(-4.4 - 5.5)E 0	(-4.4 - 5.5)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
I-131	(52)	1	-6.8E -2	STJ	1.2E -1	1.2E -1
	(0)		(-1.2 - 0.8)E 0		(-3.3 - 7.9)E -1	(-3.3 - 7.9)E -1
			(0/ 26)		(0/ 26)	(0/ 26)
Cs-134	(52)	15	3.0E -1	STJ	4.2E -1	4.2E -1
	(0)		(-1.1 - 1.8)E 0		(-2.3 - 4.7)E 0	(-2.3 - 4.7)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Cs-137	(52)	18	2.2E -1	LTW	2.2E -1	-8.5E -3
	(0)		(-2.5 - 4.5)E 0		(-2.5 - 4.5)E 0	(-2.7 - 2.1)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ba-140	(52)	60	1.8E 0	LTW	1.8E 0	9.3E -1
	(0)		(-1.1 - 2.8)E 1		(-1.1 - 2.8)E 1	(-1.5 - 1.6)E 1
			(0/ 26)		(0/ 26)	(0/ 26)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Drinking Water (WD) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
La-140	(52)	15	3.8E -1	LTW	3.8E -1	-2.3E -1
	(0)		(-4.1 - 8.8)E 0		(-4.1 - 8.8)E 0	(-4.2 - 3.5)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ce-141	(52)		3.3E -2	LTW	3.3E -2	-4.9E -2
	(0)		(-4.1 - 9.1)E 0		(-4.1 - 9.1)E 0	(-7.0 - 16.7)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ce-144	(52)		6.3E -1	STJ	1.6E 0	1.6E 0
	(0)		(-1.1 - 3.4)E 1		(-1.3 - 2.7)E 1	(-1.3 - 2.7)E 1
			(0/ 26)		(0/ 26)	(0/ 26)
Ac-228	(52)		1.7E 0	STJ	2.5E 0	2.5E 0
	(0)		(-9.6 - 16.6)E 0		(-5.3 - 9.5)E 0	(-5.3 - 9.5)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Th-228	(52)		1.4E 0	STJ	3.3E 0	3.3E 0
	(0)		(-7.0 - 10.8)E 0		(-2.3 - 21.2)E 0	(-2.3 - 21.2)E 0
			(0/ 26)		(1/ 26)	(1/ 26)

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Ground Water (WG) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
H-3	(68)	2000	1.6E 2	W-6	4.9E 2	NO DATA
	(0)		(-6.1 - 9.6)E 2 (0/ 68)		(3.4 - 6.5)E 2 (0/ 4)	
Be-7	(68)		8.5E -1	W-7	6.8E 0	NO DATA
	(0)		(-2.2 - 2.5)E 1 (0/ 68)		(2.1 - 12.0)E 0 (0/ 4)	
K-40	(68)		2.2E 0	W-3	2.8E 1	NO DATA
	(0)		(-7.1 - 6.6)E 1 (2/ 68)		(-4.4 - 66.2)E 0 (1/ 4)	
Cr-51	(68)		3.0E -1	MW-21	8.2E 0	NO DATA
	(0)		(-2.0 - 3.5)E 1 (0/ 68)		(1.6 - 12.2)E 0 (0/ 4)	
Mn-54	(68)	15	6.3E -2	W-9	1.3E 0	NO DATA
	(0)		(-2.0 - 3.4)E 0 (0/ 68)		(2.2 - 33.8)E -1 (0/ 4)	
Co-57	(68)		1.0E -1	W-4	7.8E -1	NO DATA
	(0)		(-2.6 - 2.0)E 0 (0/ 68)		(-1.2 - 12.6)E -1 (0/ 4)	
Co-58	(68)	15	-2.0E -1	W-7	5.5E -1	NO DATA
	(0)		(-2.5 - 2.1)E 0 (0/ 68)		(1.0 - 11.6)E -1 (0/ 4)	
Fe-59	(68)	30	3.7E -1	MW-20	4.6E 0	NO DATA
	(0)		(-4.8 - 14.1)E 0 (0/ 68)		(9.1 - 141.0)E -1 (0/ 4)	
Co-60	(68)	15	4.1E -1	W-10	1.5E 0	NO DATA
	(0)		(-3.3 - 4.6)E 0 (0/ 68)		(-2.7 - 46.0)E -1 (0/ 4)	
Zn-65	(68)	30	1.7E -1	W-2	3.5E 0	NO DATA
	(0)		(-5.8 - 8.2)E 0 (0/ 68)		(-7.0 - 82.2)E -1 (0/ 4)	
Se-75	(68)		-1.3E -1	W-10	1.2E 0	NO DATA
	(0)		(-2.5 - 4.9)E 0 (0/ 68)		(-1.3 - 4.9)E 0 (0/ 4)	
Nb-95	(68)	15	2.4E -1	MW-20	1.2E 0	NO DATA
	(0)		(-2.4 - 4.4)E 0 (0/ 68)		(3.2 - 22.2)E -1 (0/ 4)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Ground Water (WG) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Zr-95	(68)	30	3.6E -1	W-1	3.3E 0	NO DATA
	(0)		(-3.3 - 8.1)E 0		(5.0 - 81.4)E -1	
			(0/ 68)		(0/ 4)	
Ru-103	(68)		-5.0E -1	W-3	1.2E 0	NO DATA
	(0)		(-3.5 - 9.0)E 0		(-3.4 - 9.0)E 0	
			(0/ 68)		(0/ 4)	
Ru-106	(68)		3.3E 0	W-15	1.1E 1	NO DATA
	(0)		(-1.7 - 3.5)E 1		(-9.8 - 351.0)E -1	
			(0/ 68)		(0/ 4)	
Ag-108m	(68)		9.9E -2	W-3	1.3E 0	NO DATA
	(0)		(-2.2 - 3.2)E 0		(2.8 - 32.3)E -1	
			(0/ 68)		(0/ 4)	
Ag-110m	(68)		2.9E -1	W-9	1.4E 0	NO DATA
	(0)		(-2.5 - 3.9)E 0		(-1.4 - 20.7)E -1	
			(0/ 68)		(0/ 4)	
Sb-124	(68)		-3.6E -1	W-12	2.3E 0	NO DATA
	(0)		(-6.6 - 7.8)E 0		(-4.7 - 7.8)E 0	
			(0/ 68)		(0/ 4)	
Sb-125	(68)		2.0E -1	W-3	3.2E 0	NO DATA
	(0)		(-9.3 - 7.6)E 0		(-4.8 - 76.2)E -1	
			(0/ 68)		(0/ 4)	
I-131	(68)	1	4.2E -1	W-14	5.3E 0	NO DATA
	(0)		(-8.8 - 15.6)E 0		(-2.8 - 156.0)E -1	
			(0/ 68)		(0/ 4)	
Cs-134	(68)	15	1.4E -1	W-1	1.1E 0	NO DATA
	(0)		(-3.1 - 4.1)E 0		(-1.1 - 3.3)E 0	
			(0/ 68)		(0/ 4)	
Cs-137	(68)	18	2.4E -1	W-8	1.5E 0	NO DATA
	(0)		(-3.1 - 3.2)E 0		(1.1 - 2.1)E 0	
			(0/ 68)		(0/ 4)	
Ba-140	(68)	60	2.7E 0	MW-21	8.8E 0	NO DATA
	(0)		(-1.3 - 2.6)E 1		(-3.6 - 26.3)E 0	
			(0/ 68)		(0/ 4)	
La-140	(68)	15	-2.5E -1	W-3	1.1E 0	NO DATA
	(0)		(-6.5 - 5.4)E 0		(-2.9 - 27.0)E -1	
			(0/ 68)		(0/ 4)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Ground Water (WG) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-141	(68)		-1.1E 0	W-5	2.5E 0	NO DATA
	(0)		(-8.9 - 7.4)E 0		(-1.7 - 5.3)E 0	
			(0/ 68)		(0/ 4)	
Ce-144	(68)		-1.3E 0	W-15	4.6E 0	NO DATA
	(0)		(-2.0 - 2.8)E 1		(7.8 - 67.1)E -1	
			(0/ 68)		(0/ 4)	
Ac-228	(68)		1.2E 0	W-11	6.2E 0	NO DATA
	(0)		(-1.6 - 2.8)E 1		(2.5 - 174.0)E -1	
			(0/ 68)		(0/ 4)	
Th-228	(68)		1.9E 0	W-5	4.8E 0	NO DATA
	(0)		(-6.4 - 12.0)E 0		(-4.1 - 10.9)E 0	
			(1/ 68)		(1/ 4)	

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Surface Water (WS) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
H-3	(8)	2000	1.7E 2	SWL-3	2.1E 2	NO DATA
	(0)		(-4.0 - 39.1)E 1 (0/ 8)		(-1.4 - 391.0)E 0 (0/ 4)	
Be-7	(22)		1.4E 0	SWL-2	2.7E 0	NO DATA
	(0)		(-1.4 - 1.0)E 1 (0/ 22)		(-9.1 - 9.0)E 0 (0/ 11)	
K-40	(22)		7.4E 0	SWL-2	7.8E 0	NO DATA
	(0)		(-3.2 - 6.2)E 1 (1/ 22)		(-2.1 - 3.4)E 1 (1/ 11)	
Cr-51	(22)		-1.2E 0	SWL-3	3.6E 0	NO DATA
	(0)		(-2.2 - 1.8)E 1 (0/ 22)		(-8.5 - 18.1)E 0 (0/ 11)	
Mn-54	(22)	15	3.9E -1	SWL-3	8.9E -1	NO DATA
	(0)		(-1.2 - 4.2)E 0 (0/ 22)		(-1.2 - 4.2)E 0 (0/ 11)	
Co-57	(22)		1.6E -1	SWL-3	1.6E -1	NO DATA
	(0)		(-1.5 - 1.4)E 0 (0/ 22)		(-1.2 - 0.8)E 0 (0/ 11)	
Co-58	(22)	15	-2.8E -1	SWL-2	-2.2E -1	NO DATA
	(0)		(-1.5 - 1.3)E 0 (0/ 22)		(-1.1 - 1.3)E 0 (0/ 11)	
Fe-59	(22)	30	6.3E -1	SWL-3	9.1E -1	NO DATA
	(0)		(-3.8 - 9.2)E 0 (0/ 22)		(-3.7 - 9.2)E 0 (0/ 11)	
Co-60	(22)	15	2.4E -1	SWL-2	5.1E -1	NO DATA
	(0)		(-2.5 - 3.8)E 0 (0/ 22)		(-1.3 - 3.8)E 0 (0/ 11)	
Zn-65	(22)	30	6.0E -1	SWL-2	6.7E -1	NO DATA
	(0)		(-2.5 - 4.1)E 0 (0/ 22)		(-2.5 - 3.5)E 0 (0/ 11)	
Se-75	(22)		-3.6E -1	SWL-2	-1.1E -1	NO DATA
	(0)		(-2.5 - 1.0)E 0 (0/ 22)		(-2.2 - 1.0)E 0 (0/ 11)	
Nb-95	(22)	15	3.0E -1	SWL-2	3.3E -1	NO DATA
	(0)		(-1.7 - 3.2)E 0 (0/ 22)		(-8.2 - 17.5)E -1 (0/ 11)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Surface Water (WS) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Station With Highest Mean Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Zr-95	(22)	30	3.0E -1	SWL-3	8.4E -1	NO DATA
	(0)		(-2.2 - 6.2)E 0		(-1.7 - 6.2)E 0	
			(0/ 22)		(0/ 11)	
Ru-103	(22)		-5.6E -1	SWL-3	-5.4E -2	NO DATA
	(0)		(-3.8 - 1.3)E 0		(-2.1 - 1.3)E 0	
			(0/ 22)		(0/ 11)	
Ru-106	(22)		1.2E 0	SWL-2	4.8E 0	NO DATA
	(0)		(-1.2 - 2.0)E 1		(-5.6 - 19.8)E 0	
			(0/ 22)		(0/ 11)	
Ag-108m	(22)		-1.0E -1	SWL-2	-9.0E -2	NO DATA
	(0)		(-2.9 - 1.0)E 0		(-2.9 - 1.0)E 0	
			(0/ 22)		(0/ 11)	
Ag-110m	(22)		-4.7E -1	SWL-2	-4.5E -1	NO DATA
	(0)		(-4.1 - 1.5)E 0		(-4.1 - 1.5)E 0	
			(0/ 22)		(0/ 11)	
Sb-124	(22)		9.1E -1	SWL-3	1.5E 0	NO DATA
	(0)		(-4.5 - 4.9)E 0		(-2.2 - 4.9)E 0	
			(0/ 22)		(0/ 11)	
Sb-125	(22)		8.5E -2	SWL-2	1.1E 0	NO DATA
	(0)		(-5.0 - 7.7)E 0		(-1.3 - 7.7)E 0	
			(0/ 22)		(0/ 11)	
I-131	(22)	1	3.5E -1	SWL-2	1.7E 0	NO DATA
	(0)		(-9.4 - 11.1)E 0		(-4.2 - 11.1)E 0	
			(0/ 22)		(0/ 11)	
Cs-134	(22)	15	-9.4E -2	SWL-3	-6.5E -2	NO DATA
	(0)		(-2.2 - 1.3)E 0		(-1.1 - 0.8)E 0	
			(0/ 22)		(0/ 11)	
Cs-137	(22)	18	-1.1E -1	SWL-2	-1.0E -1	NO DATA
	(0)		(-1.7 - 1.3)E 0		(-1.7 - 1.3)E 0	
			(0/ 22)		(0/ 11)	
Ba-140	(22)	60	1.9E -1	SWL-3	1.2E 0	NO DATA
	(0)		(-2.5 - 2.7)E 1		(-1.0 - 2.7)E 1	
			(0/ 22)		(0/ 11)	
La-140	(22)	15	-1.1E 0	SWL-3	-7.7E -1	NO DATA
	(0)		(-5.1 - 3.6)E 0		(-5.1 - 3.6)E 0	
			(0/ 22)		(0/ 11)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2018)

MEDIUM: Surface Water (WS) UNITS: pCi/liter

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean*** Range No. Detected**	Station With Highest Mean Station	Mean*** Range No. Detected**	Control Stations Mean*** Range No. Detected**
Ce-141	(22)		-1.5E 0	SWL-3	-4.5E -1	NO DATA
	(0)		(-6.3 - 5.6)E 0		(-6.3 - 5.6)E 0	
			(0/ 22)		(0/ 11)	
Ce-144	(22)		1.2E 0	SWL-3	2.5E 0	NO DATA
	(0)		(-1.2 - 1.3)E 1		(-1.0 - 1.3)E 1	
			(0/ 22)		(0/ 11)	
Ac-228	(22)		-4.8E -2	SWL-3	-3.8E -2	NO DATA
	(0)		(-6.2 - 18.1)E 0		(-4.5 - 8.1)E 0	
			(0/ 22)		(0/ 11)	
Th-228	(22)		2.0E 0	SWL-2	2.2E 0	NO DATA
	(0)		(-8.9 - 12.9)E 0		(-2.0 - 6.7)E 0	
			(1/ 22)		(0/ 11)	

* Non-Routine refers to radionuclides exceeding the Reporting Levels in ODCM Attachment 3.21 of the ODCM
** The fraction of sample analysis yielding detectable measurements (i.e., > MDC) is shown in parentheses.
*** Mean value is set to 0.0E 0 for calculated mean values with exponent less than E-06.

Table 3.2

2018
Environmental TLD Exposure Rate Measurements

(μR/hr.)

	Onsite TLDs	Offsite and Control TLDs	Highest Mean (SBN)
Mean	5 ± 0.3	5.6 ± 0.7	7.3 ± 0.2
Range	4.4 - 6.2	4.6 - 7.6	7.1 - 7.6
No. of Measurements*	48	60	4

*Each measurement was based on quarterly readings from three TLD elements.
Units are μR (micro-roentgen) per hour.

Table 3.3

2018
ENVIRONMENTAL TLD DATA SUMMARY

Exposure Rate
(μR/hr. ± 1 std. dev.)

Station Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Average Annual Exposure Rate (μR/hr)
T-01	5.0 ± 0.3	5.0 ± 0.4	5.4 ± 0.5	5.4 ± 0.2	5.2
T-02	5.0 ± 0.3	4.9 ± 0.3	5.0 ± 0.5	5.4 ± 0.2	5.1
T-03	4.7 ± 0.3	4.6 ± 0.3	4.7 ± 0.4	4.9 ± 0.2	4.7
T-04	5.6 ± 0.3	5.4 ± 0.5	5.5 ± 0.5	6.2 ± 0.4	5.7
T-05	5.0 ± 0.3	4.9 ± 0.3	5.1 ± 0.4	5.4 ± 0.2	5.1
T-06	4.9 ± 0.3	4.7 ± 0.2	5.1 ± 0.4	5.1 ± 0.2	5.0
T-07	4.9 ± 0.3	4.9 ± 0.2	4.8 ± 0.4	5.2 ± 0.3	5.0
T-08	5.4 ± 0.3	5.0 ± 0.2	5.1 ± 0.4	5.3 ± 0.3	5.2
T-09	4.5 ± 0.3	4.4 ± 0.3	4.4 ± 0.4	4.8 ± 0.4	4.5
T-10	5.1 ± 0.3	4.9 ± 0.3	5.0 ± 0.5	5.2 ± 0.2	5.1
T-11	5.2 ± 0.3	4.9 ± 0.3	4.7 ± 0.4	5.2 ± 0.2	5.0
T-12	5.3 ± 0.3	4.9 ± 0.3	4.9 ± 0.5	5.4 ± 0.4	5.1
NBF	5.5 ± 0.5	5.1 ± 0.2	5.9 ± 0.5	5.6 ± 0.2	5.5
SBN	7.1 ± 0.4	7.1 ± 0.3	7.6 ± 0.6	7.4 ± 0.3	7.3
DOW	5.1 ± 0.3	5.0 ± 0.3	5.3 ± 0.4	5.0 ± 0.4	5.1
COL	4.8 ± 0.3	4.6 ± 0.4	4.8 ± 0.4	5.1 ± 0.2	4.8
OFT-1	5.0 ± 0.3	4.8 ± 0.3	4.9 ± 0.4	5.3 ± 0.2	5.0
OFT-2	5.2 ± 0.3	5.0 ± 0.2	5.5 ± 0.7	5.6 ± 0.3	5.3
OFT-3	5.1 ± 0.3	5.1 ± 0.3	5.1 ± 0.4	5.7 ± 0.3	5.3
OFT-4	5.6 ± 0.6	5.0 ± 0.3	5.4 ± 0.4	5.9 ± 0.3	5.5
OFT-5	5.1 ± 0.3	5.1 ± 0.3	5.2 ± 0.7	5.6 ± 0.4	5.3
OFT-6	6.5 ± 0.4	5.9 ± 0.3	6.7 ± 0.5	6.7 ± 0.3	6.5
OFT-7	5.2 ± 0.3	5.0 ± 0.3	5.5 ± 0.5	5.5 ± 0.2	5.3
OFT-8	5.9 ± 0.3	5.7 ± 0.4	6.1 ± 0.5	6.6 ± 0.3	6.1
OFT-9	5.6 ± 0.4	5.1 ± 0.3	5.7 ± 0.5	5.8 ± 0.3	5.6
OFT-10	5.1 ± 0.4	5.0 ± 0.4	5.3 ± 0.4	5.3 ± 0.2	5.2
OFT-11	6.1 ± 0.4	6.0 ± 0.3	6.8 ± 0.5	6.9 ± 0.3	6.5

4.0 ANALYSIS OF ENVIRONMENTAL RESULTS

4.1 Sampling Program Deviations

The ODCM states in Section 3.5 that the environmental sampling and analysis program shall be conducted as specified in Attachment 3.19 at the locations specified in the same attachment. Deviations are permitted from the required sampling schedule if specimens are unobtainable due to hazardous conditions, seasonal unavailability or malfunction of automatic sampling equipment. If specimens are unobtainable due to sampling equipment malfunction, every effort shall be made to complete corrective action prior to the end of the next sampling period.

All deviations from the sampling schedule shall be documented in the Annual Radiological Environmental Operating Report pursuant to Section 3.5.2 of the ODCM. In addition, sampling program deviations are documented in Data Sheet 1, Documentation of Unavailable Samples, of CNP procedure 12-THP-6010-RPP-643, Quarterly Review of Radiological Environmental Monitoring Program (REMP) Data, and in the Corrective Action Program (CAP) by way of an Action Request (AR) or General Tracker (GT).

The following deviations were noted for the 2018 sampling program:

1. 1/1-1/31/2018, 2/1-2/22/2018, and 2/25-2/26/2018: No surface water samples were obtained due to ice buildup along the shore of Lake Michigan. In addition, on 2/23/2018 and 2/24/2018, only location SWL-3 could be sampled. This was entered into the corrective action program to document this program deviation. Seasonal unavailability of surface water samples is expected during this time of the year due to seasonal environmental conditions and cannot be prevented.
2. 1/1/2018 through 12/31/2018: The required indicator milk samples (minimum of three) were not collected due to the retirement of farm operators and inability to locate suitable replacement farms. The milk program continued to be suspended in 2018. This has been the case since 2010. GT 00102954-01 documents this event and the commencement of broadleaf sampling in lieu of milk. A condition report was initiated in November of 2011. The condition report reviewed the broadleaf program in full and determined it to be an adequate substitute for milk sampling. The Land Use Census, performed annually by CNP, is used to identify dairy farms. However, no new dairy farms were identified in 2018. Broadleaf sampling in lieu of milk was performed.
3. 5/2/2018: ONS-1 lost power at 22:25 during a storm with high winds. ONS-1 is located off Rosemary Road in the wooded dunes north of the plant, on plant property. The loss of power was due to the Rosemary Road feed losing power. Power was restored approximately 15 hours later at 13:39. This loss did not affect sampling or the viability of the sample. These power losses were entered into the corrective action program.
4. 5/30/2018: On May 30th during the weekly Radiological Environmental Monitoring Program (REMP) sample change out, it was noted that air station sampler on site designated as "ONS-2" air sample pump had ceased working. There was power to the sampling station but the pump was not running. No telemetry notices were received because power was available. The pump was

immediately replaced with a newly calibrated one and it was verified that this pump did operate as expected. The deficient pump was brought in to the Radiation Protection (RP) instrument technician for evaluation. It was verified that this pump was having issues. The REMP Supervisor was immediately notified. These pumps are approximately 8 years old, and when in operation, run 24-7 under all weather conditions. The vendor has been contacted to establish the expected years of reliable operation from these instruments. With this information, it will be known whether new pumps need to be purchased. The pump (DFI-11359), with a calibration due date of 9-21-18, collected 129,971 liters during a period of 1 day, 14 hours and 51 minutes. This volume was not enough per the requirements of GEL Laboratories (300,000 liters); therefore, the sample was not viable. This incident was entered into the corrective action program.

5. The second of two fish samplings was not performed due to environmental hazardous conditions (fog and waves). However, additional sport fish samples were collected in 2018. This incident was entered into the corrective action program. To prevent recurrence benchmarking was performed and options were discussed with Michigan's Department of Fish and Wildlife. As of 2019, gill net fishing will be replaced with line fishing.

6. 10/17/2018: It was noted that ONS-2 had ceased working. There was power to the sampling station but the pump was not running. No telemetry notices were received because power was available. The pump was immediately replaced with a newly calibrated one and it was verified that this pump did operate as expected. The deficient pump was brought in to the RP instrument technician for evaluation. The pump (DFI-11361), with a calibration due date of 3-10-2019, collected 5318 liters during a period of 1 hour and 34 minutes. This volume was not enough per the requirements of GEL Laboratories (300,000 liters); therefore, the sample is not viable. This incident was entered into the corrective action program.

4.2 Comparison of Achieved LLD with Requirements

Attachment 3.20 from the ODCM (Table 2.3 in this report) lists the Lower Limits of Detection (LLDs) requirements for routine environmental sample analyses. The LLD's are "a priori" (before the fact) commitments to ensure measurements meet criteria for the ability of a system to detect small amounts of radioactivity. The Minimum Detectable Concentration (MDC) is calculated by the laboratory for a given measurement. The MDC is an "a posteriori" (after the fact) evaluation that quantifies the smallest activity that can be measured with the actual sample and system parameters. The MDC is compared to the LLD to ensure compliance to the requirements is achieved. Appendix D includes flags in the far right hand margin for any occurrences of exceeded MDC's.

As discussed in Section 3.5.2 Bases of the ODCM, on occasion, an LLD may not be achieved due to situations such as a low sample volume. In such a case, the ODCM requires the identification and discussion of the contributing factors in the Annual Radiological Environmental Operating Report. These factors are summarized below.

There was one missed LLD in 2018, on a surface water sample for nuclide La-140. The reason for the missed LLD was due to the short half-life of the

nuclide. The concentration was less than both the MDC and LLD. This did not reach the threshold for entry into the corrective action program.

4.3 Results Compared Against Reporting Levels

ODCM Section 3.5.2 requires a discussion in the Annual Radiological Environmental Operating Report of any instance that a radionuclide concentration exceeds the reporting levels given in Attachment 3.21 (Table 2.4 in this report). Reporting Levels are the environmental concentrations that relate to the As Low as Reasonably Achievable (ALARA) design dose objectives of 10 CFR 50, Appendix I. It should be noted that environmental concentrations are averaged over calendar quarters for the purposes of this comparison, and that Reporting Levels apply only to measured levels of radioactivity due to plant effluents.

No Reporting Levels were exceeded in 2018.

4.4 Data Analysis by Media Type – Discussion

The 2018 REMP data for each media type are discussed below. Graphical plots of monitoring data are also shown in Figures 4.1 to 4.7. Details of results of gamma isotopic analyses are listed in Table 3.1 and full details of all measurements are in Appendix D.

4.4.1 Air Particulate

Air particulates were collected weekly on 47 mm particulate filters at six indicator locations and four control locations, and analyzed for gross beta radioactivity. On a quarterly basis, a gamma isotopic analysis was performed on the composite of each location's weekly particulate sample media.

Figure 4.1 shows the gross beta concentrations in air particulate filters collected for the operating period of the past ten years. Gross beta concentrations were detectable on all particulate samples, both indicator and control locations.

There was a discernible increase in the counts at all stations starting in the middle of 2010 and continuing through 2012, as shown in Figure 4.1. When an average AREVA ELAB response, on a monthly basis is compared to the average GEL response, there is an average increase of approximately 40%. It should be noted that this increase was found in both control samples as well as indicators, and followed the historical trending over the course of the year. This relative increase is attributed to differences in analytical method between the AREVA ELAB (historical data before the second half of 2010) and GEL, (since the second half of 2010 through 2018). The reason for the step increase is related to the change in the gross beta counting equipment configurations and reference calibration standards used by the AREVA lab and GEL. Both labs use(d) gas proportional counting of the filter element. However, AREVA applied a Cs-137 calibration source while the GEL uses a Tc-99 calibration source. In the case of the AREVA data record, the Cs-137 detection efficiency (approximately 34%) was applied to the "gross"

counts to determine the apparent activity. This inherently presumes that the radioactivity in a field sample is all Cs-137. In the case of the GEL data record, the Tc-99 efficiency (21%) is applied to the same "gross" counts as if the entire radioactivity in this case is Tc-99. The result is two different gross beta radioactivity determinations for the same level of environmental activity. In application, this is not an adverse condition in that the gross beta counting is used as a qualitative indicator of changes in environmental conditions, not as a quantitative measure of the actual radioactivity since the comparison of the response curves for each monitoring station, including the control station, are similar over time, and the curves indicate that there is no detectable influence from a single nearby point source such as the CNP.

It can be seen in Figure 4.1 that the annual average gross beta air particulate counts from 2012-2013 and from 2013-2014 exhibit a 20% decrease in both indicator and control locations, each year. No plant related radionuclides were detected on the air particulate composite filters indicating that the changes in the gross beta activity is likely due to naturally occurring radionuclides. Air particulate activity sampling can depend upon local weather conditions, global weather patterns as well as sampling methodology. Possible sources of this change to average trend line could be:

- Unusually harsh weather conditions experienced locally which would lock potential airborne radioactivity in frozen soil or under snow,
- Changes (increases) in the local average rainfall which would reduce the amount of airborne particulates available to influence the air particulate samples,
- Changes in global weather patterns effecting transportation of suspended airborne particulates and deposition due to washout mechanisms, or
- A decrease in the source of manmade background sources, such as past atmospheric nuclear weapons testing or nuclear accidents such as those at Fukushima Daiichi.

Notable in the graph, shown in Figure 4.2, is a distinct annual cycle. The gross beta concentration fluctuations over the year were attributed to seasonal changes in the naturally occurring airborne radioactivity levels. This conclusion was based on the similarity in fluctuations noted in gross beta concentrations at both the indicator stations and control stations.

Results for gamma isotopic analyses performed on quarterly composites of the weekly particulate samples have been listed in Table 3.1. The presence of naturally occurring Be-7 was detected in all of the indicator and control samples. No other radionuclides were detected in the quarterly composites of the weekly air particulate samples.

In summary, the information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's "Pre-Operational Radiological Monitoring Program" (PRMP) [see Appendix E]. In addition, no significant difference was noted between the average monthly gross beta concentration at the indicator and the control stations. Therefore, the results were not due to plant operations.

Figure 4.1

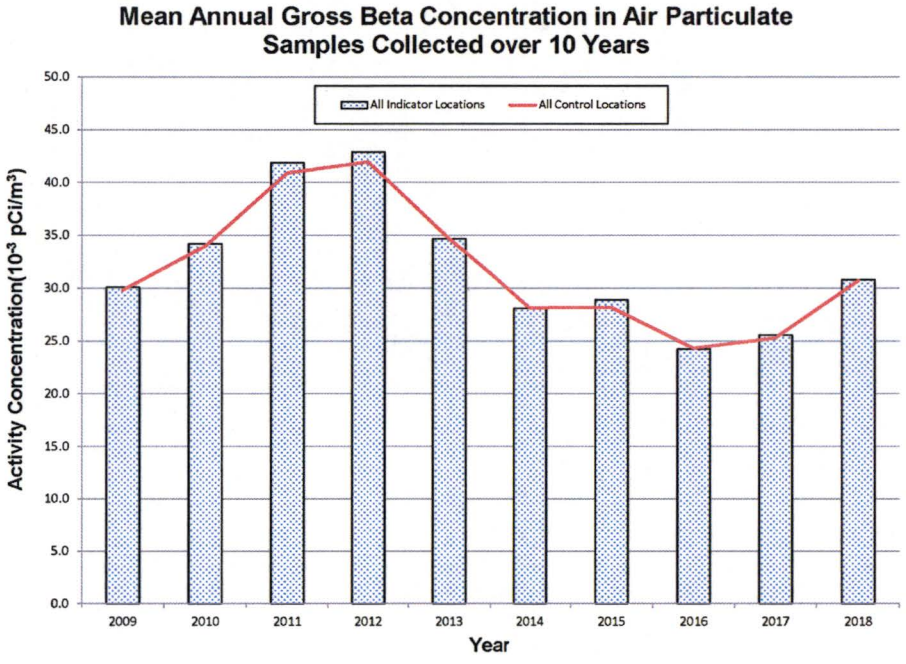
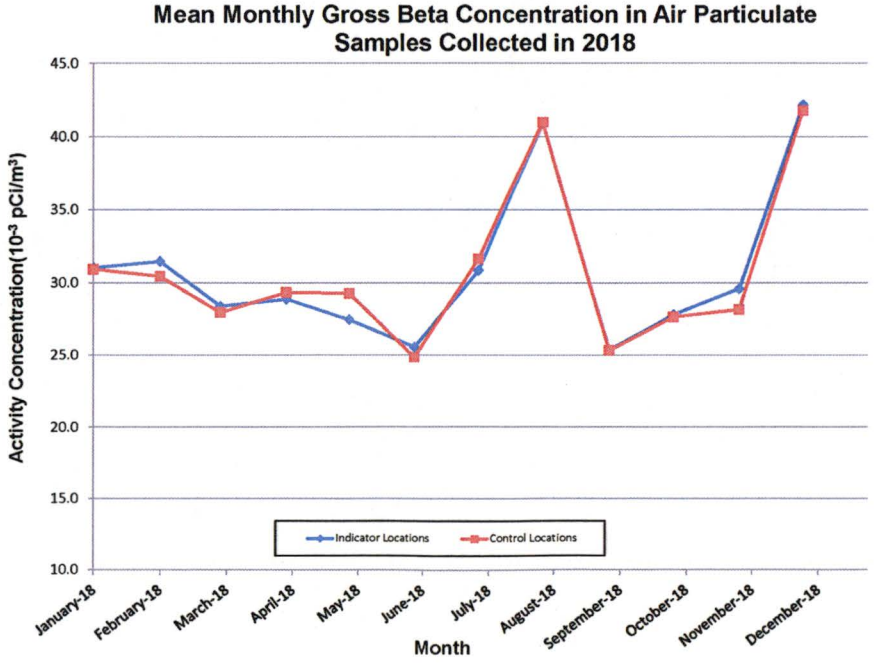


Figure 4.2



4.4.2 Airborne Iodine

Airborne iodine sample media were collected weekly in conjunction with the air particulate sample media replacement. (See Section 4.1 for sampling program deviations.) These media were analyzed for Iodine-131.

No Iodine was detected above the MDC in 2018. Full details of all measurements can be found in Appendix D.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP.

4.4.3 Groundwater (Well)

Groundwater samples were collected from seventeen well locations on a quarterly frequency and analyzed for gamma isotopic and tritium [See Table 3.1].

The presence of K-40 was identified in two samples and Th-228 was identified in one sample out of sixty-eight samples. The presence of K-40 and Th-228 in groundwater samples is attributed to natural occurrences since they are not fission or activation products related to plant operations.

Tritium was not detected above the associated MDC in any 2018 groundwater sample.

Figure 4.3 and 4.4 plot the measured activity of tritium, when detected at levels above the MDC. For years where no tritium was detected above the MDC, no values were plotted.

While ground water sampling was not performed as part of CNP's PRMP, the information detailed above was evaluated and found to be consistent with data obtained during the plant's operational history. Therefore, the results were not due to plant operations.

Figure 4.3

Tritium Detected in Groundwater Over the Past 10 Years (W1-W7)

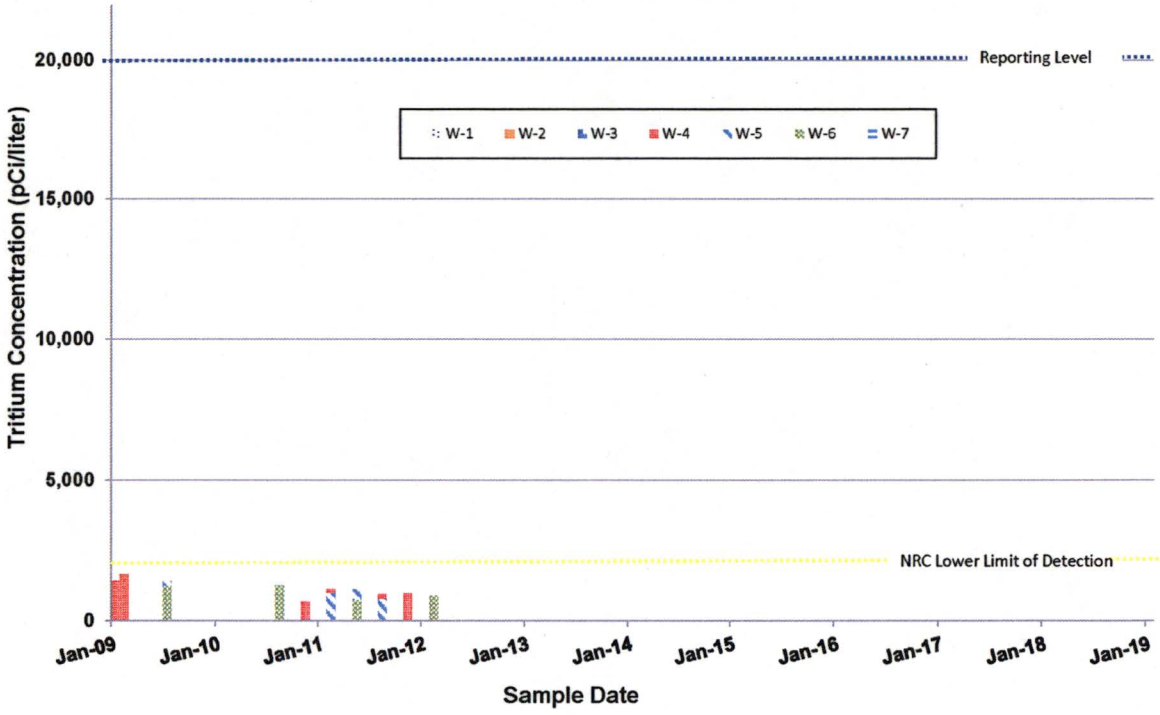
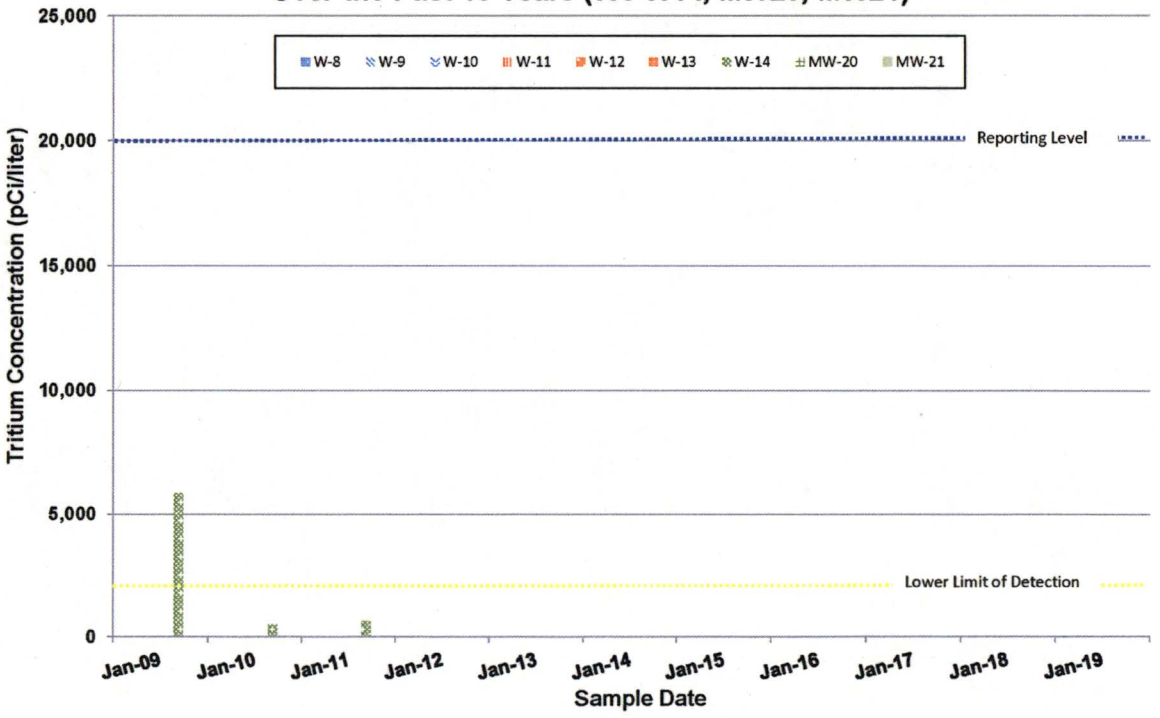


Figure 4.4

Tritium Detected in Groundwater Over the Past 10 Years (W8-W14, MW20, MW21)



4.4.4 Drinking Water

Drinking water samples were collected daily from one indicator and one control station. A 14-day composite was analyzed for gamma isotopic and gross beta radioactivity. A quarterly composite was analyzed for tritium.

A specific Iodine-131 low-level analysis performed on all samples indicated that no Iodine-131 was present.

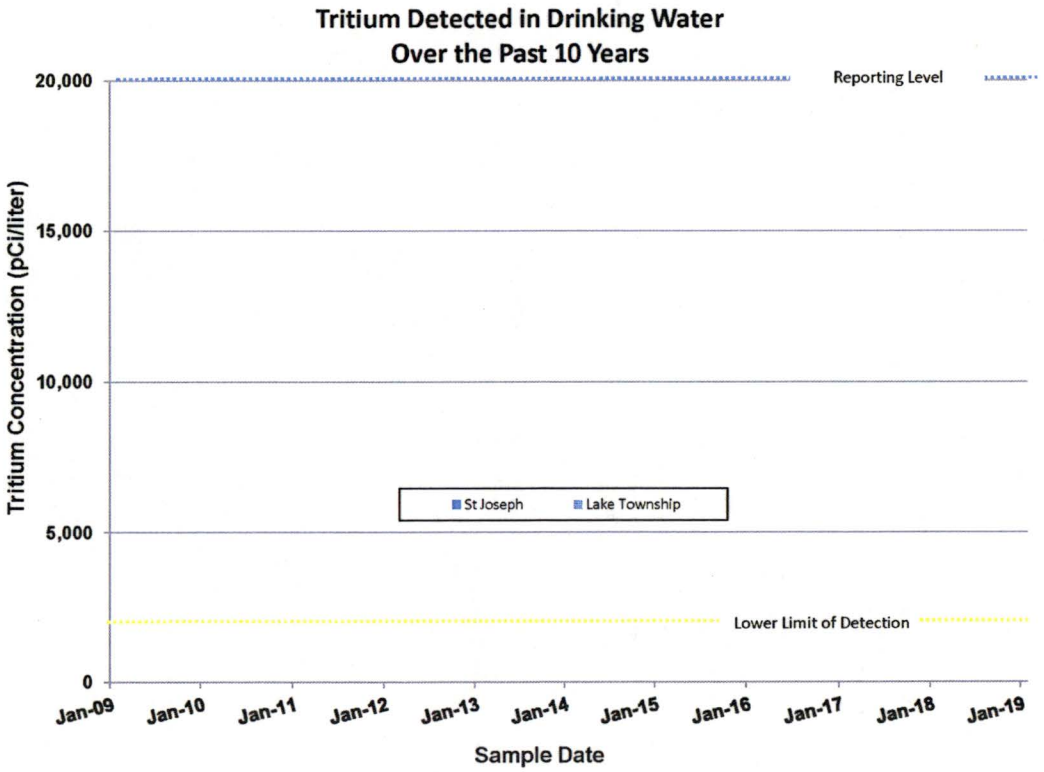
Figure 4.5 shows a plot of the tritium data going back 10 years. Only measurements that were detected at levels above the MDC were plotted. No tritium was detected in drinking water samples in 2018.

During 2018, the presence of gross beta radioactivity was not identified in any indicator or control samples.

Two gamma-emitting radionuclides were detected above the MDC, naturally occurring K-40 and Th-228, in control samples in 2018. As such, it is not due to plant operations.

While drinking water sampling was not performed as part of CNP's PRMP, the information detailed above was evaluated and found to be consistent with data obtained during the plant's operational history.

Figure 4.5



4.4.5 Surface Water

Surface water samples were collected daily from two indicator locations, when available (See section 4.1 for sampling program deviations). Monthly composites were analyzed for gamma-emitting radionuclides and quarterly composites were analyzed for tritium. Two gamma-emitting radionuclides were detected above the MDC, naturally occurring K-40 and naturally occurring Th-228. Tritium was not detected above the MDC in any of the samples collected in 2018.

The information detailed above was evaluated and found to be consistent with data obtained during past operational periods and the conduct of CNP's PRMP. There was no impact to this sample medium from plant operations in 2018.

4.4.6 Sediment

Semiannual samples of lake sediments were collected from two indicator stations and analyzed for gamma-emitting nuclides. During 2018, K-40 and Th-228 were detected in all four samples. Additionally, one sample contained Ac-228. These radionuclides are all naturally occurring with Ac-228 and Th-228 being associated with the naturally occurring thorium decay series. No other gamma-emitting nuclides were detected in any of the samples collected in 2018. Unlike many past operational and pre-operational periods where traces of Cs-137 were found, no detectable Cs-137 was identified in 2018 samples [See Table 3.1].

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP and the presence of naturally occurring radionuclides (K-40 and Ac/Th-228) was not attributed to plant operation.

4.4.7 Milk

Milk samples were not collected during 2018, as milking operations ceased at the indicator farm (Shafer) in September 2014, and at the control farm (Livinghouse) in October 2014.

CNP Corrective Action program condition reports had previously been written to document the milk farm events and to validate the adequacy of the broadleaf and milk sampling process.

4.4.8 Food Products & Vegetation

Vegetation samples (broadleaf) analyzed for gamma-emitting nuclides identified the presence of naturally occurring Be-7 and K-40 in all samples from both indicator and control locations. No other gamma-emitting nuclides were detected in any of the samples.

One annual sample of food products (blackberries and grapes) each from three indicators and two control locations was analyzed for gamma-emitting nuclides. Analysis identified the presence of naturally occurring K-40 in both indicator and control samples and naturally occurring Be-7 in

one of the control samples. While food product sampling was not performed as part of CNP's PRMP, the information detailed above was evaluated and found to be consistent with data obtained during the plant's operational history. The presence of the naturally occurring detected radionuclide was not attributed to plant operations.

4.4.9 Fish

REMP fish samples were collected on one occasion at two indicator and two control locations (see Section 4.1 for sampling program deviations). K-40 was detected in all the samples. A trace level of Cesium-137 was observed in one indicator sample, with a concentration of 44.2 pCi/kg. Additionally, non-REMP perch, salmon, and trout sampling was initiated in the third quarter of 2011. Two of the five non-REMP indicator samples (perch and trout) had trace levels of Cs-137 (6.88 and 13.5 pCi/kg). All samples had K-40. These sample results were entered into the CNP Corrective Action program for trending purposes.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP and during the plant's operational history. With the historical detection of similar trace levels of radioactivity in both the indicator and control samples, the presence of the detected radionuclides was not attributed to plant operation.

4.4.10 Gamma Exposure Rate

Direct radiation was continuously measured at 27 locations surrounding CNP with TLDs. All TLDs were collected quarterly and processed by Stanford Dosimetry at the Environmental Dosimetry Company laboratory in Sterling, Massachusetts.

The results in Tables 3.2 and 3.3 show that the mean exposure rates for the onsite and offsite categories were not significantly different in total for 2018. As shown in Figure 4.6, there is a similar annual cycle at both onsite and offsite locations. The lowest point of the cycle typically occurred during the winter months. This is attributed primarily to the attenuating effect of the snow cover and frozen ground on radon emissions and on direct irradiation by naturally occurring radionuclides in the soil. Also contributing to the variation in radiation levels at different field sites was the varying distribution of radionuclides in the underlying soil, rock or nearby building materials. Figure 4.7 illustrates that the average trend line over the last ten years for the offsite stations runs slightly higher than that for the onsite stations, suggesting that there is no detectable plant component of direct radiation that can be seen above the natural background exposure rate.

In July 2010, the Environmental Dosimetry Company assumed responsibility for calibration and processing of the TLDs used for these activities. The Panasonic Model UD-814 AS4 TLDs that had historically been used to measure direct radioactivity around CNP continued to be in use.

The information detailed above was evaluated and found to be consistent with data obtained during the conduct of CNP's PRMP.

Figure 4.6
Direct Radiation – Quarterly TLD Results

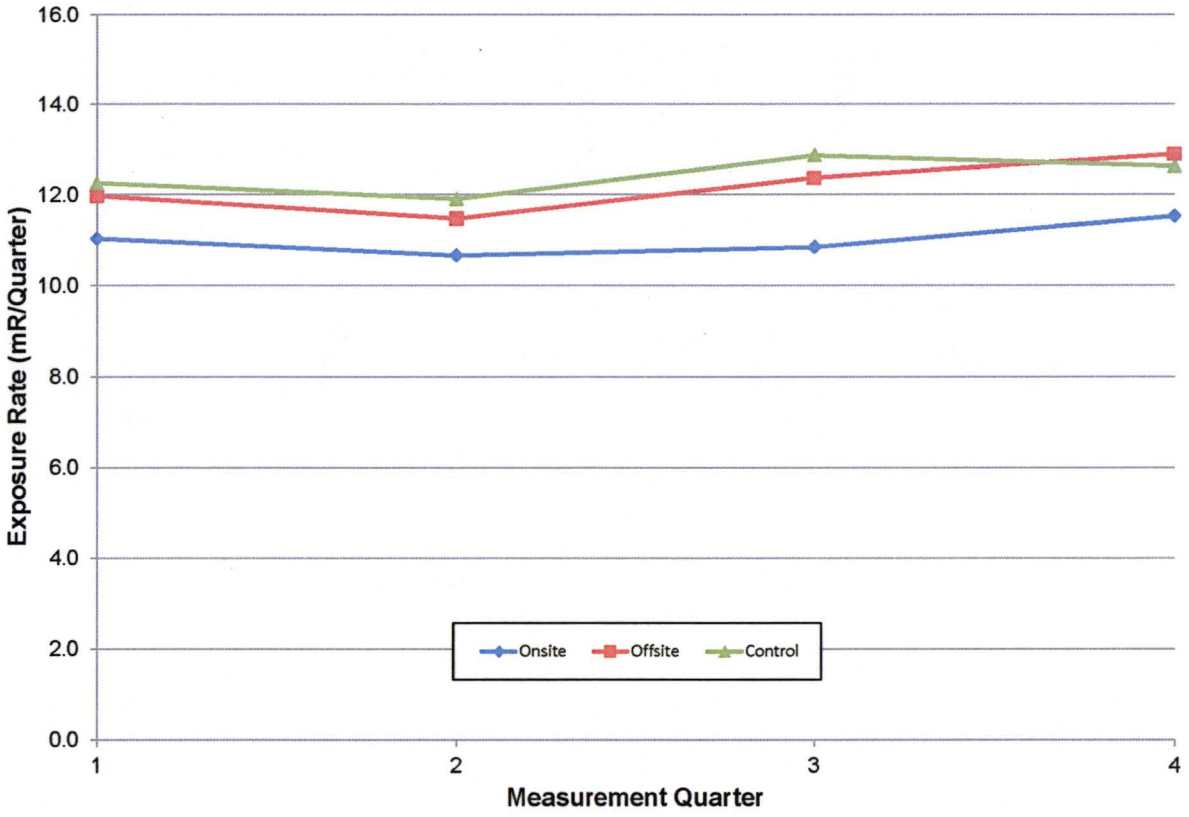
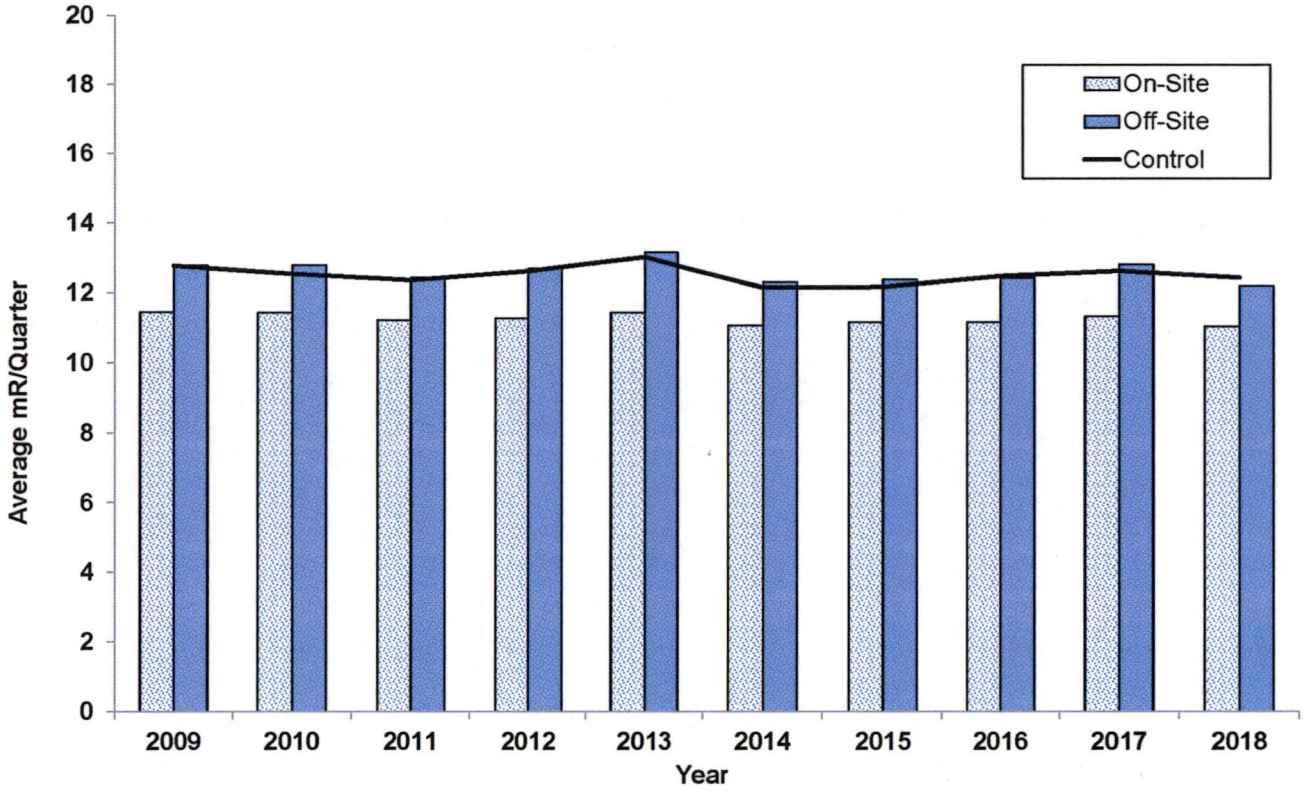


Figure 4.7

Direct Radiation, Annual Summary 10 Years Historical Trend



4.4.11 Additional Sample Analysis (non-ODCM required samples)

Groundwater (Radioactive Equipment Storage Facility, Steam Generator wells) – Two one-liter well water samples were taken at four locations quarterly. These samples were analyzed for tritium by GEL. The samples are also analyzed for gamma, gross beta, and gross alpha for tracking purposes [see Appendix D]. Gross beta activities were identified in fourteen out of fifteen samples and levels are consistent with historical values.

Gross alpha was identified in SG-4 and naturally occurring K-40 was identified in SG-5, both of which are consistent with historical results. Measured tritium activities in the samples were all found to be less than the MDC. No plot for this data was possible because since 2007, there has been no positive identification of tritium in the wells SG-1 through SG-5. Tritium in these wells is also being tracked by the CNP Groundwater Protection Initiative and is discussed further in Appendix F.

5.0 OFF-SITE DOSE EQUIVALENT COMMITMENTS

The purpose of this section is to evaluate off-site dose consequences (dose equivalent commitments) associated with CNP radioactive liquid and airborne effluents. The method utilizes Regulatory Guide 1.109/ODCM models and actual measurements of the concentrations of radioactivity in environmental media to compute the dose consequences resulting from the consumption of these foods. The doses are based on an assumption that the individuals consume fish year round at the respective average Cs-137 concentrations determined during 2018. The maximum consumption rates from Regulatory Guide 1.109 are also assumed, although the consumption fraction was conservatively assumed to cover the entire time period in which Cesium was measured in the fish samples.

The dose commitments calculated in this section are compared to the ALARA dose objectives of 10CFR50 Appendix I for liquid and/or gaseous effluents. These standards are a fraction of the average USA background radiation of 300 mrem per year given in NCRP 94 (Reference 2).

Trace levels of Cesium-137 were detected in one REMP fish sample and two non-REMP samples, are detailed in Table 5.1, and dose summarized in Table 5.2. The concentrations ranged from 6.9 to 44.2 pCi/kg, all of which are well below the required LLD of 150 pCi/kg. The presence of this radionuclide was determined to not be the result of operations at the CNP. Given that, the dose impacts from ingestion of the radionuclide yielded a maximum dose of 3.23E-02 mrem/year total body (for the adult age group) and 5.13E-02 mrem/year to the liver (for the teen age group). This represents 1.1% and 0.5% of the total body and organ dose objectives of 10CFR50 Appendix I (3 mrem/yr. and 10 mrem/yr., respectively).

Table 5.1: Cs-137 Concentration in Fish Samples

Media	Station	Sample	Concentration (pCi/kg)	Date
Fish	ONS-N	451301002	44.2	5/24/2018
Fish	Trout	453153001	13.5	6/19/2018
Fish	Perch	454548001	6.88	7/11/2018
		Average	21.5	

Cesium-137 was not detected in broadleaf vegetation or food samples.

Table 5.2, below, summarizes each of the dose commitments calculated for each of the media, that had positive results for radionuclides that are not naturally occurring.

Table 5.2: Summary of Off-Site Dose Commitments

Media	Radionuclide	Limiting Organ [age group]	Organ Dose (mrem/yr.)	Whole Body Dose (mrem/yr.)
Fish	Cs-137	Liver [Teen]	5.13E-02	3.23E-02

6.0 SUMMARY OF REMP, ODCM, AND VENDOR PROCEDURE CHANGES

The ODCM was not revised in 2018.

The following changes were made to CNP REMP procedures in 2018:

Procedure No.: 12-THP-6010-RPP-632 Rev. No.: 12
Title: Collection of Environmental Air Samples

Alteration	Justification
Enhanced procedure for clarity and knowledge transfer and retention. Removed blurry map, added a table with GPS coordinates, and address of sampler location.	Improved clarity and ease of understanding.

Procedure No.: 12-THP-6010-RPP-634 Rev. No.: 15
Title: Collection of REMP Groundwater Samples

Alteration	Justification
Minor editorial changes were made to improve readability and to close the knowledge gap regarding operation of portable generator and communications with plant personnel.	Provide further directions. Improved ease of understanding.

Procedure No.: 12-THP-6010-RPP-638 Rev. No.: 12
Title: Collection of Food Products and Broadleaf Samples

Alteration	Justification
Enhanced procedure for ease of use and clarification. Added Sample Requirements figure to match ODCM and Table 3.12-1 of NUREG 1301.	Improved clarity and ease of use.

There were no revisions to procedures for the Environmental Dosimetry Company in 2018.

Table 6.1 below summarizes the changes made by GEL Laboratories during 2018 to the procedures that are used for the Donald C. Cook Nuclear Plant REMP.

Table 6.1

GEL 2018 Procedure Changes

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-ADM-E-001	19	Preparation, Authorization, Revision, Release, and Retirement of Standard Operating Procedures	24-Jul-18	Revision
GL-CHL-B-004	1	DOE Total Uranium Checklist	25-Oct-18	Deletion
GL-CHL-B-012	11	Radiochemistry Total Uranium Checklist	22-Feb-18	Deletion
GL-CHL-B-026	2	Alpha Spec Instrument Calibration Package Review Checklist	13-Feb-18	Deletion
GL-CHL-B-027	3	Bioassay Sample Receipt and Review Form	12-Feb-18	Deletion
GL-CHL-B-031	0	PNNL Bioassay Sample Receipt Review	18-Jul-18	New Document
GL-CHL-RAD-002	0	Carrier Reweigh Checklist	14-Feb-18	Deletion
GL-CHL-RAD-012	0	Ra-228 Drinking Water Reweigh Checklist	22-Feb-18	Deletion
GL-CHL-RAD-013	4	Radiochemistry Batch Checklist	14-Feb-18	Deletion
GL-CHL-RAD-014	0	Recount Checklist	14-Feb-18	Deletion
GL-CHL-RAD-026	0	Radiochemistry ICPMS Prep Batch Data Checklist	14-Feb-18	Deletion
GL-CHL-RAD-027	3	Radiochemistry ICPMS Data Checklist	14-Feb-18	New Document
GL-CHL-RAD-028	3	Radiochemistry ICPMS Calculation Batch Checklist	13-Feb-18	Deletion
GL-CHL-RAD-028	3	Radiochemistry ICPMS Calculation Batch Checklist	14-Feb-18	Deletion
GL-CHL-SR-001	5	Sample Receipt and Review Form	28-Dec-18	New Document
GL-CHL-SR-002	1	Survey Release Form	27-Apr-18	Revision
GL-CHL-WM-001	0	Hazardous Waste Drum Inspection Checklist	23-Feb-18	Deletion
GL-CO-E-002	9	Delegated Authority to Commit the Company	25-Apr-18	Revision
GL-GC-E-009	15	Conductivity and Salinity	31-Jan-18	Revision
GL-GC-E-047	21	Methylene Blue Active Substance	31-Jan-18	Revision
GL-GC-E-073	8	Free Cyanide Analysis by Microdiffusion	10-Apr-18	Revision
GL-GC-E-092	9	General Chemistry Data Review and Packaging	24-Jul-18	Revision
GL-GC-E-094	15	N-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM, Non-Polar Material) in Aqueous Matrices	31-Jan-18	Revision
GL-GC-E-095	21	Cyanide Analysis by Lachat QuikChem 8000 FIA	21-Mar-18	Revision
GL-GC-E-127	6	Modified Elutriate Test	24-Jul-18	Revision
GL-IT-E-009	5	Archive and Retrieval of Systems Information	30-Aug-18	Revision
GL-IT-E-014	5	Disaster Recovery	27-Aug-18	Revision
GL-LB-E-001	18	The Determination of Method Detection Limits and Method Quantitation Limits	9-Feb-18	Revision
GL-LB-E-008	10	Basic Requirements for the Use and Maintenance of Laboratory Notebooks, Logbooks, Forms and Other Recordkeeping Devices	11-Oct-18	Revision
GL-LB-E-013	13	CLP-Like/DOE Data Package Assembly and	17-Apr-18	Revision

SOP#	Rev	SOP Title	Issue Date	DIRR Type
		Revision		
GL-LB-E-026	6	Container Suitability Testing	8-May-18	Revision
GL-LB-G-001	22	Laboratory Waste Management Plan	6-Jul-18	Revision
GL-MA-E-009	27	Acid Digestion of Sediments, Sludges, and Soils	8-May-18	Revision
GL-MA-E-013	30	Determination of Metals by ICP	9-Nov-18	Revision
GL-MA-E-014	32	Determination of Metals by ICP-MS	24-Jul-18	Revision
GL-OA-E-003	29	Non-Volatile Total Petroleum Hydrocarbons by Flame Ionization Detector	18-May-18	Revision
GL-OA-E-004	26	Volatile Total Petroleum Hydrocarbons by Flame Ionization Detector	12-Jun-18	Revision
GL-OA-E-009	39	Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry	31-Jan-18	Change
GL-OA-E-009	40	Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry	19-Oct-18	Change
GL-OA-E-010	27	Extraction of Semivolatile and Nonvolatile Organic Compounds from Soil, Sludge, and Other Miscellaneous Solid Samples	15-Aug-18	Change
GL-OA-E-013	32	Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater, and Other Aqueous Samples	15-Aug-18	Change
GL-OA-E-015	18	The Extraction of Herbicides from Groundwater, Wastewater and Other Aqueous Samples	14-Aug-18	Change
GL-OA-E-020	12	Percent Moisture	13-Jun-18	Change
GL-OA-E-026	26	Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer	31-Jan-18	Revision
GL-OA-E-039	12	Closed-System Purge-and-Trap Collection and Extraction: Volatile Organics in Soil and Waste Samples	27-SEP-0158	Revision
GL-OA-E-040	24	The Analysis of Polychlorinated Biphenyls by GC/ECD	30-Jan-18	Change
GL-OA-E-041	18	Organochlorine Pesticides and Chlorinated Hydrocarbons	30-Jan-18	Change
GL-OA-E-046	10	Common Industrial Solvents, Glycols, and Various Organic Compounds by Flame Ionization Detector	28-Mar-18	Change
GL-OA-E-054	7	The Determination of Gasoline Range Organics Using Flame Ionization Detection Per Alaska Method -AK101	6-Jul-18	Revision
GL-OA-E-058	9	Volatile Storage Blanks	27-Sep-18	Revision
GL-OA-E-061	4	Haloacetic Acids in Water	21-Sep-18	Change
GL-OA-E-066	8	Automated Soxhlet Extraction	14-Aug-18	Change
GL-OA-E-067	14	Definitive Low Level Perchlorate Analysis Utilizing Liquid Chromatography/Mass Spectrometry/Mass Spectrometry (LC/MS/MS) by EPA Method 6850 Modified (6850M)	28-Sep-18	Revision
GL-OA-E-070	9	Solid-Phase Extraction	19-Apr-18	Change
GL-OA-E-074	2	Massachusetts Volatile Petroleum Hydrocarbons by Photoionization and Flame Ionization Detectors	18-Jun-18	Revision
GL-OA-E-076	4	The Extraction and Analysis of Per and Polyfluroalkyl	13-Mar-18	Revision

SOP#	Rev	SOP Title	Issue Date	DIRR Type
		Substances Using LCMSMS		
GL-OA-E-076	5	The Extraction and Analysis of Per and Polyfluroalkyl Substances Using LCMSMS	19-Apr-18	Revision
GL-OA-E-077	0	The Extraction and Analysis of Cannabinoids by QuEChERS and GC/MS SIM	30-Oct-18	New Document
GL-OA-E-080	0	The Analysis of Naphthalene Sulfonate Using High Performance Liquid Chromatography	28-Dec-18	New Document
GL-QS-B-001	31	Quality Assurance Plan	15-Mar-18	Change
GL-QS-B-002	10	DoD ELAP Quality Assurance Plan	15-Jun-18	Revision
GL-QS-E-004	12	AlphaLIMS Documentation of Nonconformance Reporting and Dispositioning and Control of Nonconforming Items	30-Oct-18	Revision
GL-QS-E-012	8	Client NCR Database Operation	22-Feb-18	Revision
GL-QS-E-018	1	Communication of Substantial Nonconforming Safety Related Services	11-Jan-19	Revision
GL-RAD-A-001	19	The Determination of Gross Alpha And Gross Non-Volatile Beta in Water	24-May-18	Change
GL-RAD-A-001B	18	The Determination of Gross Alpha And Gross Non-Volatile Beta in Soil, Filters, Solid Matrices And Direct Count Air Filters	24-May-18	Change
GL-RAD-A-003	15	The Determination of Carbon-14 in Water, Soil, Vegetation and Other Solid Matrices	15-Mar-18	Revision
GL-RAD-A-004	19	The Determination of Strontium 89/90 in Water, Soil, Milk, Filters, Vegetation and Tissues	24-May-18	Change
GL-RAD-A-007	12	The Determination of Radon-222 in Water	15-Mar-18	Revision
GL-RAD-A-008	14	The Determination of Radium-226	9-Jan-18	Revision
GL-RAD-A-010	16	Total Alpha Radium Isotopes in Soil and Water	18-Apr-18	Change
GL-RAD-A-016	17	The Determination of Radiometric Polonium	21-Mar-18	Revision
GL-RAD-A-019	8	Determination of Phosphorus-32 in Soil and Water	11-Apr-18	Revision
GL-RAD-A-021	22	Soil Sample Preparation for the Determination of Radionuclides	13-Jun-18	Change
GL-RAD-A-023	19	Total Uranium in Environmental Samples by Kinetic Phosphorescence	3-Oct-18	Deletion
GL-RAD-A-032	21	The Isotopic Determination of Neptunium/Thorium	19-Nov-18	Revision
GL-RAD-A-035	19	The Isotopic Determination of Plutonium-241	28-Sep-18	Revision
GL-RAD-A-035	20	The Isotopic Determination of Plutonium-241	21-Dec-18	Revision
GL-RAD-A-044	8	Total Alpha Radium Isotopes in Drinking Water	18-Apr-18	Change
GL-RAD-A-046	9	The Determination of Radium-224 and Radium-226 by Alpha Spectroscopy	11-Oct-18	Revision
GL-RAD-A-047	7	48 Hour Rapid Gross Alpha Test	24-May-18	Change
GL-RAD-A-048	9	The Determination of Calcium-45 in Soils and Waters	13-Apr-16	Revision
GL-RAD-A-051	6	The Rapid Determination of Strontium 89/90 by Cerenkov Counting	16-Apr-18	Revision
GL-RAD-A-052	5	The Determination of Organically Bound Tritium	16-Apr-18	Revision
GL-RAD-A-053	5	Isotopic Determination of Plutonium in Large Water Resin Samples	18-Apr-18	Revision

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-RAD-A-054	3	The Determination of Strontium-90 in Brine	24-May-18	Change
GL-RAD-A-055	4	The Preparation of Environmental Samples for Isotopic Uranium Analysis Via ICP-MS	24-Apr-18	Revision
GL-RAD-A-058	2	The Rapid Determination of Strontium 89/90 by Gas Flow Proportional Counting	27-Jul-18	Revision
GL-RAD-A-063	1	The Determination of Radium-228 Using DGA Cartridges	14-Jun-18	Revision
GL-RAD-A-066	1	The Determination of Radiometric Polonium Using DGA Cartridges	23-Apr-18	Revision
GL-RAD-A-068	0	The Determination of Americium, Curium, Plutonium, Uranium, and Thorium in Liquid and Solid Matrices Using Eichrom Resin	11-Oct-18	Revision
GL-RAD-B-005	8	Management of Blank Populations	30-Nov-18	Change
GL-RAD-B-013	24	Sequential Determination of Americium, Plutonium, Strontium, Plutonium-241, and Uranium in Fecal, Bone, and Tissue Samples	30-Aug-18	Revision
GL-RAD-B-018	21	Operation of the Chemchek Automatic KPA	4-Oct-18	Deletion
GL-RAD-B-019	13	Total Uranium in Bioassay Samples by Kinetic Phosphorescence	4-Oct-18	Deletion
GL-RAD-B-023	10	The Determination of Carbon-14 in Urine	12-Mar-18	Change
GL-RAD-B-025	8	The Combination and Preservation of Urine Samples	26-Nov-18	Revision
GL-RAD-B-026	15	Bioassay Data Review, Validation, and Data Package Assembly	29-Oct-18	Revision
GL-RAD-B-027	2	Specific Gravity in Urine	13-Jun-18	Revision
GL-RAD-B-029	1	The Determination of Radiometric Iodine in Urine	31-Jan-18	Revision
GL-RAD-B-030	5	The Preparation and Determination of Gamma Isotopes in Urine and Fecal Samples	30-Nov-18	Revision
GL-RAD-B-034	14	The Determination of Metals by ICP-MS	30-Nov-18	Change
GL-RAD-B-035	6	The Preparation of Urine Samples for Total Uranium Analysis by ICP-MS	31-Jan-18	Revision
GL-RAD-B-039	3	The Determination of Iron-55 in Urine	27-Jul-18	Change
GL-RAD-D-003	42	Data Review, Validation and Data Package Assembly	19-Apr-18	Revision
GL-RAD-D-003	43	Data Review, Validation and Data Package Assembly	1-May-18	Revision
GL-RAD-I-013	5	Column Preparation	30-Nov-18	Revision
GL-RAD-I-018	0	Operation of Wallac 1480 of Gamma Wizard	14-Feb-18	Revision
GL-RAD-S-007	20	Receiving Radioactive Packages	25-Apr-18	Revision
GL-SR-E-003	5	The Inspection, Cleaning, and Screening of Sample Coolers	13-Jun-18	Revision
GL-SR-E-004	1	Control of Foreign Soils	16-Oct-18	Revision
GL-SVR-D-001	9	Design Specifications for the Network Infrastructure	23-Aug-18	Revision
GL-SVR-D-002	4	Design Specifications for the Mail Server.	30-Nov-18	Revision
GL-SVR-E-001	2	Network Infrastructure	8-Nov-18	Revision

7.0 REFERENCES

1. US NRC Radiological Assessment Branch Technical Position, "An Acceptable Radiological Environmental Monitoring Program," Revision 1, November 1979.

2. NCRP Report No. 94, Exposure of the Population in the United States and Canada from Natural Background Radiation, National Council on Radiation Protection and Measurements, 1987.

8.0 ERRATA

The 2016 AREOR contained an errata section identifying an error in Appendix B of the 2015 AREOR. However, the error (stating a distance as being 8 miles when the correct distance was 8 *kilometers*) was also present in page 10, section 2.5.9, Broadleaf Vegetation of the 2015 AREOR. Subsequent reports (2016 to date) now state the correct distance.

APPENDIX A

SYNOPSIS OF ANALYSIS TECHNIQUES

GEL Labs

GROSS ALPHA/BETA ANALYSIS

Air particulate samples, collected on a weekly basis aid in verifying the in-plant controls used for monitoring the release of radioactive materials. The samples are transmitted to the laboratory for gross beta radioactivity analysis. Air particulate samples are analyzed on a low background alpha/beta gas proportional counting unit, for a predetermined amount of time, following a delay to allow for the decay of radon products. Blank filters, either provided by the client, or of the same size and type as the client filters are used for background subtraction. If the beta activity concentration is greater than 0.2 pCi/m^3, the sample may need to be analyzed for individual gamma emitters. Each sample is composited by sampling location and held until the end of the quarter for a gamma isotopic analysis.

Environmental water samples are also analyzed for gross alpha and/or gross beta radioactivity. Measurable amounts of alpha and beta emitting radionuclides, either naturally occurring or artificially produced, are found in most environmental water samples. Gross alpha and gross beta measurements are rapid screening methods that may indicate the need for a more detailed isotopic analysis. Samples are evaporated to near dryness and quantitatively transferred to concentric ring, stainless steel planchets, where the evaporation is completed as described in EPA Method 900.0. A gas proportional counter is used for the measurement of gross alpha/gross beta radioactivity. Solid deposition is an interference in this method and must be accounted for during instrument calibration.

No decay is accounted for in the gross alpha/beta activity concentration calculations since the radionuclides of origin are not known. The MDC depends on sample size, counting system characteristics, background, and counting time. Typical counting times for gross alpha/beta analyses are seventy-five minutes for waters and sixty minutes for air particulate filters.

GAMMA SPECTROMETRY

The following media are typically analyzed for gamma-emitting radionuclide activity: milk, water, charcoal cartridges, airborne particulate filters, biological material (which includes aquatic animals, plants, and terrestrial vegetation), and sediment or soil samples. Samples are prepared by various controlled methods (blending, drying, milling) in order to maximize the volume that can be analyzed, and to achieve sample homogeneity. In order to ensure the precision and accuracy of the gamma measurements, specific counting containers are used to load sample media in a reproducible manner. Sample spectra are collected via high purity germanium based gamma ray spectrometry detection systems. The gamma spectrometry software can account for baseline corrections, background peak interferences, and photopeak multiplet resolution. Detected photopeaks are identified using a comprehensive library, specifically tailored for environmental monitoring around nuclear power facilities. Typical counting times for gamma spectrometry analyses vary from 7,200 to 30,000 seconds.

LOW LEVEL IODINE ANALYSIS

The low detection limit required for I-131 in milk and water samples can only be achieved by radiochemical separation and concentration of the iodine.

Iodate carrier is added to an acidified sample and, after reduction with Na_2SO_4 (Sodium Sulphate) to iodide, the I-131 is precipitated with $AgNO_3$ (Silver Nitrate). The precipitate is dissolved and purified with Zinc powder and H_2SO_4 (Sulfuric Acid) and the solution is re-precipitated as PdI_2 (Palladium Iodide), which is then filtered on to a polypropylene filter and counted on a low background gas flow proportional counter.

H-3 ANALYSIS

The determination of tritium in environmental matrices involves a sample preparation step followed by distillation and analysis of the pure distillate by liquid scintillation spectrometry. The tritium counting efficiency is determined using an efficiency curve generated as a function of sample quench. A set of NIST (National Institute of Standards and Technology) traceable standards is used for calibration.

The sample preparation step involves extracting H-3 from the matrix in the presence of NaOH (Sodium Hydroxide) and $KMnO_4$ (Potassium Permanganate) allowing for sufficient equilibration time so that a complete transposition of tritium with stable hydrogen has occurred.

APPENDIX B

2018 LAND USE CENSUS

2018 Radiological Environmental Monitoring Program

Land Use Census Summary

Date: September 28, 2018

Purpose

A Land Use Census (LUC) is performed annually to identify relevant changes in land usage in the area surrounding Donald C. Cook Nuclear Plant (CNP), which have the potential to affect radiation exposure pathways. Identified changes are evaluated to determine if modifications should be made to the Radiological Environmental Monitoring Program (REMP) or other related programs.

Details were documented in Data Sheet 1, Land Use Census, of CNP procedure 12-THP-6010-RPP-640, Land Use Census. A summary of the 2018 LUC is detailed below.

Dairy Farm Survey

A dairy farm survey was conducted from September 11 through September 27, 2018, to update the following information:

- Dairy farms located in the area around the CNP (within Berrien County, MI)
- Location nearest to CNP where animal milk is produced for human consumption.

During the survey period, no new dairy farms were identified within Berrien County.

Currently, there are zero (0) indicator (within eight km of the CNP) farms/residences which have dairy animals providing milk for human consumption which participate in the CNP REMP Dairy Farm Milk sampling program.

CNP REMP requirements specify a minimum of three indicators (within eight km of CNP) milk farms/residences are needed to support the milk sampling program. Due to the lack of any dairy farms/residences within the specified distance and the one identified farm declining to participate at this time, the milk sampling program continues to be considered suspended.

In accordance with REMP guidance, broadleaf sampling "in-lieu of milk" continues to be conducted as a compensatory action for this condition.

Finally, the census identified the closest animals (cows) providing milk for human consumption as follows:

Shuler Farm (REMP Designation: SF)
Sector/Distance from CNP: G and H / 4.1 miles (21,648 feet)
2791 Snow Rd.
Baroda, MI 49101

The Shuler Farm has been repeatedly asked to participate in the milk sampling program but continued to decline participation.

Livestock for Consumption Survey

During the time period of September 11 through September 27, 2018, the Livestock Survey examined farms near CNP that produce livestock for consumption to determine the location closest to CNP in each land sector within 5 miles.

As a result of information obtained prior to and during the census period, zero new farms which support livestock (beef and/or goats) operations were identified within five miles of CNP. Additionally, one farm had ceased supporting livestock for consumption (Siri Stacey; 7368 Holden Road, Sector D; 2.628 miles from plant) in March of 2017 and has been deleted from this census for 2018.

The location, which was determined to be the "Closest Livestock for Consumption (meat)," did not change from the 2017 report.

Robert Mast Farm
Sector/Distance From CNP: F / 1.41 miles (7,445 feet)
Livingston Road
Bridgman, MI, 49106

Residential Land Use Survey

From June 1, 2017 to June 1, 2018, per Lake Township Building Inspector, Jim Gast, two new residential building permits were issued for residential construction in the Lake Township sections that border the CNP property (Sections 5, 6, 7, and 8). Neither addition changed the location of the nearest residence. Additionally, there were no Demolition Permits issued during that time. Therefore, there was no impact on the "closest residences" already listed on 12-THP-6010-RPP-640 Data Sheet 1 – "Residential Land Use Data" section.

Per email correspondence with the Berrien County Health Department, there were no groundwater well permits issued in Lake Township Sections 5, 6, 7, or 8 during this time period.

Per email correspondence with the Michigan Department of Agriculture, there was no usage of Lake Michigan water for agricultural irrigation purposes in Berrien County.

Garden Census, Grape and Broadleaf Sampling

A survey of nearby properties taken between September 11 and September 27, 2018, verified that the closest garden producing leafy vegetables continues to be the same as identified in previous years:

Jim McLean
Sector/Distance from CNP: C / 0.91 miles (4,805 feet)
7379 Rosemary Road
Stevensville, MI, 49127

In lieu of conducting the Garden Census as part of this LUC, 2018 Broadleaf Sampling was performed per the requirements of the ODCM and in accordance with 12-THP-6010-RPP-638, Collection of Food Products and Broadleaf Samples.

Notifications and Updates

The 2018 Land Use Census identified no relevant changes in usage to areas surrounding CNP. The identified changes in this report have been evaluated per PMP-6010-OSD-001 Off-Site Dose Calculation Manual, and represent no changes in dose commitment.

APPENDIX C

Quality Assurance Program

Appendix C: Quality Assurance (QA) Programs

GEL Laboratories QA

GEL's primary goals are to ensure that all measurement data generated are scientifically and legally defensible, of known and acceptable quality per the data quality objectives (DQOs), and thoroughly documented to provide sound support for environmental decisions. In addition, GEL continues to ensure compliance with all contractual requirements, environmental standards, and regulations established by local, state and federal authorities.

GEL administers the QA program in accordance with their Quality Assurance Plan, GL-QS-B-001. The Quality Systems include all quality assurance (QA) policies and quality control (QC) procedures necessary to plan, implement, and assess the work that GEL performs. GEL's QA Program establishes a quality management system (QMS) that governs all of the activities of the organization.

The results of GEL's assessment of their laboratory activities listed in this section entails their quality assurance program for the proficiency testing (PT) and environmental monitoring aspects of GEL for 2018. GEL's QA Program is designed to monitor the quality of analytical processing associated with environmental, radiobioassay, effluent (10 CFR Part 50), and waste (10 CFR Part 61) sample analysis.

This summary was extracted from GEL Laboratories report entitled "2018 Annual Quality Assurance Report for the Radiological Environmental Monitoring Program (REMP)", Revision 1, dated March 8, 2019, and includes:

- Intra-laboratory QC results analyzed during 2018.
- Inter-laboratory QC results analyzed during 2018 where known values were available.

QA Programs for Inter-laboratory, Intra-laboratory and Third Party Cross Check

In addition to internal and client audits, GEL's laboratory participates in annual performance evaluation studies conducted by independent providers. GEL routinely participates in the following types of performance audits:

PT and other inter-laboratory comparisons;

- Performance requirements necessary to retain Certifications;
- Evaluation of recoveries of certified reference and in-house secondary reference materials using statistical process control (SPC) data;
- Evaluation of relative percent difference between measurements through SPC data.

GEL also participates in a number of PT programs for federal and state agencies and as required by contracts. It is GEL's policy that no proficiency evaluation samples be analyzed in any special manner. GEL's annual performance evaluation participation generally includes a combination of studies that support the following:

- US Environmental Protection Agency Discharge Monitoring Report, Quality Assurance Program (DMR-QA). An annual national program sponsored by the US Environmental Protection Agency (EPA) for laboratories engaged in the analysis of samples associated with the NPDES monitoring program. Participation is mandatory for all holders of

NPDES permits. The permit holder must analyze for all of the parameters listed on the discharge permit. Parameters include general chemistry, metals, biochemical oxygen demand, chemical oxygen demand, oil and grease, ammonia, nitrates, etc.

- Department of Energy (DOE) Mixed Analyte Performance Evaluation Program (MAPEP). A semiannual program developed by the DOE in support of DOE contractors performing waste analyses. Participation is required for all laboratories that perform environmental analytical measurements in support of environmental management activities. This program includes radioactive isotopes in water, soil, vegetation and air filters.

- ERA's Multimedia Radiochemistry PT program (MRaD™). This program is for labs seeking certification for radionuclides in wastewater and solid waste. The program is conducted in strict compliance with USEPA National Standards for Water Proficiency study.

- ERA's InterLab RadChem PT Program for radiological analyses. This program completes the process of replacing the EPA Environmental Monitoring Systems Laboratory, Las Vegas (EMSL-LV) Nuclear Radiation Assessment Division program which was discontinued in 1998. Laboratories seeking certification for radionuclide analysis in drinking water also use the study. This program is conducted in strict compliance with the USEPA National Standards for Water PT Studies. This program encompasses Uranium by EPA method 200.8 (for drinking water certification in Utah/Primary NELAP), gamma emitters, Gross Alpha/Beta, Iodine-131, naturally occurring radioactive isotopes, Strontium-89/90, and Tritium.

- ERA's Water Pollution (WP) biannual program for waste methodologies, which includes parameters for both organic and inorganic analytes.

- ERA's Water Supply (WS) biannual program for drinking water methodologies includes parameters for organic and inorganic analytes.

- Environmental Cross-Check Program administered by Eckert & Ziegler Analytics, Inc. This program encompasses radionuclides in water, soil, milk, naturally occurring radioactive isotopes in soil and air filters.

GEL procures single-blind performance evaluation samples from Eckert & Ziegler Analytics to verify the analysis of sample matrices processed at GEL. Samples are received on a quarterly basis. GEL's Third-Party Cross-Check Program provides environmental matrices encountered in a typical nuclear utility REMP. The Third-Party Cross-Check Program is intended to meet or exceed the inter-laboratory comparison program requirements discussed in NRC Regulatory Guide 4.15. Once performance evaluation samples have been prepared in accordance with the instructions provided by the PT program provider, samples are managed and analyzed in the same manner as environmental samples from GEL's clients.

Quality Assurance Program for Internal and External Audits

During each annual reporting period, at least one internal assessment of each area of the laboratory is conducted in accordance with the pre-established schedule from Standard Operating Procedure (SOP) for the Conduct of Quality Audits, GL-QS-E-001. The annual internal audit plan is reviewed for adequacy and includes the scheduled frequency and scope of quality control actions necessary to GEL's QA program. Internal audits are conducted at least annually in accordance with a schedule approved by the Quality Systems Director. Supplier audits are contingent upon the categorization of the supplier, and may or may not be conducted prior to the use of a supplier or subcontractor. Type I suppliers and subcontractors, regardless of how they were initially qualified, are re-evaluated at least once every three years.

In addition, prospective customers audit GEL during pre-contract audits. GEL hosts several external audits each year for both our clients and other programs. These programs include environmental monitoring, waste characterization, and radiobioassay. The following list of programs may audit GEL at least annually or up to every three years depending on the program:

- TNI, The NELAC Institute, National Environmental Laboratory Accreditation Program (NELAP);
- DOECAP, U.S. Department of Energy Consolidated Audit Program;
- DOELAP, U.S. Department of Energy Laboratory Accreditation Program;
- DOE QSAS, U.S. Department of Energy, Quality Systems for Analytical Services;
- ISO/IEC 17025:2005;
- A2LA, American Association for Laboratory Accreditation;
- DOD ELAP, US Department of Defense Environmental Laboratory Accreditation Program ;
- NUPIC, Nuclear Procurement Issues Committee;
- SC DHEC, South Carolina Department of Health and Environmental Control.

The annual radiochemistry laboratory internal audit (18-RAD-001) was conducted in May 2018. One (1) observation and five (5) recommendations resulted from this assessment. By June 2018, the appropriate laboratory staff addressed the observation and recommendations.

Performance Evaluation Acceptance Criteria for Environmental Sample Analysis

GEL utilized an acceptance protocol based upon two performance models. For those inter-laboratory programs that already have established performance criteria for bias (i.e., MAPEP, and ERA/ELAP), GEL will utilize the criteria for the specific program. For intra-laboratory or third party quality control programs that do not have a specific acceptance criteria (i.e. the Eckert-Ziegler Analytics Environmental Crosscheck Program), results will be evaluated in accordance with GEL's internal acceptance criteria.

Performance Evaluation Samples

Performance Evaluation (PE) results and internal quality control sample results are evaluated in accordance with GEL acceptance criteria. The first criterion concerns bias, which is defined as the deviation of any one result from the known value. The second criterion concerns precision, which deals with the ability of the measurement to be replicated by comparison of an individual result with the mean of all results for a given sample set.

GEL also evaluates its analytical performance on a regular basis through SPC acceptance criteria. Where feasible, this criterion is applied to both measures of precision and accuracy and is specific to sample matrix. GEL establishes environmental process control limits at least annually.

For Radiochemistry analysis, QC evaluation is based on static limits rather than those that are statistically derived. Current process control limits are maintained in GEL's Alpha Laboratory Information Management System (LIMS). GEL also measures precision with matrix duplicates and/or matrix spike duplicates. The upper and lower control limits (UCL and LCL respectively) for precision are plus or minus three times the standard deviation from the mean of a series of relative percent differences. The static precision criteria for radiochemical analyses are 0-20%, for activity levels exceeding the contract required detection limit (CRDL).

Quality Control Program for Environmental Sample Analysis

GEL's internal QA Program is designed to include QC functions such as instrumentation calibration checks (to insure proper instrument response), blank samples, instrumentation backgrounds, duplicates, as well as overall staff qualification analyses and statistical process controls. Both QC and qualification analyses samples are used to be as similar as the matrix type of those samples submitted for analysis by the various laboratory clients. These performance test (PT) samples (or performance evaluation samples) are either actual samples submitted in duplicate in order to evaluate the precision of laboratory measurements, or fortified blank samples, which have been given a known quantity of a radioisotope that is of interest to GEL's clients.

Accuracy (or Bias) is measured through laboratory control samples and/or matrix spikes, as well as surrogates and internal standards. The UCLs and LCLs for accuracy are plus or minus three times the standard deviation from the mean of a series of recoveries. The static limit for radiochemical analyses is 75 - 120%. Specific instructions for out-of-control situations are provided in the applicable analytical SOP.

GEL's Laboratory Control Standard (LCS) is an aliquot of reagent water or other blank matrix to which known quantities of the method analytes are added in the laboratory. The LCS is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control, and whether the laboratory is capable of making accurate and precise measurements. Some methods may refer to these samples as Laboratory Fortified Blanks (LFB). The requirement for recovery is between 75 and 125% for radiological analyses excluding drinking water matrix.

$$\text{Bias (\%)} = \frac{\text{(observed concentration)}}{\text{(known concentration)}} * 100\ \%$$

Precision is a data quality indicator of the agreement between measurements of the same property, obtained under similar conditions, and how well they conform to themselves. Precision is usually expressed as standard deviation, variance or range in either absolute or relative (percentage) terms.

GEL's laboratory duplicate (DUP or LCSD) is an aliquot of a sample taken from the same container and processed in the same manner under identical laboratory conditions. The aliquot

is analyzed independently from the parent sample and the results are compared to measure precision and accuracy.

If a DUP is analyzed, it will be reported as Relative Percent Difference (RPD). The RPD must be 20 percent or less, if both samples are greater than five times the MDC. If both results are less than five times MDC, then the RPD must be equal to or less than 100 percent. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than five times the MDC and the other is less than five times the MDC, the RPD must be less than or equal to 20 percent. If both results are below MDC, then the limits on percent RPD are not applicable.

$$\text{Difference (\%)} = \frac{\text{(high DUP result – low DUP result)}}{\text{(average of results)}} * 100\ \%$$

Summary of Data Results

During 2018, forty-five (45) radioisotopes associated with seven (7) matrix types were analyzed under GEL's Performance Evaluation program in participation with ERA, MAPEP, and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2018. Of the four hundred fifty-two (452) total results reported, 98.4% (445 of 452) were found to be acceptable. The list below contains the type of matrix evaluated by GEL:

- Air Filter;
- Cartridge;
- Water;
- Milk;
- Soil;
- Liquid;
- Vegetation.

A summary list of all inter-laboratory radiological proficiency test results and their evaluation against their acceptance criteria is provided in Table C-1. This list reflects GEL's participation in the MAPEP Monitoring Program, the ERA MRaD PT Program, the ERA PT Program, and the Eckert & Ziegler Analytics Environmental Cross-Check Program.

Summaries of GEL's intra-laboratory test results for bias and precision by sample matrix are provided in Table C-3 (REMP Related) and Table C-4 (All Samples).

Summary of Participation in the Eckert & Ziegler Analytics Environmental Crosscheck Program

Eckert & Ziegler Analytics provided samples for ninety-two (92) individual environmental analyses. The accuracy of each result reported to Eckert & Ziegler Analytics, Inc. is measured by the ratio of GEL's result to the known value. All results fell within GEL's acceptance criteria (100%). Table C-2 list the results specific to the Eckert & Ziegler Analytics sample provided in 2018. No corrective action reports were noted for these results.

Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 38 and 39 were analyzed by the laboratory. Of the one hundred twenty-four (124) analyses, 100% (124 out of 124) of all results fell within the PT provider's acceptance criteria.

Summary of Participation in the ERA MRaD PT Program

The ERA MRad program provided samples (MRAD-28 and MRAD-29) for one hundred eighty-seven (187) individual environmental analyses. Of the one hundred eighty-seven (187) analyses, 97.3% (182 out of 187) fell within the PT provider's acceptance criteria. Failures included Cobalt-60 in vegetation and Iron-55 in water.

For the corrective actions associated with failures refer to corrective actions CARR 180522-1154, and CARR 181120-1190 (Table C-5).

Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-112 and RAD-114) for forty-nine (49) individual environmental analyses. Of the 49 analyses, 95.9% (47 out of 49) of all results fell within the PT provider's acceptance criteria. Failures included Natural Uranium and Radium-226.

For the corrective actions associated with failures refer to corrective actions CARR 180522-1150 and CARR 180827-1171 (Table C-5).

Corrective Action Request and Report (CARR)

There are two categories of corrective action at GEL. One is corrective action implemented at the analytical and data review level in accordance with the analytical standard operating procedures (SOP). The other is formal corrective action documented by the Quality Systems (QS) Team in accordance with GEL's SOP GL-QS-E-002. A formal corrective action is initiated when a nonconformance reoccurs or is so significant that permanent elimination or prevention of the problem is required. Formal corrective action investigations include root cause analysis.

GEL includes quality requirements in most analytical SOPs to ensure that data are reported only if the QC criteria are met or the QC measures that did not meet the acceptance criteria are documented. A formal corrective action is implemented according to GEL's standard operating procedure GL-QS-E-002 for Conducting Corrective/Preventive Action and Identifying Opportunities for Improvement. Recording and documentation is performed following guidelines stated in GEL's SOP GL-QS-E-012 for Client NCR Database Operation.

Any employee at GEL can identify and report a nonconformance and request that corrective action be taken. Any GEL employee can participate on a corrective action team as requested by the QS team or Group Leaders. The steps for conducting corrective action are detailed in GEL's SOP GL-QS-E-002. In the event that correctness or validity of the laboratory's test results in doubt, the laboratory will take corrective action. If investigations show that the results have been impacted, affected clients will be informed of the issue in writing within five (5) calendar days of the discovery.

Table C-5 provides the status of CARRs for radiological performance testing during 2018. GEL has determined that causes of the failures did not affect any data reported to its clients.

Table C-1

2018 Inter-Lab Radiological Proficiency Testing Results and Acceptance Criteria

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Barium-133	97.6	95.1	80.2 - 105	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Cesium-134	64.9	65.6	53.4 - 72.2	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Cesium-137	117	112	101 - 126	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Cobalt-60	122	114	103 - 128	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Zinc-65	320	277	249 - 324	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Gross Alpha	67.7	72.4	38.1 - 89.2	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Gross Alpha	66.4	72.4	38.1 - 89.2	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Gross Beta	47.6	54.8	37.5 - 61.7	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Radium-226	16.2	14.2	10.6 - 16.3	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Radium-226	16.3	14.2	10.6 - 16.3	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Radium-226	5	4.21	2.43 - 5.81	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Radium-228	4.44	4.21	2.43 - 5.81	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Radium-228	65.4	58.6	47.8 - 64.5	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Uranium (Nat)	56.4	58.6	47.8-64.5	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Uranium (Nat)	65.4	58.6	47.8 - 64.5	Not Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	µg/L	Uranium (Nat) mass	97.6	86.2	70.3 - 94.9	Not Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	µg/L	Uranium (Nat) mass	93.3	86.2	70.3 - 94.9	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Tritium	20000	21200	18600 - 23300	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Tritium	20200	21200	18600 - 23300	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Strontium-89	59.7	65.2	52.9 - 73.2	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Strontium-89	68.6	65.2	52.9 - 73.2	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Strontium-90	36.1	39.2	28.8 - 45.1	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Strontium-90	36.9	39.2	28.8 - 45.1	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Iodine-131	25.3	28.1	23.4 - 33.0	Acceptable
ERA	1st / 2018	2/26/18	RAD-112	Water	pCi/L	Iodine-131	28.7	28.1	23.4 - 33.0	Acceptable
EZA	1st / 2018	05/11/18	E12100	Cartridge	pCi	Iodine-131	9.20E+01	8.52E+01	0.97	Acceptable
EZA	1st / 2018	05/11/18	E12101	Milk	pCi/L	Strontium-89	9.16E+01	9.01E+01	1.02	Acceptable
EZA	1st / 2018	05/11/18	E12101	Milk	pCi/L	Strontium-90	8.00E+01	1.25E+02	0.64	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Iodine-131	1.05E+02	1.08E+02	0.97	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Cerium-141	7.23E+01	7.70E+01	0.94	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Cobalt-58	1.11E+02	1.14E+02	0.97	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Cobalt-60	1.90E+02	1.87E+02	1.02	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Chromium-51	3.00E+02	3.26E+02	0.92	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Cesium-134	1.58E+02	1.80E+02	0.88	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Cesium-137	1.75E+02	1.72E+02	1.02	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Manganese-54	1.36E+02	1.31E+02	1.04	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Iron-59	1.52E+02	1.39E+02	1.10	Acceptable
EZA	1st / 2018	05/11/18	E12102	Milk	pCi/L	Zinc-65	2.73E+02	2.44E+02	1.12	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Iodine-131	9.37E+01	9.10E+01	1.03	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Cerium-141	7.86E+01	7.34E+01	1.07	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Chromium-51	3.44E+02	3.10E+02	1.11	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Cesium-134	1.61E+02	1.71E+02	0.94	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Cesium-137	1.64E+02	1.64E+02	1.00	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Cobalt-58	1.92E+02	1.78E+02	1.08	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Manganese-54	1.36E+02	1.25E+02	1.09	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Iron-59	1.48E+02	1.32E+02	1.12	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Zinc-65	2.53E+02	2.33E+02	1.09	Acceptable
EZA	1st / 2018	05/11/18	E12103	Water	pCi/L	Cobalt-60	1.92E+02	1.78E+02	1.08	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Actinium-228	1300	1240	818 - 1560	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Americium-241	97	74.7	40.3 - 106	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Bismuth-212	1410	1240	355 - 1850	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Bismuth-214	1200	1760	845 - 2620	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Cesium-134	4780	5330	3640 - 6370	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Cesium-137	4150	4210	3180 - 5320	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Cobalt-60	7880	8060	6350 - 9950	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Lead-212	1210	1240	865 - 1570	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Lead-214	1470	1850	777 - 2910	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Plutonium-238	1460	1470	733 - 2230	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Plutonium-239	1240	1330	725 - 1910	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Potassium-40	10300	10600	7300 - 12700	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Strontium-90	2950	4500	1400 - 7010	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Thorium-234	2240	1800	680 - 3080	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-234	2190	1820	853 - 2380	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-234	1830	1820	853 - 2380	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-234	1160	1820	853 - 2380	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-238	1530	1800	988 - 2420	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-238	2000	1800	988 - 2420	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-238	2020	1800	988 - 2420	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-Total	4670	3700	2050 - 4780	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-Total	4210	3700	2050 - 4780	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-Total	4020	3700	2050 - 4780	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Uranium-Total	2690	3700	2050 - 4780	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	µg/kg	U-Total (mass)	6030	5400	2440 - 7290	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	µg/kg	U-Total (mass)	4880	5400	2440 - 7290	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	µg/kg	U-Total (mass)	6050	5400	2440 - 7290	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	µg/kg	U-Total (mass)	6970	5400	2440 - 7290	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Soil	pCi/kg	Zinc-65	2150	1990	1590 - 2710	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Americium-241	3900	3880	2400 - 5480	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Cesium-134	2150	1950	1290 - 2600	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Cesium-137	2720	2160	1660 - 2910	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Cobalt-60	672	491	385 - 642	Not Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Curium-244	2620	2630	1480 - 3270	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Manganese-54	<32.9	<300	<300	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Plutonium-238	2370	2020	1400 - 2600	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Plutonium-239	4760	4160	2880 - 5270	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Potassium-40	37500	30900	23200 - 39100	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Strontium-90	3220	3330	1880 - 4340	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Uranium-234	5220	4050	2850 - 5170	Not Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Uranium-238	5150	4010	2830 - 5020	Not Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Uranium-Total	10800	8240	5260 - 11100	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	µg/kg	U-Total (mass)	15500	12100	9290 - 15000	Not Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Zinc-65	3420	2400	1790 - 3560	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Uranium-Total	5690	6290	4260 - 7830	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Uranium-Total	6238	6290	4260 - 7830	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	µg/kg	U-Total (mass)	8910	9250	6200 - 11700	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	µg/kg	U-Total (mass)	8440	9250	6200 - 11700	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	µg/kg	U-Total (mass)	9030	9250	6200 - 11700	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Veg.	pCi/kg	Zinc-65	907	853	615 - 1200	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Americium-241	80.6	76.4	47.1 - 103	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Cesium-134	1140	1100	700 - 1360	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Cesium-137	1490	1390	1040 - 1830	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Cobalt-60	1120	1030	797 - 1290	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Iron-55	242	256	79.4 - 500	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Manganese-54	<7.53	<50.0	0.00 - 50.0	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Plutonium-238	54.1	54.3	37.2 - 71.4	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Plutonium-239	58.2	62	44.9 - 81.0	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Strontium-90	52.2	52.4	25.6 - 78.5	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-234	71.1	73.1	45.3 - 110	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-234	79	73.1	45.3 - 110	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-238	70.7	72.4	46.8 - 100	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-238	77.1	72.4	46.8 - 100	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-Total	154	149	82.5 - 227	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-Total	145	149	82.5 - 227	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Uranium-Total	159.5	149	82.5 - 227	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	µg/Filter	U-Total (mass)	230	217	139 - 306	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	µg/Filter	U-Total (mass)	212	217	139 - 306	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	µg/Filter	U-Total (mass)	231	217	139 - 306	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Zinc-65	1160	984	705 - 1360	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Gross Alpha	112	85.5	28.6 - 133	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Filter	pCi/Filter	Gross Beta	54.9	45.2	28.6 - 65.9	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Americium-241	150	140	94.3 - 188	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Cesium-134	2380	2510	1840 - 2880	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Cesium-137	1480	1400	1190 - 1680	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Cobalt-60	2570	2540	2210 - 2970	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Iron-55	923	984	587 - 1340	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Manganese-54	<6.36	<100	0.00 - 100	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Plutonium-238	108	128	94.7 - 159	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Plutonium-239	73.3	85.8	66.6 - 108	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Strontium-90	685	714	465 - 944	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-234	82.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-234	92	90.3	67.8 - 116	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-234	87.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-238	86.7	89.5	68.2 - 110	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-238	84.1	89.5	68.2 - 110	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-238	98	89.5	68.2 - 110	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-Total	181	184	135 - 238	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-Total	173	184	135 - 238	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-Total	180	184	135 - 238	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Uranium-Total	185	184	135 - 238	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	µg/L	U-Total (mass)	270	268	214 - 324	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	2nd/2018	05/22/18	MRAD-28	Water	µg/L	U-Total (mass)	260	268	214 - 324	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	µg/L	U-Total (mass)	252	268	214 - 324	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	µg/L	U-Total (mass)	276	268	214 - 324	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Zinc-65	2160	1960	1630 - 2470	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Gross Alpha	125	89.5	31.8 - 139	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Gross Beta	59.6	61	34.9 - 90.4	Acceptable
ERA	2nd/2018	05/22/18	MRAD-28	Water	pCi/L	Tritium	18900	19400	13000 - 27700	Acceptable
EZA	2nd/2018	07/07/18	E12100	Cartridge	pCi	Iodine-131	7.22E+01	7.16E+01	1.01	Acceptable
EZA	2nd/2018	07/07/18	E12101	Milk	pCi/L	Strontium-89	9.58E+01	8.46E+01	1.13	Acceptable
EZA	2nd/2018	07/07/18	E12101	Milk	pCi/L	Strontium-90	8.47E+00	1.14E+01	0.74	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Iodine-131	7.89E+01	7.19E+01	1.10	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Cerium-141	9.01E+01	8.22E+01	1.10	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Cobalt-58	9.26E+01	8.90E+01	1.04	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Cobalt-60	1.18E+02	1.13E+02	1.04	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Chromium-51	2.58E+02	2.39E+02	1.08	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Cesium-134	1.10E+02	1.14E+02	0.97	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Cesium-137	1.04E+02	9.88E+01	1.05	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Manganese-54	1.42E+02	1.30E+02	1.09	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Iron-59	8.87E+01	8.60E+01	1.03	Acceptable
EZA	2nd/2018	07/07/18	E12102	Milk	pCi/L	Zinc-65	1.83E+02	1.57E+02	1.16	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Iodine-131	7.31E+01	7.44E+01	0.98	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Cerium-141	1.02E+02	8.58E+01	1.19	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Chromium-51	2.73E+02	2.49E+02	1.10	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Cesium-134	1.06E+02	1.19E+02	0.89	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Cesium-137	9.86E+01	1.03E+02	0.96	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Cobalt-58	9.76E+01	9.29E+01	1.05	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Manganese-54	1.47E+02	1.35E+02	1.09	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Iron-59	1.08E+02	8.97E+01	1.20	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Zinc-65	1.97E+02	1.64E+02	1.20	Acceptable
EZA	2nd/2018	07/07/18	E12103	Water	pCi/L	Cobalt-60	1.22E+02	1.18E+02	1.03	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Americium-241	1.84		False Pos Test*	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Cesium-134	1.85		False Pos Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Cesium-137	4.85	4.6	Sens. Eval.**	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Cobalt-57	798	826	578-1074	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Cobalt-60	581	560	392-728	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Iron-55	67		False Pos Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Manganese-54	1060	1010	707-1313	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Nickel-63	1.05		False Pos Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Plutonium-238	42.7	45.2	31.6-58.8	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Pu-239/240	46.9	50.8	35.6-66.0	Acceptable

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MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Potassium-40	649	577	404-750	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Strontium-90	-1.08		False Pos Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Technetium-99	890	980	686-1274	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	U-234/233	58.9	52.9	37.0-68.8	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Uranium-238	134	141	99-183	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaS38	Soil	Bq/Kg	Zinc-65	1060	960	672-1248	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Americium-241	0.685	0.709	0.496-0.922	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Cesium-134	9.140	10.2	7.1-13.3	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Cesium-137	12.8	12.2	8.5-15.9	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Cobalt-57	-0.042		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Cobalt-60	12.1	11.5	8.1-15.0	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Hydrogen-3	1.14		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Iron-55	11.90	11.1	7.8-14.1	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Manganese-54	9.35E-04		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Nickel-63	14.5	14.0	9.8-18.2	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Plutonium-238	0.014	0.023	Sens. Eval.	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Pu-239/240	0.586	0.600	0.420-0.780	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Potassium-40	-0.23		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Radium-226	0.249	0.257	0.180-0.334	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Strontium-90	10.70	11.400	8.0-14.8	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Technetium-99	3.84	4.4	3.06-5.68	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Uranium- 234/233	0.45	0.43	0.301-0.559	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Uranium-238	0.48	0.44	0.306-0.568	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-MaW38	Water	Bq/L	Zinc-65	15.7	14.30	0.0-18.6	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	µg/sample	Uranium-235	0.076	0.0739	0.0517-0.0961	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	µg/sample	Uranium-238	10.60	10.4	7.3-13.5	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	µg/sample	Uranium-Total	10.68	10.5	7.4-13.7	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Americium-241	0.0646	0.0670	0.047-0.087	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cesium-134	0.72	0.675	0.473-0.878	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cesium-137	-0.023		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cobalt-57	1.22	1.18	0.83-1.53	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cobalt-60	0.010		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Manganese-54	1.08	1.03	0.72-1.34	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Plutonium-238	0.0440	0.0445	0.0312-0.0579	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Pu-239/240	0.0010		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Strontium-90	0.840	1.010	0.71-1.31	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Uranium- 234/233	0.121	0.124	0.087-0.161	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Uranium-238	0.126	0.128	0.090-0.166	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdF38	Filter	Bq/sample	Zinc-65	1.54	1.33	0.93-1.73	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Americium-241	0.107	0.106	0.074-0.138	Acceptable

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MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cesium-134	3.17	3.23	2.26-4.2	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cesium-137	4.03	3.67	2.57-4.77	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cobalt-57	4.76	4.42	3.09-5.75	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cobalt-60	2.49	2.3	1.60-2.98	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Manganese-54	3.02	2.66	1.86-3.46	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Plutonium-238	0.0005		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Pu-239/240	0.0679	0.0770	0.054-0.1	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Strontium-90	0.61	0.675	0.473-0.878	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Uranium- 234/233	0.21	0.179	0.125-0.233	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Uranium-238	0.197	0.186	0.130-0.242	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Zinc-65	0.02		False Pos. Test	Acceptable
MAPEP	2nd/2018	05/31/18	MAPEP- 18-XaW38	Water	Bq/L	Iodine-129	2.00	1.93	1.35-2.51	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Barium-133	28.5	25.6	19.9 - 29.4	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Cesium-134	15.9	15.7	11.4 - 18.2	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Cesium-137	196	192	173 - 213	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Cobalt-60	122	119	107 - 133	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Zinc-65	196	177	159 - 208	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Gross Alpha	15.5	16	7.79 - 22.6	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Gross Alpha	18.2	16	7.79 - 22.6	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Gross Beta	43.6	49	33.2 - 56.1	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Radium-226	8.44	9.08	6.81 - 10.6	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Radium-228	2.72	2.28	1.07 - 3.60	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Radium-228	3.3	2.28	1.07 - 3.60	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Uranium (Nat)	53.8	51.8	42.2 - 57.1	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Uranium (Nat)	50.3	51.8	42.2 - 57.1	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	µg/L	Uranium (Nat) mass	80.3	75.5	61.5 - 83.2	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	µg/L	Uranium (Nat) mass	78.36	75.5	61.5 - 83.2	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	µg/L	Uranium (Nat) mass	77.8	75.5	61.5 - 83.2	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Tritium	19900	20400	17900 - 22400	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Tritium	21200	20400	17900 - 22400	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Strontium-89	61.5	62.7	50.7 - 70.6	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Strontium-89	69	62.7	50.7 - 70.6	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Strontium-90	34.4	40.1	29.5 - 46.1	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Strontium-90	36.2	40.1	29.5 - 46.1	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Iodine-131	25.6	28.1	23.4 - 33.0	Acceptable
ERA	3rd / 2018	08/23/18	RAD - 114	Water	pCi/L	Iodine-131	28.7	28.1	23.4 - 33.0	Acceptable
EZA	3rd/2018	11/12/18	E12240	Cartridge	pCi	Iodine-131	7.95E+01	8.03E+01	0.99	Acceptable
EZA	3rd/2018	11/12/18	E12241	Milk	pCi/L	Strontium-89	8.57E+01	8.17E+01	1.05	Acceptable
EZA	3rd/2018	11/12/18	E12241	Milk	pCi/L	Strontium-90	9.22E+00	1.48E+01	0.62	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Iodine-131	7.18E+01	5.82E+01	1.23	Acceptable

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EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Cerium-141	1.43E+02	1.28E+02	1.12	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Chromium-51	2.54E+02	2.65E+02	0.96	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Cesium-134	1.18E+02	1.23E+02	0.96	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Cesium-137	1.53E+02	1.47E+02	1.04	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Cobalt-58	1.54E+02	1.44E+02	1.07	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Manganese-54	1.84E+02	1.67E+02	1.09	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Iron-59	1.20E+02	1.19E+02	1.01	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Zinc-65	2.44E+02	2.01E+02	1.22	Acceptable
EZA	3rd/2018	11/12/18	E12242	Milk	pCi/L	Cobalt-60	2.02E+02	1.90E+02	1.06	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Iodine-131	6.76E+01	6.25E+01	1.08	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Cerium-141	1.48E+02	1.33E+02	1.11	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Chromium-51	2.92E+02	2.75E+02	1.06	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Cesium-134	1.20E+02	1.28E+02	0.94	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Cesium-137	1.64E+02	1.54E+02	1.07	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Cobalt-58	1.53E+02	1.50E+02	1.02	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Manganese-54	1.91E+02	1.74E+02	1.1	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Iron-59	1.39E+02	1.24E+02	1.12	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Zinc-65	2.41E+02	2.09E+02	1.15	Acceptable
EZA	3rd/2018	11/12/18	E12243	Water	pCi/L	Cobalt-60	2.09E+02	1.98E+02	1.06	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Actinium-228	3740	3280	2030 - 4540	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Americium-241	891	937	459 - 1420	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Bismuth-212	3990	3400	1810 - 4990	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Bismuth-214	1310	1370	841 - 1900	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Cesium-134	5710	5400	3200 - 7600	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Cesium-137	4160	3910	2340 - 5480	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Cobalt-60	4940	4890	3410 - 6370	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Lead-212	4250	3380	2050 - 4720	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Lead-214	1590	1450	883 - 2020	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Manganese-54	<32.8	<1000	<1000	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Plutonium-238	1090	1150	662 - 1650	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Plutonium-239	735	756	561 - 950	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Potassium-40	24800	24300	17300 - 31400	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Strontium-90	4580	4340	2240 - 6440	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Thorium-234	1610	1470	549 - 2390	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-234	1730	1050	105 - 2370	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-234	1230	1050	105 - 2370	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-234	1060	1050	105 - 2370	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-238	1210	1030	103 - 2740	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-238	1100	1030	103 - 2740	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-238	660	1030	103 - 2740	Acceptable

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ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-Total	2320	2030	203 - 4560	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-Total	1890	2030	203 - 4560	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	Uranium-Total	2830	2030	203 - 4560	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	U-Total (mass)	2010	2420	242 - 6320	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	pCi/kg	U-Total (mass)	3300	2420	242 - 6320	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	µg/kg	U-Total (mass)	2010	2420	242 - 6320	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	µg/kg	U-Total (mass)	3620	2420	242 - 6320	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Soil	µg/kg	Zinc-65	4310	4020	2650 - 5380	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Americium-241	1770	1750	1080 - 2470	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Cesium-134	2000	1970	1310 - 2620	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Cesium-137	692	613	471 - 825	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Cobalt-60	1930	1810	1420 - 2370	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Curium-244	4840	4840	2730 - 6020	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Manganese-54	<52.1	<300	<300	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Plutonium-238	3280	3240	2240 - 4180	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Plutonium-239	3170	3070	2120 - 3890	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Potassium-40	38600	34500	25900 - 43700	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Strontium-90	6220	5930	3340 - 7730	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Uranium-234	1800	1670	1170 - 2130	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Uranium-238	1780	1660	1170 - 2080	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Uranium-Total	3710	3390	2170 - 4570	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	U-Total (mass)	5360	4990	3830 - 6180	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Veg.	pCi/kg	Zinc-65	2380	2230	1660 - 3310	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Americium-241	62	64.1	45.8 - 85.5	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Cesium-134	862	921	597 - 1130	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Cesium-137	373	373	306 - 489	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Cobalt-60	1200	1130	960 - 1440	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Iron-55	899	910	332 - 1450	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Manganese-54	<5.41	<50.0	<50.0	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Plutonium-238	34.5	34.9	26.3 - 42.9	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Plutonium-239	11.7	11.2	8.37 - 13.5	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Strontium-90	87.6	89.4	56.5 - 122	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Uranium-234	55.1	52.1	38.6 - 61.0	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Uranium-234	49	52.1	38.6 - 61.0	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Uranium-238	51.1	51.6	39.0 - 61.6	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Uranium-238	47.4	51.6	39.0 - 61.6	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Uranium-Total	102.5	106	77.4 - 126	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Uranium-Total	103	106	77.4 - 126	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	µg/Filter	U-Total (mass)	153	156	125 - 183	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	µg/Filter	U-Total (mass)	142	156	125 - 183	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Zinc-65	771	660	541 - 1010	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Gross Alpha	54.2	55.3	28.9 - 91.1	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Filter	pCi/Filter	Gross Beta	75.6	86.5	52.4 - 131	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Americium-241	164	172	118 - 220	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Cesium-134	2200	2310	1740 - 2540	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Cesium-137	910	898	769 - 1020	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Cesium-137	910	898	769 - 1020	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Cobalt-60	1630	1510	1300 - 1730	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Iron-55	2610	1580	928 - 2300	Not Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Manganese-54	<6.61	<100	<100	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Plutonium-238	108	141	84.8 - 183	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Plutonium-239	125	163	101 - 201	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Strontium-90	321	275	198 - 340	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-234	94	91.6	69.7 - 105	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-234	95.8	91.6	69.7 - 105	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-234	84.6	91.6	69.7 - 105	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-238	93.3	90.8	70.4 - 107	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-238	88.3	90.8	70.4 - 107	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-238	88.5	90.8	70.4 - 107	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-238	93.3	90.8	70.4 - 107	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-Total	184.3	187	146 - 213	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Uranium-Total	178	187	146 - 213	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	µg/L	U-Total (mass)	265	273	221 - 310	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Zinc-65	1990	1790	1590 - 2260	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Gross Alpha	166	183	66.8 - 252	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Gross Beta	91	99.4	49.7 - 137	Acceptable
ERA	4th/2018	11/20/18	MRAD-29	Water	pCi/L	Tritium	3030	3020	2280 - 3680	Acceptable
EZA	4th/2018	01/23/19	E12346	Cartridge	pCi	Iodine-131	8.92E+01	8.98E+01	0.99	Acceptable
EZA	4th/2018	01/23/19	E12347	Milk	pCi/L	Strontium-89	8.67E+01	9.19E+01	0.94	Acceptable
EZA	4th/2018	01/23/19	E12347	Milk	pCi/L	Strontium-90	1.07E+01	1.33E+01	0.80	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Iodine-131	9.58E+01	9.33E+01	1.03	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Cerium-141	1.37E+02	1.33E+02	1.03	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Chromium-51	2.66E+02	2.98E+02	0.89	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Cesium-134	1.52E+02	1.71E+02	0.89	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Cesium-137	1.25E+02	1.21E+02	1.03	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Cobalt-58	1.19E+02	1.19E+02	1.00	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Manganese-54	1.70E+02	1.54E+02	1.10	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Iron-59	1.25E+02	1.14E+02	1.09	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Zinc-65	2.75E+02	2.64E+02	1.04	Acceptable
EZA	4th/2018	01/23/19	E12348	Milk	pCi/L	Cobalt-60	2.12E+02	2.12E+02	1.00	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Iodine-131	8.19E+01	8.04E+01	1.02	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Cerium-141	1.26E+02	1.24E+02	1.02	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Chromium-51	3.20E+02	2.78E+02	1.15	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Cesium-134	1.41E+02	1.60E+02	0.88	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Cesium-137	1.21E+02	1.13E+02	1.07	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Cobalt-58	1.09E+02	1.11E+02	0.99	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Manganese-54	1.51E+02	1.44E+02	1.05	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Iron-59	1.16E+02	1.07E+02	1.09	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Zinc-65	2.76E+02	2.46E+02	1.12	Acceptable
EZA	4th/2018	01/23/19	E12349	Water	pCi/L	Cobalt-60	2.06E+02	1.98E+02	1.04	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Americium-241	55.4	55.5	38.9-72.2	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Cesium-134	693.00	781	547-1015	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Cesium-137	598	572	400-744	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Cobalt-57	1080	958	671-1245	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Cobalt-60	595.000	608	426-790	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Iron-55	434	512	358-666	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Manganese-54	0.24		False Pos. Test	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Nickel-63	793	765	536-995	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Plutonium-238	55.2	57.0	39.9-74.1	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Pu-239/240	-0.33	0.34	Sens. Eval	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Potassium-40	556	566	396-736	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Strontium-90	162	193	135-251	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Technetium-99	239	252	176-328	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	U-234/233	113	160	112-208	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Uranium-238	224	276	193-359	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaS39	Soil	Bq/Kg	Zinc-65	537.0	500	350-650	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Americium-241	0.007		False Pos. Test	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Cesium-134	7.94	8.7	6.1-11.3	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Cesium-137	7.41	6.9	4.8-9.0	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Cobalt-57	15.1	14.9	10.4-19.4	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Cobalt-60	0.0408		False Pos. Test	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Hydrogen-3	331	338	237-439	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Iron-55	8.41	9.0	6.3-11.7	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Manganese-54	13.2	12.5	8.8-16.3	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Nickel-63	6.14	7.0	4.9-9.1	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Plutonium-238	0.591	0.67	0.472-0.876	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Pu-239/240	0.801	0.928	0.650-1.206	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Potassium-40	0.884		False Pos. Test	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Radium-226	0.566	0.44	0.309-0.575	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Strontium-90	8.24	9.41	6.59-12.23	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Technetium-99	3.87	3.39	2.73-4.41	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Uranium- 234/233	2.13	2.11	1.48-2.74	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Uranium-238	2.170	2.180	1.53-2.83	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-MaW39	Water	Bq/L	Zinc-65	8.52	7.53	5.27-9.79	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	ug/sample	Uranium-235	0.0936	0.0913	0.0650 -0.1208	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	ug/sample	Uranium-238	13.4	12.7	8.9 - 16.5	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	ug/sample	Uranium-Total	13.5	12.8	9.0 - 16.6	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Americium-241	0.0919	0.0913	0.0639 -0.1187	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cesium-134	0.431	0.444	0.311 - 0.577	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cesium-137	0.338	0.345	0.242 - 0.449	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cobalt-57	0.598	0.592	0.414 - 0.770	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Cobalt-60	0.338	0.294	0.206 - 0.382	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Manganese-54	0.326	0.266	0.186 - 0.346	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Plutonium-238	0.000398	0.0011	Sens. Evaluation	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Pu-239/240	0.0672	0.0698	0.0489 -0.0907	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Strontium-90	-0.026		False Pos. Test	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Uranium- 234/233	0.148	0.152	0.106 - 0.198	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Uranium-238	0.150	0.158	0.111 - 0.205	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdF38	Filter	Bq/sample	Zinc-65	0.229	0.201	Sens. Evaluation	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Americium-241	0.0851	0.0930	0.065-0.121	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cesium-134	1.74	1.94	1.36-2.52	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cesium-137	2.42	2.36	1.65-3.07	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cobalt-57	3.24	3.31	2.32-4.30	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Cobalt-60	1.69	1.68	1.18-2.18	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Manganese-54	2.59	2.53	1.77-3.29	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Plutonium-238	0.0680	0.070	0.049-0.091	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Pu-239/240	0.0605	0.0620	0.043-0.081	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Strontium-90	0.718	0.791	0.554-1.028	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Uranium- 234/233	0.136	0.138	0.097-0.179	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Uranium-238	0.140	0.143	0.100-0.186	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-RdV38	Veg.	Bq/sample	Zinc-65	1.51	1.37	0.96-1.78	Acceptable
MAPEP	4th/2018	12/03/18	MAPEP- 18-XaW39	Alk. Water	Bq/L	Iodine-129	1.63	1.62	1.13-2.11	Acceptable

* This test is to monitor if laboratories are reporting false positives for those isotopes. Reporting below a certain activity exhibits the lab's acceptable performance.

** Sensitivity evaluations are introduced to examine the ability of the laboratory to determine activity levels for certain isotopes at low levels. Proper identification of the isotope is considered an acceptable performance.

Table C-2

2018 Eckert & Ziegler Analytics Performance Evaluation Results

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
05/11/18	E12171	Cartridge	pCi	Iodine-131	9.20E+01	8.52E+01	0.97	Acceptable
05/11/18	E12172	Milk	pCi/L	Strontium-89	9.16E+01	9.01E+01	1.02	Acceptable
05/11/18	E12172	Milk	pCi/L	Strontium-90	8.00E+01	1.25E+02	0.64	Acceptable
05/11/18	E12173	Milk	pCi/L	Iodine-131	1.05E+02	1.08E+02	0.97	Acceptable
05/11/18	E12173	Milk	pCi/L	Cerium-141	7.23E+01	7.70E+01	0.94	Acceptable
05/11/18	E12173	Milk	pCi/L	Cobalt-58	1.11E+02	1.14E+02	0.97	Acceptable
05/11/18	E12173	Milk	pCi/L	Cobalt-60	1.90E+02	1.87E+02	1.02	Acceptable
05/11/18	E12173	Milk	pCi/L	Chromium-51	3.00E+02	3.26E+02	0.92	Acceptable
05/11/18	E12173	Milk	pCi/L	Cesium-134	1.58E+02	1.80E+02	0.88	Acceptable
05/11/18	E12173	Milk	pCi/L	Cesium-137	1.75E+02	1.72E+02	1.02	Acceptable
05/11/18	E12173	Milk	pCi/L	Manganese-54	1.36E+02	1.31E+02	1.04	Acceptable
05/11/18	E12173	Milk	pCi/L	Iron-59	1.52E+02	1.39E+02	1.10	Acceptable
05/11/18	E12173	Milk	pCi/L	Zinc-65	2.73E+02	2.44E+02	1.12	Acceptable
05/11/18	E12174	Water	pCi/L	Iodine-131	9.37E+01	9.10E+01	1.03	Acceptable
05/11/18	E12174	Water	pCi/L	Cerium-141	7.86E+01	7.34E+01	1.07	Acceptable
05/11/18	E12174	Water	pCi/L	Chromium-51	3.44E+02	3.10E+02	1.11	Acceptable
05/11/18	E12174	Water	pCi/L	Cesium-134	1.61E+02	1.71E+02	0.94	Acceptable
05/11/18	E12174	Water	pCi/L	Cesium-137	1.64E+02	1.64E+02	1.00	Acceptable
05/11/18	E12174	Water	pCi/L	Cobalt-58	1.92E+02	1.78E+02	1.08	Acceptable
05/11/18	E12174	Water	pCi/L	Manganese-54	1.36E+02	1.25E+02	1.09	Acceptable
05/11/18	E12174	Water	pCi/L	Iron-59	1.48E+02	1.32E+02	1.12	Acceptable
05/11/18	E12174	Water	pCi/L	Zinc-65	2.53E+02	2.33E+02	1.09	Acceptable
05/11/18	E12174	Water	pCi/L	Cobalt-60	1.92E+02	1.78E+02	1.08	Acceptable
07/07/18	E12171	Cartridge	pCi	Iodine-131	7.22E+01	7.16E+01	1.01	Acceptable
07/07/18	E12172	Milk	pCi/L	Strontium-89	9.58E+01	8.46E+01	1.13	Acceptable
07/07/18	E12172	Milk	pCi/L	Strontium-90	8.47E+00	1.14E+01	0.74	Acceptable
07/07/18	E12173	Milk	pCi/L	Iodine-131	7.89E+01	7.19E+01	1.10	Acceptable
07/07/18	E12173	Milk	pCi/L	Cerium-141	9.01E+01	8.22E+01	1.10	Acceptable
07/07/18	E12173	Milk	pCi/L	Cobalt-58	9.26E+01	8.90E+01	1.04	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
07/07/18	E12173	Milk	pCi/L	Cobalt-60	1.18E+02	1.13E+02	1.04	Acceptable
07/07/18	E12173	Milk	pCi/L	Chromium-51	2.58E+02	2.39E+02	1.08	Acceptable
07/07/18	E12173	Milk	pCi/L	Cesium-134	1.10E+02	1.14E+02	0.97	Acceptable
07/07/18	E12173	Milk	pCi/L	Cesium-137	1.04E+02	9.88E+01	1.05	Acceptable
07/07/18	E12173	Milk	pCi/L	Manganese-54	1.42E+02	1.30E+02	1.09	Acceptable
07/07/18	E12173	Milk	pCi/L	Iron-59	8.87E+01	8.60E+01	1.03	Acceptable
07/07/18	E12173	Milk	pCi/L	Zinc-65	1.83E+02	1.57E+02	1.16	Acceptable
07/07/18	E12174	Water	pCi/L	Iodine-131	7.31E+01	7.44E+01	0.98	Acceptable
07/07/18	E12174	Water	pCi/L	Cerium-141	1.02E+02	8.58E+01	1.19	Acceptable
07/07/18	E12174	Water	pCi/L	Chromium-51	2.73E+02	2.49E+02	1.10	Acceptable
07/07/18	E12174	Water	pCi/L	Cesium-134	1.06E+02	1.19E+02	0.89	Acceptable
07/07/18	E12174	Water	pCi/L	Cesium-137	9.86E+01	1.03E+02	0.96	Acceptable
07/07/18	E12174	Water	pCi/L	Cobalt-58	9.76E+01	9.29E+01	1.05	Acceptable
07/07/18	E12174	Water	pCi/L	Manganese-54	1.47E+02	1.35E+02	1.09	Acceptable
07/07/18	E12174	Water	pCi/L	Iron-59	1.08E+02	8.97E+01	1.20	Acceptable
07/07/18	E12174	Water	pCi/L	Zinc-65	1.97E+02	1.64E+02	1.20	Acceptable
07/07/18	E12174	Water	pCi/L	Cobalt-60	1.22E+02	1.18E+02	1.03	Acceptable
11/12/18	E12240	Cartridge	pCi	Iodine-131	7.95E+01	8.03E+01	0.99	Acceptable
11/12/18	E12241	Milk	pCi/L	Strontium-89	8.57E+01	8.17E+01	1.05	Acceptable
11/12/18	E12241	Milk	pCi/L	Strontium-90	9.22E+00	1.48E+01	0.62	Acceptable
11/12/18	E12242	Milk	pCi/L	Iodine-131	7.18E+01	5.82E+01	1.23	Acceptable
11/12/18	E12242	Milk	pCi/L	Cerium-141	1.43E+02	1.28E+02	1.12	Acceptable
11/12/18	E12242	Milk	pCi/L	Chromium-51	2.54E+02	2.65E+02	0.96	Acceptable
11/12/18	E12242	Milk	pCi/L	Cesium-134	1.18E+02	1.23E+02	0.96	Acceptable
11/12/18	E12242	Milk	pCi/L	Cesium-137	1.53E+02	1.47E+02	1.04	Acceptable
11/12/18	E12242	Milk	pCi/L	Cobalt-58	1.54E+02	1.44E+02	1.07	Acceptable
11/12/18	E12242	Milk	pCi/L	Manganese-54	1.84E+02	1.67E+02	1.09	Acceptable
11/12/18	E12242	Milk	pCi/L	Iron-59	1.20E+02	1.19E+02	1.01	Acceptable
11/12/18	E12242	Milk	pCi/L	Zinc-65	2.44E+02	2.01E+02	1.22	Acceptable
11/12/18	E12242	Milk	pCi/L	Cobalt-60	2.02E+02	1.90E+02	1.06	Acceptable
11/12/18	E12243	Water	pCi/L	Iodine-131	6.76E+01	6.25E+01	1.08	Acceptable
11/12/18	E12243	Water	pCi/L	Cerium-141	1.48E+02	1.33E+02	1.11	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
11/12/18	E12243	Water	pCi/L	Chromium-51	2.92E+02	2.75E+02	1.06	Acceptable
11/12/18	E12243	Water	pCi/L	Cesium-134	1.20E+02	1.28E+02	0.94	Acceptable
11/12/18	E12243	Water	pCi/L	Cesium-137	1.64E+02	1.54E+02	1.07	Acceptable
11/12/18	E12243	Water	pCi/L	Cobalt-58	1.53E+02	1.50E+02	1.02	Acceptable
11/12/18	E12243	Water	pCi/L	Manganese-54	1.91E+02	1.74E+02	1.1	Acceptable
11/12/18	E12243	Water	pCi/L	Iron-59	1.39E+02	1.24E+02	1.12	Acceptable
11/12/18	E12243	Water	pCi/L	Zinc-65	2.41E+02	2.09E+02	1.15	Acceptable
11/12/18	E12243	Water	pCi/L	Cobalt-60	2.09E+02	1.98E+02	1.06	Acceptable
01/23/19	E12346	Cartridge	pCi	Iodine-131	8.92E+01	8.98E+01	0.99	Acceptable
01/23/19	E12347	Milk	pCi/L	Strontium-89	8.67E+01	9.19E+01	0.94	Acceptable
01/23/19	E12347	Milk	pCi/L	Strontium-90	1.07E+01	1.33E+01	0.80	Acceptable
01/23/19	E12348	Milk	pCi/L	Iodine-131	9.58E+01	9.33E+01	1.03	Acceptable
01/23/19	E12348	Milk	pCi/L	Cerium-141	1.37E+02	1.33E+02	1.03	Acceptable
01/23/19	E12348	Milk	pCi/L	Chromium-51	2.66E+02	2.98E+02	0.89	Acceptable
01/23/19	E12348	Milk	pCi/L	Cesium-134	1.52E+02	1.71E+02	0.89	Acceptable
01/23/19	E12348	Milk	pCi/L	Cesium-137	1.25E+02	1.21E+02	1.03	Acceptable
01/23/19	E12348	Milk	pCi/L	Cobalt-58	1.19E+02	1.19E+02	1.00	Acceptable
01/23/19	E12348	Milk	pCi/L	Manganese-54	1.70E+02	1.54E+02	1.10	Acceptable
01/23/19	E12348	Milk	pCi/L	Iron-59	1.25E+02	1.14E+02	1.09	Acceptable
01/23/19	E12348	Milk	pCi/L	Zinc-65	2.75E+02	2.64E+02	1.04	Acceptable
01/23/19	E12348	Milk	pCi/L	Cobalt-60	2.12E+02	2.12E+02	1.00	Acceptable
01/23/19	E12349	Water	pCi/L	Iodine-131	8.19E+01	8.04E+01	1.02	Acceptable
01/23/19	E12349	Water	pCi/L	Cerium-141	1.26E+02	1.24E+02	1.02	Acceptable
01/23/19	E12349	Water	pCi/L	Chromium-51	3.20E+02	2.78E+02	1.15	Acceptable
01/23/19	E12349	Water	pCi/L	Cesium-134	1.41E+02	1.60E+02	0.88	Acceptable
01/23/19	E12349	Water	pCi/L	Cesium-137	1.21E+02	1.13E+02	1.07	Acceptable
01/23/19	E12349	Water	pCi/L	Cobalt-58	1.09E+02	1.11E+02	0.99	Acceptable
01/23/19	E12349	Water	pCi/L	Manganese-54	1.51E+02	1.44E+02	1.05	Acceptable
01/23/19	E12349	Water	pCi/L	Iron-59	1.16E+02	1.07E+02	1.09	Acceptable
01/23/19	E12349	Water	pCi/L	Zinc-65	2.76E+02	2.46E+02	1.12	Acceptable
01/23/19	E12349	Water	pCi/L	Cobalt-60	2.06E+02	1.98E+02	1.04	Acceptable

Table C-3

REMP Intra-Laboratory Data Summary: Bias and Precision by Matrix

REMP 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gas Flow Sr 2nd count	34	0	39	0
Gas Flow Total Strontium	18	0	20	0
Gamma Spec Liquid RAD A-013 with Ba, La	28	0	73	0
SOLID				
Gamma Spec Solid RAD A-013	9	0	11	0
LSC Nickel 63	3	0	3	0
Gas Flow Sr 2nd count	4	0	6	0
Gas Flow Total Strontium	3	0	4	0
Gamma Spec Solid RAD A-013 with Iodine	16	0	32	0
FILTER				
Gamma Iodine 131 RAD A-013	0	0	1	0
Gamma Spec Filter RAD A-013	0	0	1	0
Gas Flow Sr 2nd Count	6	0	6	0
Gross A & B	446	0	300	0
Gamma Spec Filter	27	0	66	0
LIQUID				
Alpha Spec Uranium	7	0	9	0
Tritium	155	0	205	0
LSC Iron-55	15	0	20	0
LSC Nickel 63	14	0	14	0
Gamma Iodine-131	21	0	21	0
Alpha Spec Plutonium	9	0	9	0
Gas Flow Sr 2nd count	10	0	9	0
Alpha Spec Am241 Curium	9	0	9	0
Gas Flow Total Strontium	11	0	13	0
Gross Alpha Non Vol Beta	33	0	62	0
Gamma Spec Liquid RAD A-013 with Ba, La	50	0	118	0
Gamma Spec Liquid RAD A-013 with Iodine	21	0	92	0
TISSUE				
Gamma Spec Solid RAD A-013	34	0	35	0
Gas Flow Sr 2nd count	10	0	9	0
Gas Flow Total Strontium	8	0	8	0

REMP 2018	Bias Criteria (+ / - 25%) WITHIN CRITERIA	Bias Criteria (+ / - 25%) OUTSIDE CRITERIA	Precision Criteria (Note 1) WITHIN CRITERIA	Precision Criteria (Note 1) OUTSIDE CRITERIA
Gamma Spec Solid RAD A-013 with Iodine	16	0	14	0
SEA WATER				
LSC Iron-55	1	0	1	0
LSC Nickel 63	1	0	1	0
Gas Flow Total Strontium	1	0	1	0
Gross Alpha Non Vol Beta	1	0	1	0
Gamma Spec Liquid RAD A-013 with Iodine	1	0	1	0
VEGETATION				
Gamma Spec Solid RAD A-013	9	0	11	0
Gas Flow Sr 2nd count	16	0	16	0
Gas Flow Total Strontium	2	0	2	0
Gamma Spec Solid RAD A-013 with Iodine	75	0	91	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	356	0	561	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	28	0	28	0
DRINKING WATER				
Tritium	29	0	34	0
LSC Iron-55	15	0	15	0
LSC Nickel 63	15	0	15	0
Gamma Iodine-131	20	0	15	0
Gas Flow Sr 2nd count	6	0	5	0
Gas Flow Total Strontium	14	0	12	0
Gross Alpha Non Vol Beta	50	0	60	0
Gamma Spec Liquid RAD A-013 with Ba, La	15	0	43	0
Gamma Spec Liquid RAD A-013 with Iodine	0	0	8	0
Total	**1672**		**2130**	

Note 1: The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

Table C-4
All Radiological Intra-Laboratory Data Summary: Bias and Precision by Matrix

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Spec Liquid RAD A-013	3	0	3	0
Gamma Iodine-129	4	0	4	0
Gamma Iodine-131	9	0	95	0
Gas Flow Sr 2nd count	34	0	39	0
Gas Flow Strontium 90	8	0	8	0
Gas Flow Total Strontium	18	0	20	0
Gamma Spec Liquid RAD A-013 with Ba, La	28	0	73	0
Gamma Spec Liquid RAD A-013 with Iodine	3	0	4	0
SOLID				
Gamma Percent Leach	5	0	0	0
Gas Flow Radium 228	85	0	91	0
Tritium	258	0	283	0
Tritium by Pyrolysis	9	0	19	0
Carbon-14	178	0	218	0
Carbon-14 by Pyrolysis	9	0	18	0
LSC Iron-55	105	0	107	0
Alpha Spec Polonium Solid	65	0	95	0
Gamma Nickel 59 RAD A-022	114	0	120	0
LSC Chlorine-36 in Solids	4	0	5	0
Gamma Spec Ra226 RAD A-013	23	0	27	0
Gamma Spec Solid RAD A-013	926	0	1282	0
LSC Nickel 63	186	0	190	0
LSC Plutonium	222	0	226	0
Technetium-99	406	0	440	0
Gamma Spec Filter RAD A-013	0	0	1	0
Gamma Spec Liquid RAD A-013	3	0	3	0
Gross Alpha-Beta Soil Leach	23	0	24	0
ICP-MS Technetium-99 in Soil	7	0	4	0
LSC Selenium 79	14	0	13	0
Total Activity,	2	0	2	0
Tritium	16	0	14	0
Alpha Spec Am243	65	0	71	0
Gamma Iodine-129	109	0	122	0
Gross Alpha/Beta	0	0	2	0

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Lead 210	2	0	4	0
Total Uranium KPA	3	0	8	0
Alpha Spec Uranium	424	0	499	0
LSC Promethium 147	12	0	18	0
LSC, Rapid Strontium 89 and 90	51	0	61	0
Alpha Spec Thorium	360	0	422	0
Gas Flow Radium 228	0	0	20	0
ICP-MS Uranium-233, 234 in Solid	29	0	34	0
Alpha Spec Plutonium	455	0	488	0
ICP-MS Technetium-99 Prep in Soil	7	0	7	0
LSC Calcium 45	1	0	1	0
Alpha Spec Neptunium	347	0	358	0
Alpha Spec Plutonium	114	0	128	0
Alpha Spec Radium 226	21	0	32	0
Gas Flow Sr 2nd count	22	0	30	0
Gas Flow Strontium 90	244	0	248	0
Gas Flow Total Radium	3	0	0	0
Lucas Cell Radium 226	107	0	126	0
Alpha Spec Am241 Curium	312	0	329	0
Alpha Spec Total Uranium	21	0	32	0
Gas Flow Total Strontium	89	0	92	0
Gross Alpha Beta (F,U) Am Calibration	4	0	4	0
Gross Alpha Non Vol Beta	3	0	3	0
ICP-MS Uranium-233, 234 Prep in Solid	35	0	37	0
ICP-MS Uranium-235, 236, 238 in Solid	48	0	34	0
Alpha Spec Polonium Solid	0	0	1	0
Gamma Spec Solid RAD A-013 with Iodine	16	0	32	0
GFC Chlorine-36 in Solids	7	0	11	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	7	0	7	0
Technetium-99	3	0	3	0
Tritium	5	0	5	0
Alpha Spec Am241 (pCi/Sample)	6	0	8	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	154	0	145	0
ICP-MS Uranium-235, 236, 238 Prep in Solid	34	0	36	0
Alpha Spec Thorium	3	0	6	0
Gross Alpha/Beta (Am/Cs Calibration) Solid	4	0	4	0
ICP-MS U-234, 235, 236, 238 Prep per sample	5	0	4	0
Alpha Spec Uranium	0	0	1	0

Total Radiological 2018	Bias Criteria (+ / - 25%) WITHIN CRITERIA	Bias Criteria (+ / - 25%) OUTSIDE CRITERIA	Precision Criteria (Note 1) WITHIN CRITERIA	Precision Criteria (Note 1) OUTSIDE CRITERIA
Gross Alpha/Beta	352	0	478	0
Alpha Spec Neptunium	3	0	3	0
Alpha Spec Plutonium	4	0	6	0
Gas Flow Strontium 90	3	0	4	0
Gross Alpha/Beta (Americium Calibration) Solid	8	0	9	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	73	0	70	0
Gross Alpha Beta (F,U)	14	0	17	0
FILTER				
Alpha Spec Uranium	7	0	17	0
Alpha Spec Polonium	0	0	3	0
Gamma I-131, filter	4	0	4	0
LSC Plutonium Filter	72	0	104	0
Tritium	52	0	165	0
Tritium by Pyrolysis	2	0	2	0
Carbon-14	15	0	85	0
Carbon-14 by Pyrolysis	2	0	2	0
ICP-MS Tc-99 in Filter	0	0	4	0
Nickel-63	0	0	30	0
LSC Iron-55	51	0	75	0
Gamma Nickel 59 RAD A-022	66	0	86	0
Alpha Spec Californium FPL	0	0	1	0
Gamma Iodine 131 RAD A-013	0	0	1	0
LSC Nickel 63	57	0	73	0
Technetium-99	18	0	76	0
Gamma Spec Filter RAD A-013	124	0	188	0
ICP-MS Tc-99 Prep in Filter	0	0	4	0
LSC Chlorine-36 in Filters	0	0	1	0
Alphaspec Np Filter per Liter	17	0	34	0
Alphaspec Pu Filter per Liter	23	0	26	0
Gamma Iodine-125	2	0	0	0
Gamma Iodine-129	2	0	62	0
Alpha Spec Am243	12	0	18	0
Total Uranium KPA	3	0	8	0
Alpha Spec Uranium	55	0	86	0
LSC Promethium 147	3	0	6	0
LSC, Rapid Strontium 89 and 90	69	0	89	0
Alpha Spec Thorium	35	0	54	0
Gas Flow Radium 228	0	0	1	0

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Plutonium	72	0	121	0
ICP-MS Uranium-233, 234 in Filter	0	0	3	0
Alpha Spec Neptunium	54	0	69	0
Alpha Spec Plutonium	68	0	101	0
Alpha Spec Plutonium	6	0	7	0
Alpha Spec Polonium,(Filter/Liter)	0	0	2	0
Alpha Spec Radium 226	0	0	4	0
Alpha/Beta (Americium Calibration)	1	0	4	0
Gas Flow Sr 2nd Count	50	0	66	0
Gas Flow Strontium 90	67	0	98	0
LSC Plutonium 241 Filter per Liter	27	0	39	0
Lucas Cell Radium-226	0	0	1	0
Alpha Spec Am241Curium	105	0	166	0
Gas Flow Total Strontium	0	0	1	0
ICP-MS Uranium-233, 234 Prep in Filter	0	0	3	0
ICP-MS Uranium-235, 236, 238 in Filter	0	0	4	0
Total Activity in Filter,	0	0	2	0
Alphaspec Am241 Curium Filter per Liter	24	0	40	0
Tritium	79	0	105	0
Gamma Spec Filter RAD A-013 Direct Count	2	0	7	0
Carbon-14	27	0	32	0
GFC Chlorine-36 in Filters PL	1	0	1	0
Gross A & B (Americium Calibration) Liquid	1	0	35	0
Direct Count-Gross Alpha/Beta	70	0	0	0
Gross Alpha/Beta	30	0	40	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	4	0	10	0
ICP-MS Uranium-235, 236, 238 Prep in Filter	0	0	4	0
Alpha Spec U	22	0	51	0
Gross A & B	491	0	353	0
LSC Iron-55	5	0	13	0
Technetium-99	25	0	35	0
Gas Flow Sr-90	21	0	41	0
LSC Nickel 63	30	0	48	0
Gamma Spec Charcoal	7	0	8	0
Gas Flow Pb-210	14	0	32	0
Gas Flow Ra-228	17	0	32	0
Gross Alpha Beta (Flame, Unflame)	5	0	5	0

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Direct Count- Alpha/Beta (Americium Calibration)	6	0	0	0
Gamma Iodine 129	29	0	30	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	2	0	5	0
Gamma Spec Filter	64	0	122	0
Lucas Cell Ra-226	14	0	25	0
Alpha Spec Thorium	18	0	38	0
Gross Alpha Beta Am/Cs Cal(Fl, Unfl)	2	0	2	0
LIQUID				
Alpha Spec Uranium	456	0	686	0
Alpha Spec Polonium	10	0	18	0
Gas Flow Radium 228	1	0	1	0
Tritium	1080	0	1204	0
Carbon-14	146	0	170	0
Plutonium	90	0	102	0
Chlorine-36 in Liquids	4	0	4	0
Iodine-131	4	0	1	0
LSC Iron-55	89	0	136	0
Alpha Spec Polonium Solid	1	0	1	0
Gamma Nickel 59 RAD A-022	10	0	29	0
Gamma Iodine 131 RAD A-013	2	0	2	0
Gamma Spec Solid RAD A-013	1	0	1	0
LSC Nickel 63	130	0	171	0
LSC Radon 222	14	0	12	0
Technetium-99	442	0	514	0
Direct Tritium	1	0	1	0
Gamma Spec Liquid RAD A-013	711	0	782	0
Alpha Spec Total U RAD A-011	25	0	34	0
LSC Selenium 79	33	0	34	0
Total Activity,	3	0	4	0
Alpha Spec Am243	23	0	26	0
Gamma Iodine-129	128	0	144	0
Gamma Iodine-131	21	0	21	0
ICP-MS Technetium-99 in Water	5	0	13	0
Gas Flow Lead 210	22	0	33	0
Total Uranium KPA	29	0	78	0
LSC Promethium 147	18	0	19	0
LSC, Rapid Strontium 89 and 90	6	0	10	0
Alpha Spec Polonium	1	0	0	0

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Thorium	212	0	292	0
Gas Flow Radium 228	377	0	416	0
Gas Flow Radium 228	9	0	8	0
Alpha Spec Plutonium	363	0	470	0
LSC Sulfur 35	13	0	13	0
Alpha Spec Neptunium	129	0	191	0
Alpha Spec Plutonium	23	0	28	0
Alpha Spec Radium 226	39	0	47	0
Gas Flow Sr 2nd count	89	0	128	0
Gas Flow Strontium 90	458	0	559	0
Gas Flow Total Radium	58	0	87	0
ICP-MS Technetium-99 Prep in Water	5	0	13	0
ICP-MS Uranium-233, 234 in Liquid	16	0	17	0
LSC Calcium 45	12	0	12	0
Lucas Cell Radium 226	330	0	353	0
Lucas Cell Radium-226	7	0	6	0
Chlorine-36 in Liquids	11	0	14	0
Alpha Spec Am241 Curium	294	0	390	0
Gas Flow Total Strontium	82	0	94	0
Gross Alpha Non Vol Beta	859	0	1095	0
LSC Phosphorus-32	4	0	4	0
ICP-MS Uranium-233, 234 Prep in Liquid	16	0	17	0
Tritium in Drinking Water by EPA 906.0	3	0	3	0
Gamma Spec Liquid RAD A-013 with Ba, La	50	0	127	0
Gamma Spec Liquid RAD A-013 with Iodine	110	0	188	0
Gas Flow Strontium 89 & 90	2	0	1	0
ICP-MS Uranium-235, 236, 238 in Liquid	20	0	18	0
Gas Flow Total Alpha Radium	6	0	2	0
Gross Alpha Co-precipitation	3	0	10	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	18	0	19	0
Gross Alpha/Beta	0	0	4	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	100	0	104	0
Gross Alpha Beta (Flame, Unflame)	193	0	197	0
Gross Alpha Beta (Americium Calibration) Liquid	34	0	81	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	51	0	53	0
Alpha/Beta (Americium Calibration) Drinking Water	18	0	21	0

Total Radiological 2018	Bias Criteria (+ / - 25%) WITHIN CRITERIA	Bias Criteria (+ / - 25%) OUTSIDE CRITERIA	Precision Criteria (Note 1) WITHIN CRITERIA	Precision Criteria (Note 1) OUTSIDE CRITERIA
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	2	0	2	0
TISSUE				
Gamma Spec Solid RAD A-013	48	0	63	0
Alpha Spec Uranium	4	0	7	0
Alpha Spec Plutonium	10	0	10	0
Gas Flow Sr-2nd count	10	0	9	0
Gas Flow Strontium 90	14	0	14	0
Alpha Spec Am241 Curium	4	0	4	0
Gas Flow Total Strontium	8	0	8	0
Gamma Spec Solid RAD A-013 with Iodine	16	0	14	0
Gross Alpha/Beta	0	0	1	0
SEA WATER				
LSC Iron-55	1	0	1	0
LSC Nickel 63	1	0	1	0
Gas Flow Total Strontium	1	0	1	0
Gross Alpha Non Vol Beta	1	0	1	0
Gamma Spec Liquid RAD A-013 with Iodine	1	0	1	0
VEGETATION				
Carbon-14	5	0	5	0
Gamma Nickel 59 RAD A-022	1	0	1	0
Gamma Spec Solid RAD A-013	24	0	27	0
LSC Nickel 63	1	0	1	0
LSC Plutonium	1	0	1	0
Technetium-99	1	0	1	0
Tritium	1	0	1	0
Gamma Iodine-129	1	0	1	0
Gas Flow Lead 210	2	0	4	0
Alpha Spec Uranium	16	0	21	0
Alpha Spec Thorium	7	0	8	0
Alpha Spec Plutonium	17	0	15	0
Alpha Spec Neptunium	1	0	1	0
Alpha Spec Plutonium	1	0	1	0
Gas Flow Sr 2nd count	16	0	16	0
Gas Flow Strontium 90	15	0	13	0
Gas Flow Total Radium	3	0	3	0
Lucas Cell Radium 226	0	0	1	0
Alpha Spec Am241 Curium	7	0	5	0
Gas Flow Total Strontium	2	0	2	0
Gamma Spec Solid RAD A-013 with Iodine	75	0	91	0

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gamma Spec Solid RAD A-013 (pCi/Sample)	2	0	2	0
Alpha Spec Am241 (pCi/Sample)	2	0	2	0
Alpha Spec Uranium	0	0	2	0
Gross Alpha/Beta	3	0	4	0
Alpha Spec Plutonium	0	0	2	0
Gas Flow Strontium 90	4	0	2	0
AIR CHARCOAL				
Carbon-14	1	0	11	0
Carbon-14	1	0	1	0
Gamma Iodine 131 RAD A-013	356	0	561	0
Gamma Iodine-125	1	0	0	0
Gamma Iodine-129	29	0	9	0
Carbon-14	12	0	10	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	28	0	28	0
Gamma Spec Charcoal	8	0	8	0
Gamma Iodine 129	12	0	12	0
Gamma Spec Filter	4	0	4	0
DRINKING WATER				
Alpha Spec Uranium	1	0	1	0
Tritium	29	0	34	0
Iodine-131	0	0	19	0
LSC Iron-55	15	0	15	0
LSC Nickel 63	15	0	15	0
LSC Radon 222	24	0	23	0
Gamma Spec Liquid RAD A-013	6	0	7	0
Gamma Iodine-129	2	0	3	0
Gamma Iodine-131	20	0	15	0
Total Uranium KPA	5	0	10	0
Gas Flow Radium 228	35	0	46	0
Gas Flow Sr 2nd count	6	0	5	0
Gas Flow Strontium 90	7	0	17	0
Lucas Cell Radium-226	32	0	40	0
Gamma Spec Drinking Water RAD A-013	18	0	29	0
Gas Flow Total Strontium	14	0	12	0
Gross Alpha Non Vol Beta	147	0	181	0
Tritium in Drinking Water by EPA 906.0	48	0	62	0
Gamma Spec Liquid RAD A-013 with Ba, La	15	0	43	0
Gamma Spec Liquid RAD A-013 with Iodine	0	0	8	0
Gas Flow Strontium 89 & 90	8	0	6	0

Total Radiological 2018	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Total Alpha Radium	0	0	1	0
Alpha/Beta (Americium Calibration) Drinking Water	15	0	14	0
ECLS-R-GA-NJ 48 Hr Rapid Gross Alpha	6	0	5	0
Total	**17276**		**21556**	

Note 1: The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

Table C-5

2018 Corrective Action Report Summary

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR180226-1150 ISO Documentation of PT Failures in RAD 112 for Uranium	**Root Cause Analysis** **Natural Uranium (and mass) via KPA – ASTM D1574-97, -02** After a review of the data, it was determined that an unknown error occurred during the preparation and/or analysis of these samples because all quality control criteria were met for the batch. Both reported values fell slightly above the acceptance criteria of the study. **Permanent Corrective/Preventive Actions or Improvements** The laboratory must assume unidentified random errors caused the biases because all quality control criteria were met for the batches. The sample was re-analyzed after the "Not Acceptable" rating was received and a result that fell within the acceptance range was obtained.
CARR180522-1154 ISO Documentation of PT Failures in MRAD-28 for Uranium-234, Uranium-238, Uranium-Total (mass), and Cobalt-60 in Vegetation	**Root Cause Analysis** **Cobalt** The data was reviewed and no anomalies noted. The Duplicate result of the original analysis met the acceptance criteria of the study. The laboratory analyzed a separate aliquot of the sample and while the Co-60 was within limits, the results in general demonstrated a high bias. **Uranium** The data was reviewed and no anomalies noted. A reanalysis was performed and results were within acceptance limits. A homogenization issue is suspected due to additional high bias in other alpha spec parameters. **Permanent Corrective/Preventive Actions or Improvements :** The laboratory will continue to monitor the recoveries of these parameters in both methods for vegetation to ensure that there are no continued issues as well as evaluating the homogenization process. The sample was reanalyzed according to the same procedures as the original results and reanalysis results for the isotopes were within acceptance limits.

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR181120-1190 ISO Documentation of PT Failure in MRAD- 29 for Fe-55 in water.	**Root Cause Analysis** **Iron-55** The data was reviewed and no errors were noted. The laboratory analyzed a separate aliquot of the sample, which met replication criteria with in the analysis batch. All other QC met criteria. Due to the high bias being nearly twice the reference value, it is suspected that the laboratory recoded an incorrect aliquot during the analysis process. The typical aliquot for this PT analysis is 20 mL and an aliquot of 10 mL was recorded as the aliquot used. A reanalysis was performed and results were within acceptance limits The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the process. **Permanent Corrective/Preventive Actions or Improvements** None needed at this time. The laboratory must assume unidentified random errors caused the biases because all quality control criteria were met for the batches.

Environmental TLDs

Environmental dosimetry services for the reporting period of January – December 2018 were provided by the Environmental Dosimetry Company (EDC), Sterling, Massachusetts. The TLD systems at the Environmental Dosimetry Company (EDC) are calibrated and operated to ensure consistent and accurate evaluation of TLDs. The quality of the dosimetric results reported to EDC clients is ensured by in-house performance testing and independent performance testing by EDC clients.

The purpose of the dosimetry quality assurance program is to provide performance documentation of the routine processing of EDC dosimeters. Performance testing provides a statistical measure of the bias and precision of dosimetry processing against a reliable standard, which in turn points out any trends or performance changes. Dosimetry quality control tests are performed on EDC Panasonic 814 Environmental dosimeters. These tests include: (1) the in-house testing program conducted by the EDC QA Officer and (2) independent tests performed by EDC clients. In-house tests are performed using six pairs of 814 dosimeters, a pair is reported as an individual result and six pairs are reported as the mean result.

Excluded from this report are instrumentation checks. Although instrumentation checks represent an important aspect of the quality assurance program, they are not included as process checks in this report. Instrumentation checks represent between 5-10% of the TLDs processed.

Table C-6 provides a summary of individual dosimeter results evaluated against the EDC internal acceptance criteria for high-energy photons (Cs-137) only. The internal acceptance (tolerance) criteria for the Panasonic Environmental dosimeters are ± 15% for bias and ± 12.8% for precision. During this period, 100% (72/72) of the individual dosimeters, evaluated against these criteria met the tolerance limits for accuracy and 100% (72/72) met the criterion for precision.

Table C-7 provides the Bias + Standard deviation results for each group (N=6) of dosimeters evaluated against the internal tolerance criteria. Overall, 100% (12/12) of the dosimeter sets evaluated against the internal tolerance performance criteria met these criteria.

Table C-8 presents the independent blind spike results for irradiated dosimeters provided by client utilities during this annual period. All results passed the performance acceptance criterion.

Table C-6

Percentage of Individual Dosimeters That Passed EDC Internal Criteria
January – December 2018[1], [2]

Dosimeter Type	Number Tested	% Passed Bias Criteria	% Passed Precision Criteria
Panasonic Environmental	72	100	100

[1]This table summarizes results of tests conducted by EDC.
[2]Environmental dosimeter results are free in air.

Table C-7

Mean Dosimeter Analyses (N=6)
JANUARY – DECEMBER 2018[1], [2]

Process Date	Exposure Level	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
4/30/2018	27	3.5	2.3	Pass
5/02/2018	44	8.0	1.5	Pass
5/03/2018	99	4.6	2.2	Pass
7/27/2018	55	1.0	0.8	Pass
7/30/2018	72	2.5	1.5	Pass
8/2/2018	113	4.0	1.7	Pass
10/29/2018	34	2.6	1.2	Pass
11/03/2018	67	1.7	1.5	Pass
11/17/2018	109	5.0	0.9	Pass
1/23/2019	107	1.3	1.1	Pass
1/26/2019	123	-0.3	2.0	Pass
2/04/2019	39	1.0	1.1	Pass

[1] This table summarizes results of tests conducted by EDC for TLDs issued in 2018.
[2] Environmental dosimeter results are free in air.

Table C-8
Summary of Independent Blind Spike Dosimeter Testing
JANUARY – DECEMBER 2018[1], [2]

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
1st Qtr. 2018	Millstone	2.4	1.9	Pass
2nd Qtr.2018	Millstone	8.2	1.4	Pass
2nd Qtr.2018	Seabrook	2.6	0.9	Pass
2nd Qtr.2018	SONGS	-3.9	1.3	Pass
3rd Qtr. 2018	Millstone	2.6	0.9	Pass
3rd Qtr. 2018	PSEG(PNNL)	-4.8	1.3	Pass
4th Qtr.2018	Millstone	1.0	1.2	Pass
4th Qtr.2018	Seabrook	6.8	1.1	Pass

[1] Performance criteria are +/- 15%.
[2] Blind spike irradiations using Cs-137

APPENDIX D

2018 DATA SUMMARY

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	440977001	1/3/2018	BETA	3.60E-02	1.82E-03	1.14E-03	
AP	SBN	440977002	1/3/2018	BETA	3.84E-02	1.87E-03	1.13E-03	
AP	DOW	440977003	1/3/2018	BETA	3.58E-02	1.87E-03	1.21E-03	
AP	COL	440977004	1/3/2018	BETA	3.60E-02	1.88E-03	1.21E-03	
AP	ONS-1	440977005	1/3/2018	BETA	3.22E-02	1.75E-03	1.17E-03	
AP	ONS-2	440977006	1/3/2018	BETA	3.39E-02	1.76E-03	1.13E-03	
AP	ONS-3	440977007	1/3/2018	BETA	4.18E-02	2.02E-03	1.21E-03	
AP	ONS-4	440977008	1/3/2018	BETA	3.63E-02	1.87E-03	1.20E-03	
AP	ONS-5	440977009	1/3/2018	BETA	3.44E-02	1.81E-03	1.19E-03	
AP	ONS-6	440977010	1/3/2018	BETA	3.43E-02	1.82E-03	1.21E-03	
AP	NBF	441542001	1/10/2018	BETA	3.86E-02	1.90E-03	1.22E-03	
AP	SBN	441542002	1/10/2018	BETA	3.78E-02	1.88E-03	1.22E-03	
AP	DOW	441542003	1/10/2018	BETA	3.69E-02	1.89E-03	1.27E-03	
AP	COL	441542004	1/10/2018	BETA	3.49E-02	1.84E-03	1.26E-03	
AP	ONS-1	441542005	1/10/2018	BETA	3.44E-02	1.82E-03	1.25E-03	
AP	ONS-2	441542006	1/10/2018	BETA	3.58E-02	1.82E-03	1.20E-03	
AP	ONS-3	441542007	1/10/2018	BETA	3.70E-02	1.85E-03	1.20E-03	
AP	ONS-4	441542008	1/10/2018	BETA	3.50E-02	1.83E-03	1.25E-03	
AP	ONS-5	441542009	1/10/2018	BETA	3.14E-02	1.76E-03	1.28E-03	
AP	ONS-6	441542010	1/10/2018	BETA	4.15E-02	1.98E-03	1.23E-03	
AP	NBF	441943001	1/17/2018	BETA	1.89E-02	1.33E-03	1.17E-03	
AP	SBN	441943002	1/17/2018	BETA	2.07E-02	1.40E-03	1.19E-03	
AP	DOW	441943003	1/17/2018	BETA	2.52E-02	1.56E-03	1.21E-03	
AP	COL	441943004	1/17/2018	BETA	2.08E-02	1.37E-03	1.13E-03	
AP	ONS-1	441943005	1/17/2018	BETA	2.20E-02	1.43E-03	1.16E-03	
AP	ONS-2	441943006	1/17/2018	BETA	2.32E-02	1.47E-03	1.16E-03	
AP	ONS-3	441943007	1/17/2018	BETA	1.97E-02	1.36E-03	1.17E-03	
AP	ONS-4	441943008	1/17/2018	BETA	2.06E-02	1.41E-03	1.20E-03	
AP	ONS-5	441943009	1/17/2018	BETA	2.43E-02	1.51E-03	1.18E-03	
AP	ONS-6	441943010	1/17/2018	BETA	2.37E-02	1.49E-03	1.18E-03	
AP	NBF	442454001	1/24/2018	BETA	3.21E-02	1.76E-03	1.18E-03	
AP	SBN	442454002	1/24/2018	BETA	3.27E-02	1.77E-03	1.18E-03	
AP	DOW	442454003	1/24/2018	BETA	3.33E-02	1.79E-03	1.18E-03	
AP	COL	442454004	1/24/2018	BETA	3.22E-02	1.74E-03	1.16E-03	
AP	ONS-1	442454005	1/24/2018	BETA	3.64E-02	1.84E-03	1.14E-03	
AP	ONS-2	442454006	1/24/2018	BETA	3.49E-02	1.81E-03	1.15E-03	
AP	ONS-3	442454007	1/24/2018	BETA	3.40E-02	1.80E-03	1.17E-03	
AP	ONS-4	442454008	1/24/2018	BETA	3.02E-02	1.72E-03	1.20E-03	
AP	ONS-5	442454009	1/24/2018	BETA	3.59E-02	1.97E-03	1.33E-03	
AP	ONS-6	442454010	1/24/2018	BETA	3.66E-02	1.87E-03	1.18E-03	
AP	NBF	442971001	1/31/2018	BETA	2.65E-02	1.59E-03	1.15E-03	
AP	SBN	442971002	1/31/2018	BETA	2.50E-02	1.57E-03	1.20E-03	
AP	DOW	442971003	1/31/2018	BETA	3.09E-02	1.72E-03	1.17E-03	
AP	COL	442971004	1/31/2018	BETA	2.57E-02	1.51E-03	1.07E-03	
AP	ONS-1	442971005	1/31/2018	BETA	2.69E-02	1.58E-03	1.12E-03	
AP	ONS-2	442971006	1/31/2018	BETA	2.67E-02	1.57E-03	1.12E-03	
AP	ONS-3	442971007	1/31/2018	BETA	2.94E-02	1.65E-03	1.13E-03	
AP	ONS-4	442971008	1/31/2018	BETA	2.57E-02	1.58E-03	1.17E-03	
AP	ONS-5	442971009	1/31/2018	BETA	2.69E-02	1.60E-03	1.15E-03	
AP	ONS-6	442971010	1/31/2018	BETA	2.56E-02	1.55E-03	1.15E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	443481001	2/7/2018	BETA	2.60E-02	2.67E-03	1.27E-03	
AP	SBN	443481002	2/7/2018	BETA	2.81E-02	2.71E-03	1.14E-03	
AP	DOW	443481003	2/7/2018	BETA	2.83E-02	2.81E-03	1.41E-03	
AP	COL	443481004	2/7/2018	BETA	2.97E-02	2.80E-03	1.28E-03	
AP	ONS-1	443481005	2/7/2018	BETA	3.08E-02	2.89E-03	1.29E-03	
AP	ONS-2	443481006	2/7/2018	BETA	2.96E-02	2.83E-03	1.18E-03	
AP	ONS-3	443481007	2/7/2018	BETA	3.28E-02	2.94E-03	1.35E-03	
AP	ONS-4	443481008	2/7/2018	BETA	2.80E-02	2.86E-03	1.40E-03	
AP	ONS-5	443481009	2/7/2018	BETA	2.89E-02	2.79E-03	1.27E-03	
AP	ONS-6	443481010	2/7/2018	BETA	2.93E-02	2.82E-03	1.18E-03	
AP	NBF	443970001	2/14/2018	BETA	3.79E-02	1.60E-03	1.33E-03	
AP	SBN	443970002	2/14/2018	BETA	4.06E-02	1.68E-03	1.26E-03	
AP	DOW	443970003	2/14/2018	BETA	3.45E-02	1.56E-03	1.25E-03	
AP	COL	443970004	2/14/2018	BETA	3.67E-02	1.60E-03	1.34E-03	
AP	ONS-1	443970005	2/14/2018	BETA	3.85E-02	1.66E-03	1.42E-03	
AP	ONS-2	443970006	2/14/2018	BETA	3.90E-02	1.68E-03	1.32E-03	
AP	ONS-3	443970007	2/14/2018	BETA	3.81E-02	1.60E-03	1.19E-03	
AP	ONS-4	443970008	2/14/2018	BETA	3.91E-02	1.70E-03	1.43E-03	
AP	ONS-5	443970009	2/14/2018	BETA	4.06E-02	1.70E-03	1.42E-03	
AP	ONS-6	443970010	2/14/2018	BETA	3.47E-02	1.59E-03	1.32E-03	
AP	NBF	444563001	2/21/2018	BETA	2.77E-02	1.44E-03	1.54E-03	
AP	SBN	444563002	2/21/2018	BETA	2.90E-02	1.46E-03	1.37E-03	
AP	DOW	444563003	2/21/2018	BETA	2.82E-02	1.47E-03	1.44E-03	
AP	COL	444563004	2/21/2018	BETA	2.68E-02	1.45E-03	1.34E-03	
AP	ONS-1	444563005	2/21/2018	BETA	2.95E-02	1.52E-03	1.62E-03	
AP	ONS-2	444563006	2/21/2018	BETA	2.91E-02	1.46E-03	1.37E-03	
AP	ONS-3	444563007	2/21/2018	BETA	2.98E-02	1.50E-03	1.43E-03	
AP	ONS-4	444563008	2/21/2018	BETA	2.77E-02	1.44E-03	1.29E-03	
AP	ONS-5	444563009	2/21/2018	BETA	2.47E-02	1.40E-03	1.61E-03	
AP	ONS-6	444563010	2/21/2018	BETA	2.96E-02	1.48E-03	1.38E-03	
AP	NBF	445028001	2/28/2018	BETA	2.70E-02	1.38E-03	1.33E-03	
AP	SBN	445028002	2/28/2018	BETA	2.73E-02	1.41E-03	1.35E-03	
AP	DOW	445028003	2/28/2018	BETA	2.96E-02	1.46E-03	1.24E-03	
AP	COL	445028004	2/28/2018	BETA	2.97E-02	1.49E-03	1.25E-03	
AP	ONS-1	445028005	2/28/2018	BETA	2.84E-02	1.45E-03	1.40E-03	
AP	ONS-2	445028006	2/28/2018	BETA	2.93E-02	1.48E-03	1.39E-03	
AP	ONS-3	445028007	2/28/2018	BETA	3.14E-02	1.48E-03	1.21E-03	
AP	ONS-4	445028008	2/28/2018	BETA	2.79E-02	1.44E-03	1.23E-03	
AP	ONS-5	445028009	2/28/2018	BETA	2.95E-02	1.47E-03	1.39E-03	
AP	ONS-6	445028010	2/28/2018	BETA	2.88E-02	1.48E-03	1.39E-03	
AP	NBF	445594001	3/7/2018	BETA	3.35E-02	1.51E-03	1.18E-03	
AP	SBN	445594002	3/7/2018	BETA	3.08E-02	1.48E-03	1.46E-03	
AP	DOW	445594003	3/7/2018	BETA	3.15E-02	1.51E-03	1.33E-03	
AP	COL	445594004	3/7/2018	BETA	3.04E-02	1.45E-03	1.26E-03	
AP	ONS-1	445594005	3/7/2018	BETA	3.10E-02	1.45E-03	1.17E-03	
AP	ONS-2	445594006	3/7/2018	BETA	3.11E-02	1.48E-03	1.45E-03	
AP	ONS-3	445594007	3/7/2018	BETA	3.51E-02	1.54E-03	1.25E-03	
AP	ONS-4	445594008	3/7/2018	BETA	3.35E-02	1.54E-03	1.29E-03	
AP	ONS-5	445594009	3/7/2018	BETA	3.16E-02	1.47E-03	1.18E-03	
AP	ONS-6	445594010	3/7/2018	BETA	3.27E-02	1.58E-03	1.58E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	446076001	3/14/2018	BETA	2.21E-02	1.43E-03	1.17E-03	
AP	SBN	446076002	3/14/2018	BETA	1.70E-02	1.23E-03	1.12E-03	
AP	DOW	446076003	3/14/2018	BETA	1.86E-02	1.33E-03	1.20E-03	
AP	COL	446076004	3/14/2018	BETA	1.90E-02	1.32E-03	1.16E-03	
AP	ONS-1	446076005	3/14/2018	BETA	2.44E-02	1.48E-03	1.16E-03	
AP	ONS-2	446076006	3/14/2018	BETA	1.99E-02	1.32E-03	1.12E-03	
AP	ONS-3	446076007	3/14/2018	BETA	2.28E-02	1.42E-03	1.13E-03	
AP	ONS-4	446076008	3/14/2018	BETA	1.95E-02	1.32E-03	1.14E-03	
AP	ONS-5	446076009	3/14/2018	BETA	2.21E-02	1.46E-03	1.22E-03	
AP	ONS-6	446076010	3/14/2018	BETA	1.72E-02	1.25E-03	1.15E-03	
AP	NBF	446541001	3/21/2018	BETA	3.46E-02	1.75E-03	1.55E-03	
AP	SBN	446541002	3/21/2018	BETA	3.38E-02	1.75E-03	1.91E-03	
AP	DOW	446541003	3/21/2018	BETA	3.17E-02	1.65E-03	1.55E-03	
AP	COL	446541004	3/21/2018	BETA	4.20E-02	2.08E-03	1.92E-03	
AP	ONS-1	446541005	3/21/2018	BETA	3.33E-02	1.73E-03	1.56E-03	
AP	ONS-2	446541006	3/21/2018	BETA	3.24E-02	1.67E-03	1.82E-03	
AP	ONS-3	446541007	3/21/2018	BETA	3.42E-02	1.69E-03	1.52E-03	
AP	ONS-4	446541008	3/21/2018	BETA	3.85E-02	1.95E-03	1.83E-03	
AP	ONS-5	446541009	3/21/2018	BETA	3.95E-02	1.84E-03	1.51E-03	
AP	ONS-6	446541010	3/21/2018	BETA	3.41E-02	1.76E-03	1.92E-03	
AP	NBF	447023001	3/28/2018	BETA	2.61E-02	1.74E-03	2.17E-03	
AP	SBN	447023002	3/28/2018	BETA	2.69E-02	1.56E-03	1.52E-03	
AP	DOW	447023003	3/28/2018	BETA	2.34E-02	1.54E-03	2.06E-03	
AP	COL	447023004	3/28/2018	BETA	2.58E-02	1.47E-03	1.46E-03	
AP	ONS-1	447023005	3/28/2018	BETA	2.60E-02	1.74E-03	2.20E-03	
AP	ONS-2	447023006	3/28/2018	BETA	2.45E-02	1.48E-03	1.49E-03	
AP	ONS-3	447023007	3/28/2018	BETA	1.95E-02	1.36E-03	1.90E-03	
AP	ONS-4	447023008	3/28/2018	BETA	2.35E-02	1.42E-03	1.48E-03	
AP	ONS-5	447023009	3/28/2018	BETA	2.73E-02	1.72E-03	2.07E-03	
AP	ONS-6	447023010	3/28/2018	BETA	2.74E-02	1.60E-03	1.57E-03	
AP	NBF	450998001	3/28/2018	Ac-228	2.91E-04	5.35E-04	2.01E-03	U
AP	NBF	450998001	3/28/2018	Ag-108m	1.46E-05	8.39E-05	2.82E-04	U
AP	NBF	450998001	3/28/2018	Ag-110m	1.76E-04	1.74E-04	6.48E-04	U
AP	NBF	450998001	3/28/2018	Ba-140	1.67E-02	6.14E-02	2.09E-01	U
AP	NBF	450998001	3/28/2018	Be-7	1.25E-01	1.10E-02	8.53E-03	
AP	NBF	450998001	3/28/2018	Ce-141	-1.64E-03	1.02E-03	2.66E-03	U
AP	NBF	450998001	3/28/2018	Ce-144	4.26E-04	4.58E-04	1.55E-03	U
AP	NBF	450998001	3/28/2018	Co-57	1.01E-04	5.89E-05	2.01E-04	U
AP	NBF	450998001	3/28/2018	Co-58	1.87E-04	2.44E-04	8.95E-04	U
AP	NBF	450998001	3/28/2018	Co-60	1.77E-04	1.36E-04	5.17E-04	U
AP	NBF	450998001	3/28/2018	Cr-51	-7.53E-03	7.97E-03	2.40E-02	U
AP	NBF	450998001	3/28/2018	Cs-134	3.36E-06	9.57E-05	3.27E-04	U
AP	NBF	450998001	3/28/2018	Cs-137	2.34E-05	9.76E-05	3.23E-04	U
AP	NBF	450998001	3/28/2018	Fe-59	4.66E-04	8.69E-04	3.12E-03	U
AP	NBF	450998001	3/28/2018	I-131	-5.00E-01	4.97E-01	0.00E+00	U
AP	NBF	450998001	3/28/2018	K-40	1.45E-03	1.57E-03	2.15E-03	U
AP	NBF	450998001	3/28/2018	La-140	3.00E-02	2.24E-02	9.89E-02	U
AP	NBF	450998001	3/28/2018	Mn-54	-7.55E-07	1.08E-04	3.66E-04	U
AP	NBF	450998001	3/28/2018	Nb-95	1.31E-04	2.88E-04	9.71E-04	U
AP	NBF	450998001	3/28/2018	Ru-103	-6.03E-04	4.55E-04	1.13E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	450998001	3/28/2018	Ru-106	1.67E-03	1.12E-03	4.00E-03	U
AP	NBF	450998001	3/28/2018	Sb-124	-3.18E-04	9.10E-04	2.86E-03	U
AP	NBF	450998001	3/28/2018	Sb-125	-1.66E-04	2.19E-04	6.49E-04	U
AP	NBF	450998001	3/28/2018	Se-75	-1.04E-04	1.83E-04	5.96E-04	U
AP	NBF	450998001	3/28/2018	Th-228	-1.26E-04	1.48E-04	5.05E-04	U
AP	NBF	450998001	3/28/2018	Zn-65	1.10E-04	3.73E-04	1.28E-03	U
AP	NBF	450998001	3/28/2018	Zr-95	2.01E-04	5.30E-04	1.70E-03	U
AP	SBN	450998002	3/28/2018	Ac-228	-2.62E-04	3.48E-04	1.07E-03	U
AP	SBN	450998002	3/28/2018	Ag-108m	-2.43E-05	5.95E-05	1.90E-04	U
AP	SBN	450998002	3/28/2018	Ag-110m	4.87E-04	1.96E-04	5.53E-04	U
AP	SBN	450998002	3/28/2018	Ba-140	-1.74E-02	7.08E-02	2.26E-01	U
AP	SBN	450998002	3/28/2018	Be-7	1.38E-01	1.06E-02	7.69E-03	
AP	SBN	450998002	3/28/2018	Ce-141	-8.84E-04	7.40E-04	2.10E-03	U
AP	SBN	450998002	3/28/2018	Ce-144	-4.96E-04	4.21E-04	1.20E-03	U
AP	SBN	450998002	3/28/2018	Co-57	-7.08E-05	5.47E-05	1.54E-04	U
AP	SBN	450998002	3/28/2018	Co-58	6.40E-04	2.42E-04	8.41E-04	U
AP	SBN	450998002	3/28/2018	Co-60	2.40E-05	9.58E-05	3.24E-04	U
AP	SBN	450998002	3/28/2018	Cr-51	-8.50E-03	7.44E-03	2.25E-02	U
AP	SBN	450998002	3/28/2018	Cs-134	-9.23E-05	9.03E-05	2.35E-04	U
AP	SBN	450998002	3/28/2018	Cs-137	1.73E-05	7.34E-05	2.42E-04	U
AP	SBN	450998002	3/28/2018	Fe-59	-6.71E-04	6.53E-04	1.73E-03	U
AP	SBN	450998002	3/28/2018	I-131	1.74E-01	4.61E-01	0.00E+00	UI
AP	SBN	450998002	3/28/2018	K-40	5.10E-04	1.24E-03	2.40E-03	U
AP	SBN	450998002	3/28/2018	La-140	-1.23E-02	4.18E-02	1.19E-01	U
AP	SBN	450998002	3/28/2018	Mn-54	1.50E-04	1.08E-04	3.31E-04	U
AP	SBN	450998002	3/28/2018	Nb-95	1.61E-04	2.54E-04	8.51E-04	U
AP	SBN	450998002	3/28/2018	Ru-103	5.74E-04	3.81E-04	1.35E-03	U
AP	SBN	450998002	3/28/2018	Ru-106	-4.60E-04	6.40E-04	1.84E-03	U
AP	SBN	450998002	3/28/2018	Sb-124	1.39E-04	6.41E-04	2.14E-03	U
AP	SBN	450998002	3/28/2018	Sb-125	2.80E-04	2.19E-04	7.60E-04	U
AP	SBN	450998002	3/28/2018	Se-75	-2.93E-05	1.45E-04	4.89E-04	U
AP	SBN	450998002	3/28/2018	Th-228	2.71E-05	1.64E-04	4.62E-04	U
AP	SBN	450998002	3/28/2018	Zn-65	-2.12E-05	2.35E-04	7.71E-04	U
AP	SBN	450998002	3/28/2018	Zr-95	-7.36E-05	4.39E-04	1.37E-03	U
AP	DOW	450998003	3/28/2018	Ac-228	1.18E-04	4.48E-04	1.61E-03	U
AP	DOW	450998003	3/28/2018	Ag-108m	-3.27E-05	6.83E-05	2.15E-04	U
AP	DOW	450998003	3/28/2018	Ag-110m	-3.84E-04	1.79E-04	2.56E-04	U
AP	DOW	450998003	3/28/2018	Ba-140	-8.76E-03	8.60E-02	2.80E-01	U
AP	DOW	450998003	3/28/2018	Be-7	1.24E-01	1.13E-02	5.55E-03	
AP	DOW	450998003	3/28/2018	Ce-141	-7.37E-04	9.40E-04	2.91E-03	U
AP	DOW	450998003	3/28/2018	Ce-144	5.57E-04	4.80E-04	1.68E-03	U
AP	DOW	450998003	3/28/2018	Co-57	1.88E-04	7.60E-05	2.38E-04	U
AP	DOW	450998003	3/28/2018	Co-58	7.20E-05	1.63E-04	5.67E-04	U
AP	DOW	450998003	3/28/2018	Co-60	5.89E-05	1.24E-04	4.03E-04	U
AP	DOW	450998003	3/28/2018	Cr-51	1.36E-02	8.64E-03	2.98E-02	U
AP	DOW	450998003	3/28/2018	Cs-134	1.04E-04	1.12E-04	3.94E-04	U
AP	DOW	450998003	3/28/2018	Cs-137	-9.93E-05	9.81E-05	2.73E-04	U
AP	DOW	450998003	3/28/2018	Fe-59	-9.10E-04	1.11E-03	3.03E-03	U
AP	DOW	450998003	3/28/2018	I-131	5.13E-02	6.25E-01	0.00E+00	UI
AP	DOW	450998003	3/28/2018	K-40	3.60E-03	2.05E-03	3.81E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	450998003	3/28/2018	La-140	-6.66E-03	4.09E-02	1.34E-01	U
AP	DOW	450998003	3/28/2018	Mn-54	-3.92E-05	1.10E-04	3.37E-04	U
AP	DOW	450998003	3/28/2018	Nb-95	-3.33E-05	3.07E-04	9.82E-04	U
AP	DOW	450998003	3/28/2018	Ru-103	-2.83E-04	4.20E-04	1.27E-03	U
AP	DOW	450998003	3/28/2018	Ru-106	7.13E-04	9.77E-04	3.38E-03	U
AP	DOW	450998003	3/28/2018	Sb-124	5.01E-04	5.62E-04	2.21E-03	U
AP	DOW	450998003	3/28/2018	Sb-125	-4.23E-04	2.45E-04	6.08E-04	U
AP	DOW	450998003	3/28/2018	Se-75	-1.90E-04	2.01E-04	6.05E-04	U
AP	DOW	450998003	3/28/2018	Th-228	-1.35E-04	1.63E-04	5.26E-04	U
AP	DOW	450998003	3/28/2018	Zn-65	-7.47E-04	3.33E-04	1.01E-03	U
AP	DOW	450998003	3/28/2018	Zr-95	1.26E-04	4.46E-04	1.49E-03	U
AP	COL	450998004	3/28/2018	Ac-228	4.05E-04	4.59E-04	1.66E-03	U
AP	COL	450998004	3/28/2018	Ag-108m	1.74E-05	7.06E-05	2.35E-04	U
AP	COL	450998004	3/28/2018	Ag-110m	-1.26E-04	1.55E-04	4.57E-04	U
AP	COL	450998004	3/28/2018	Ba-140	-5.35E-03	6.66E-02	2.13E-01	U
AP	COL	450998004	3/28/2018	Be-7	1.11E-01	1.04E-02	8.74E-03	
AP	COL	450998004	3/28/2018	Ce-141	-7.06E-05	7.94E-04	2.46E-03	U
AP	COL	450998004	3/28/2018	Ce-144	2.24E-04	4.82E-04	1.55E-03	U
AP	COL	450998004	3/28/2018	Co-57	4.27E-05	6.53E-05	2.12E-04	U
AP	COL	450998004	3/28/2018	Co-58	-2.34E-04	1.96E-04	3.96E-04	U
AP	COL	450998004	3/28/2018	Co-60	-1.98E-04	1.10E-04	1.77E-04	U
AP	COL	450998004	3/28/2018	Cr-51	-1.15E-02	9.05E-03	2.64E-02	U
AP	COL	450998004	3/28/2018	Cs-134	-3.70E-05	8.80E-05	2.79E-04	U
AP	COL	450998004	3/28/2018	Cs-137	2.05E-05	9.49E-05	3.08E-04	U
AP	COL	450998004	3/28/2018	Fe-59	-5.42E-04	7.22E-04	2.03E-03	U
AP	COL	450998004	3/28/2018	I-131	4.47E-01	5.72E-01	0.00E+00	UI
AP	COL	450998004	3/28/2018	K-40	3.71E-04	1.30E-03	4.62E-03	U
AP	COL	450998004	3/28/2018	La-140	4.74E-02	3.49E-02	1.33E-01	U
AP	COL	450998004	3/28/2018	Mn-54	8.86E-05	1.13E-04	4.02E-04	U
AP	COL	450998004	3/28/2018	Nb-95	-2.99E-04	2.47E-04	6.39E-04	U
AP	COL	450998004	3/28/2018	Ru-103	-2.35E-04	3.47E-04	1.01E-03	U
AP	COL	450998004	3/28/2018	Ru-106	-1.44E-04	9.17E-04	2.87E-03	U
AP	COL	450998004	3/28/2018	Sb-124	8.06E-04	6.08E-04	2.44E-03	U
AP	COL	450998004	3/28/2018	Sb-125	-3.28E-04	2.27E-04	5.96E-04	U
AP	COL	450998004	3/28/2018	Se-75	1.18E-04	1.62E-04	5.60E-04	U
AP	COL	450998004	3/28/2018	Th-228	4.89E-04	2.45E-04	5.64E-04	U
AP	COL	450998004	3/28/2018	Zn-65	1.70E-04	2.85E-04	9.93E-04	U
AP	COL	450998004	3/28/2018	Zr-95	2.69E-05	4.24E-04	1.44E-03	U
AP	ONS-1	450998005	3/28/2018	Ac-228	9.32E-04	6.17E-04	1.98E-03	U
AP	ONS-1	450998005	3/28/2018	Ag-108m	-2.82E-05	7.40E-05	2.31E-04	U
AP	ONS-1	450998005	3/28/2018	Ag-110m	1.84E-04	1.54E-04	5.69E-04	U
AP	ONS-1	450998005	3/28/2018	Ba-140	1.49E-02	8.02E-02	2.62E-01	U
AP	ONS-1	450998005	3/28/2018	Be-7	1.13E-01	1.11E-02	8.53E-03	
AP	ONS-1	450998005	3/28/2018	Ce-141	-1.60E-03	1.03E-03	2.58E-03	U
AP	ONS-1	450998005	3/28/2018	Ce-144	8.17E-04	5.95E-04	1.92E-03	U
AP	ONS-1	450998005	3/28/2018	Co-57	-2.40E-05	6.74E-05	2.07E-04	U
AP	ONS-1	450998005	3/28/2018	Co-58	-6.21E-05	2.03E-04	6.46E-04	U
AP	ONS-1	450998005	3/28/2018	Co-60	-2.03E-04	1.43E-04	3.18E-04	U
AP	ONS-1	450998005	3/28/2018	Cr-51	2.48E-03	8.64E-03	2.92E-02	U
AP	ONS-1	450998005	3/28/2018	Cs-134	8.05E-05	1.14E-04	4.05E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	450998005	3/28/2018	Cs-137	-1.49E-04	1.24E-04	2.98E-04	U
AP	ONS-1	450998005	3/28/2018	Fe-59	-1.22E-03	8.81E-04	1.96E-03	U
AP	ONS-1	450998005	3/28/2018	I-131	8.57E-01	6.80E-01	0.00E+00	UI
AP	ONS-1	450998005	3/28/2018	K-40	5.00E-04	1.78E-03	3.97E-03	U
AP	ONS-1	450998005	3/28/2018	La-140	-3.16E-02	3.95E-02	1.13E-01	U
AP	ONS-1	450998005	3/28/2018	Mn-54	1.32E-05	1.02E-04	3.44E-04	U
AP	ONS-1	450998005	3/28/2018	Nb-95	-1.61E-05	2.85E-04	9.26E-04	U
AP	ONS-1	450998005	3/28/2018	Ru-103	5.02E-04	5.14E-04	1.77E-03	U
AP	ONS-1	450998005	3/28/2018	Ru-106	-7.46E-04	9.88E-04	2.79E-03	U
AP	ONS-1	450998005	3/28/2018	Sb-124	-8.63E-04	5.38E-04	0.00E+00	U
AP	ONS-1	450998005	3/28/2018	Sb-125	-3.73E-05	2.49E-04	8.00E-04	U
AP	ONS-1	450998005	3/28/2018	Se-75	-4.14E-05	1.79E-04	5.90E-04	U
AP	ONS-1	450998005	3/28/2018	Th-228	8.78E-05	2.23E-04	5.55E-04	U
AP	ONS-1	450998005	3/28/2018	Zn-65	1.27E-04	2.79E-04	9.64E-04	U
AP	ONS-1	450998005	3/28/2018	Zr-95	-1.99E-04	4.73E-04	1.51E-03	U
AP	ONS-2	450998006	3/28/2018	Ac-228	1.31E-03	4.48E-04	1.51E-03	U
AP	ONS-2	450998006	3/28/2018	Ag-108m	1.13E-05	6.08E-05	1.99E-04	U
AP	ONS-2	450998006	3/28/2018	Ag-110m	-1.08E-04	1.48E-04	4.45E-04	U
AP	ONS-2	450998006	3/28/2018	Ba-140	3.80E-02	7.47E-02	2.49E-01	U
AP	ONS-2	450998006	3/28/2018	Be-7	1.38E-01	1.07E-02	8.64E-03	
AP	ONS-2	450998006	3/28/2018	Ce-141	9.43E-04	8.00E-04	2.73E-03	U
AP	ONS-2	450998006	3/28/2018	Ce-144	-8.90E-04	5.33E-04	1.48E-03	U
AP	ONS-2	450998006	3/28/2018	Co-57	1.07E-06	6.01E-05	2.02E-04	U
AP	ONS-2	450998006	3/28/2018	Co-58	-2.22E-04	2.08E-04	5.83E-04	U
AP	ONS-2	450998006	3/28/2018	Co-60	-2.61E-04	1.28E-04	2.10E-04	U
AP	ONS-2	450998006	3/28/2018	Cr-51	-5.93E-04	7.02E-03	2.27E-02	U
AP	ONS-2	450998006	3/28/2018	Cs-134	6.50E-05	1.03E-04	3.65E-04	U
AP	ONS-2	450998006	3/28/2018	Cs-137	-2.76E-05	8.15E-05	2.66E-04	U
AP	ONS-2	450998006	3/28/2018	Fe-59	9.26E-04	8.07E-04	2.98E-03	U
AP	ONS-2	450998006	3/28/2018	I-131	5.01E-01	5.92E-01	0.00E+00	UI
AP	ONS-2	450998006	3/28/2018	K-40	-1.69E-03	1.54E-03	4.90E-03	U
AP	ONS-2	450998006	3/28/2018	La-140	1.23E-03	2.71E-02	8.87E-02	U
AP	ONS-2	450998006	3/28/2018	Mn-54	-2.06E-05	1.00E-04	3.28E-04	U
AP	ONS-2	450998006	3/28/2018	Nb-95	2.18E-04	2.60E-04	8.97E-04	U
AP	ONS-2	450998006	3/28/2018	Ru-103	-7.05E-05	5.02E-04	1.40E-03	U
AP	ONS-2	450998006	3/28/2018	Ru-106	-1.01E-03	1.02E-03	2.96E-03	U
AP	ONS-2	450998006	3/28/2018	Sb-124	1.02E-03	6.87E-04	2.70E-03	U
AP	ONS-2	450998006	3/28/2018	Sb-125	-9.40E-05	2.48E-04	7.69E-04	U
AP	ONS-2	450998006	3/28/2018	Se-75	1.97E-04	1.96E-04	6.60E-04	U
AP	ONS-2	450998006	3/28/2018	Th-228	2.69E-04	1.65E-04	5.49E-04	U
AP	ONS-2	450998006	3/28/2018	Zn-65	-2.94E-05	2.49E-04	8.09E-04	U
AP	ONS-2	450998006	3/28/2018	Zr-95	-5.87E-04	4.04E-04	1.02E-03	U
AP	ONS-3	450998007	3/28/2018	Ac-228	-4.82E-04	3.33E-04	9.06E-04	U
AP	ONS-3	450998007	3/28/2018	Ag-108m	-3.46E-05	5.28E-05	1.65E-04	U
AP	ONS-3	450998007	3/28/2018	Ag-110m	-1.37E-04	1.41E-04	3.73E-04	U
AP	ONS-3	450998007	3/28/2018	Ba-140	3.59E-02	5.59E-02	1.96E-01	U
AP	ONS-3	450998007	3/28/2018	Be-7	1.34E-01	9.76E-03	4.84E-03	
AP	ONS-3	450998007	3/28/2018	Ce-141	-8.31E-04	7.11E-04	1.91E-03	U
AP	ONS-3	450998007	3/28/2018	Ce-144	-2.50E-04	3.99E-04	1.23E-03	U
AP	ONS-3	450998007	3/28/2018	Co-57	1.74E-05	5.00E-05	1.66E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	450998007	3/28/2018	Co-58	2.55E-04	2.19E-04	7.67E-04	U
AP	ONS-3	450998007	3/28/2018	Co-60	-5.22E-05	7.97E-05	2.30E-04	U
AP	ONS-3	450998007	3/28/2018	Cr-51	8.87E-03	6.08E-03	2.02E-02	U
AP	ONS-3	450998007	3/28/2018	Cs-134	1.53E-04	7.36E-05	2.80E-04	U
AP	ONS-3	450998007	3/28/2018	Cs-137	1.07E-04	6.51E-05	2.30E-04	U
AP	ONS-3	450998007	3/28/2018	Fe-59	-3.82E-04	5.89E-04	1.75E-03	U
AP	ONS-3	450998007	3/28/2018	I-131	-3.87E-02	4.34E-01	0.00E+00	U
AP	ONS-3	450998007	3/28/2018	K-40	-7.62E-05	1.11E-03	3.90E-03	U
AP	ONS-3	450998007	3/28/2018	La-140	-8.30E-02	4.28E-02	6.14E-02	U
AP	ONS-3	450998007	3/28/2018	Mn-54	1.81E-04	9.80E-05	3.39E-04	U
AP	ONS-3	450998007	3/28/2018	Nb-95	1.99E-05	2.02E-04	6.61E-04	U
AP	ONS-3	450998007	3/28/2018	Ru-103	4.08E-04	3.65E-04	1.29E-03	U
AP	ONS-3	450998007	3/28/2018	Ru-106	-3.42E-04	7.54E-04	2.34E-03	U
AP	ONS-3	450998007	3/28/2018	Sb-124	-1.97E-04	5.30E-04	1.52E-03	U
AP	ONS-3	450998007	3/28/2018	Sb-125	-8.67E-05	1.43E-04	4.46E-04	U
AP	ONS-3	450998007	3/28/2018	Se-75	1.77E-04	1.59E-04	5.18E-04	U
AP	ONS-3	450998007	3/28/2018	Th-228	2.38E-04	1.58E-04	4.18E-04	U
AP	ONS-3	450998007	3/28/2018	Zn-65	1.03E-04	2.41E-04	8.48E-04	U
AP	ONS-3	450998007	3/28/2018	Zr-95	3.89E-04	2.73E-04	1.03E-03	U
AP	ONS-4	450998008	3/28/2018	Ac-228	3.52E-04	5.17E-04	2.06E-03	U
AP	ONS-4	450998008	3/28/2018	Ag-108m	2.00E-06	8.30E-05	2.76E-04	U
AP	ONS-4	450998008	3/28/2018	Ag-110m	-2.09E-04	1.96E-04	5.23E-04	U
AP	ONS-4	450998008	3/28/2018	Ba-140	-2.56E-01	1.53E-01	3.52E-01	U
AP	ONS-4	450998008	3/28/2018	Be-7	9.52E-02	1.24E-02	1.41E-02	
AP	ONS-4	450998008	3/28/2018	Ce-141	-1.62E-03	1.36E-03	3.77E-03	U
AP	ONS-4	450998008	3/28/2018	Ce-144	8.22E-04	6.23E-04	2.12E-03	U
AP	ONS-4	450998008	3/28/2018	Co-57	5.92E-05	7.69E-05	2.44E-04	U
AP	ONS-4	450998008	3/28/2018	Co-58	2.93E-04	3.41E-04	1.20E-03	U
AP	ONS-4	450998008	3/28/2018	Co-60	-4.20E-05	1.28E-04	3.88E-04	U
AP	ONS-4	450998008	3/28/2018	Cr-51	-1.48E-02	1.20E-02	3.47E-02	U
AP	ONS-4	450998008	3/28/2018	Cs-134	3.30E-04	1.89E-04	6.74E-04	U
AP	ONS-4	450998008	3/28/2018	Cs-137	-7.49E-05	1.24E-04	3.62E-04	U
AP	ONS-4	450998008	3/28/2018	Fe-59	-7.45E-04	9.97E-04	2.73E-03	U
AP	ONS-4	450998008	3/28/2018	I-131	7.50E-01	1.12E+00	0.00E+00	UI
AP	ONS-4	450998008	3/28/2018	K-40	1.69E-03	2.39E-03	6.81E-03	U
AP	ONS-4	450998008	3/28/2018	La-140	5.71E-02	6.94E-02	2.51E-01	U
AP	ONS-4	450998008	3/28/2018	Mn-54	2.02E-04	1.23E-04	4.78E-04	U
AP	ONS-4	450998008	3/28/2018	Nb-95	-3.54E-04	3.93E-04	1.05E-03	U
AP	ONS-4	450998008	3/28/2018	Ru-103	1.53E-04	5.80E-04	1.97E-03	U
AP	ONS-4	450998008	3/28/2018	Ru-106	-1.48E-04	1.18E-03	3.75E-03	U
AP	ONS-4	450998008	3/28/2018	Sb-124	4.34E-04	1.10E-03	3.83E-03	U
AP	ONS-4	450998008	3/28/2018	Sb-125	-1.36E-04	2.95E-04	9.25E-04	U
AP	ONS-4	450998008	3/28/2018	Se-75	-9.09E-05	2.24E-04	7.39E-04	U
AP	ONS-4	450998008	3/28/2018	Th-228	4.93E-04	2.88E-04	8.21E-04	U
AP	ONS-4	450998008	3/28/2018	Zn-65	-2.06E-04	3.70E-04	1.11E-03	U
AP	ONS-4	450998008	3/28/2018	Zr-95	2.36E-04	6.46E-04	2.17E-03	U
AP	ONS-5	450998009	3/28/2018	Ac-228	1.59E-04	3.70E-04	1.30E-03	U
AP	ONS-5	450998009	3/28/2018	Ag-108m	-4.35E-07	6.22E-05	2.09E-04	U
AP	ONS-5	450998009	3/28/2018	Ag-110m	0.00E+00	0.00E+00	5.04E-04	U
AP	ONS-5	450998009	3/28/2018	Ba-140	2.10E-02	7.90E-02	2.66E-01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	450998009	3/28/2018	Be-7	1.31E-01	9.75E-03	6.31E-03	
AP	ONS-5	450998009	3/28/2018	Ce-141	1.41E-04	6.56E-04	2.20E-03	U
AP	ONS-5	450998009	3/28/2018	Ce-144	-9.35E-04	4.67E-04	1.17E-03	U
AP	ONS-5	450998009	3/28/2018	Co-57	-4.70E-05	5.26E-05	1.62E-04	U
AP	ONS-5	450998009	3/28/2018	Co-58	-1.10E-05	1.74E-04	5.15E-04	U
AP	ONS-5	450998009	3/28/2018	Co-60	-1.32E-05	1.25E-04	4.00E-04	U
AP	ONS-5	450998009	3/28/2018	Cr-51	8.23E-03	7.18E-03	2.56E-02	U
AP	ONS-5	450998009	3/28/2018	Cs-134	-2.80E-05	1.02E-04	3.11E-04	U
AP	ONS-5	450998009	3/28/2018	Cs-137	4.32E-05	9.48E-05	2.82E-04	U
AP	ONS-5	450998009	3/28/2018	Fe-59	-9.87E-04	7.99E-04	1.94E-03	U
AP	ONS-5	450998009	3/28/2018	I-131	-9.77E-01	6.29E-01	0.00E+00	U
AP	ONS-5	450998009	3/28/2018	K-40	1.04E-03	1.14E-03	2.92E-03	U
AP	ONS-5	450998009	3/28/2018	La-140	-2.18E-03	3.98E-02	1.33E-01	U
AP	ONS-5	450998009	3/28/2018	Mn-54	8.28E-06	7.63E-05	2.63E-04	U
AP	ONS-5	450998009	3/28/2018	Nb-95	8.54E-05	2.66E-04	8.77E-04	U
AP	ONS-5	450998009	3/28/2018	Ru-103	1.16E-04	3.71E-04	1.15E-03	U
AP	ONS-5	450998009	3/28/2018	Ru-106	-7.49E-04	9.41E-04	2.55E-03	U
AP	ONS-5	450998009	3/28/2018	Sb-124	-1.34E-03	8.58E-04	1.78E-03	U
AP	ONS-5	450998009	3/28/2018	Sb-125	1.36E-04	1.95E-04	6.88E-04	U
AP	ONS-5	450998009	3/28/2018	Se-75	9.54E-05	1.42E-04	4.40E-04	U
AP	ONS-5	450998009	3/28/2018	Th-228	7.45E-05	1.28E-04	4.09E-04	U
AP	ONS-5	450998009	3/28/2018	Zn-65	1.84E-04	2.65E-04	9.47E-04	U
AP	ONS-5	450998009	3/28/2018	Zr-95	4.20E-04	4.62E-04	1.61E-03	U
AP	ONS-6	450998010	3/28/2018	Ac-228	1.39E-03	6.92E-04	1.84E-03	U
AP	ONS-6	450998010	3/28/2018	Ag-108m	1.07E-04	8.47E-05	2.86E-04	U
AP	ONS-6	450998010	3/28/2018	Ag-110m	1.27E-04	1.58E-04	5.17E-04	U
AP	ONS-6	450998010	3/28/2018	Ba-140	1.02E-02	8.42E-02	2.72E-01	U
AP	ONS-6	450998010	3/28/2018	Be-7	1.37E-01	1.07E-02	9.16E-03	
AP	ONS-6	450998010	3/28/2018	Ce-141	2.69E-04	9.02E-04	2.81E-03	U
AP	ONS-6	450998010	3/28/2018	Ce-144	-2.06E-04	4.83E-04	1.61E-03	U
AP	ONS-6	450998010	3/28/2018	Co-57	-6.39E-05	5.64E-05	1.76E-04	U
AP	ONS-6	450998010	3/28/2018	Co-58	5.78E-05	2.70E-04	9.20E-04	U
AP	ONS-6	450998010	3/28/2018	Co-60	-1.43E-04	1.06E-04	2.38E-04	U
AP	ONS-6	450998010	3/28/2018	Cr-51	-5.05E-03	8.85E-03	2.80E-02	U
AP	ONS-6	450998010	3/28/2018	Cs-134	-1.14E-04	1.23E-04	3.16E-04	U
AP	ONS-6	450998010	3/28/2018	Cs-137	1.21E-04	7.94E-05	2.91E-04	U
AP	ONS-6	450998010	3/28/2018	Fe-59	-5.26E-04	8.71E-04	2.61E-03	U
AP	ONS-6	450998010	3/28/2018	I-131	3.96E-02	6.70E-01	0.00E+00	UI
AP	ONS-6	450998010	3/28/2018	K-40	9.16E-04	1.68E-03	6.26E-03	U
AP	ONS-6	450998010	3/28/2018	La-140	-3.34E-02	3.03E-02	7.03E-02	U
AP	ONS-6	450998010	3/28/2018	Mn-54	-1.92E-04	1.27E-04	3.32E-04	U
AP	ONS-6	450998010	3/28/2018	Nb-95	7.03E-05	2.45E-04	8.45E-04	U
AP	ONS-6	450998010	3/28/2018	Ru-103	-2.19E-04	4.58E-04	1.40E-03	U
AP	ONS-6	450998010	3/28/2018	Ru-106	-1.46E-04	1.04E-03	3.27E-03	U
AP	ONS-6	450998010	3/28/2018	Sb-124	-4.09E-04	5.79E-04	1.63E-03	U
AP	ONS-6	450998010	3/28/2018	Sb-125	1.99E-04	2.65E-04	8.90E-04	U
AP	ONS-6	450998010	3/28/2018	Se-75	4.60E-04	2.77E-04	6.25E-04	U
AP	ONS-6	450998010	3/28/2018	Th-228	2.22E-04	2.35E-04	4.36E-04	U
AP	ONS-6	450998010	3/28/2018	Zn-65	4.18E-04	2.69E-04	9.89E-04	U
AP	ONS-6	450998010	3/28/2018	Zr-95	1.46E-05	4.64E-04	1.57E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	447489001	4/4/2018	BETA	3.32E-02	1.70E-03	1.50E-03	
AP	SBN	447489002	4/4/2018	BETA	2.62E-02	1.51E-03	1.84E-03	
AP	DOW	447489003	4/4/2018	BETA	3.02E-02	1.60E-03	1.50E-03	
AP	COL	447489004	4/4/2018	BETA	2.99E-02	1.74E-03	1.96E-03	
AP	ONS-1	447489005	4/4/2018	BETA	2.86E-02	1.61E-03	1.53E-03	
AP	ONS-2	447489006	4/4/2018	BETA	2.80E-02	1.54E-03	1.82E-03	
AP	ONS-3	447489007	4/4/2018	BETA	2.76E-02	1.48E-03	1.39E-03	
AP	ONS-4	447489008	4/4/2018	BETA	3.11E-02	1.79E-03	2.00E-03	
AP	ONS-5	447489009	4/4/2018	BETA	2.91E-02	1.57E-03	1.43E-03	
AP	ONS-6	447489010	4/4/2018	BETA	2.32E-02	1.46E-03	1.91E-03	
AP	NBF	448019001	4/11/2018	BETA	3.35E-02	1.74E-03	1.97E-03	
AP	SBN	448019002	4/11/2018	BETA	3.00E-02	1.57E-03	1.51E-03	
AP	DOW	448019003	4/11/2018	BETA	4.40E-02	2.18E-03	2.04E-03	
AP	COL	448019004	4/11/2018	BETA	3.59E-02	1.79E-03	1.64E-03	
AP	ONS-1	448019005	4/11/2018	BETA	3.34E-02	1.77E-03	2.04E-03	
AP	ONS-2	448019006	4/11/2018	BETA	2.99E-02	1.58E-03	1.52E-03	
AP	ONS-3	448019007	4/11/2018	BETA	3.60E-02	1.93E-03	1.94E-03	
AP	ONS-4	448019008	4/11/2018	BETA	3.47E-02	1.79E-03	1.68E-03	
AP	ONS-5	448019009	4/11/2018	BETA	3.17E-02	1.70E-03	1.98E-03	
AP	ONS-6	448019010	4/11/2018	BETA	3.13E-02	1.67E-03	1.63E-03	
AP	NBF	448532001	4/18/2018	BETA	2.24E-02	1.43E-03	1.54E-03	
AP	SBN	448532002	4/18/2018	BETA	2.41E-02	1.49E-03	1.61E-03	
AP	DOW	448532003	4/18/2018	BETA	2.44E-02	1.71E-03	2.03E-03	
AP	COL	448532004	4/18/2018	BETA	1.90E-02	1.32E-03	1.51E-03	
AP	ONS-1	448532005	4/18/2018	BETA	1.98E-02	1.37E-03	1.57E-03	
AP	ONS-2	448532006	4/18/2018	BETA	2.23E-02	1.37E-03	1.47E-03	
AP	ONS-3	448532007	4/18/2018	BETA	2.62E-02	1.66E-03	1.84E-03	
AP	ONS-4	448532008	4/18/2018	BETA	2.18E-02	1.40E-03	1.52E-03	
AP	ONS-5	448532009	4/18/2018	BETA	2.18E-02	1.39E-03	1.49E-03	
AP	ONS-6	448532010	4/18/2018	BETA	2.03E-02	1.30E-03	1.45E-03	
AP	NBF	449005001	4/25/2018	BETA	3.23E-02	1.85E-03	1.89E-03	
AP	SBN	449005002	4/25/2018	BETA	2.93E-02	1.66E-03	1.62E-03	
AP	DOW	449005003	4/25/2018	BETA	2.66E-02	1.56E-03	1.56E-03	
AP	COL	449005004	4/25/2018	BETA	2.85E-02	1.54E-03	1.50E-03	
AP	ONS-1	449005005	4/25/2018	BETA	3.66E-02	1.98E-03	1.92E-03	
AP	ONS-2	449005006	4/25/2018	BETA	3.05E-02	1.65E-03	1.54E-03	
AP	ONS-3	449005007	4/25/2018	BETA	3.31E-02	1.63E-03	1.40E-03	
AP	ONS-4	449005008	4/25/2018	BETA	2.96E-02	1.54E-03	1.44E-03	
AP	ONS-5	449005009	4/25/2018	BETA	3.23E-02	1.82E-03	1.82E-03	
AP	ONS-6	449005010	4/25/2018	BETA	3.40E-02	1.71E-03	1.51E-03	
AP	NBF	449506001	5/2/2018	BETA	2.32E-02	1.45E-03	1.66E-03	
AP	SBN	449506002	5/2/2018	BETA	2.67E-02	1.50E-03	1.45E-03	
AP	DOW	449506003	5/2/2018	BETA	3.02E-02	1.82E-03	1.99E-03	
AP	COL	449506004	5/2/2018	BETA	2.61E-02	1.55E-03	1.62E-03	
AP	ONS-1	449506005	5/2/2018	BETA	2.93E-02	1.63E-03	1.70E-03	
AP	ONS-2	449506006	5/2/2018	BETA	2.70E-02	1.52E-03	1.46E-03	
AP	ONS-3	449506007	5/2/2018	BETA	3.12E-02	1.82E-03	1.92E-03	
AP	ONS-4	449506008	5/2/2018	BETA	2.56E-02	1.54E-03	1.62E-03	
AP	ONS-5	449506009	5/2/2018	BETA	2.81E-02	1.56E-03	1.62E-03	
AP	ONS-6	449506010	5/2/2018	BETA	2.47E-02	1.45E-03	1.44E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	449998001	5/9/2018	BETA	2.90E-02	1.66E-03	1.69E-03	
AP	SBN	449998002	5/9/2018	BETA	2.98E-02	1.58E-03	1.58E-03	
AP	DOW	449998003	5/9/2018	BETA	2.93E-02	1.60E-03	1.51E-03	
AP	COL	449998004	5/9/2018	BETA	3.47E-02	1.87E-03	1.86E-03	
AP	ONS-1	449998005	5/9/2018	BETA	3.12E-02	1.78E-03	1.80E-03	
AP	ONS-2	449998006	5/9/2018	BETA	2.84E-02	1.60E-03	1.68E-03	
AP	ONS-3	449998007	5/9/2018	BETA	2.80E-02	1.52E-03	1.43E-03	
AP	ONS-4	449998008	5/9/2018	BETA	3.33E-02	1.88E-03	1.94E-03	
AP	ONS-5	449998009	5/9/2018	BETA	2.99E-02	1.67E-03	1.67E-03	
AP	ONS-6	449998010	5/9/2018	BETA	3.26E-02	1.70E-03	1.67E-03	
AP	NBF	450483001	5/16/2018	BETA	2.39E-02	1.65E-03	1.94E-03	
AP	SBN	450483002	5/16/2018	BETA	2.59E-02	1.52E-03	1.57E-03	
AP	DOW	450483003	5/16/2018	BETA	2.13E-02	1.41E-03	1.59E-03	
AP	COL	450483004	5/16/2018	BETA	2.14E-02	1.32E-03	1.40E-03	
AP	ONS-1	450483005	5/16/2018	BETA	2.36E-02	1.60E-03	1.85E-03	
AP	ONS-2	450483006	5/16/2018	BETA	1.98E-02	1.39E-03	1.65E-03	
AP	ONS-3	450483007	5/16/2018	BETA	2.29E-02	1.38E-03	1.44E-03	
AP	ONS-4	450483008	5/16/2018	BETA	1.67E-02	1.21E-03	1.45E-03	
AP	ONS-5	450483009	5/16/2018	BETA	2.29E-02	1.59E-03	1.89E-03	
AP	ONS-6	450483010	5/16/2018	BETA	2.00E-02	1.38E-03	1.61E-03	
AP	NBF	451271001	5/23/2018	BETA	2.24E-02	1.48E-03	1.67E-03	
AP	SBN	451271002	5/23/2018	BETA	2.31E-02	1.44E-03	1.53E-03	
AP	DOW	451271003	5/23/2018	BETA	2.43E-02	1.49E-03	1.57E-03	
AP	COL	451271004	5/23/2018	BETA	2.80E-02	1.73E-03	1.86E-03	
AP	ONS-1	451271005	5/23/2018	BETA	2.16E-02	1.42E-03	1.60E-03	
AP	ONS-2	451271006	5/23/2018	BETA	1.98E-02	1.36E-03	1.55E-03	
AP	ONS-3	451271007	5/23/2018	BETA	2.19E-02	1.37E-03	1.46E-03	
AP	ONS-4	451271008	5/23/2018	BETA	1.86E-02	1.14E-03	1.22E-03	
AP	ONS-5	451271009	5/23/2018	BETA	1.96E-02	1.38E-03	1.64E-03	
AP	ONS-6	451271010	5/23/2018	BETA	2.10E-02	1.38E-03	1.53E-03	
AP	NBF	451597001	5/30/2018	BETA	3.81E-02	1.85E-03	1.60E-03	
AP	SBN	451597002	5/30/2018	BETA	3.78E-02	1.80E-03	1.52E-03	
AP	DOW	451597003	5/30/2018	BETA	4.89E-02	2.33E-03	2.01E-03	
AP	COL	451597004	5/30/2018	BETA	4.13E-02	1.96E-03	1.68E-03	
AP	ONS-1	451597005	5/30/2018	BETA	3.79E-02	1.81E-03	1.54E-03	
AP	ONS-3	451597007	5/30/2018	BETA	3.77E-02	1.78E-03	1.49E-03	
AP	ONS-4	451597008	5/30/2018	BETA	4.85E-02	2.24E-03	1.89E-03	
AP	ONS-5	451597009	5/30/2018	BETA	3.87E-02	1.88E-03	1.66E-03	
AP	ONS-6	451597010	5/30/2018	BETA	3.55E-02	1.76E-03	1.55E-03	
AP	NBF	452147001	6/6/2018	BETA	2.14E-02	1.57E-03	1.95E-03	
AP	SBN	452147002	6/6/2018	BETA	2.00E-02	1.35E-03	1.50E-03	
AP	DOW	452147003	6/6/2018	BETA	1.47E-02	1.19E-03	1.52E-03	
AP	COL	452147004	6/6/2018	BETA	1.66E-02	1.23E-03	1.48E-03	
AP	ONS-1	452147005	6/6/2018	BETA	1.98E-02	1.49E-03	1.88E-03	
AP	ONS-2	452147006	6/6/2018	BETA	1.90E-02	1.33E-03	1.52E-03	
AP	ONS-3	452147007	6/6/2018	BETA	1.56E-02	1.19E-03	1.46E-03	
AP	ONS-4	452147008	6/6/2018	BETA	1.71E-02	1.22E-03	1.44E-03	
AP	ONS-5	452147009	6/6/2018	BETA	1.86E-02	1.46E-03	1.90E-03	
AP	ONS-6	452147010	6/6/2018	BETA	1.71E-02	1.29E-03	1.57E-03	
AP	NBF	452668001	6/13/2018	BETA	2.36E-02	1.52E-03	1.60E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	452668002	6/13/2018	BETA	2.40E-02	1.42E-03	1.45E-03	
AP	DOW	452668003	6/13/2018	BETA	2.59E-02	1.56E-03	1.60E-03	
AP	COL	452668004	6/13/2018	BETA	3.03E-02	1.73E-03	1.70E-03	
AP	ONS-1	452668005	6/13/2018	BETA	2.66E-02	1.55E-03	1.52E-03	
AP	ONS-2	452668006	6/13/2018	BETA	2.36E-02	1.43E-03	1.49E-03	
AP	ONS-3	452668007	6/13/2018	BETA	2.24E-02	1.36E-03	1.42E-03	
AP	ONS-4	452668008	6/13/2018	BETA	3.13E-02	1.83E-03	1.84E-03	
AP	ONS-5	452668009	6/13/2018	BETA	2.74E-02	1.58E-03	1.53E-03	
AP	ONS-6	452668010	6/13/2018	BETA	2.25E-02	1.42E-03	1.54E-03	
AP	NBF	453154001	6/20/2018	BETA	3.29E-02	1.67E-03	1.45E-03	
AP	SBN	453154002	6/20/2018	BETA	3.63E-02	1.95E-03	1.87E-03	
AP	DOW	453154003	6/20/2018	BETA	3.06E-02	1.69E-03	1.60E-03	
AP	COL	453154004	6/20/2018	BETA	2.66E-02	1.50E-03	1.45E-03	
AP	ONS-1	453154005	6/20/2018	BETA	2.99E-02	1.59E-03	1.44E-03	
AP	ONS-2	453154006	6/20/2018	BETA	3.57E-02	1.93E-03	1.84E-03	
AP	ONS-3	453154007	6/20/2018	BETA	3.44E-02	1.72E-03	1.50E-03	
AP	ONS-4	453154008	6/20/2018	BETA	2.89E-02	1.60E-03	1.52E-03	
AP	ONS-5	453154009	6/20/2018	BETA	2.89E-02	1.59E-03	1.48E-03	
AP	ONS-6	453154010	6/20/2018	BETA	4.27E-02	2.22E-03	2.05E-03	
AP	NBF	453644001	6/27/2018	BETA	2.13E-02	1.37E-03	1.49E-03	
AP	SBN	453644002	6/27/2018	BETA	2.89E-02	1.76E-03	1.89E-03	
AP	DOW	453644003	6/27/2018	BETA	2.42E-02	1.53E-03	1.58E-03	
AP	COL	453644004	6/27/2018	BETA	2.02E-02	1.36E-03	1.51E-03	
AP	ONS-1	453644005	6/27/2018	BETA	2.35E-02	1.53E-03	1.68E-03	
AP	ONS-2	453644006	6/27/2018	BETA	2.59E-02	1.68E-03	1.89E-03	
AP	ONS-3	453644007	6/27/2018	BETA	2.86E-02	1.58E-03	1.46E-03	
AP	ONS-4	453644008	6/27/2018	BETA	2.36E-02	1.46E-03	1.52E-03	
AP	ONS-5	453644009	6/27/2018	BETA	2.45E-02	1.46E-03	1.49E-03	
AP	ONS-6	453644010	6/27/2018	BETA	2.55E-02	1.69E-03	1.94E-03	
AP	NBF	457570001	6/27/2018	Ac-228	1.57E-03	9.80E-04	3.69E-03	U
AP	NBF	457570001	6/27/2018	Ag-108m	1.53E-04	1.42E-04	5.13E-04	U
AP	NBF	457570001	6/27/2018	Ag-110m	1.24E-04	3.24E-04	1.10E-03	U
AP	NBF	457570001	6/27/2018	Ba-140	1.68E-02	1.55E-01	5.22E-01	U
AP	NBF	457570001	6/27/2018	Be-7	1.68E-01	1.60E-02	1.62E-02	
AP	NBF	457570001	6/27/2018	Ce-141	-2.39E-03	1.40E-03	3.61E-03	U
AP	NBF	457570001	6/27/2018	Ce-144	-3.58E-04	7.71E-04	2.45E-03	U
AP	NBF	457570001	6/27/2018	Co-57	-5.29E-05	8.99E-05	2.82E-04	U
AP	NBF	457570001	6/27/2018	Co-58	3.10E-04	4.60E-04	1.61E-03	U
AP	NBF	457570001	6/27/2018	Co-60	-3.99E-04	2.61E-04	5.43E-04	U
AP	NBF	457570001	6/27/2018	Cr-51	-3.41E-02	1.82E-02	3.95E-02	U
AP	NBF	457570001	6/27/2018	Cs-134	6.20E-05	2.65E-04	7.93E-04	U
AP	NBF	457570001	6/27/2018	Cs-137	-1.65E-05	1.91E-04	6.20E-04	U
AP	NBF	457570001	6/27/2018	Fe-59	-2.80E-04	1.96E-03	6.47E-03	U
AP	NBF	457570001	6/27/2018	I-131	5.40E-01	7.15E-01	0.00E+00	UI
AP	NBF	457570001	6/27/2018	K-40	4.64E-04	2.97E-03	1.09E-02	U
AP	NBF	457570001	6/27/2018	La-140	-3.35E-03	6.20E-02	2.00E-01	U
AP	NBF	457570001	6/27/2018	Mn-54	2.15E-04	2.11E-04	7.66E-04	U
AP	NBF	457570001	6/27/2018	Nb-95	-1.51E-04	5.35E-04	1.66E-03	U
AP	NBF	457570001	6/27/2018	Ru-103	-2.99E-04	9.01E-04	2.90E-03	U
AP	NBF	457570001	6/27/2018	Ru-106	1.46E-03	1.44E-03	5.33E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	457570001	6/27/2018	Sb-124	-8.04E-04	1.57E-03	4.40E-03	U
AP	NBF	457570001	6/27/2018	Sb-125	2.54E-04	3.25E-04	1.16E-03	U
AP	NBF	457570001	6/27/2018	Se-75	-2.00E-04	3.50E-04	1.04E-03	U
AP	NBF	457570001	6/27/2018	Th-228	1.83E-04	4.53E-04	1.01E-03	U
AP	NBF	457570001	6/27/2018	Zn-65	1.34E-04	4.96E-04	1.74E-03	U
AP	NBF	457570001	6/27/2018	Zr-95	1.10E-04	7.75E-04	2.57E-03	U
AP	SBN	457570002	6/27/2018	Ac-228	-3.65E-04	3.13E-04	8.81E-04	U
AP	SBN	457570002	6/27/2018	Ag-108m	2.53E-05	5.27E-05	1.84E-04	U
AP	SBN	457570002	6/27/2018	Ag-110m	3.02E-04	2.37E-04	5.95E-04	U
AP	SBN	457570002	6/27/2018	Ba-140	-6.44E-02	5.75E-02	1.63E-01	U
AP	SBN	457570002	6/27/2018	Be-7	1.74E-01	1.26E-02	5.08E-03	
AP	SBN	457570002	6/27/2018	Ce-141	-6.49E-04	6.85E-04	2.02E-03	U
AP	SBN	457570002	6/27/2018	Ce-144	1.35E-04	3.90E-04	1.28E-03	U
AP	SBN	457570002	6/27/2018	Co-57	5.09E-05	4.34E-05	1.47E-04	U
AP	SBN	457570002	6/27/2018	Co-58	-2.61E-04	1.70E-04	3.72E-04	U
AP	SBN	457570002	6/27/2018	Co-60	4.38E-05	7.95E-05	2.88E-04	U
AP	SBN	457570002	6/27/2018	Cr-51	-3.40E-03	6.17E-03	2.03E-02	U
AP	SBN	457570002	6/27/2018	Cs-134	1.09E-04	1.05E-04	2.62E-04	U
AP	SBN	457570002	6/27/2018	Cs-137	3.42E-04	1.05E-04	2.23E-04	UI
AP	SBN	457570002	6/27/2018	Fe-59	-1.34E-04	6.41E-04	1.97E-03	U
AP	SBN	457570002	6/27/2018	I-131	-4.15E-01	3.75E-01	0.00E+00	U
AP	SBN	457570002	6/27/2018	K-40	1.09E-03	1.10E-03	2.13E-03	U
AP	SBN	457570002	6/27/2018	La-140	-1.73E-02	1.62E-02	3.47E-02	U
AP	SBN	457570002	6/27/2018	Mn-54	1.07E-04	8.03E-05	2.93E-04	U
AP	SBN	457570002	6/27/2018	Nb-95	4.29E-05	2.12E-04	7.07E-04	U
AP	SBN	457570002	6/27/2018	Ru-103	-1.14E-04	2.80E-04	8.90E-04	U
AP	SBN	457570002	6/27/2018	Ru-106	4.41E-04	7.62E-04	2.64E-03	U
AP	SBN	457570002	6/27/2018	Sb-124	-4.00E-04	6.04E-04	1.73E-03	U
AP	SBN	457570002	6/27/2018	Sb-125	-1.65E-04	1.82E-04	5.42E-04	U
AP	SBN	457570002	6/27/2018	Se-75	-4.62E-05	1.26E-04	3.80E-04	U
AP	SBN	457570002	6/27/2018	Th-228	2.14E-04	1.55E-04	4.41E-04	U
AP	SBN	457570002	6/27/2018	Zn-65	-7.89E-06	1.56E-04	4.90E-04	U
AP	SBN	457570002	6/27/2018	Zr-95	2.10E-04	2.76E-04	9.87E-04	U
AP	DOW	457570003	6/27/2018	Ac-228	6.09E-04	3.66E-04	1.13E-03	U
AP	DOW	457570003	6/27/2018	Ag-108m	-3.28E-05	5.22E-05	1.64E-04	U
AP	DOW	457570003	6/27/2018	Ag-110m	1.72E-04	1.19E-04	4.25E-04	U
AP	DOW	457570003	6/27/2018	Ba-140	1.00E-02	4.89E-02	1.62E-01	U
AP	DOW	457570003	6/27/2018	Be-7	1.62E-01	1.06E-02	6.07E-03	
AP	DOW	457570003	6/27/2018	Ce-141	4.59E-05	5.64E-04	1.81E-03	U
AP	DOW	457570003	6/27/2018	Ce-144	-2.09E-04	3.44E-04	1.06E-03	U
AP	DOW	457570003	6/27/2018	Co-57	-3.40E-05	4.65E-05	1.43E-04	U
AP	DOW	457570003	6/27/2018	Co-58	-5.92E-05	1.71E-04	5.64E-04	U
AP	DOW	457570003	6/27/2018	Co-60	-4.52E-05	8.62E-05	2.19E-04	U
AP	DOW	457570003	6/27/2018	Cr-51	-9.20E-03	5.62E-03	1.58E-02	U
AP	DOW	457570003	6/27/2018	Cs-134	-8.14E-05	6.89E-05	1.98E-04	U
AP	DOW	457570003	6/27/2018	Cs-137	-3.80E-05	8.16E-05	2.14E-04	U
AP	DOW	457570003	6/27/2018	Fe-59	-2.04E-04	5.65E-04	1.79E-03	U
AP	DOW	457570003	6/27/2018	I-131	-1.13E-01	3.82E-01	0.00E+00	U
AP	DOW	457570003	6/27/2018	K-40	-1.32E-03	1.26E-03	3.54E-03	U
AP	DOW	457570003	6/27/2018	La-140	-1.39E-02	1.34E-02	2.79E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	457570003	6/27/2018	Mn-54	6.99E-05	6.91E-05	2.49E-04	U
AP	DOW	457570003	6/27/2018	Nb-95	-2.02E-04	2.38E-04	6.54E-04	U
AP	DOW	457570003	6/27/2018	Ru-103	1.71E-04	2.90E-04	9.86E-04	U
AP	DOW	457570003	6/27/2018	Ru-106	-9.54E-05	6.56E-04	2.09E-03	U
AP	DOW	457570003	6/27/2018	Sb-124	9.99E-05	4.71E-04	1.64E-03	U
AP	DOW	457570003	6/27/2018	Sb-125	2.35E-05	1.66E-04	5.54E-04	U
AP	DOW	457570003	6/27/2018	Se-75	-2.77E-04	1.32E-04	3.47E-04	U
AP	DOW	457570003	6/27/2018	Th-228	1.47E-04	1.45E-04	3.86E-04	U
AP	DOW	457570003	6/27/2018	Zn-65	-2.31E-05	1.78E-04	5.81E-04	U
AP	DOW	457570003	6/27/2018	Zr-95	-2.97E-04	3.23E-04	8.94E-04	U
AP	COL	457570004	6/27/2018	Ac-228	-2.31E-04	4.29E-04	1.36E-03	U
AP	COL	457570004	6/27/2018	Ag-108m	9.41E-05	8.91E-05	3.15E-04	U
AP	COL	457570004	6/27/2018	Ag-110m	-9.35E-06	1.37E-04	4.40E-04	U
AP	COL	457570004	6/27/2018	Ba-140	8.79E-02	7.82E-02	2.82E-01	U
AP	COL	457570004	6/27/2018	Be-7	1.47E-01	1.35E-02	8.63E-03	
AP	COL	457570004	6/27/2018	Ce-141	-1.07E-04	9.47E-04	3.01E-03	U
AP	COL	457570004	6/27/2018	Ce-144	1.74E-04	4.86E-04	1.60E-03	U
AP	COL	457570004	6/27/2018	Co-57	3.69E-05	6.20E-05	2.07E-04	U
AP	COL	457570004	6/27/2018	Co-58	-3.50E-05	1.19E-04	3.01E-04	U
AP	COL	457570004	6/27/2018	Co-60	2.72E-04	1.54E-04	5.70E-04	U
AP	COL	457570004	6/27/2018	Cr-51	-5.26E-03	8.08E-03	2.61E-02	U
AP	COL	457570004	6/27/2018	Cs-134	3.62E-06	1.05E-04	3.47E-04	U
AP	COL	457570004	6/27/2018	Cs-137	-3.32E-05	8.56E-05	2.68E-04	U
AP	COL	457570004	6/27/2018	Fe-59	-2.06E-04	8.34E-04	2.54E-03	U
AP	COL	457570004	6/27/2018	I-131	-4.05E-01	6.13E-01	0.00E+00	U
AP	COL	457570004	6/27/2018	K-40	6.83E-05	1.57E-03	6.17E-03	U
AP	COL	457570004	6/27/2018	La-140	-3.25E-02	3.22E-02	8.26E-02	U
AP	COL	457570004	6/27/2018	Mn-54	1.40E-04	1.23E-04	4.45E-04	U
AP	COL	457570004	6/27/2018	Nb-95	-2.74E-04	2.81E-04	7.76E-04	U
AP	COL	457570004	6/27/2018	Ru-103	-4.01E-04	4.60E-04	1.37E-03	U
AP	COL	457570004	6/27/2018	Ru-106	1.04E-03	1.02E-03	3.63E-03	U
AP	COL	457570004	6/27/2018	Sb-124	3.21E-04	5.45E-04	2.09E-03	U
AP	COL	457570004	6/27/2018	Sb-125	2.31E-04	2.56E-04	9.09E-04	U
AP	COL	457570004	6/27/2018	Se-75	-5.75E-04	2.70E-04	5.80E-04	U
AP	COL	457570004	6/27/2018	Th-228	2.37E-04	2.63E-04	3.49E-04	U
AP	COL	457570004	6/27/2018	Zn-65	5.87E-04	3.99E-04	1.42E-03	U
AP	COL	457570004	6/27/2018	Zr-95	-9.05E-05	4.83E-04	1.55E-03	U
AP	ONS-1	457570005	6/27/2018	Ac-228	7.27E-04	4.24E-04	1.50E-03	U
AP	ONS-1	457570005	6/27/2018	Ag-108m	2.46E-05	7.29E-05	2.53E-04	U
AP	ONS-1	457570005	6/27/2018	Ag-110m	-3.01E-05	9.64E-05	2.83E-04	U
AP	ONS-1	457570005	6/27/2018	Ba-140	4.56E-02	7.39E-02	2.61E-01	U
AP	ONS-1	457570005	6/27/2018	Be-7	1.71E-01	1.31E-02	5.83E-03	
AP	ONS-1	457570005	6/27/2018	Ce-141	-1.35E-03	7.92E-04	1.94E-03	U
AP	ONS-1	457570005	6/27/2018	Ce-144	-2.30E-04	5.12E-04	1.45E-03	U
AP	ONS-1	457570005	6/27/2018	Co-57	-4.24E-05	5.56E-05	1.65E-04	U
AP	ONS-1	457570005	6/27/2018	Co-58	-1.90E-04	1.94E-04	4.86E-04	U
AP	ONS-1	457570005	6/27/2018	Co-60	1.19E-05	9.81E-05	3.39E-04	U
AP	ONS-1	457570005	6/27/2018	Cr-51	-1.05E-02	7.78E-03	2.23E-02	U
AP	ONS-1	457570005	6/27/2018	Cs-134	-2.53E-04	1.27E-04	2.17E-04	U
AP	ONS-1	457570005	6/27/2018	Cs-137	3.12E-05	8.62E-05	2.97E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	457570005	6/27/2018	Fe-59	1.09E-03	8.97E-04	3.34E-03	U
AP	ONS-1	457570005	6/27/2018	I-131	9.32E-01	5.14E-01	0.00E+00	UI
AP	ONS-1	457570005	6/27/2018	K-40	-4.27E-04	1.34E-03	5.21E-03	U
AP	ONS-1	457570005	6/27/2018	La-140	2.25E-02	2.51E-02	9.88E-02	U
AP	ONS-1	457570005	6/27/2018	Mn-54	-7.66E-05	1.15E-04	3.30E-04	U
AP	ONS-1	457570005	6/27/2018	Nb-95	6.50E-05	2.96E-04	9.92E-04	U
AP	ONS-1	457570005	6/27/2018	Ru-103	-1.15E-04	3.71E-04	1.19E-03	U
AP	ONS-1	457570005	6/27/2018	Ru-106	4.46E-04	7.03E-04	2.36E-03	U
AP	ONS-1	457570005	6/27/2018	Sb-124	4.01E-04	7.54E-04	2.76E-03	U
AP	ONS-1	457570005	6/27/2018	Sb-125	-2.95E-04	2.43E-04	6.91E-04	U
AP	ONS-1	457570005	6/27/2018	Se-75	-1.36E-04	1.59E-04	4.40E-04	U
AP	ONS-1	457570005	6/27/2018	Th-228	-6.90E-05	1.59E-04	5.08E-04	U
AP	ONS-1	457570005	6/27/2018	Zn-65	-3.63E-04	3.38E-04	8.39E-04	U
AP	ONS-1	457570005	6/27/2018	Zr-95	1.56E-04	4.37E-04	1.50E-03	U
AP	ONS-2	457570006	6/27/2018	Ac-228	-3.38E-04	5.05E-04	1.67E-03	U
AP	ONS-2	457570006	6/27/2018	Ag-108m	4.32E-06	6.90E-05	2.29E-04	U
AP	ONS-2	457570006	6/27/2018	Ag-110m	-6.55E-06	2.30E-04	7.57E-04	U
AP	ONS-2	457570006	6/27/2018	Ba-140	-4.34E-02	6.68E-02	1.86E-01	U
AP	ONS-2	457570006	6/27/2018	Be-7	1.70E-01	1.39E-02	8.23E-03	
AP	ONS-2	457570006	6/27/2018	Ce-141	6.70E-04	8.60E-04	2.83E-03	U
AP	ONS-2	457570006	6/27/2018	Ce-144	-6.19E-04	4.96E-04	1.36E-03	U
AP	ONS-2	457570006	6/27/2018	Co-57	2.17E-04	9.09E-05	2.06E-04	UI
AP	ONS-2	457570006	6/27/2018	Co-58	-3.78E-04	2.88E-04	7.01E-04	U
AP	ONS-2	457570006	6/27/2018	Co-60	1.57E-05	1.69E-04	5.75E-04	U
AP	ONS-2	457570006	6/27/2018	Cr-51	3.71E-03	8.55E-03	2.99E-02	U
AP	ONS-2	457570006	6/27/2018	Cs-134	-1.88E-04	1.13E-04	2.56E-04	U
AP	ONS-2	457570006	6/27/2018	Cs-137	1.03E-04	9.65E-05	3.63E-04	U
AP	ONS-2	457570006	6/27/2018	Fe-59	-1.80E-03	1.20E-03	2.34E-03	U
AP	ONS-2	457570006	6/27/2018	I-131	7.85E-01	5.11E-01	0.00E+00	UI
AP	ONS-2	457570006	6/27/2018	K-40	-7.17E-04	1.61E-03	5.51E-03	U
AP	ONS-2	457570006	6/27/2018	La-140	3.40E-02	3.51E-02	1.38E-01	U
AP	ONS-2	457570006	6/27/2018	Mn-54	3.16E-04	1.83E-04	6.66E-04	U
AP	ONS-2	457570006	6/27/2018	Nb-95	-1.30E-04	3.18E-04	1.00E-03	U
AP	ONS-2	457570006	6/27/2018	Ru-103	-5.57E-04	5.03E-04	1.31E-03	U
AP	ONS-2	457570006	6/27/2018	Ru-106	-3.67E-04	1.22E-03	3.71E-03	U
AP	ONS-2	457570006	6/27/2018	Sb-124	4.40E-04	4.52E-04	2.05E-03	U
AP	ONS-2	457570006	6/27/2018	Sb-125	-4.26E-05	2.57E-04	8.32E-04	U
AP	ONS-2	457570006	6/27/2018	Se-75	-4.67E-06	1.86E-04	6.36E-04	U
AP	ONS-2	457570006	6/27/2018	Th-228	-1.76E-04	1.88E-04	5.79E-04	U
AP	ONS-2	457570006	6/27/2018	Zn-65	4.30E-04	3.03E-04	1.19E-03	U
AP	ONS-2	457570006	6/27/2018	Zr-95	-6.26E-04	5.76E-04	1.56E-03	U
AP	ONS-3	457570007	6/27/2018	Ac-228	1.15E-05	2.94E-04	1.06E-03	U
AP	ONS-3	457570007	6/27/2018	Ag-108m	-4.24E-05	7.57E-05	2.32E-04	U
AP	ONS-3	457570007	6/27/2018	Ag-110m	-2.23E-04	1.43E-04	3.17E-04	U
AP	ONS-3	457570007	6/27/2018	Ba-140	-1.61E-02	6.09E-02	2.04E-01	U
AP	ONS-3	457570007	6/27/2018	Be-7	1.53E-01	1.27E-02	8.72E-03	
AP	ONS-3	457570007	6/27/2018	Ce-141	3.95E-03	2.07E-03	2.33E-03	UI
AP	ONS-3	457570007	6/27/2018	Ce-144	1.47E-05	4.14E-04	1.42E-03	U
AP	ONS-3	457570007	6/27/2018	Co-57	4.69E-06	5.83E-05	2.01E-04	U
AP	ONS-3	457570007	6/27/2018	Co-58	1.55E-04	1.92E-04	7.08E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	457570007	6/27/2018	Co-60	9.47E-05	1.15E-04	4.23E-04	U
AP	ONS-3	457570007	6/27/2018	Cr-51	8.24E-03	8.62E-03	2.98E-02	U
AP	ONS-3	457570007	6/27/2018	Cs-134	3.13E-07	1.11E-04	3.52E-04	U
AP	ONS-3	457570007	6/27/2018	Cs-137	1.47E-05	8.17E-05	2.42E-04	U
AP	ONS-3	457570007	6/27/2018	Fe-59	1.80E-04	5.67E-04	2.02E-03	U
AP	ONS-3	457570007	6/27/2018	I-131	-4.58E-01	4.42E-01	0.00E+00	U
AP	ONS-3	457570007	6/27/2018	K-40	-2.37E-03	1.45E-03	3.55E-03	U
AP	ONS-3	457570007	6/27/2018	La-140	-9.42E-04	2.44E-02	7.87E-02	U
AP	ONS-3	457570007	6/27/2018	Mn-54	5.64E-05	1.15E-04	4.09E-04	U
AP	ONS-3	457570007	6/27/2018	Nb-95	-4.75E-04	2.92E-04	6.03E-04	U
AP	ONS-3	457570007	6/27/2018	Ru-103	-1.49E-04	3.46E-04	1.05E-03	U
AP	ONS-3	457570007	6/27/2018	Ru-106	-9.31E-04	9.91E-04	2.72E-03	U
AP	ONS-3	457570007	6/27/2018	Sb-124	-2.19E-05	6.39E-04	2.06E-03	U
AP	ONS-3	457570007	6/27/2018	Sb-125	-8.93E-05	2.20E-04	6.88E-04	U
AP	ONS-3	457570007	6/27/2018	Se-75	2.70E-04	1.76E-04	6.10E-04	U
AP	ONS-3	457570007	6/27/2018	Th-228	-1.76E-04	1.54E-04	4.76E-04	U
AP	ONS-3	457570007	6/27/2018	Zn-65	-5.89E-05	1.84E-04	5.69E-04	U
AP	ONS-3	457570007	6/27/2018	Zr-95	1.71E-04	3.89E-04	1.21E-03	U
AP	ONS-4	457570008	6/27/2018	Ac-228	-4.40E-05	5.03E-04	1.76E-03	U
AP	ONS-4	457570008	6/27/2018	Ag-108m	-3.66E-05	7.47E-05	2.35E-04	U
AP	ONS-4	457570008	6/27/2018	Ag-110m	1.60E-04	2.02E-04	7.39E-04	U
AP	ONS-4	457570008	6/27/2018	Ba-140	1.05E-01	8.45E-02	3.08E-01	U
AP	ONS-4	457570008	6/27/2018	Be-7	1.37E-01	1.25E-02	9.15E-03	
AP	ONS-4	457570008	6/27/2018	Ce-141	-1.57E-03	8.55E-04	2.09E-03	U
AP	ONS-4	457570008	6/27/2018	Ce-144	-1.47E-04	5.06E-04	1.65E-03	U
AP	ONS-4	457570008	6/27/2018	Co-57	5.99E-05	5.71E-05	2.02E-04	U
AP	ONS-4	457570008	6/27/2018	Co-58	4.03E-05	2.14E-04	7.50E-04	U
AP	ONS-4	457570008	6/27/2018	Co-60	9.66E-05	1.31E-04	4.80E-04	U
AP	ONS-4	457570008	6/27/2018	Cr-51	1.11E-02	8.25E-03	3.00E-02	U
AP	ONS-4	457570008	6/27/2018	Cs-134	-2.16E-04	1.72E-04	4.23E-04	U
AP	ONS-4	457570008	6/27/2018	Cs-137	1.91E-05	1.06E-04	3.51E-04	U
AP	ONS-4	457570008	6/27/2018	Fe-59	-1.31E-03	1.06E-03	2.47E-03	U
AP	ONS-4	457570008	6/27/2018	I-131	1.50E-01	4.89E-01	0.00E+00	UI
AP	ONS-4	457570008	6/27/2018	K-40	2.25E-03	1.87E-03	7.28E-03	U
AP	ONS-4	457570008	6/27/2018	La-140	-3.88E-02	3.51E-02	8.15E-02	U
AP	ONS-4	457570008	6/27/2018	Mn-54	-4.34E-05	1.42E-04	4.64E-04	U
AP	ONS-4	457570008	6/27/2018	Nb-95	-4.78E-04	3.58E-04	8.39E-04	U
AP	ONS-4	457570008	6/27/2018	Ru-103	1.18E-04	3.95E-04	1.37E-03	U
AP	ONS-4	457570008	6/27/2018	Ru-106	2.27E-04	1.23E-03	4.09E-03	U
AP	ONS-4	457570008	6/27/2018	Sb-124	-1.13E-03	9.13E-04	1.92E-03	U
AP	ONS-4	457570008	6/27/2018	Sb-125	5.57E-05	2.22E-04	7.67E-04	U
AP	ONS-4	457570008	6/27/2018	Se-75	-2.87E-06	2.06E-04	6.48E-04	U
AP	ONS-4	457570008	6/27/2018	Th-228	1.13E-04	1.53E-04	5.09E-04	U
AP	ONS-4	457570008	6/27/2018	Zn-65	1.12E-04	2.45E-04	8.84E-04	U
AP	ONS-4	457570008	6/27/2018	Zr-95	2.78E-04	4.65E-04	1.62E-03	U
AP	ONS-5	457570009	6/27/2018	Ac-228	-4.58E-04	9.61E-04	3.06E-03	U
AP	ONS-5	457570009	6/27/2018	Ag-108m	-2.97E-05	1.42E-04	4.69E-04	U
AP	ONS-5	457570009	6/27/2018	Ag-110m	-6.86E-04	4.00E-04	7.74E-04	U
AP	ONS-5	457570009	6/27/2018	Ba-140	8.17E-02	1.50E-01	5.24E-01	U
AP	ONS-5	457570009	6/27/2018	Be-7	1.89E-01	1.75E-02	1.30E-02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	457570009	6/27/2018	Ce-141	-2.35E-03	1.55E-03	4.25E-03	U
AP	ONS-5	457570009	6/27/2018	Ce-144	-8.74E-04	7.41E-04	2.12E-03	U
AP	ONS-5	457570009	6/27/2018	Co-57	2.14E-04	1.32E-04	2.83E-04	U
AP	ONS-5	457570009	6/27/2018	Co-58	-1.25E-03	6.00E-04	9.83E-04	U
AP	ONS-5	457570009	6/27/2018	Co-60	7.67E-05	2.39E-04	8.29E-04	U
AP	ONS-5	457570009	6/27/2018	Cr-51	-8.52E-03	1.56E-02	4.54E-02	U
AP	ONS-5	457570009	6/27/2018	Cs-134	-2.29E-04	2.54E-04	6.95E-04	U
AP	ONS-5	457570009	6/27/2018	Cs-137	-6.09E-05	2.37E-04	6.66E-04	U
AP	ONS-5	457570009	6/27/2018	Fe-59	4.77E-04	1.75E-03	6.11E-03	U
AP	ONS-5	457570009	6/27/2018	I-131	1.01E+00	1.03E+00	0.00E+00	UI
AP	ONS-5	457570009	6/27/2018	K-40	-1.40E-03	3.10E-03	1.05E-02	U
AP	ONS-5	457570009	6/27/2018	La-140	2.37E-02	4.40E-02	1.64E-01	U
AP	ONS-5	457570009	6/27/2018	Mn-54	-1.58E-04	1.92E-04	5.02E-04	U
AP	ONS-5	457570009	6/27/2018	Nb-95	-3.81E-05	4.84E-04	1.37E-03	U
AP	ONS-5	457570009	6/27/2018	Ru-103	-5.86E-04	9.04E-04	2.79E-03	U
AP	ONS-5	457570009	6/27/2018	Ru-106	3.64E-04	2.51E-03	7.52E-03	U
AP	ONS-5	457570009	6/27/2018	Sb-124	-7.47E-04	1.20E-03	3.06E-03	U
AP	ONS-5	457570009	6/27/2018	Sb-125	-3.05E-04	3.66E-04	1.09E-03	U
AP	ONS-5	457570009	6/27/2018	Se-75	2.29E-04	2.66E-04	9.01E-04	U
AP	ONS-5	457570009	6/27/2018	Th-228	1.34E-04	3.51E-04	8.80E-04	U
AP	ONS-5	457570009	6/27/2018	Zn-65	2.10E-04	5.52E-04	1.95E-03	U
AP	ONS-5	457570009	6/27/2018	Zr-95	2.50E-03	1.44E-03	3.89E-03	U
AP	ONS-6	457570010	6/27/2018	Ac-228	1.14E-03	6.01E-04	1.84E-03	U
AP	ONS-6	457570010	6/27/2018	Ag-108m	5.10E-05	7.39E-05	2.62E-04	U
AP	ONS-6	457570010	6/27/2018	Ag-110m	-2.66E-04	2.17E-04	5.59E-04	U
AP	ONS-6	457570010	6/27/2018	Ba-140	1.72E-01	9.49E-02	3.31E-01	U
AP	ONS-6	457570010	6/27/2018	Be-7	1.71E-01	1.30E-02	1.06E-02	
AP	ONS-6	457570010	6/27/2018	Ce-141	-2.18E-04	8.65E-04	2.71E-03	U
AP	ONS-6	457570010	6/27/2018	Ce-144	-2.97E-04	5.71E-04	1.75E-03	U
AP	ONS-6	457570010	6/27/2018	Co-57	-2.99E-05	7.32E-05	2.28E-04	U
AP	ONS-6	457570010	6/27/2018	Co-58	-2.11E-04	2.09E-04	5.37E-04	U
AP	ONS-6	457570010	6/27/2018	Co-60	2.87E-05	1.01E-04	3.40E-04	U
AP	ONS-6	457570010	6/27/2018	Cr-51	-7.84E-03	8.40E-03	2.61E-02	U
AP	ONS-6	457570010	6/27/2018	Cs-134	-1.26E-04	1.12E-04	2.88E-04	U
AP	ONS-6	457570010	6/27/2018	Cs-137	-6.69E-05	9.30E-05	2.32E-04	U
AP	ONS-6	457570010	6/27/2018	Fe-59	1.51E-04	1.02E-03	3.35E-03	U
AP	ONS-6	457570010	6/27/2018	I-131	-4.52E-02	5.59E-01	0.00E+00	U
AP	ONS-6	457570010	6/27/2018	K-40	2.85E-03	2.08E-03	2.30E-03	UI
AP	ONS-6	457570010	6/27/2018	La-140	-3.25E-02	2.28E-02	2.90E-02	U
AP	ONS-6	457570010	6/27/2018	Mn-54	8.98E-05	1.26E-04	4.41E-04	U
AP	ONS-6	457570010	6/27/2018	Nb-95	1.89E-05	3.17E-04	1.05E-03	U
AP	ONS-6	457570010	6/27/2018	Ru-103	1.82E-05	4.31E-04	1.46E-03	U
AP	ONS-6	457570010	6/27/2018	Ru-106	8.45E-04	1.01E-03	3.59E-03	U
AP	ONS-6	457570010	6/27/2018	Sb-124	-2.91E-04	7.12E-04	2.15E-03	U
AP	ONS-6	457570010	6/27/2018	Sb-125	-2.80E-04	2.23E-04	6.18E-04	U
AP	ONS-6	457570010	6/27/2018	Se-75	8.23E-06	2.06E-04	6.38E-04	U
AP	ONS-6	457570010	6/27/2018	Th-228	3.45E-04	2.69E-04	6.21E-04	U
AP	ONS-6	457570010	6/27/2018	Zn-65	3.29E-04	2.71E-04	1.02E-03	U
AP	ONS-6	457570010	6/27/2018	Zr-95	2.52E-04	4.79E-04	1.67E-03	U
AP	NBF	454071001	7/4/2018	BETA	3.19E-02	1.66E-03	1.48E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	454071002	7/4/2018	BETA	3.62E-02	1.75E-03	1.53E-03	
AP	DOW	454071003	7/4/2018	BETA	3.91E-02	2.07E-03	2.03E-03	
AP	COL	454071004	7/4/2018	BETA	3.58E-02	1.78E-03	1.48E-03	
AP	ONS-1	454071005	7/4/2018	BETA	3.66E-02	1.81E-03	1.54E-03	
AP	ONS-2	454071006	7/4/2018	BETA	3.31E-02	1.71E-03	1.58E-03	
AP	ONS-3	454071007	7/4/2018	BETA	4.69E-02	2.34E-03	2.17E-03	
AP	ONS-4	454071008	7/4/2018	BETA	3.72E-02	1.87E-03	1.57E-03	
AP	ONS-5	454071009	7/4/2018	BETA	3.37E-02	1.74E-03	1.53E-03	
AP	ONS-6	454071010	7/4/2018	BETA	3.73E-02	1.83E-03	1.62E-03	
AP	NBF	454598001	7/11/2018	BETA	3.06E-02	1.61E-03	1.47E-03	
AP	SBN	454598002	7/11/2018	BETA	3.09E-02	1.61E-03	1.55E-03	
AP	DOW	454598003	7/11/2018	BETA	3.33E-02	1.89E-03	1.88E-03	
AP	COL	454598004	7/11/2018	BETA	2.59E-02	1.52E-03	1.48E-03	
AP	ONS-1	454598005	7/11/2018	BETA	2.72E-02	1.51E-03	1.44E-03	
AP	ONS-2	454598006	7/11/2018	BETA	2.49E-02	1.44E-03	1.51E-03	
AP	ONS-3	454598007	7/11/2018	BETA	3.45E-02	1.92E-03	1.87E-03	
AP	ONS-4	454598008	7/11/2018	BETA	2.86E-02	1.58E-03	1.47E-03	
AP	ONS-5	454598009	7/11/2018	BETA	2.65E-02	1.48E-03	1.43E-03	
AP	ONS-6	454598010	7/11/2018	BETA	2.66E-02	1.53E-03	1.60E-03	
AP	NBF	455112001	7/18/2018	BETA	4.16E-02	2.10E-03	1.88E-03	
AP	SBN	455112002	7/18/2018	BETA	3.36E-02	1.73E-03	1.52E-03	
AP	DOW	455112003	7/18/2018	BETA	3.25E-02	1.74E-03	1.61E-03	
AP	COL	455112004	7/18/2018	BETA	3.37E-02	1.67E-03	1.53E-03	
AP	ONS-1	455112005	7/18/2018	BETA	3.61E-02	2.03E-03	2.01E-03	
AP	ONS-2	455112006	7/18/2018	BETA	3.17E-02	1.70E-03	1.54E-03	
AP	ONS-3	455112007	7/18/2018	BETA	3.03E-02	1.59E-03	1.45E-03	
AP	ONS-4	455112008	7/18/2018	BETA	3.15E-02	1.67E-03	1.63E-03	
AP	ONS-5	455112009	7/18/2018	BETA	4.18E-02	2.10E-03	1.88E-03	
AP	ONS-6	455112010	7/18/2018	BETA	3.08E-02	1.69E-03	1.56E-03	
AP	NBF	455640001	7/25/2018	BETA	2.42E-02	1.46E-03	1.46E-03	
AP	SBN	455640002	7/25/2018	BETA	2.46E-02	1.48E-03	1.54E-03	
AP	DOW	455640003	7/25/2018	BETA	2.71E-02	1.78E-03	1.96E-03	
AP	COL	455640004	7/25/2018	BETA	2.51E-02	1.48E-03	1.42E-03	
AP	ONS-1	455640005	7/25/2018	BETA	2.13E-02	1.41E-03	1.51E-03	
AP	ONS-2	455640006	7/25/2018	BETA	2.25E-02	1.42E-03	1.53E-03	
AP	ONS-3	455640007	7/25/2018	BETA	3.01E-02	1.81E-03	1.87E-03	
AP	ONS-4	455640008	7/25/2018	BETA	2.44E-02	1.51E-03	1.51E-03	
AP	ONS-5	455640009	7/25/2018	BETA	2.18E-02	1.40E-03	1.47E-03	
AP	ONS-6	455640010	7/25/2018	BETA	2.49E-02	1.52E-03	1.61E-03	
AP	NBF	456480001	8/1/2018	BETA	3.51E-02	1.71E-03	1.49E-03	
AP	SBN	456480002	8/1/2018	BETA	4.33E-02	2.14E-03	1.85E-03	
AP	DOW	456480003	8/1/2018	BETA	3.24E-02	1.69E-03	1.47E-03	
AP	COL	456480004	8/1/2018	BETA	3.00E-02	1.57E-03	1.39E-03	
AP	ONS-1	456480005	8/1/2018	BETA	3.29E-02	1.68E-03	1.53E-03	
AP	ONS-2	456480006	8/1/2018	BETA	4.16E-02	2.08E-03	1.82E-03	
AP	ONS-3	456480007	8/1/2018	BETA	3.69E-02	1.82E-03	1.51E-03	
AP	ONS-4	456480008	8/1/2018	BETA	3.34E-02	1.70E-03	1.46E-03	
AP	ONS-5	456480009	8/1/2018	BETA	2.91E-02	1.60E-03	1.56E-03	
AP	ONS-6	456480010	8/1/2018	BETA	3.92E-02	2.07E-03	1.91E-03	
AP	NBF	457012001	8/8/2018	BETA	4.69E-02	2.06E-03	1.57E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	457012002	8/8/2018	BETA	4.16E-02	1.85E-03	1.43E-03	
AP	DOW	457012003	8/8/2018	BETA	4.63E-02	2.03E-03	1.60E-03	
AP	COL	457012004	8/8/2018	BETA	5.19E-02	2.28E-03	1.82E-03	
AP	ONS-1	457012005	8/8/2018	BETA	4.67E-02	2.06E-03	1.57E-03	
AP	ONS-2	457012006	8/8/2018	BETA	4.28E-02	1.91E-03	1.48E-03	
AP	ONS-3	457012007	8/8/2018	BETA	4.26E-02	1.91E-03	1.53E-03	
AP	ONS-4	457012008	8/8/2018	BETA	4.65E-02	2.16E-03	1.81E-03	
AP	ONS-5	457012009	8/8/2018	BETA	4.67E-02	2.05E-03	1.56E-03	
AP	ONS-6	457012010	8/8/2018	BETA	3.80E-02	1.86E-03	1.57E-03	
AP	NBF	457591001	8/15/2018	BETA	3.66E-02	1.79E-03	1.51E-03	
AP	SBN	457591002	8/15/2018	BETA	3.59E-02	1.77E-03	1.56E-03	
AP	DOW	457591003	8/15/2018	BETA	4.32E-02	2.19E-03	2.03E-03	
AP	COL	457591004	8/15/2018	BETA	3.89E-02	1.87E-03	1.52E-03	
AP	ONS-1	457591005	8/15/2018	BETA	3.60E-02	1.78E-03	1.51E-03	
AP	ONS-2	457591006	8/15/2018	BETA	3.76E-02	1.80E-03	1.54E-03	
AP	ONS-3	457591007	8/15/2018	BETA	4.45E-02	2.18E-03	1.96E-03	
AP	ONS-4	457591008	8/15/2018	BETA	3.64E-02	1.80E-03	1.50E-03	
AP	ONS-5	457591009	8/15/2018	BETA	3.68E-02	1.77E-03	1.47E-03	
AP	ONS-6	457591010	8/15/2018	BETA	3.84E-02	1.83E-03	1.56E-03	
AP	NBF	458095001	8/22/2018	BETA	3.88E-02	1.83E-03	1.55E-03	
AP	SBN	458095002	8/22/2018	BETA	3.98E-02	2.07E-03	1.87E-03	
AP	DOW	458095003	8/22/2018	BETA	3.49E-02	1.82E-03	1.56E-03	
AP	COL	458095004	8/22/2018	BETA	4.02E-02	1.85E-03	1.48E-03	
AP	ONS-1	458095005	8/22/2018	BETA	3.54E-02	1.76E-03	1.57E-03	
AP	ONS-2	458095006	8/22/2018	BETA	4.52E-02	2.19E-03	1.87E-03	
AP	ONS-3	458095007	8/22/2018	BETA	3.97E-02	1.90E-03	1.51E-03	
AP	ONS-4	458095008	8/22/2018	BETA	3.46E-02	1.73E-03	1.50E-03	
AP	ONS-5	458095009	8/22/2018	BETA	3.83E-02	1.79E-03	1.51E-03	
AP	ONS-6	458095010	8/22/2018	BETA	4.77E-02	2.28E-03	1.93E-03	
AP	NBF	458581001	8/29/2018	BETA	4.21E-02	1.90E-03	1.51E-03	
AP	SBN	458581002	8/29/2018	BETA	4.44E-02	1.94E-03	1.51E-03	
AP	DOW	458581003	8/29/2018	BETA	5.42E-02	2.43E-03	2.02E-03	
AP	COL	458581004	8/29/2018	BETA	4.28E-02	1.94E-03	1.49E-03	
AP	ONS-1	458581005	8/29/2018	BETA	4.58E-02	1.98E-03	1.51E-03	
AP	ONS-2	458581006	8/29/2018	BETA	4.40E-02	1.93E-03	1.52E-03	
AP	ONS-3	458581007	8/29/2018	BETA	5.41E-02	2.38E-03	1.94E-03	
AP	ONS-4	458581008	8/29/2018	BETA	4.50E-02	1.99E-03	1.50E-03	
AP	ONS-5	458581009	8/29/2018	BETA	4.47E-02	1.94E-03	1.48E-03	
AP	ONS-6	458581010	8/29/2018	BETA	4.75E-02	2.03E-03	1.55E-03	
AP	NBF	458995001	9/5/2018	BETA	2.27E-02	1.47E-03	1.54E-03	
AP	SBN	458995002	9/5/2018	BETA	2.10E-02	1.36E-03	1.48E-03	
AP	DOW	458995003	9/5/2018	BETA	1.97E-02	1.34E-03	1.55E-03	
AP	COL	458995004	9/5/2018	BETA	2.17E-02	1.53E-03	1.86E-03	
AP	ONS-1	458995005	9/5/2018	BETA	2.43E-02	1.51E-03	1.54E-03	
AP	ONS-2	458995006	9/5/2018	BETA	2.37E-02	1.46E-03	1.51E-03	
AP	ONS-3	458995007	9/5/2018	BETA	2.09E-02	1.37E-03	1.54E-03	
AP	ONS-4	458995008	9/5/2018	BETA	2.83E-02	1.72E-03	1.85E-03	
AP	ONS-5	458995009	9/5/2018	BETA	2.35E-02	1.47E-03	1.50E-03	
AP	ONS-6	458995010	9/5/2018	BETA	1.99E-02	1.35E-03	1.53E-03	
AP	NBF	459937001	9/12/2018	BETA	2.14E-02	1.40E-03	1.58E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	459937002	9/12/2018	BETA	2.18E-02	1.36E-03	1.50E-03	
AP	DOW	459937003	9/12/2018	BETA	2.59E-02	1.67E-03	1.88E-03	
AP	COL	459937004	9/12/2018	BETA	2.14E-02	1.38E-03	1.46E-03	
AP	ONS-1	459937005	9/12/2018	BETA	2.20E-02	1.41E-03	1.55E-03	
AP	ONS-2	459937006	9/12/2018	BETA	2.40E-02	1.44E-03	1.54E-03	
AP	ONS-3	459937007	9/12/2018	BETA	2.79E-02	1.73E-03	1.89E-03	
AP	ONS-4	459937008	9/12/2018	BETA	2.42E-02	1.44E-03	1.43E-03	
AP	ONS-5	459937009	9/12/2018	BETA	1.75E-02	1.25E-03	1.51E-03	
AP	ONS-6	459937010	9/12/2018	BETA	2.07E-02	1.35E-03	1.53E-03	
AP	NBF	459938001	9/19/2018	BETA	3.06E-02	1.67E-03	1.54E-03	
AP	SBN	459938002	9/19/2018	BETA	3.13E-02	1.70E-03	1.65E-03	
AP	DOW	459938003	9/19/2018	BETA	2.54E-02	1.55E-03	1.67E-03	
AP	COL	459938004	9/19/2018	BETA	3.39E-02	1.92E-03	1.94E-03	
AP	ONS-1	459938005	9/19/2018	BETA	2.92E-02	1.62E-03	1.53E-03	
AP	ONS-2	459938006	9/19/2018	BETA	2.54E-02	1.50E-03	1.56E-03	
AP	ONS-3	459938007	9/19/2018	BETA	2.80E-02	1.57E-03	1.57E-03	
AP	ONS-4	459938008	9/19/2018	BETA	3.40E-02	1.90E-03	1.89E-03	
AP	ONS-5	459938009	9/19/2018	BETA	3.04E-02	1.65E-03	1.51E-03	
AP	ONS-6	459938010	9/19/2018	BETA	2.90E-02	1.59E-03	1.55E-03	
AP	NBF	460473001	9/26/2018	BETA	2.57E-02	1.52E-03	1.57E-03	
AP	SBN	460473002	9/26/2018	BETA	2.45E-02	1.47E-03	1.52E-03	
AP	DOW	460473003	9/26/2018	BETA	3.08E-02	1.89E-03	2.10E-03	
AP	COL	460473004	9/26/2018	BETA	2.75E-02	1.58E-03	1.59E-03	
AP	ONS-1	460473005	9/26/2018	BETA	2.42E-02	1.50E-03	1.61E-03	
AP	ONS-2	460473006	9/26/2018	BETA	2.43E-02	1.46E-03	1.51E-03	
AP	ONS-3	460473007	9/26/2018	BETA	3.09E-02	1.84E-03	1.99E-03	
AP	ONS-4	460473008	9/26/2018	BETA	2.69E-02	1.61E-03	1.67E-03	
AP	ONS-5	460473009	9/26/2018	BETA	2.46E-02	1.47E-03	1.52E-03	
AP	ONS-6	460473010	9/26/2018	BETA	2.51E-02	1.43E-03	1.41E-03	
AP	NBF	465097001	9/26/2018	Ac-228	5.60E-04	5.57E-04	2.01E-03	U
AP	NBF	465097001	9/26/2018	Ag-108m	5.05E-06	9.63E-05	3.12E-04	U
AP	NBF	465097001	9/26/2018	Ag-110m	-1.44E-04	1.57E-04	4.25E-04	U
AP	NBF	465097001	9/26/2018	Ba-140	4.12E-03	1.09E-02	3.63E-02	U
AP	NBF	465097001	9/26/2018	Be-7	8.13E-02	8.11E-03	6.56E-03	
AP	NBF	465097001	9/26/2018	Ce-141	2.63E-05	4.54E-04	1.52E-03	U
AP	NBF	465097001	9/26/2018	Ce-144	1.03E-03	6.57E-04	2.24E-03	U
AP	NBF	465097001	9/26/2018	Co-57	2.05E-05	7.98E-05	2.71E-04	U
AP	NBF	465097001	9/26/2018	Co-58	-3.23E-06	2.19E-04	7.36E-04	U
AP	NBF	465097001	9/26/2018	Co-60	4.94E-05	1.49E-04	5.27E-04	U
AP	NBF	465097001	9/26/2018	Cr-51	2.78E-03	3.90E-03	1.33E-02	U
AP	NBF	465097001	9/26/2018	Cs-134	2.58E-04	1.78E-04	6.44E-04	U
AP	NBF	465097001	9/26/2018	Cs-137	-6.00E-05	9.78E-05	3.00E-04	U
AP	NBF	465097001	9/26/2018	Fe-59	-2.46E-04	4.08E-04	1.13E-03	U
AP	NBF	465097001	9/26/2018	I-131	-2.65E-02	2.08E-02	5.52E-02	U
AP	NBF	465097001	9/26/2018	K-40	8.87E-04	1.78E-03	6.63E-03	U
AP	NBF	465097001	9/26/2018	La-140	8.57E-03	5.05E-03	1.98E-02	U
AP	NBF	465097001	9/26/2018	Mn-54	1.23E-04	1.44E-04	5.20E-04	U
AP	NBF	465097001	9/26/2018	Nb-95	6.98E-05	2.07E-04	7.08E-04	U
AP	NBF	465097001	9/26/2018	Ru-103	1.69E-04	2.88E-04	9.74E-04	U
AP	NBF	465097001	9/26/2018	Ru-106	5.97E-04	8.54E-04	3.13E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	465097001	9/26/2018	Sb-124	-5.07E-04	8.13E-04	2.07E-03	U
AP	NBF	465097001	9/26/2018	Sb-125	-5.16E-05	3.52E-04	1.12E-03	U
AP	NBF	465097001	9/26/2018	Se-75	3.67E-05	1.88E-04	6.24E-04	U
AP	NBF	465097001	9/26/2018	Th-228	5.72E-04	2.76E-04	4.91E-04	UI
AP	NBF	465097001	9/26/2018	Zn-65	1.13E-04	1.74E-04	6.66E-04	U
AP	NBF	465097001	9/26/2018	Zr-95	2.73E-04	3.44E-04	1.26E-03	U
AP	SBN	465097002	9/26/2018	Ac-228	-4.75E-04	3.83E-04	1.15E-03	U
AP	SBN	465097002	9/26/2018	Ag-108m	1.74E-05	7.35E-05	2.48E-04	U
AP	SBN	465097002	9/26/2018	Ag-110m	9.30E-05	1.74E-04	6.16E-04	U
AP	SBN	465097002	9/26/2018	Ba-140	1.88E-02	1.08E-02	3.79E-02	U
AP	SBN	465097002	9/26/2018	Be-7	7.93E-02	6.74E-03	4.03E-03	
AP	SBN	465097002	9/26/2018	Ce-141	-4.01E-04	4.22E-04	1.22E-03	U
AP	SBN	465097002	9/26/2018	Ce-144	5.30E-04	5.11E-04	1.71E-03	U
AP	SBN	465097002	9/26/2018	Co-57	-8.42E-07	5.86E-05	1.88E-04	U
AP	SBN	465097002	9/26/2018	Co-58	-4.88E-05	1.12E-04	3.45E-04	U
AP	SBN	465097002	9/26/2018	Co-60	2.34E-04	1.32E-04	5.15E-04	U
AP	SBN	465097002	9/26/2018	Cr-51	7.06E-03	8.71E-03	9.21E-03	U
AP	SBN	465097002	9/26/2018	Cs-134	-1.30E-04	8.98E-05	2.03E-04	U
AP	SBN	465097002	9/26/2018	Cs-137	3.93E-05	8.27E-05	2.78E-04	U
AP	SBN	465097002	9/26/2018	Fe-59	2.88E-04	5.57E-04	1.96E-03	U
AP	SBN	465097002	9/26/2018	I-131	-1.27E-02	1.66E-02	5.07E-02	U
AP	SBN	465097002	9/26/2018	K-40	-9.32E-04	1.33E-03	4.96E-03	U
AP	SBN	465097002	9/26/2018	La-140	-3.72E-03	4.06E-03	9.85E-03	U
AP	SBN	465097002	9/26/2018	Mn-54	9.86E-05	9.02E-05	3.42E-04	U
AP	SBN	465097002	9/26/2018	Nb-95	-3.03E-05	2.08E-04	6.88E-04	U
AP	SBN	465097002	9/26/2018	Ru-103	2.29E-04	2.42E-04	8.51E-04	U
AP	SBN	465097002	9/26/2018	Ru-106	3.28E-03	8.66E-04	2.62E-03	UI
AP	SBN	465097002	9/26/2018	Sb-124	-1.94E-04	5.49E-04	1.72E-03	U
AP	SBN	465097002	9/26/2018	Sb-125	6.73E-04	3.19E-04	1.01E-03	U
AP	SBN	465097002	9/26/2018	Se-75	-9.34E-05	1.35E-04	4.28E-04	U
AP	SBN	465097002	9/26/2018	Th-228	-6.04E-05	1.76E-04	5.89E-04	U
AP	SBN	465097002	9/26/2018	Zn-65	-2.77E-04	2.25E-04	5.04E-04	U
AP	SBN	465097002	9/26/2018	Zr-95	-1.09E-05	2.85E-04	9.65E-04	U
AP	DOW	465097003	9/26/2018	Ac-228	-3.13E-05	3.90E-04	1.27E-03	U
AP	DOW	465097003	9/26/2018	Ag-108m	5.25E-05	8.76E-05	2.68E-04	U
AP	DOW	465097003	9/26/2018	Ag-110m	1.30E-04	1.31E-04	4.65E-04	U
AP	DOW	465097003	9/26/2018	Ba-140	1.21E-02	7.63E-03	2.58E-02	U
AP	DOW	465097003	9/26/2018	Be-7	7.83E-02	6.01E-03	5.21E-03	
AP	DOW	465097003	9/26/2018	Ce-141	-9.87E-04	4.09E-04	9.24E-04	U
AP	DOW	465097003	9/26/2018	Ce-144	-8.20E-05	3.88E-04	1.32E-03	U
AP	DOW	465097003	9/26/2018	Co-57	-8.44E-06	4.95E-05	1.69E-04	U
AP	DOW	465097003	9/26/2018	Co-58	4.00E-05	1.45E-04	4.99E-04	U
AP	DOW	465097003	9/26/2018	Co-60	4.58E-05	1.08E-04	3.68E-04	U
AP	DOW	465097003	9/26/2018	Cr-51	-4.47E-03	2.78E-03	7.68E-03	U
AP	DOW	465097003	9/26/2018	Cs-134	8.95E-05	1.10E-04	3.84E-04	U
AP	DOW	465097003	9/26/2018	Cs-137	1.73E-04	9.08E-05	3.05E-04	U
AP	DOW	465097003	9/26/2018	Fe-59	6.45E-05	3.63E-04	1.09E-03	U
AP	DOW	465097003	9/26/2018	I-131	-1.46E-02	1.49E-02	4.48E-02	U
AP	DOW	465097003	9/26/2018	K-40	-1.70E-03	1.58E-03	4.57E-03	U
AP	DOW	465097003	9/26/2018	La-140	-1.65E-03	3.03E-03	8.84E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	465097003	9/26/2018	Mn-54	7.08E-05	1.08E-04	3.75E-04	U
AP	DOW	465097003	9/26/2018	Nb-95	-4.02E-05	1.48E-04	4.90E-04	U
AP	DOW	465097003	9/26/2018	Ru-103	1.80E-04	2.31E-04	7.72E-04	U
AP	DOW	465097003	9/26/2018	Ru-106	2.64E-04	7.17E-04	2.35E-03	U
AP	DOW	465097003	9/26/2018	Sb-124	7.55E-05	3.29E-04	1.10E-03	U
AP	DOW	465097003	9/26/2018	Sb-125	8.24E-05	2.11E-04	7.01E-04	U
AP	DOW	465097003	9/26/2018	Se-75	-5.78E-05	1.27E-04	4.13E-04	U
AP	DOW	465097003	9/26/2018	Th-228	-9.63E-05	1.49E-04	4.53E-04	U
AP	DOW	465097003	9/26/2018	Zn-65	-1.20E-04	1.79E-04	5.29E-04	U
AP	DOW	465097003	9/26/2018	Zr-95	-3.21E-05	2.96E-04	9.95E-04	U
AP	COL	465097004	9/26/2018	Ac-228	2.36E-04	4.80E-04	1.73E-03	U
AP	COL	465097004	9/26/2018	Ag-108m	9.67E-05	7.13E-05	2.53E-04	U
AP	COL	465097004	9/26/2018	Ag-110m	-3.93E-05	1.65E-04	5.43E-04	U
AP	COL	465097004	9/26/2018	Ba-140	2.77E-03	6.93E-03	2.36E-02	U
AP	COL	465097004	9/26/2018	Be-7	8.03E-02	6.86E-03	3.95E-03	
AP	COL	465097004	9/26/2018	Ce-141	-6.32E-04	3.81E-04	1.09E-03	U
AP	COL	465097004	9/26/2018	Ce-144	-4.09E-04	4.10E-04	1.27E-03	U
AP	COL	465097004	9/26/2018	Co-57	-2.60E-05	5.00E-05	1.65E-04	U
AP	COL	465097004	9/26/2018	Co-58	6.83E-05	1.34E-04	4.83E-04	U
AP	COL	465097004	9/26/2018	Co-60	-1.09E-06	9.55E-05	3.16E-04	U
AP	COL	465097004	9/26/2018	Cr-51	4.07E-03	2.88E-03	9.23E-03	U
AP	COL	465097004	9/26/2018	Cs-134	5.70E-05	1.17E-04	3.92E-04	U
AP	COL	465097004	9/26/2018	Cs-137	-1.26E-04	8.27E-05	1.03E-04	U
AP	COL	465097004	9/26/2018	Fe-59	6.22E-05	2.97E-04	1.04E-03	U
AP	COL	465097004	9/26/2018	I-131	-3.61E-04	1.38E-02	4.55E-02	U
AP	COL	465097004	9/26/2018	K-40	-8.30E-04	1.29E-03	4.45E-03	U
AP	COL	465097004	9/26/2018	La-140	-1.11E-03	3.69E-03	1.13E-02	U
AP	COL	465097004	9/26/2018	Mn-54	-3.49E-05	7.27E-05	2.25E-04	U
AP	COL	465097004	9/26/2018	Nb-95	-8.83E-05	1.67E-04	4.84E-04	U
AP	COL	465097004	9/26/2018	Ru-103	6.13E-05	1.76E-04	5.98E-04	U
AP	COL	465097004	9/26/2018	Ru-106	2.05E-05	6.80E-04	2.19E-03	U
AP	COL	465097004	9/26/2018	Sb-124	5.80E-05	4.24E-04	1.42E-03	U
AP	COL	465097004	9/26/2018	Sb-125	1.30E-04	1.74E-04	6.13E-04	U
AP	COL	465097004	9/26/2018	Se-75	2.05E-04	1.25E-04	4.40E-04	U
AP	COL	465097004	9/26/2018	Th-228	-1.99E-05	1.37E-04	4.66E-04	U
AP	COL	465097004	9/26/2018	Zn-65	-2.74E-04	2.36E-04	6.67E-04	U
AP	COL	465097004	9/26/2018	Zr-95	-4.66E-05	2.35E-04	7.16E-04	U
AP	ONS-1	465097005	9/26/2018	Ac-228	9.29E-04	4.62E-04	1.79E-03	U
AP	ONS-1	465097005	9/26/2018	Ag-108m	-1.79E-05	6.28E-05	2.02E-04	U
AP	ONS-1	465097005	9/26/2018	Ag-110m	-1.37E-04	1.48E-04	3.76E-04	U
AP	ONS-1	465097005	9/26/2018	Ba-140	3.61E-03	8.20E-03	2.81E-02	U
AP	ONS-1	465097005	9/26/2018	Be-7	7.48E-02	7.21E-03	4.78E-03	
AP	ONS-1	465097005	9/26/2018	Ce-141	9.20E-05	4.03E-04	1.20E-03	U
AP	ONS-1	465097005	9/26/2018	Ce-144	-2.50E-04	4.58E-04	1.39E-03	U
AP	ONS-1	465097005	9/26/2018	Co-57	3.57E-06	6.85E-05	2.20E-04	U
AP	ONS-1	465097005	9/26/2018	Co-58	-1.15E-04	1.35E-04	3.47E-04	U
AP	ONS-1	465097005	9/26/2018	Co-60	2.09E-04	1.62E-04	5.91E-04	U
AP	ONS-1	465097005	9/26/2018	Cr-51	-1.43E-03	2.55E-03	8.13E-03	U
AP	ONS-1	465097005	9/26/2018	Cs-134	4.70E-05	8.87E-05	3.11E-04	U
AP	ONS-1	465097005	9/26/2018	Cs-137	1.76E-05	1.03E-04	3.39E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	465097005	9/26/2018	Fe-59	-3.47E-04	3.91E-04	1.05E-03	U
AP	ONS-1	465097005	9/26/2018	I-131	-2.09E-02	1.65E-02	4.69E-02	U
AP	ONS-1	465097005	9/26/2018	K-40	1.83E-03	1.80E-03	3.22E-03	U
AP	ONS-1	465097005	9/26/2018	La-140	-7.14E-04	3.25E-03	1.01E-02	U
AP	ONS-1	465097005	9/26/2018	Mn-54	5.93E-05	1.15E-04	3.88E-04	U
AP	ONS-1	465097005	9/26/2018	Nb-95	-1.67E-04	1.44E-04	3.37E-04	U
AP	ONS-1	465097005	9/26/2018	Ru-103	-8.96E-05	2.22E-04	6.96E-04	U
AP	ONS-1	465097005	9/26/2018	Ru-106	1.36E-03	9.08E-04	3.27E-03	U
AP	ONS-1	465097005	9/26/2018	Sb-124	5.77E-04	5.58E-04	2.09E-03	U
AP	ONS-1	465097005	9/26/2018	Sb-125	-2.15E-04	2.28E-04	6.70E-04	U
AP	ONS-1	465097005	9/26/2018	Se-75	-2.73E-05	1.42E-04	4.79E-04	U
AP	ONS-1	465097005	9/26/2018	Th-228	3.50E-04	2.05E-04	5.25E-04	U
AP	ONS-1	465097005	9/26/2018	Zn-65	4.98E-04	2.71E-04	1.04E-03	U
AP	ONS-1	465097005	9/26/2018	Zr-95	-1.53E-04	3.23E-04	9.60E-04	U
AP	ONS-2	465097006	9/26/2018	Ac-228	-6.18E-04	1.07E-03	3.42E-03	U
AP	ONS-2	465097006	9/26/2018	Ag-108m	-3.12E-05	8.78E-05	2.80E-04	U
AP	ONS-2	465097006	9/26/2018	Ag-110m	-1.63E-04	2.79E-04	7.86E-04	U
AP	ONS-2	465097006	9/26/2018	Ba-140	2.99E-03	1.41E-02	4.82E-02	U
AP	ONS-2	465097006	9/26/2018	Be-7	8.86E-02	9.57E-03	8.26E-03	
AP	ONS-2	465097006	9/26/2018	Ce-141	-4.17E-04	5.86E-04	1.65E-03	U
AP	ONS-2	465097006	9/26/2018	Ce-144	2.72E-04	6.47E-04	2.20E-03	U
AP	ONS-2	465097006	9/26/2018	Co-57	-1.23E-04	8.97E-05	2.52E-04	U
AP	ONS-2	465097006	9/26/2018	Co-58	-2.31E-04	3.05E-04	8.35E-04	U
AP	ONS-2	465097006	9/26/2018	Co-60	1.54E-04	1.97E-04	7.38E-04	U
AP	ONS-2	465097006	9/26/2018	Cr-51	-7.71E-04	4.76E-03	1.46E-02	U
AP	ONS-2	465097006	9/26/2018	Cs-134	4.17E-05	1.86E-04	6.22E-04	U
AP	ONS-2	465097006	9/26/2018	Cs-137	9.82E-06	1.93E-04	6.35E-04	U
AP	ONS-2	465097006	9/26/2018	Fe-59	-7.52E-04	8.77E-04	2.45E-03	U
AP	ONS-2	465097006	9/26/2018	I-131	5.03E-02	3.00E-02	1.08E-01	U
AP	ONS-2	465097006	9/26/2018	K-40	-3.31E-03	2.87E-03	9.18E-03	U
AP	ONS-2	465097006	9/26/2018	La-140	-5.93E-03	5.91E-03	1.29E-02	U
AP	ONS-2	465097006	9/26/2018	Mn-54	-3.34E-04	2.38E-04	5.47E-04	U
AP	ONS-2	465097006	9/26/2018	Nb-95	-3.07E-04	2.23E-04	3.95E-04	U
AP	ONS-2	465097006	9/26/2018	Ru-103	-3.25E-04	4.64E-04	1.42E-03	U
AP	ONS-2	465097006	9/26/2018	Ru-106	3.20E-04	2.11E-03	7.05E-03	U
AP	ONS-2	465097006	9/26/2018	Sb-124	-1.79E-03	1.14E-03	4.50E-03	U
AP	ONS-2	465097006	9/26/2018	Sb-125	-1.20E-04	4.37E-04	1.52E-03	U
AP	ONS-2	465097006	9/26/2018	Se-75	-4.41E-05	2.58E-04	8.05E-04	U
AP	ONS-2	465097006	9/26/2018	Th-228	2.64E-06	4.03E-04	9.64E-04	U
AP	ONS-2	465097006	9/26/2018	Zn-65	2.52E-04	4.71E-04	1.56E-03	U
AP	ONS-2	465097006	9/26/2018	Zr-95	-6.92E-04	7.39E-04	1.97E-03	U
AP	ONS-3	465097007	9/26/2018	Ac-228	3.71E-04	3.30E-04	1.19E-03	U
AP	ONS-3	465097007	9/26/2018	Ag-108m	-1.42E-05	5.83E-05	1.87E-04	U
AP	ONS-3	465097007	9/26/2018	Ag-110m	8.95E-05	1.32E-04	4.27E-04	U
AP	ONS-3	465097007	9/26/2018	Ba-140	-5.77E-03	7.83E-03	2.65E-02	U
AP	ONS-3	465097007	9/26/2018	Be-7	8.83E-02	6.50E-03	2.81E-03	
AP	ONS-3	465097007	9/26/2018	Ce-141	3.06E-04	4.47E-04	7.61E-04	U
AP	ONS-3	465097007	9/26/2018	Ce-144	-4.67E-04	3.46E-04	9.45E-04	U
AP	ONS-3	465097007	9/26/2018	Co-57	-2.00E-05	4.00E-05	1.23E-04	U
AP	ONS-3	465097007	9/26/2018	Co-58	-2.30E-04	1.93E-04	5.60E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	465097007	9/26/2018	Co-60	-9.16E-05	1.30E-04	3.74E-04	U
AP	ONS-3	465097007	9/26/2018	Cr-51	-1.02E-03	2.56E-03	8.32E-03	U
AP	ONS-3	465097007	9/26/2018	Cs-134	-1.17E-04	1.16E-04	3.43E-04	U
AP	ONS-3	465097007	9/26/2018	Cs-137	1.70E-04	8.72E-05	3.04E-04	U
AP	ONS-3	465097007	9/26/2018	Fe-59	4.75E-04	4.82E-04	1.71E-03	U
AP	ONS-3	465097007	9/26/2018	I-131	-7.01E-03	1.35E-02	4.27E-02	U
AP	ONS-3	465097007	9/26/2018	K-40	9.27E-04	1.50E-03	5.15E-03	U
AP	ONS-3	465097007	9/26/2018	La-140	8.15E-04	3.09E-03	1.08E-02	U
AP	ONS-3	465097007	9/26/2018	Mn-54	2.90E-05	9.69E-05	3.34E-04	U
AP	ONS-3	465097007	9/26/2018	Nb-95	4.19E-06	1.09E-04	3.71E-04	U
AP	ONS-3	465097007	9/26/2018	Ru-103	4.31E-05	1.99E-04	6.59E-04	U
AP	ONS-3	465097007	9/26/2018	Ru-106	-2.46E-04	8.54E-04	2.64E-03	U
AP	ONS-3	465097007	9/26/2018	Sb-124	-6.34E-04	3.61E-04	4.63E-04	U
AP	ONS-3	465097007	9/26/2018	Sb-125	2.35E-04	1.92E-04	6.66E-04	U
AP	ONS-3	465097007	9/26/2018	Se-75	3.19E-05	1.03E-04	3.52E-04	U
AP	ONS-3	465097007	9/26/2018	Th-228	1.50E-04	1.38E-04	3.32E-04	U
AP	ONS-3	465097007	9/26/2018	Zn-65	3.34E-04	2.10E-04	7.85E-04	U
AP	ONS-3	465097007	9/26/2018	Zr-95	6.84E-04	2.56E-04	9.11E-04	U
AP	ONS-4	465097008	9/26/2018	Ac-228	5.57E-05	6.42E-04	1.92E-03	U
AP	ONS-4	465097008	9/26/2018	Ag-108m	1.55E-05	6.25E-05	2.11E-04	U
AP	ONS-4	465097008	9/26/2018	Ag-110m	-1.69E-04	1.67E-04	4.56E-04	U
AP	ONS-4	465097008	9/26/2018	Ba-140	-4.65E-03	9.35E-03	2.81E-02	U
AP	ONS-4	465097008	9/26/2018	Be-7	8.61E-02	6.96E-03	3.93E-03	
AP	ONS-4	465097008	9/26/2018	Ce-141	3.14E-04	6.05E-04	1.22E-03	U
AP	ONS-4	465097008	9/26/2018	Ce-144	-4.87E-05	4.03E-04	1.25E-03	U
AP	ONS-4	465097008	9/26/2018	Co-57	5.12E-05	8.14E-05	1.66E-04	U
AP	ONS-4	465097008	9/26/2018	Co-58	1.26E-04	1.57E-04	5.79E-04	U
AP	ONS-4	465097008	9/26/2018	Co-60	-1.57E-04	1.51E-04	3.78E-04	U
AP	ONS-4	465097008	9/26/2018	Cr-51	-1.56E-03	2.84E-03	8.93E-03	U
AP	ONS-4	465097008	9/26/2018	Cs-134	5.56E-05	1.16E-04	4.11E-04	U
AP	ONS-4	465097008	9/26/2018	Cs-137	-4.09E-05	1.25E-04	3.79E-04	U
AP	ONS-4	465097008	9/26/2018	Fe-59	1.42E-04	5.17E-04	1.78E-03	U
AP	ONS-4	465097008	9/26/2018	I-131	-2.41E-03	1.44E-02	4.69E-02	U
AP	ONS-4	465097008	9/26/2018	K-40	4.92E-04	1.54E-03	6.17E-03	U
AP	ONS-4	465097008	9/26/2018	La-140	2.76E-03	4.13E-03	1.49E-02	U
AP	ONS-4	465097008	9/26/2018	Mn-54	-1.64E-04	1.55E-04	4.60E-04	U
AP	ONS-4	465097008	9/26/2018	Nb-95	2.03E-04	1.95E-04	7.16E-04	U
AP	ONS-4	465097008	9/26/2018	Ru-103	2.54E-04	2.33E-04	8.29E-04	U
AP	ONS-4	465097008	9/26/2018	Ru-106	-4.07E-04	1.04E-03	3.14E-03	U
AP	ONS-4	465097008	9/26/2018	Sb-124	4.30E-05	4.61E-04	1.59E-03	U
AP	ONS-4	465097008	9/26/2018	Sb-125	5.20E-05	2.20E-04	7.38E-04	U
AP	ONS-4	465097008	9/26/2018	Se-75	9.63E-05	1.36E-04	4.74E-04	U
AP	ONS-4	465097008	9/26/2018	Th-228	1.04E-04	1.65E-04	5.87E-04	U
AP	ONS-4	465097008	9/26/2018	Zn-65	-2.50E-04	2.15E-04	4.67E-04	U
AP	ONS-4	465097008	9/26/2018	Zr-95	-9.08E-05	3.21E-04	1.05E-03	U
AP	ONS-5	465097009	9/26/2018	Ac-228	1.33E-04	5.40E-04	1.89E-03	U
AP	ONS-5	465097009	9/26/2018	Ag-108m	-1.20E-04	1.03E-04	2.83E-04	U
AP	ONS-5	465097009	9/26/2018	Ag-110m	3.27E-05	1.69E-04	5.77E-04	U
AP	ONS-5	465097009	9/26/2018	Ba-140	8.18E-04	9.50E-03	3.07E-02	U
AP	ONS-5	465097009	9/26/2018	Be-7	9.52E-02	7.52E-03	6.10E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	465097009	9/26/2018	Ce-141	-2.86E-04	4.84E-04	1.30E-03	U
AP	ONS-5	465097009	9/26/2018	Ce-144	6.11E-04	5.78E-04	1.91E-03	U
AP	ONS-5	465097009	9/26/2018	Co-57	2.32E-05	6.45E-05	2.09E-04	U
AP	ONS-5	465097009	9/26/2018	Co-58	-2.21E-05	1.77E-04	5.81E-04	U
AP	ONS-5	465097009	9/26/2018	Co-60	-1.78E-05	1.31E-04	4.08E-04	U
AP	ONS-5	465097009	9/26/2018	Cr-51	-2.36E-03	3.55E-03	1.10E-02	U
AP	ONS-5	465097009	9/26/2018	Cs-134	1.15E-04	1.20E-04	4.41E-04	U
AP	ONS-5	465097009	9/26/2018	Cs-137	-9.28E-05	1.13E-04	3.38E-04	U
AP	ONS-5	465097009	9/26/2018	Fe-59	3.67E-04	3.91E-04	1.52E-03	U
AP	ONS-5	465097009	9/26/2018	I-131	-8.35E-03	2.13E-02	6.73E-02	U
AP	ONS-5	465097009	9/26/2018	K-40	1.65E-03	1.85E-03	7.42E-03	U
AP	ONS-5	465097009	9/26/2018	La-140	1.88E-03	3.79E-03	1.38E-02	U
AP	ONS-5	465097009	9/26/2018	Mn-54	-3.76E-05	1.12E-04	3.51E-04	U
AP	ONS-5	465097009	9/26/2018	Nb-95	2.27E-04	2.71E-04	9.61E-04	U
AP	ONS-5	465097009	9/26/2018	Ru-103	3.04E-04	2.54E-04	9.07E-04	U
AP	ONS-5	465097009	9/26/2018	Ru-106	-5.25E-05	9.20E-04	3.11E-03	U
AP	ONS-5	465097009	9/26/2018	Sb-124	-2.42E-04	6.61E-04	2.03E-03	U
AP	ONS-5	465097009	9/26/2018	Sb-125	-1.55E-05	2.74E-04	8.84E-04	U
AP	ONS-5	465097009	9/26/2018	Se-75	-1.71E-04	1.72E-04	5.15E-04	U
AP	ONS-5	465097009	9/26/2018	Th-228	-2.88E-05	1.79E-04	6.19E-04	U
AP	ONS-5	465097009	9/26/2018	Zn-65	-3.43E-04	3.41E-04	8.90E-04	U
AP	ONS-5	465097009	9/26/2018	Zr-95	1.99E-05	3.26E-04	1.10E-03	U
AP	ONS-6	465097010	9/26/2018	Ac-228	6.55E-04	4.87E-04	1.81E-03	U
AP	ONS-6	465097010	9/26/2018	Ag-108m	5.23E-05	7.84E-05	2.75E-04	U
AP	ONS-6	465097010	9/26/2018	Ag-110m	-1.80E-04	1.58E-04	3.70E-04	U
AP	ONS-6	465097010	9/26/2018	Ba-140	4.42E-03	6.25E-03	2.11E-02	U
AP	ONS-6	465097010	9/26/2018	Be-7	8.07E-02	6.68E-03	5.94E-03	
AP	ONS-6	465097010	9/26/2018	Ce-141	6.42E-04	4.93E-04	8.95E-04	U
AP	ONS-6	465097010	9/26/2018	Ce-144	2.11E-03	1.53E-03	1.40E-03	UI
AP	ONS-6	465097010	9/26/2018	Co-57	-1.73E-06	5.81E-05	1.89E-04	U
AP	ONS-6	465097010	9/26/2018	Co-58	2.12E-04	1.83E-04	6.58E-04	U
AP	ONS-6	465097010	9/26/2018	Co-60	-1.73E-04	1.14E-04	2.04E-04	U
AP	ONS-6	465097010	9/26/2018	Cr-51	1.18E-03	2.93E-03	1.03E-02	U
AP	ONS-6	465097010	9/26/2018	Cs-134	2.14E-04	1.36E-04	4.88E-04	U
AP	ONS-6	465097010	9/26/2018	Cs-137	1.80E-04	1.29E-04	3.71E-04	U
AP	ONS-6	465097010	9/26/2018	Fe-59	-7.53E-04	4.94E-04	1.05E-03	U
AP	ONS-6	465097010	9/26/2018	I-131	2.11E-02	1.55E-02	5.60E-02	U
AP	ONS-6	465097010	9/26/2018	K-40	-1.56E-03	1.75E-03	5.96E-03	U
AP	ONS-6	465097010	9/26/2018	La-140	-4.03E-03	3.04E-03	4.65E-03	U
AP	ONS-6	465097010	9/26/2018	Mn-54	3.02E-05	1.29E-04	4.22E-04	U
AP	ONS-6	465097010	9/26/2018	Nb-95	8.25E-05	2.01E-04	6.76E-04	U
AP	ONS-6	465097010	9/26/2018	Ru-103	1.70E-04	2.14E-04	7.62E-04	U
AP	ONS-6	465097010	9/26/2018	Ru-106	5.31E-04	1.03E-03	3.53E-03	U
AP	ONS-6	465097010	9/26/2018	Sb-124	-8.03E-04	8.55E-04	2.30E-03	U
AP	ONS-6	465097010	9/26/2018	Sb-125	1.19E-04	2.14E-04	6.92E-04	U
AP	ONS-6	465097010	9/26/2018	Se-75	4.11E-04	2.64E-04	5.83E-04	U
AP	ONS-6	465097010	9/26/2018	Th-228	1.46E-04	2.40E-04	6.26E-04	U
AP	ONS-6	465097010	9/26/2018	Zn-65	-1.07E-04	2.08E-04	6.20E-04	U
AP	ONS-6	465097010	9/26/2018	Zr-95	-4.00E-04	3.05E-04	6.92E-04	U
AP	NBF	461118001	10/3/2018	BETA	2.99E-02	1.60E-03	1.56E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	461118002	10/3/2018	BETA	4.11E-02	2.11E-03	1.95E-03	
AP	DOW	461118003	10/3/2018	BETA	2.91E-02	1.67E-03	1.60E-03	
AP	COL	461118004	10/3/2018	BETA	2.84E-02	1.58E-03	1.55E-03	
AP	ONS-1	461118005	10/3/2018	BETA	2.97E-02	1.58E-03	1.52E-03	
AP	ONS-2	461118006	10/3/2018	BETA	3.93E-02	2.02E-03	1.88E-03	
AP	ONS-3	461118007	10/3/2018	BETA	3.38E-02	1.73E-03	1.55E-03	
AP	ONS-4	461118008	10/3/2018	BETA	2.89E-02	1.60E-03	1.57E-03	
AP	ONS-5	461118009	10/3/2018	BETA	2.80E-02	1.54E-03	1.54E-03	
AP	ONS-6	461118010	10/3/2018	BETA	3.47E-02	1.97E-03	1.99E-03	
AP	NBF	461652001	10/10/2018	BETA	2.64E-02	1.54E-03	1.57E-03	
AP	SBN	461652002	10/10/2018	BETA	2.56E-02	1.50E-03	1.57E-03	
AP	DOW	461652003	10/10/2018	BETA	3.16E-02	1.90E-03	2.03E-03	
AP	COL	461652004	10/10/2018	BETA	2.58E-02	1.50E-03	1.49E-03	
AP	ONS-1	461652005	10/10/2018	BETA	2.37E-02	1.48E-03	1.60E-03	
AP	ONS-2	461652006	10/10/2018	BETA	2.61E-02	1.58E-03	1.71E-03	
AP	ONS-3	461652007	10/10/2018	BETA	2.98E-02	1.73E-03	1.80E-03	
AP	ONS-4	461652008	10/10/2018	BETA	2.58E-02	1.53E-03	1.54E-03	
AP	ONS-5	461652009	10/10/2018	BETA	2.39E-02	1.47E-03	1.58E-03	
AP	ONS-6	461652010	10/10/2018	BETA	2.41E-02	1.46E-03	1.57E-03	
AP	NBF	462227001	10/17/2018	BETA	2.65E-02	1.56E-03	1.62E-03	
AP	SBN	462227002	10/17/2018	BETA	2.75E-02	1.54E-03	1.52E-03	
AP	DOW	462227003	10/17/2018	BETA	2.60E-02	1.54E-03	1.62E-03	
AP	COL	462227004	10/17/2018	BETA	3.42E-02	1.90E-03	1.93E-03	
AP	ONS-1	462227005	10/17/2018	BETA	2.67E-02	1.56E-03	1.62E-03	
AP	ONS-3	462227006	10/17/2018	BETA	2.61E-02	1.50E-03	1.53E-03	
AP	ONS-4	462227007	10/17/2018	BETA	2.48E-02	1.45E-03	1.51E-03	
AP	ONS-5	462227008	10/17/2018	BETA	2.94E-02	1.78E-03	1.94E-03	
AP	ONS-6	462227009	10/17/2018	BETA	3.05E-02	1.65E-03	1.59E-03	
AP	NBF	462774001	10/20/2018	BETA	2.64E-02	1.70E-03	1.92E-03	
AP	SBN	462774002	10/20/2018	BETA	2.31E-02	1.48E-03	1.63E-03	
AP	DOW	462774003	10/20/2018	BETA	1.88E-02	1.36E-03	1.70E-03	
AP	COL	462774004	10/20/2018	BETA	2.02E-02	1.35E-03	1.58E-03	
AP	ONS-2	462774006	10/20/2018	BETA	2.30E-02	1.51E-03	1.70E-03	
AP	ONS-4	462774008	10/20/2018	BETA	2.17E-02	1.40E-03	1.59E-03	
AP	ONS-5	462774009	10/20/2018	BETA	2.63E-02	1.70E-03	1.93E-03	
AP	ONS-6	462774010	10/20/2018	BETA	2.54E-02	1.57E-03	1.69E-03	
AP	ONS-3	462774007	10/21/2018	BETA	2.23E-02	1.42E-03	1.60E-03	
AP	ONS-1	462774005	10/22/2018	BETA	2.67E-02	2.25E-03	3.11E-03	
AP	NBF	463334001	10/27/2018	BETA	2.79E-02	1.56E-03	1.57E-03	
AP	SBN	463334002	10/27/2018	BETA	2.93E-02	1.61E-03	1.51E-03	
AP	DOW	463334003	10/27/2018	BETA	2.64E-02	1.65E-03	1.85E-03	
AP	COL	463334004	10/27/2018	BETA	2.87E-02	1.69E-03	1.75E-03	
AP	ONS-1	463334005	10/27/2018	BETA	2.79E-02	1.60E-03	1.64E-03	
AP	ONS-2	463334006	10/27/2018	BETA	3.00E-02	1.65E-03	1.56E-03	
AP	ONS-3	463334007	10/27/2018	BETA	2.87E-02	1.64E-03	1.71E-03	
AP	ONS-4	463334008	10/27/2018	BETA	3.55E-02	1.88E-03	1.77E-03	
AP	ONS-5	463334009	10/27/2018	BETA	2.75E-02	1.58E-03	1.62E-03	
AP	ONS-6	463334010	10/27/2018	BETA	2.58E-02	1.54E-03	1.55E-03	
AP	NBF	464017001	11/3/2018	BETA	2.29E-02	1.45E-03	1.58E-03	
AP	SBN	464017002	11/3/2018	BETA	3.07E-02	1.74E-03	1.69E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	464017003	11/3/2018	BETA	2.57E-02	1.55E-03	1.66E-03	
AP	COL	464017004	11/3/2018	BETA	2.63E-02	1.56E-03	1.57E-03	
AP	ONS-1	464017005	11/3/2018	BETA	2.44E-02	1.53E-03	1.65E-03	
AP	ONS-2	464017006	11/3/2018	BETA	2.65E-02	1.61E-03	1.66E-03	
AP	ONS-5	464017009	11/3/2018	BETA	2.60E-02	1.56E-03	1.64E-03	
AP	ONS-6	464017010	11/3/2018	BETA	2.98E-02	1.74E-03	1.74E-03	
AP	ONS-3	464017007	11/4/2018	BETA	2.28E-02	1.45E-03	1.62E-03	
AP	ONS-4	464017008	11/4/2018	BETA	2.62E-02	1.53E-03	1.52E-03	
AP	NBF	464429001	11/10/2018	BETA	2.80E-02	1.56E-03	1.58E-03	
AP	SBN	464429002	11/10/2018	BETA	3.20E-02	1.65E-03	1.51E-03	
AP	DOW	464429003	11/10/2018	BETA	3.06E-02	1.68E-03	1.69E-03	
AP	COL	464429004	11/10/2018	BETA	3.21E-02	1.79E-03	1.77E-03	
AP	ONS-1	464429005	11/10/2018	BETA	2.84E-02	1.58E-03	1.60E-03	
AP	ONS-2	464429006	11/10/2018	BETA	2.79E-02	1.54E-03	1.50E-03	
AP	ONS-3	464429007	11/10/2018	BETA	3.03E-02	1.66E-03	1.66E-03	
AP	ONS-4	464429008	11/10/2018	BETA	3.52E-02	1.86E-03	1.76E-03	
AP	ONS-5	464429009	11/10/2018	BETA	3.08E-02	1.65E-03	1.62E-03	
AP	ONS-6	464429010	11/10/2018	BETA	2.97E-02	1.62E-03	1.55E-03	
AP	NBF	465343001	11/17/2018	BETA	2.01E-02	1.45E-03	1.76E-03	
AP	SBN	465343002	11/17/2018	BETA	1.48E-02	1.21E-03	1.65E-03	
AP	DOW	465343003	11/17/2018	BETA	1.25E-02	1.10E-03	1.54E-03	
AP	COL	465343004	11/17/2018	BETA	1.42E-02	1.22E-03	1.71E-03	
AP	ONS-1	465343005	11/17/2018	BETA	2.08E-02	1.46E-03	1.73E-03	
AP	ONS-2	465343006	11/17/2018	BETA	2.18E-02	1.42E-03	1.63E-03	
AP	ONS-3	465343007	11/17/2018	BETA	2.82E-02	1.56E-03	1.53E-03	
AP	ONS-4	465343008	11/17/2018	BETA	2.57E-02	1.57E-03	1.72E-03	
AP	ONS-5	465343009	11/17/2018	BETA	2.59E-02	1.61E-03	1.74E-03	
AP	ONS-6	465343010	11/17/2018	BETA	2.52E-02	1.54E-03	1.68E-03	
AP	NBF	465787001	11/24/2018	BETA	4.04E-02	1.94E-03	1.86E-03	
AP	SBN	465787002	11/24/2018	BETA	4.96E-02	2.14E-03	1.81E-03	
AP	DOW	465787003	11/24/2018	BETA	3.40E-02	1.74E-03	1.65E-03	
AP	COL	465787004	11/24/2018	BETA	3.66E-02	1.74E-03	1.46E-03	
AP	ONS-1	465787005	11/24/2018	BETA	3.93E-02	1.91E-03	1.85E-03	
AP	ONS-2	465787006	11/24/2018	BETA	4.15E-02	2.00E-03	1.87E-03	
AP	ONS-3	465787007	11/24/2018	BETA	3.69E-02	1.79E-03	1.62E-03	
AP	ONS-4	465787008	11/24/2018	BETA	3.33E-02	1.70E-03	1.50E-03	
AP	ONS-5	465787009	11/24/2018	BETA	3.62E-02	1.82E-03	1.81E-03	
AP	ONS-6	465787010	11/24/2018	BETA	3.75E-02	1.97E-03	1.98E-03	
AP	NBF	466454001	12/5/2018	BETA	2.43E-02	1.54E-03	1.89E-03	
AP	SBN	466454002	12/5/2018	BETA	2.77E-02	1.63E-03	1.77E-03	
AP	DOW	466454003	12/5/2018	BETA	2.30E-02	1.45E-03	1.58E-03	
AP	COL	466454004	12/5/2018	BETA	2.12E-02	1.37E-03	1.50E-03	
AP	ONS-1	466454005	12/5/2018	BETA	2.27E-02	1.49E-03	1.87E-03	
AP	ONS-2	466454006	12/5/2018	BETA	2.61E-02	1.63E-03	1.85E-03	
AP	ONS-3	466454007	12/5/2018	BETA	2.06E-02	1.39E-03	1.59E-03	
AP	ONS-4	466454008	12/5/2018	BETA	2.42E-02	1.48E-03	1.55E-03	
AP	ONS-5	466454009	12/5/2018	BETA	2.59E-02	1.58E-03	1.88E-03	
AP	ONS-6	466454010	12/5/2018	BETA	2.81E-02	1.71E-03	1.90E-03	
AP	NBF	466984001	12/12/2018	BETA	6.53E-02	2.51E-03	1.89E-03	
AP	SBN	466984002	12/12/2018	BETA	4.92E-02	2.02E-03	1.66E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	466984003	12/12/2018	BETA	5.41E-02	2.15E-03	1.57E-03	
AP	COL	466984004	12/12/2018	BETA	5.91E-02	2.26E-03	1.70E-03	
AP	ONS-1	466984005	12/12/2018	BETA	6.03E-02	2.40E-03	1.87E-03	
AP	ONS-2	466984006	12/12/2018	BETA	6.07E-02	2.28E-03	1.75E-03	
AP	ONS-3	466984007	12/12/2018	BETA	5.49E-02	2.15E-03	1.56E-03	
AP	ONS-4	466984008	12/12/2018	BETA	5.44E-02	2.22E-03	1.76E-03	
AP	ONS-5	466984009	12/12/2018	BETA	7.21E-02	2.59E-03	1.84E-03	
AP	ONS-6	466984010	12/12/2018	BETA	5.28E-02	2.12E-03	1.72E-03	
AP	NBF	467546001	12/19/2018	BETA	4.33E-02	1.97E-03	1.78E-03	
AP	SBN	467546002	12/19/2018	BETA	4.90E-02	1.99E-03	1.50E-03	
AP	DOW	467546003	12/19/2018	BETA	5.13E-02	2.63E-03	2.54E-03	
AP	COL	467546004	12/19/2018	BETA	4.93E-02	2.16E-03	1.83E-03	
AP	ONS-1	467546005	12/19/2018	BETA	4.62E-02	2.03E-03	1.79E-03	
AP	ONS-2	467546006	12/19/2018	BETA	4.80E-02	2.01E-03	1.55E-03	
AP	ONS-3	467546007	12/19/2018	BETA	4.82E-02	2.09E-03	1.75E-03	
AP	ONS-4	467546008	12/19/2018	BETA	4.70E-02	2.14E-03	1.88E-03	
AP	ONS-5	467546009	12/19/2018	BETA	5.09E-02	2.11E-03	1.77E-03	
AP	ONS-6	467546010	12/19/2018	BETA	4.73E-02	2.02E-03	1.59E-03	
AP	NBF	467779001	12/26/2018	BETA	4.17E-02	2.03E-03	1.89E-03	
AP	SBN	467779002	12/26/2018	BETA	3.49E-02	1.73E-03	1.69E-03	
AP	DOW	467779003	12/26/2018	BETA	3.74E-02	1.83E-03	1.61E-03	
AP	COL	467779004	12/26/2018	BETA	3.77E-02	1.92E-03	1.86E-03	
AP	ONS-1	467779005	12/26/2018	BETA	3.90E-02	1.96E-03	1.88E-03	
AP	ONS-2	467779006	12/26/2018	BETA	3.36E-02	1.74E-03	1.77E-03	
AP	ONS-3	467779007	12/26/2018	BETA	3.71E-02	1.81E-03	1.60E-03	
AP	ONS-4	467779008	12/26/2018	BETA	3.52E-02	1.83E-03	1.79E-03	
AP	ONS-5	467779009	12/26/2018	BETA	4.04E-02	1.99E-03	1.86E-03	
AP	ONS-6	467779010	12/26/2018	BETA	3.60E-02	1.80E-03	1.78E-03	
AP	NBF	469367001	12/26/2018	Ac-228	-7.05E-04	3.97E-04	1.04E-03	U
AP	NBF	469367001	12/26/2018	Ag-108m	-1.73E-05	5.34E-05	1.76E-04	U
AP	NBF	469367001	12/26/2018	Ag-110m	7.58E-05	1.15E-04	3.59E-04	U
AP	NBF	469367001	12/26/2018	Ba-140	1.37E-03	1.20E-03	4.19E-03	U
AP	NBF	469367001	12/26/2018	Be-7	5.60E-02	3.80E-03	1.90E-03	
AP	NBF	469367001	12/26/2018	Ce-141	4.41E-05	1.44E-04	4.68E-04	U
AP	NBF	469367001	12/26/2018	Ce-144	2.98E-04	3.32E-04	1.09E-03	U
AP	NBF	469367001	12/26/2018	Co-57	-1.98E-05	4.16E-05	1.19E-04	U
AP	NBF	469367001	12/26/2018	Co-58	3.79E-04	1.03E-04	2.47E-04	UI
AP	NBF	469367001	12/26/2018	Co-60	-6.74E-05	8.59E-05	2.35E-04	U
AP	NBF	469367001	12/26/2018	Cr-51	4.59E-04	9.04E-04	3.16E-03	U
AP	NBF	469367001	12/26/2018	Cs-134	3.27E-05	8.08E-05	2.73E-04	U
AP	NBF	469367001	12/26/2018	Cs-137	6.37E-05	7.58E-05	2.62E-04	U
AP	NBF	469367001	12/26/2018	Fe-59	1.58E-04	1.89E-04	6.64E-04	U
AP	NBF	469367001	12/26/2018	I-131	1.49E-03	9.24E-04	3.17E-03	U
AP	NBF	469367001	12/26/2018	K-40	1.81E-04	1.81E-03	2.58E-03	U
AP	NBF	469367001	12/26/2018	La-140	-1.79E-04	3.61E-04	1.10E-03	U
AP	NBF	469367001	12/26/2018	Mn-54	1.18E-04	8.09E-05	2.81E-04	U
AP	NBF	469367001	12/26/2018	Nb-95	-3.64E-05	1.04E-04	3.00E-04	U
AP	NBF	469367001	12/26/2018	Ru-103	2.00E-04	1.55E-04	2.85E-04	U
AP	NBF	469367001	12/26/2018	Ru-106	7.91E-06	6.00E-04	2.00E-03	U
AP	NBF	469367001	12/26/2018	Sb-124	-8.71E-05	1.81E-04	5.43E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	469367001	12/26/2018	Sb-125	3.84E-04	2.45E-04	5.78E-04	U
AP	NBF	469367001	12/26/2018	Se-75	-3.69E-05	8.97E-05	2.71E-04	U
AP	NBF	469367001	12/26/2018	Th-228	-3.12E-05	1.26E-04	3.81E-04	U
AP	NBF	469367001	12/26/2018	Zn-65	-5.70E-05	1.53E-04	4.64E-04	U
AP	NBF	469367001	12/26/2018	Zr-95	-1.92E-04	1.70E-04	3.97E-04	U
AP	SBN	469367002	12/26/2018	Ac-228	-2.20E-04	4.35E-04	1.29E-03	U
AP	SBN	469367002	12/26/2018	Ag-108m	6.93E-05	6.00E-05	2.10E-04	U
AP	SBN	469367002	12/26/2018	Ag-110m	-9.96E-05	1.24E-04	3.76E-04	U
AP	SBN	469367002	12/26/2018	Ba-140	7.90E-04	1.20E-03	4.12E-03	U
AP	SBN	469367002	12/26/2018	Be-7	6.07E-02	4.06E-03	2.18E-03	
AP	SBN	469367002	12/26/2018	Ce-141	1.07E-05	1.81E-04	3.85E-04	U
AP	SBN	469367002	12/26/2018	Ce-144	4.74E-05	2.79E-04	9.36E-04	U
AP	SBN	469367002	12/26/2018	Co-57	2.82E-06	3.55E-05	1.19E-04	U
AP	SBN	469367002	12/26/2018	Co-58	8.41E-05	9.04E-05	3.27E-04	U
AP	SBN	469367002	12/26/2018	Co-60	4.11E-05	9.63E-05	3.28E-04	U
AP	SBN	469367002	12/26/2018	Cr-51	1.47E-03	1.16E-03	4.07E-03	U
AP	SBN	469367002	12/26/2018	Cs-134	-9.75E-05	8.12E-05	2.27E-04	U
AP	SBN	469367002	12/26/2018	Cs-137	4.97E-05	6.64E-05	2.29E-04	U
AP	SBN	469367002	12/26/2018	Fe-59	2.43E-04	2.54E-04	9.09E-04	U
AP	SBN	469367002	12/26/2018	I-131	1.06E-04	9.22E-04	2.89E-03	U
AP	SBN	469367002	12/26/2018	K-40	7.20E-04	1.37E-03	4.96E-03	U
AP	SBN	469367002	12/26/2018	La-140	3.84E-04	4.82E-04	1.79E-03	U
AP	SBN	469367002	12/26/2018	Mn-54	-7.12E-07	7.45E-05	2.51E-04	U
AP	SBN	469367002	12/26/2018	Nb-95	-7.86E-05	1.23E-04	3.42E-04	U
AP	SBN	469367002	12/26/2018	Ru-103	7.40E-05	1.15E-04	3.92E-04	U
AP	SBN	469367002	12/26/2018	Ru-106	3.85E-04	6.67E-04	2.26E-03	U
AP	SBN	469367002	12/26/2018	Sb-124	1.44E-05	2.94E-04	9.85E-04	U
AP	SBN	469367002	12/26/2018	Sb-125	8.97E-05	1.76E-04	6.08E-04	U
AP	SBN	469367002	12/26/2018	Se-75	-8.64E-06	9.21E-05	2.87E-04	U
AP	SBN	469367002	12/26/2018	Th-228	4.49E-05	1.27E-04	3.95E-04	U
AP	SBN	469367002	12/26/2018	Zn-65	2.40E-04	1.68E-04	6.29E-04	U
AP	SBN	469367002	12/26/2018	Zr-95	7.85E-05	1.75E-04	5.81E-04	U
AP	DOW	469367003	12/26/2018	Ac-228	6.52E-04	5.17E-04	1.09E-03	U
AP	DOW	469367003	12/26/2018	Ag-108m	5.04E-06	5.10E-05	1.71E-04	U
AP	DOW	469367003	12/26/2018	Ag-110m	-7.92E-05	9.92E-05	2.77E-04	U
AP	DOW	469367003	12/26/2018	Ba-140	5.83E-04	1.10E-03	3.72E-03	U
AP	DOW	469367003	12/26/2018	Be-7	5.16E-02	3.81E-03	2.45E-03	
AP	DOW	469367003	12/26/2018	Ce-141	1.01E-04	2.17E-04	4.03E-04	U
AP	DOW	469367003	12/26/2018	Ce-144	1.20E-05	2.99E-04	9.57E-04	U
AP	DOW	469367003	12/26/2018	Co-57	7.08E-05	4.35E-05	1.40E-04	U
AP	DOW	469367003	12/26/2018	Co-58	-9.31E-05	8.70E-05	2.33E-04	U
AP	DOW	469367003	12/26/2018	Co-60	3.30E-05	8.04E-05	2.78E-04	U
AP	DOW	469367003	12/26/2018	Cr-51	-1.48E-03	9.81E-04	2.82E-03	U
AP	DOW	469367003	12/26/2018	Cs-134	-9.47E-05	1.02E-04	2.49E-04	U
AP	DOW	469367003	12/26/2018	Cs-137	2.53E-05	6.53E-05	2.18E-04	U
AP	DOW	469367003	12/26/2018	Fe-59	-1.75E-04	1.96E-04	5.71E-04	U
AP	DOW	469367003	12/26/2018	I-131	-8.66E-04	7.44E-04	2.21E-03	U
AP	DOW	469367003	12/26/2018	K-40	1.38E-03	1.13E-03	1.37E-03	UI
AP	DOW	469367003	12/26/2018	La-140	-4.32E-04	4.57E-04	1.22E-03	U
AP	DOW	469367003	12/26/2018	Mn-54	9.49E-05	8.69E-05	2.94E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	469367003	12/26/2018	Nb-95	8.51E-05	9.53E-05	3.23E-04	U
AP	DOW	469367003	12/26/2018	Ru-103	1.56E-04	7.73E-05	2.48E-04	U
AP	DOW	469367003	12/26/2018	Ru-106	1.02E-03	6.93E-04	2.36E-03	U
AP	DOW	469367003	12/26/2018	Sb-124	2.15E-04	1.73E-04	6.82E-04	U
AP	DOW	469367003	12/26/2018	Sb-125	5.64E-05	1.59E-04	5.41E-04	U
AP	DOW	469367003	12/26/2018	Se-75	-6.00E-05	8.03E-05	2.60E-04	U
AP	DOW	469367003	12/26/2018	Th-228	2.59E-05	1.52E-04	4.14E-04	U
AP	DOW	469367003	12/26/2018	Zn-65	3.91E-05	1.27E-04	4.41E-04	U
AP	DOW	469367003	12/26/2018	Zr-95	-5.64E-06	1.72E-04	4.97E-04	U
AP	COL	469367004	12/26/2018	Ac-228	6.15E-04	4.23E-04	1.35E-03	U
AP	COL	469367004	12/26/2018	Ag-108m	3.42E-05	5.93E-05	2.00E-04	U
AP	COL	469367004	12/26/2018	Ag-110m	-1.05E-04	1.10E-04	3.22E-04	U
AP	COL	469367004	12/26/2018	Ba-140	9.16E-04	1.29E-03	4.34E-03	U
AP	COL	469367004	12/26/2018	Be-7	5.58E-02	3.83E-03	2.42E-03	
AP	COL	469367004	12/26/2018	Ce-141	-4.01E-05	1.27E-04	3.88E-04	U
AP	COL	469367004	12/26/2018	Ce-144	-4.00E-04	3.23E-04	9.00E-04	U
AP	COL	469367004	12/26/2018	Co-57	3.02E-05	3.67E-05	1.19E-04	U
AP	COL	469367004	12/26/2018	Co-58	-1.21E-04	9.40E-05	2.61E-04	U
AP	COL	469367004	12/26/2018	Co-60	1.12E-04	7.54E-05	2.86E-04	U
AP	COL	469367004	12/26/2018	Cr-51	-6.57E-04	1.13E-03	3.04E-03	U
AP	COL	469367004	12/26/2018	Cs-134	-1.01E-04	9.60E-05	2.18E-04	U
AP	COL	469367004	12/26/2018	Cs-137	2.61E-05	7.34E-05	2.41E-04	U
AP	COL	469367004	12/26/2018	Fe-59	-3.56E-04	2.15E-04	4.67E-04	U
AP	COL	469367004	12/26/2018	I-131	-3.00E-05	6.91E-04	2.28E-03	U
AP	COL	469367004	12/26/2018	K-40	9.08E-04	1.35E-03	2.29E-03	U
AP	COL	469367004	12/26/2018	La-140	-4.33E-04	5.67E-04	1.56E-03	U
AP	COL	469367004	12/26/2018	Mn-54	-1.33E-04	9.07E-05	2.44E-04	U
AP	COL	469367004	12/26/2018	Nb-95	8.00E-05	9.04E-05	3.16E-04	U
AP	COL	469367004	12/26/2018	Ru-103	-4.58E-05	9.73E-05	3.01E-04	U
AP	COL	469367004	12/26/2018	Ru-106	-1.36E-03	7.54E-04	1.74E-03	U
AP	COL	469367004	12/26/2018	Sb-124	-2.88E-04	2.61E-04	6.86E-04	U
AP	COL	469367004	12/26/2018	Sb-125	-1.10E-04	1.58E-04	4.82E-04	U
AP	COL	469367004	12/26/2018	Se-75	-5.18E-05	8.52E-05	2.75E-04	U
AP	COL	469367004	12/26/2018	Th-228	-2.24E-04	1.23E-04	3.31E-04	U
AP	COL	469367004	12/26/2018	Zn-65	-7.36E-05	1.97E-04	6.21E-04	U
AP	COL	469367004	12/26/2018	Zr-95	-2.92E-06	1.72E-04	5.13E-04	U
AP	ONS-1	469367005	12/26/2018	Ac-228	-2.51E-04	6.95E-04	2.16E-03	U
AP	ONS-1	469367005	12/26/2018	Ag-108m	1.21E-04	1.10E-04	3.85E-04	U
AP	ONS-1	469367005	12/26/2018	Ag-110m	3.71E-04	2.87E-04	7.32E-04	U
AP	ONS-1	469367005	12/26/2018	Ba-140	2.63E-03	2.24E-03	7.30E-03	U
AP	ONS-1	469367005	12/26/2018	Be-7	5.94E-02	5.04E-03	4.94E-03	
AP	ONS-1	469367005	12/26/2018	Ce-141	-5.30E-04	2.61E-04	6.31E-04	U
AP	ONS-1	469367005	12/26/2018	Ce-144	-8.33E-05	4.60E-04	1.50E-03	U
AP	ONS-1	469367005	12/26/2018	Co-57	-8.89E-05	5.90E-05	1.67E-04	U
AP	ONS-1	469367005	12/26/2018	Co-58	3.94E-05	1.83E-04	6.03E-04	U
AP	ONS-1	469367005	12/26/2018	Co-60	3.80E-05	1.77E-04	5.98E-04	U
AP	ONS-1	469367005	12/26/2018	Cr-51	1.76E-03	1.59E-03	5.26E-03	U
AP	ONS-1	469367005	12/26/2018	Cs-134	4.93E-05	1.68E-04	5.02E-04	U
AP	ONS-1	469367005	12/26/2018	Cs-137	-1.72E-04	1.39E-04	3.80E-04	U
AP	ONS-1	469367005	12/26/2018	Fe-59	8.71E-04	4.89E-04	1.55E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	469367005	12/26/2018	I-131	-2.04E-04	1.32E-03	4.46E-03	U
AP	ONS-1	469367005	12/26/2018	K-40	-1.20E-03	1.97E-03	6.80E-03	U
AP	ONS-1	469367005	12/26/2018	La-140	-5.91E-04	7.85E-04	2.14E-03	U
AP	ONS-1	469367005	12/26/2018	Mn-54	1.46E-04	1.40E-04	4.87E-04	U
AP	ONS-1	469367005	12/26/2018	Nb-95	2.76E-04	1.82E-04	6.37E-04	U
AP	ONS-1	469367005	12/26/2018	Ru-103	-4.77E-05	1.81E-04	5.92E-04	U
AP	ONS-1	469367005	12/26/2018	Ru-106	-1.25E-03	1.34E-03	3.97E-03	U
AP	ONS-1	469367005	12/26/2018	Sb-124	4.53E-04	2.82E-04	1.22E-03	U
AP	ONS-1	469367005	12/26/2018	Sb-125	6.17E-04	3.25E-04	1.12E-03	U
AP	ONS-1	469367005	12/26/2018	Se-75	2.64E-04	1.51E-04	4.92E-04	U
AP	ONS-1	469367005	12/26/2018	Th-228	4.32E-04	3.25E-04	7.34E-04	U
AP	ONS-1	469367005	12/26/2018	Zn-65	-2.17E-05	3.09E-04	1.03E-03	U
AP	ONS-1	469367005	12/26/2018	Zr-95	-4.02E-04	3.26E-04	7.94E-04	U
AP	ONS-2	469367006	12/26/2018	Ac-228	-4.05E-04	3.81E-04	1.10E-03	U
AP	ONS-2	469367006	12/26/2018	Ag-108m	-2.22E-05	4.89E-05	1.58E-04	U
AP	ONS-2	469367006	12/26/2018	Ag-110m	5.90E-05	9.13E-05	3.25E-04	U
AP	ONS-2	469367006	12/26/2018	Ba-140	1.81E-04	1.17E-03	3.89E-03	U
AP	ONS-2	469367006	12/26/2018	Be-7	5.90E-02	3.89E-03	2.13E-03	
AP	ONS-2	469367006	12/26/2018	Ce-141	3.06E-04	1.86E-04	4.09E-04	U
AP	ONS-2	469367006	12/26/2018	Ce-144	-9.15E-05	2.88E-04	9.29E-04	U
AP	ONS-2	469367006	12/26/2018	Co-57	1.09E-04	6.80E-05	1.16E-04	U
AP	ONS-2	469367006	12/26/2018	Co-58	-5.49E-05	8.02E-05	2.32E-04	U
AP	ONS-2	469367006	12/26/2018	Co-60	-1.75E-05	8.68E-05	2.78E-04	U
AP	ONS-2	469367006	12/26/2018	Cr-51	-2.79E-04	1.00E-03	3.38E-03	U
AP	ONS-2	469367006	12/26/2018	Cs-134	9.85E-05	7.32E-05	2.54E-04	U
AP	ONS-2	469367006	12/26/2018	Cs-137	-8.90E-05	7.37E-05	2.04E-04	U
AP	ONS-2	469367006	12/26/2018	Fe-59	1.18E-04	1.83E-04	6.49E-04	U
AP	ONS-2	469367006	12/26/2018	I-131	5.25E-04	7.84E-04	2.73E-03	U
AP	ONS-2	469367006	12/26/2018	K-40	9.83E-04	1.42E-03	2.25E-03	U
AP	ONS-2	469367006	12/26/2018	La-140	7.54E-04	4.96E-04	1.83E-03	U
AP	ONS-2	469367006	12/26/2018	Mn-54	-4.64E-05	6.83E-05	1.98E-04	U
AP	ONS-2	469367006	12/26/2018	Nb-95	-3.50E-05	8.43E-05	2.57E-04	U
AP	ONS-2	469367006	12/26/2018	Ru-103	3.96E-05	8.84E-05	3.02E-04	U
AP	ONS-2	469367006	12/26/2018	Ru-106	6.03E-04	5.76E-04	1.98E-03	U
AP	ONS-2	469367006	12/26/2018	Sb-124	-3.80E-04	2.73E-04	6.16E-04	U
AP	ONS-2	469367006	12/26/2018	Sb-125	-1.57E-04	1.44E-04	4.29E-04	U
AP	ONS-2	469367006	12/26/2018	Se-75	-6.81E-05	8.98E-05	2.65E-04	U
AP	ONS-2	469367006	12/26/2018	Th-228	5.67E-04	2.83E-04	4.01E-04	UI
AP	ONS-2	469367006	12/26/2018	Zn-65	-2.75E-04	2.25E-04	5.24E-04	U
AP	ONS-2	469367006	12/26/2018	Zr-95	-7.93E-05	1.39E-04	4.13E-04	U
AP	ONS-3	469367007	12/26/2018	Ac-228	1.26E-04	4.20E-04	1.32E-03	U
AP	ONS-3	469367007	12/26/2018	Ag-108m	-9.85E-05	6.81E-05	1.81E-04	U
AP	ONS-3	469367007	12/26/2018	Ag-110m	6.48E-05	1.33E-04	4.59E-04	U
AP	ONS-3	469367007	12/26/2018	Ba-140	-1.56E-03	1.49E-03	4.13E-03	U
AP	ONS-3	469367007	12/26/2018	Be-7	5.04E-02	3.96E-03	2.98E-03	
AP	ONS-3	469367007	12/26/2018	Ce-141	7.02E-05	1.61E-04	5.15E-04	U
AP	ONS-3	469367007	12/26/2018	Ce-144	-1.43E-04	4.05E-04	1.25E-03	U
AP	ONS-3	469367007	12/26/2018	Co-57	8.35E-05	5.08E-05	1.63E-04	U
AP	ONS-3	469367007	12/26/2018	Co-58	1.18E-04	1.10E-04	3.92E-04	U
AP	ONS-3	469367007	12/26/2018	Co-60	1.09E-04	1.02E-04	3.65E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	469367007	12/26/2018	Cr-51	1.67E-03	1.31E-03	4.47E-03	U
AP	ONS-3	469367007	12/26/2018	Cs-134	-4.20E-05	8.02E-05	2.50E-04	U
AP	ONS-3	469367007	12/26/2018	Cs-137	1.57E-04	8.76E-05	3.12E-04	U
AP	ONS-3	469367007	12/26/2018	Fe-59	-1.73E-04	2.91E-04	8.73E-04	U
AP	ONS-3	469367007	12/26/2018	I-131	-1.11E-03	1.00E-03	2.90E-03	U
AP	ONS-3	469367007	12/26/2018	K-40	-1.27E-04	1.24E-03	4.28E-03	U
AP	ONS-3	469367007	12/26/2018	La-140	-2.17E-04	3.75E-04	1.06E-03	U
AP	ONS-3	469367007	12/26/2018	Mn-54	4.31E-04	1.14E-04	2.41E-04	UI
AP	ONS-3	469367007	12/26/2018	Nb-95	-8.34E-06	1.05E-04	3.50E-04	U
AP	ONS-3	469367007	12/26/2018	Ru-103	-1.88E-04	1.34E-04	3.56E-04	U
AP	ONS-3	469367007	12/26/2018	Ru-106	7.76E-05	8.08E-04	2.58E-03	U
AP	ONS-3	469367007	12/26/2018	Sb-124	-9.01E-05	1.66E-04	4.53E-04	U
AP	ONS-3	469367007	12/26/2018	Sb-125	2.60E-04	2.09E-04	7.13E-04	U
AP	ONS-3	469367007	12/26/2018	Se-75	-1.56E-04	1.11E-04	3.23E-04	U
AP	ONS-3	469367007	12/26/2018	Th-228	-4.13E-05	1.59E-04	5.17E-04	U
AP	ONS-3	469367007	12/26/2018	Zn-65	1.14E-04	2.62E-04	7.91E-04	U
AP	ONS-3	469367007	12/26/2018	Zr-95	4.16E-05	1.82E-04	6.24E-04	U
AP	ONS-4	469367008	12/26/2018	Ac-228	-7.94E-06	3.01E-04	8.75E-04	U
AP	ONS-4	469367008	12/26/2018	Ag-108m	5.31E-05	5.32E-05	1.86E-04	U
AP	ONS-4	469367008	12/26/2018	Ag-110m	1.98E-04	1.11E-04	3.88E-04	U
AP	ONS-4	469367008	12/26/2018	Ba-140	-8.09E-04	9.86E-04	2.91E-03	U
AP	ONS-4	469367008	12/26/2018	Be-7	4.95E-02	3.72E-03	2.22E-03	
AP	ONS-4	469367008	12/26/2018	Ce-141	-1.37E-04	1.33E-04	3.90E-04	U
AP	ONS-4	469367008	12/26/2018	Ce-144	4.94E-05	3.07E-04	1.01E-03	U
AP	ONS-4	469367008	12/26/2018	Co-57	-3.39E-05	3.91E-05	1.18E-04	U
AP	ONS-4	469367008	12/26/2018	Co-58	-2.18E-06	9.54E-05	3.05E-04	U
AP	ONS-4	469367008	12/26/2018	Co-60	-6.30E-05	1.07E-04	3.15E-04	U
AP	ONS-4	469367008	12/26/2018	Cr-51	1.97E-04	1.01E-03	3.49E-03	U
AP	ONS-4	469367008	12/26/2018	Cs-134	-8.63E-05	8.69E-05	2.41E-04	U
AP	ONS-4	469367008	12/26/2018	Cs-137	-2.53E-06	6.67E-05	2.16E-04	U
AP	ONS-4	469367008	12/26/2018	Fe-59	2.52E-04	2.13E-04	7.79E-04	U
AP	ONS-4	469367008	12/26/2018	I-131	1.56E-04	8.79E-04	2.88E-03	U
AP	ONS-4	469367008	12/26/2018	K-40	3.97E-03	9.56E-04	1.31E-03	UI
AP	ONS-4	469367008	12/26/2018	La-140	-6.44E-04	4.93E-04	1.15E-03	U
AP	ONS-4	469367008	12/26/2018	Mn-54	-8.42E-05	8.21E-05	2.25E-04	U
AP	ONS-4	469367008	12/26/2018	Nb-95	4.70E-05	9.30E-05	3.13E-04	U
AP	ONS-4	469367008	12/26/2018	Ru-103	-9.83E-05	1.04E-04	3.11E-04	U
AP	ONS-4	469367008	12/26/2018	Ru-106	6.12E-04	6.56E-04	2.26E-03	U
AP	ONS-4	469367008	12/26/2018	Sb-124	7.57E-05	1.83E-04	6.44E-04	U
AP	ONS-4	469367008	12/26/2018	Sb-125	2.06E-05	1.50E-04	5.10E-04	U
AP	ONS-4	469367008	12/26/2018	Se-75	1.42E-04	9.98E-05	3.21E-04	U
AP	ONS-4	469367008	12/26/2018	Th-228	3.18E-04	2.25E-04	3.94E-04	U
AP	ONS-4	469367008	12/26/2018	Zn-65	-1.47E-04	1.77E-04	5.30E-04	U
AP	ONS-4	469367008	12/26/2018	Zr-95	2.90E-05	1.62E-04	5.31E-04	U
AP	ONS-5	469367009	12/26/2018	Ac-228	-4.20E-04	3.88E-04	1.19E-03	U
AP	ONS-5	469367009	12/26/2018	Ag-108m	2.52E-05	5.91E-05	1.98E-04	U
AP	ONS-5	469367009	12/26/2018	Ag-110m	-8.30E-05	1.10E-04	3.28E-04	U
AP	ONS-5	469367009	12/26/2018	Ba-140	-2.26E-03	1.35E-03	3.14E-03	U
AP	ONS-5	469367009	12/26/2018	Be-7	5.95E-02	4.13E-03	2.07E-03	
AP	ONS-5	469367009	12/26/2018	Ce-141	3.25E-04	3.83E-04	5.16E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	469367009	12/26/2018	Ce-144	-4.30E-04	3.50E-04	9.62E-04	U
AP	ONS-5	469367009	12/26/2018	Co-57	-1.73E-05	4.59E-05	1.41E-04	U
AP	ONS-5	469367009	12/26/2018	Co-58	8.28E-05	1.07E-04	3.44E-04	U
AP	ONS-5	469367009	12/26/2018	Co-60	6.17E-05	8.81E-05	3.09E-04	U
AP	ONS-5	469367009	12/26/2018	Cr-51	-4.10E-04	1.22E-03	3.95E-03	U
AP	ONS-5	469367009	12/26/2018	Cs-134	8.28E-05	7.88E-05	2.71E-04	U
AP	ONS-5	469367009	12/26/2018	Cs-137	7.89E-05	7.23E-05	2.60E-04	U
AP	ONS-5	469367009	12/26/2018	Fe-59	-3.22E-04	2.49E-04	6.20E-04	U
AP	ONS-5	469367009	12/26/2018	I-131	-1.27E-04	1.02E-03	3.31E-03	U
AP	ONS-5	469367009	12/26/2018	K-40	1.41E-03	1.39E-03	4.90E-03	U
AP	ONS-5	469367009	12/26/2018	La-140	4.12E-05	5.17E-04	1.74E-03	U
AP	ONS-5	469367009	12/26/2018	Mn-54	3.53E-05	7.56E-05	2.62E-04	U
AP	ONS-5	469367009	12/26/2018	Nb-95	-1.23E-04	1.12E-04	3.24E-04	U
AP	ONS-5	469367009	12/26/2018	Ru-103	-3.06E-05	1.30E-04	3.90E-04	U
AP	ONS-5	469367009	12/26/2018	Ru-106	1.25E-03	7.44E-04	2.64E-03	U
AP	ONS-5	469367009	12/26/2018	Sb-124	4.55E-04	3.15E-04	1.19E-03	U
AP	ONS-5	469367009	12/26/2018	Sb-125	4.79E-04	3.49E-04	6.21E-04	U
AP	ONS-5	469367009	12/26/2018	Se-75	-1.17E-04	1.02E-04	3.07E-04	U
AP	ONS-5	469367009	12/26/2018	Th-228	8.03E-05	1.46E-04	4.94E-04	U
AP	ONS-5	469367009	12/26/2018	Zn-65	-1.89E-04	2.03E-04	7.13E-04	U
AP	ONS-5	469367009	12/26/2018	Zr-95	8.99E-06	1.74E-04	5.85E-04	U
AP	ONS-6	469367010	12/26/2018	Ac-228	-2.10E-04	4.89E-04	1.49E-03	U
AP	ONS-6	469367010	12/26/2018	Ag-108m	-6.42E-05	6.61E-05	1.99E-04	U
AP	ONS-6	469367010	12/26/2018	Ag-110m	3.95E-05	1.41E-04	4.84E-04	U
AP	ONS-6	469367010	12/26/2018	Ba-140	6.79E-04	1.32E-03	4.48E-03	U
AP	ONS-6	469367010	12/26/2018	Be-7	5.84E-02	4.18E-03	2.36E-03	
AP	ONS-6	469367010	12/26/2018	Ce-141	-1.11E-04	1.42E-04	3.99E-04	U
AP	ONS-6	469367010	12/26/2018	Ce-144	7.08E-05	2.50E-04	8.44E-04	U
AP	ONS-6	469367010	12/26/2018	Co-57	1.16E-05	4.06E-05	1.37E-04	U
AP	ONS-6	469367010	12/26/2018	Co-58	-1.66E-04	1.04E-04	2.45E-04	U
AP	ONS-6	469367010	12/26/2018	Co-60	-1.48E-04	1.13E-04	2.71E-04	U
AP	ONS-6	469367010	12/26/2018	Cr-51	2.81E-03	1.30E-03	4.34E-03	U
AP	ONS-6	469367010	12/26/2018	Cs-134	6.56E-06	9.57E-05	3.26E-04	U
AP	ONS-6	469367010	12/26/2018	Cs-137	8.29E-05	8.07E-05	2.79E-04	U
AP	ONS-6	469367010	12/26/2018	Fe-59	-2.54E-06	1.84E-04	6.02E-04	U
AP	ONS-6	469367010	12/26/2018	I-131	-1.82E-04	1.06E-03	3.28E-03	U
AP	ONS-6	469367010	12/26/2018	K-40	5.41E-04	1.83E-03	5.90E-03	U
AP	ONS-6	469367010	12/26/2018	La-140	-6.15E-04	5.81E-04	1.54E-03	U
AP	ONS-6	469367010	12/26/2018	Mn-54	-2.51E-05	8.81E-05	2.89E-04	U
AP	ONS-6	469367010	12/26/2018	Nb-95	-3.37E-04	1.47E-04	2.48E-04	U
AP	ONS-6	469367010	12/26/2018	Ru-103	-3.74E-05	1.16E-04	3.71E-04	U
AP	ONS-6	469367010	12/26/2018	Ru-106	2.50E-04	7.28E-04	2.42E-03	U
AP	ONS-6	469367010	12/26/2018	Sb-124	3.01E-04	2.68E-04	1.03E-03	U
AP	ONS-6	469367010	12/26/2018	Sb-125	3.89E-05	1.68E-04	5.71E-04	U
AP	ONS-6	469367010	12/26/2018	Se-75	8.54E-05	9.24E-05	3.03E-04	U
AP	ONS-6	469367010	12/26/2018	Th-228	1.19E-04	2.46E-04	4.52E-04	U
AP	ONS-6	469367010	12/26/2018	Zn-65	-8.57E-05	2.02E-04	6.22E-04	U
AP	ONS-6	469367010	12/26/2018	Zr-95	-1.29E-04	1.61E-04	4.38E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	440977012	1/3/2018	I-131	-3.38E-03	3.38E-03	7.80E-03	U
CF	SBN	440977013	1/3/2018	I-131	-1.02E-03	4.50E-03	1.43E-02	U
CF	DOW	440977014	1/3/2018	I-131	2.42E-03	4.91E-03	1.80E-02	U
CF	COL	440977015	1/3/2018	I-131	-1.18E-03	6.47E-03	2.15E-02	U
CF	ONS-1	440977016	1/3/2018	I-131	6.41E-03	4.84E-03	1.94E-02	U
CF	ONS-2	440977017	1/3/2018	I-131	7.06E-04	3.10E-03	1.09E-02	U
CF	ONS-3	440977018	1/3/2018	I-131	3.44E-03	5.08E-03	1.89E-02	U
CF	ONS-4	440977019	1/3/2018	I-131	4.17E-04	3.46E-03	1.23E-02	U
CF	ONS-5	440977020	1/3/2018	I-131	-8.41E-03	5.08E-03	7.86E-03	U
CF	ONS-6	440977021	1/3/2018	I-131	-2.14E-03	4.56E-03	1.40E-02	U
CF	NBF	441542012	1/10/2018	I-131	4.72E-03	4.68E-03	1.82E-02	U
CF	SBN	441542013	1/10/2018	I-131	5.64E-03	4.82E-03	1.84E-02	U
CF	DOW	441542014	1/10/2018	I-131	-7.23E-04	5.43E-03	1.81E-02	U
CF	COL	441542015	1/10/2018	I-131	1.90E-03	2.88E-03	1.06E-02	U
CF	ONS-1	441542016	1/10/2018	I-131	-3.11E-03	3.52E-03	8.78E-03	U
CF	ONS-2	441542017	1/10/2018	I-131	5.62E-03	5.12E-03	1.92E-02	U
CF	ONS-3	441542018	1/10/2018	I-131	2.44E-03	5.83E-03	2.07E-02	U
CF	ONS-4	441542019	1/10/2018	I-131	-2.84E-04	5.94E-03	1.92E-02	U
CF	ONS-5	441542020	1/10/2018	I-131	8.44E-03	5.71E-03	2.23E-02	U
CF	ONS-6	441542021	1/10/2018	I-131	-1.12E-03	4.20E-03	1.34E-02	U
CF	NBF	441943012	1/17/2018	I-131	-1.87E-03	2.86E-03	8.38E-03	U
CF	SBN	441943013	1/17/2018	I-131	6.37E-03	4.55E-03	1.79E-02	U
CF	DOW	441943014	1/17/2018	I-131	-8.22E-03	5.75E-03	8.91E-03	U
CF	COL	441943015	1/17/2018	I-131	4.06E-05	4.80E-03	1.59E-02	U
CF	ONS-1	441943016	1/17/2018	I-131	-6.00E-03	4.07E-03	8.55E-03	U
CF	ONS-2	441943017	1/17/2018	I-131	-1.11E-02	5.31E-03	7.78E-03	U
CF	ONS-3	441943018	1/17/2018	I-131	2.34E-03	5.50E-03	1.93E-02	U
CF	ONS-4	441943019	1/17/2018	I-131	-4.17E-03	6.71E-03	1.80E-02	U
CF	ONS-5	441943020	1/17/2018	I-131	9.70E-04	2.74E-03	1.02E-02	U
CF	ONS-6	441943021	1/17/2018	I-131	7.17E-03	4.90E-03	1.91E-02	U
CF	NBF	442454012	1/24/2018	I-131	-4.79E-03	4.61E-03	1.16E-02	U
CF	SBN	442454013	1/24/2018	I-131	8.40E-04	4.68E-03	1.60E-02	U
CF	DOW	442454014	1/24/2018	I-131	4.61E-03	5.85E-03	2.19E-02	U
CF	COL	442454015	1/24/2018	I-131	-1.43E-03	3.01E-03	8.71E-03	U
CF	ONS-1	442454016	1/24/2018	I-131	7.29E-04	6.82E-03	2.32E-02	U
CF	ONS-2	442454017	1/24/2018	I-131	2.67E-03	4.24E-03	1.56E-02	U
CF	ONS-3	442454018	1/24/2018	I-131	4.96E-03	6.87E-03	2.45E-02	U
CF	ONS-4	442454019	1/24/2018	I-131	1.78E-03	3.00E-03	1.15E-02	U
CF	ONS-5	442454020	1/24/2018	I-131	2.01E-03	5.41E-03	1.90E-02	U
CF	ONS-6	442454021	1/24/2018	I-131	2.57E-03	7.64E-03	2.68E-02	U
CF	NBF	442971012	1/31/2018	I-131	2.39E-03	3.43E-03	1.23E-02	U
CF	SBN	442971013	1/31/2018	I-131	3.09E-03	2.83E-03	1.09E-02	U
CF	DOW	442971014	1/31/2018	I-131	1.82E-03	3.10E-03	1.13E-02	U
CF	COL	442971015	1/31/2018	I-131	-2.06E-03	3.05E-03	9.31E-03	U
CF	ONS-1	442971016	1/31/2018	I-131	5.28E-03	5.13E-03	1.90E-02	U
CF	ONS-2	442971017	1/31/2018	I-131	-4.69E-03	3.49E-03	8.31E-03	U
CF	ONS-3	442971018	1/31/2018	I-131	6.33E-03	3.62E-03	1.27E-02	U
CF	ONS-4	442971019	1/31/2018	I-131	1.26E-03	3.59E-03	1.26E-02	U
CF	ONS-5	442971020	1/31/2018	I-131	-7.43E-03	3.58E-03	6.52E-03	U
CF	ONS-6	442971021	1/31/2018	I-131	1.34E-03	3.62E-03	1.27E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	443481012	2/7/2018	I-131	3.20E-04	4.25E-03	1.47E-02	U
CF	SBN	443481013	2/7/2018	I-131	7.10E-04	1.14E-03	5.25E-03	U
CF	DOW	443481014	2/7/2018	I-131	9.25E-05	3.93E-03	1.32E-02	U
CF	COL	443481015	2/7/2018	I-131	-7.60E-03	4.65E-03	1.01E-02	U
CF	ONS-1	443481016	2/7/2018	I-131	-1.13E-02	7.69E-03	1.62E-02	U
CF	ONS-2	443481017	2/7/2018	I-131	-1.71E-03	4.27E-03	1.32E-02	U
CF	ONS-3	443481018	2/7/2018	I-131	-1.80E-02	8.55E-03	1.25E-02	U
CF	ONS-4	443481019	2/7/2018	I-131	5.57E-03	4.28E-03	1.69E-02	U
CF	ONS-5	443481020	2/7/2018	I-131	5.76E-04	4.18E-03	1.42E-02	U
CF	ONS-6	443481021	2/7/2018	I-131	4.03E-03	4.03E-03	1.61E-02	U
CF	NBF	443970012	2/14/2018	I-131	-3.58E-05	2.71E-03	8.80E-03	U
CF	SBN	443970013	2/14/2018	I-131	4.08E-03	2.98E-03	1.14E-02	U
CF	DOW	443970014	2/14/2018	I-131	7.92E-04	3.08E-03	1.06E-02	U
CF	COL	443970015	2/14/2018	I-131	-1.32E-03	4.22E-03	1.31E-02	U
CF	ONS-1	443970016	2/14/2018	I-131	-5.48E-03	7.16E-03	1.82E-02	U
CF	ONS-2	443970017	2/14/2018	I-131	-6.50E-04	3.33E-03	9.33E-03	U
CF	ONS-3	443970018	2/14/2018	I-131	-3.64E-03	4.13E-03	1.07E-02	U
CF	ONS-4	443970019	2/14/2018	I-131	6.90E-03	3.81E-03	1.61E-02	U
CF	ONS-5	443970020	2/14/2018	I-131	1.59E-04	3.32E-03	1.13E-02	U
CF	ONS-6	443970021	2/14/2018	I-131	2.30E-03	7.37E-03	2.54E-02	U
CF	NBF	444563012	2/21/2018	I-131	9.11E-04	2.28E-03	7.64E-03	U
CF	SBN	444563013	2/21/2018	I-131	-8.94E-04	2.24E-03	6.93E-03	U
CF	DOW	444563014	2/21/2018	I-131	9.36E-05	3.27E-03	1.11E-02	U
CF	COL	444563015	2/21/2018	I-131	5.35E-03	5.46E-03	1.14E-02	U
CF	ONS-1	444563016	2/21/2018	I-131	-3.53E-03	2.85E-03	7.44E-03	U
CF	ONS-2	444563017	2/21/2018	I-131	-3.71E-03	2.94E-03	7.61E-03	U
CF	ONS-3	444563018	2/21/2018	I-131	5.08E-03	2.75E-03	9.33E-03	U
CF	ONS-4	444563019	2/21/2018	I-131	1.20E-03	3.22E-03	1.09E-02	U
CF	ONS-5	444563020	2/21/2018	I-131	1.12E-02	5.05E-03	7.57E-03	UI
CF	ONS-6	444563021	2/21/2018	I-131	6.13E-03	3.60E-03	1.30E-02	U
CF	NBF	445028012	2/28/2018	I-131	-6.04E-03	2.77E-03	2.96E-03	U
CF	SBN	445028013	2/28/2018	I-131	1.60E-03	3.84E-03	1.35E-02	U
CF	DOW	445028014	2/28/2018	I-131	5.94E-04	3.08E-03	1.03E-02	U
CF	COL	445028015	2/28/2018	I-131	-7.98E-04	2.40E-03	7.81E-03	U
CF	ONS-1	445028016	2/28/2018	I-131	5.91E-03	3.74E-03	1.34E-02	U
CF	ONS-2	445028017	2/28/2018	I-131	1.48E-03	3.12E-03	1.11E-02	U
CF	ONS-3	445028018	2/28/2018	I-131	-8.32E-03	4.60E-03	9.26E-03	U
CF	ONS-4	445028019	2/28/2018	I-131	3.45E-03	3.98E-03	1.50E-02	U
CF	ONS-5	445028020	2/28/2018	I-131	7.41E-04	3.08E-03	1.03E-02	U
CF	ONS-6	445028021	2/28/2018	I-131	-1.30E-03	2.77E-03	8.62E-03	U
CF	NBF	445594012	3/7/2018	I-131	2.43E-03	2.08E-03	7.18E-03	U
CF	SBN	445594013	3/7/2018	I-131	5.41E-04	2.36E-03	8.17E-03	U
CF	DOW	445594014	3/7/2018	I-131	-4.21E-03	2.37E-03	5.88E-03	U
CF	COL	445594015	3/7/2018	I-131	-4.32E-04	2.05E-03	6.43E-03	U
CF	ONS-1	445594016	3/7/2018	I-131	-1.70E-03	2.08E-03	7.44E-03	U
CF	ONS-2	445594017	3/7/2018	I-131	3.74E-03	3.58E-03	1.28E-02	U
CF	ONS-3	445594018	3/7/2018	I-131	-1.50E-03	1.54E-03	4.48E-03	U
CF	ONS-4	445594019	3/7/2018	I-131	-2.65E-04	2.36E-03	7.85E-03	U
CF	ONS-5	445594020	3/7/2018	I-131	6.59E-04	1.87E-03	6.51E-03	U
CF	ONS-6	445594021	3/7/2018	I-131	4.94E-04	1.93E-03	6.61E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	446076012	3/14/2018	I-131	-1.71E-03	4.64E-03	1.41E-02	U
CF	SBN	446076013	3/14/2018	I-131	1.97E-03	3.40E-03	1.28E-02	U
CF	DOW	446076014	3/14/2018	I-131	-4.36E-03	4.04E-03	1.01E-02	U
CF	COL	446076015	3/14/2018	I-131	-1.50E-03	4.63E-03	1.31E-02	U
CF	ONS-1	446076016	3/14/2018	I-131	3.10E-04	3.03E-03	1.05E-02	U
CF	ONS-2	446076017	3/14/2018	I-131	4.14E-03	4.90E-03	1.80E-02	U
CF	ONS-3	446076018	3/14/2018	I-131	-1.95E-03	5.11E-03	1.55E-02	U
CF	ONS-4	446076019	3/14/2018	I-131	-2.46E-03	4.33E-03	1.28E-02	U
CF	ONS-5	446076020	3/14/2018	I-131	-8.77E-04	4.97E-03	1.48E-02	U
CF	ONS-6	446076021	3/14/2018	I-131	4.61E-04	3.68E-03	1.27E-02	U
CF	NBF	446541012	3/21/2018	I-131	4.37E-03	2.55E-03	8.97E-03	U
CF	SBN	446541013	3/21/2018	I-131	3.14E-04	1.84E-03	6.28E-03	U
CF	DOW	446541014	3/21/2018	I-131	7.82E-04	1.83E-03	6.50E-03	U
CF	COL	446541015	3/21/2018	I-131	-2.10E-03	2.23E-03	6.71E-03	U
CF	ONS-1	446541016	3/21/2018	I-131	1.27E-03	1.73E-03	6.21E-03	U
CF	ONS-2	446541017	3/21/2018	I-131	1.32E-03	2.08E-03	7.22E-03	U
CF	ONS-3	446541018	3/21/2018	I-131	8.51E-04	2.06E-03	7.06E-03	U
CF	ONS-4	446541019	3/21/2018	I-131	-2.82E-03	2.82E-03	8.46E-03	U
CF	ONS-5	446541020	3/21/2018	I-131	6.11E-04	1.90E-03	6.66E-03	U
CF	ONS-6	446541021	3/21/2018	I-131	1.56E-03	2.20E-03	7.77E-03	U
CF	NBF	447023012	3/28/2018	I-131	7.97E-04	2.93E-03	9.94E-03	U
CF	SBN	447023013	3/28/2018	I-131	1.93E-03	2.36E-03	8.49E-03	U
CF	DOW	447023014	3/28/2018	I-131	-1.96E-04	3.62E-03	1.13E-02	U
CF	COL	447023015	3/28/2018	I-131	-4.70E-03	5.01E-03	1.47E-02	U
CF	ONS-1	447023016	3/28/2018	I-131	-1.72E-03	3.28E-03	8.95E-03	U
CF	ONS-2	447023017	3/28/2018	I-131	6.88E-04	2.44E-03	8.79E-03	U
CF	ONS-3	447023018	3/28/2018	I-131	-1.74E-03	2.11E-03	6.02E-03	U
CF	ONS-4	447023019	3/28/2018	I-131	1.18E-02	5.17E-03	9.33E-03	UI
CF	ONS-5	447023020	3/28/2018	I-131	1.47E-03	2.81E-03	9.10E-03	U
CF	ONS-6	447023021	3/28/2018	I-131	-1.97E-03	3.25E-03	9.82E-03	U
CF	NBF	447489012	4/4/2018	I-131	7.34E-04	2.96E-03	1.02E-02	U
CF	SBN	447489013	4/4/2018	I-131	-6.81E-03	3.55E-03	4.31E-03	U
CF	DOW	447489014	4/4/2018	I-131	-7.29E-04	4.48E-03	1.51E-02	U
CF	COL	447489015	4/4/2018	I-131	-8.42E-04	2.20E-03	6.67E-03	U
CF	ONS-1	447489016	4/4/2018	I-131	2.05E-03	3.30E-03	1.18E-02	U
CF	ONS-2	447489017	4/4/2018	I-131	-3.15E-04	2.26E-03	7.53E-03	U
CF	ONS-3	447489018	4/4/2018	I-131	5.75E-03	3.67E-03	1.34E-02	U
CF	ONS-4	447489019	4/4/2018	I-131	-3.95E-03	2.77E-03	6.56E-03	U
CF	ONS-5	447489020	4/4/2018	I-131	-9.41E-04	2.92E-03	9.04E-03	U
CF	ONS-6	447489021	4/4/2018	I-131	-3.21E-03	2.23E-03	5.07E-03	U
CF	NBF	448019012	4/11/2018	I-131	2.82E-04	2.72E-03	9.03E-03	U
CF	SBN	448019013	4/11/2018	I-131	2.22E-03	3.03E-03	1.11E-02	U
CF	DOW	448019014	4/11/2018	I-131	8.54E-03	5.15E-03	1.04E-02	U
CF	COL	448019015	4/11/2018	I-131	-1.95E-03	2.84E-03	7.82E-03	U
CF	ONS-1	448019016	4/11/2018	I-131	6.74E-04	2.25E-03	7.98E-03	U
CF	ONS-2	448019017	4/11/2018	I-131	3.96E-03	3.64E-03	1.31E-02	U
CF	ONS-3	448019018	4/11/2018	I-131	1.03E-03	1.94E-03	7.12E-03	U
CF	ONS-4	448019019	4/11/2018	I-131	1.20E-03	3.91E-03	1.36E-02	U
CF	ONS-5	448019020	4/11/2018	I-131	3.68E-03	3.58E-03	1.25E-02	U
CF	ONS-6	448019021	4/11/2018	I-131	2.33E-03	3.45E-03	1.25E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	448532012	4/18/2018	I-131	-1.76E-03	2.45E-03	6.68E-03	U
CF	SBN	448532013	4/18/2018	I-131	-4.94E-03	4.55E-03	1.35E-02	U
CF	DOW	448532014	4/18/2018	I-131	1.24E-03	2.27E-03	7.99E-03	U
CF	COL	448532015	4/18/2018	I-131	1.38E-03	1.95E-03	6.97E-03	U
CF	ONS-1	448532016	4/18/2018	I-131	-3.57E-03	2.24E-03	5.63E-03	U
CF	ONS-2	448532017	4/18/2018	I-131	3.25E-03	1.85E-03	6.78E-03	U
CF	ONS-3	448532018	4/18/2018	I-131	-1.29E-03	1.80E-03	5.60E-03	U
CF	ONS-4	448532019	4/18/2018	I-131	1.77E-03	2.09E-03	7.54E-03	U
CF	ONS-5	448532020	4/18/2018	I-131	-8.84E-04	2.35E-03	7.68E-03	U
CF	ONS-6	448532021	4/18/2018	I-131	1.59E-04	3.62E-03	1.23E-02	U
CF	NBF	449005012	4/25/2018	I-131	-8.02E-04	2.09E-03	6.54E-03	U
CF	SBN	449005013	4/25/2018	I-131	1.02E-03	3.17E-03	1.13E-02	U
CF	DOW	449005014	4/25/2018	I-131	1.15E-02	7.84E-03	3.08E-02	U
CF	COL	449005015	4/25/2018	I-131	-1.76E-03	4.13E-03	1.19E-02	U
CF	ONS-1	449005016	4/25/2018	I-131	6.30E-03	3.92E-03	1.69E-02	U
CF	ONS-2	449005017	4/25/2018	I-131	3.67E-04	2.93E-03	1.02E-02	U
CF	ONS-3	449005018	4/25/2018	I-131	8.27E-03	5.99E-03	2.28E-02	U
CF	ONS-4	449005019	4/25/2018	I-131	-1.34E-04	4.16E-03	1.48E-02	U
CF	ONS-5	449005020	4/25/2018	I-131	-2.51E-03	3.70E-03	1.06E-02	U
CF	ONS-6	449005021	4/25/2018	I-131	8.37E-04	3.89E-03	1.37E-02	U
CF	NBF	449506012	5/2/2018	I-131	-2.45E-03	2.45E-03	4.69E-03	U
CF	SBN	449506013	5/2/2018	I-131	-3.53E-03	4.20E-03	1.13E-02	U
CF	DOW	449506014	5/2/2018	I-131	-1.88E-04	4.94E-03	1.66E-02	U
CF	COL	449506015	5/2/2018	I-131	-3.13E-03	5.45E-03	1.66E-02	U
CF	ONS-1	449506016	5/2/2018	I-131	-4.04E-03	4.25E-03	1.12E-02	U
CF	ONS-2	449506017	5/2/2018	I-131	-4.22E-03	5.27E-03	1.52E-02	U
CF	ONS-3	449506018	5/2/2018	I-131	2.74E-03	4.30E-03	1.59E-02	U
CF	ONS-4	449506019	5/2/2018	I-131	2.22E-03	7.00E-03	2.50E-02	U
CF	ONS-5	449506020	5/2/2018	I-131	2.18E-03	3.94E-03	1.47E-02	U
CF	ONS-6	449506021	5/2/2018	I-131	-1.81E-03	3.66E-03	1.11E-02	U
CF	NBF	449998012	5/9/2018	I-131	1.92E-03	3.10E-03	1.19E-02	U
CF	SBN	449998013	5/9/2018	I-131	-1.98E-04	4.91E-03	1.65E-02	U
CF	DOW	449998014	5/9/2018	I-131	1.90E-03	4.40E-03	1.56E-02	U
CF	COL	449998015	5/9/2018	I-131	-1.22E-03	4.99E-03	1.63E-02	U
CF	ONS-1	449998016	5/9/2018	I-131	1.36E-03	8.48E-03	2.95E-02	U
CF	ONS-2	449998017	5/9/2018	I-131	-2.72E-03	3.61E-03	9.65E-03	U
CF	ONS-3	449998018	5/9/2018	I-131	1.52E-03	4.16E-03	1.48E-02	U
CF	ONS-4	449998019	5/9/2018	I-131	2.60E-03	4.89E-03	1.75E-02	U
CF	ONS-5	449998020	5/9/2018	I-131	3.02E-04	4.78E-03	1.62E-02	U
CF	ONS-6	449998021	5/9/2018	I-131	-6.83E-03	4.24E-03	8.00E-03	U
CF	NBF	450483012	5/16/2018	I-131	4.27E-03	4.85E-03	1.81E-02	U
CF	SBN	450483013	5/16/2018	I-131	-3.51E-03	3.68E-03	9.83E-03	U
CF	DOW	450483014	5/16/2018	I-131	-1.28E-03	4.03E-03	1.27E-02	U
CF	COL	450483015	5/16/2018	I-131	7.58E-04	3.56E-03	1.23E-02	U
CF	ONS-1	450483016	5/16/2018	I-131	-6.28E-03	4.33E-03	8.56E-03	U
CF	ONS-2	450483017	5/16/2018	I-131	-1.52E-03	2.08E-03	5.76E-03	U
CF	ONS-3	450483018	5/16/2018	I-131	-2.19E-03	3.98E-03	1.20E-02	U
CF	ONS-4	450483019	5/16/2018	I-131	6.96E-03	4.22E-03	1.69E-02	U
CF	ONS-5	450483020	5/16/2018	I-131	-3.63E-03	3.66E-03	8.21E-03	U
CF	ONS-6	450483021	5/16/2018	I-131	1.50E-03	3.80E-03	1.39E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	451271012	5/23/2018	I-131	4.93E-03	4.16E-03	1.53E-02	U
CF	SBN	451271013	5/23/2018	I-131	1.12E-03	4.69E-03	1.56E-02	U
CF	DOW	451271014	5/23/2018	I-131	6.05E-03	3.70E-03	1.41E-02	U
CF	COL	451271015	5/23/2018	I-131	2.46E-03	4.12E-03	1.41E-02	U
CF	ONS-1	451271016	5/23/2018	I-131	1.68E-03	3.50E-03	1.22E-02	U
CF	ONS-2	451271017	5/23/2018	I-131	6.62E-03	7.43E-03	2.71E-02	U
CF	ONS-3	451271018	5/23/2018	I-131	-2.53E-03	3.60E-03	1.01E-02	U
CF	ONS-4	451271019	5/23/2018	I-131	-4.97E-03	4.49E-03	1.17E-02	U
CF	ONS-5	451271020	5/23/2018	I-131	-2.77E-03	3.33E-03	9.68E-03	U
CF	ONS-6	451271021	5/23/2018	I-131	6.20E-03	5.13E-03	1.83E-02	U
CF	NBF	451597012	5/30/2018	I-131	6.72E-03	6.89E-03	2.55E-02	U
CF	SBN	451597013	5/30/2018	I-131	1.83E-03	2.77E-03	1.08E-02	U
CF	DOW	451597014	5/30/2018	I-131	1.59E-04	3.06E-03	1.05E-02	U
CF	COL	451597015	5/30/2018	I-131	-2.96E-03	4.50E-03	1.30E-02	U
CF	ONS-1	451597016	5/30/2018	I-131	4.23E-03	3.27E-03	1.45E-02	U
CF	ONS-3	451597018	5/30/2018	I-131	-4.52E-03	4.32E-03	1.10E-02	U
CF	ONS-4	451597019	5/30/2018	I-131	-2.03E-03	3.98E-03	1.46E-02	U
CF	ONS-5	451597020	5/30/2018	I-131	-5.79E-03	6.19E-03	1.68E-02	U
CF	ONS-6	451597021	5/30/2018	I-131	-1.45E-03	3.09E-03	8.99E-03	U
CF	NBF	452147012	6/6/2018	I-131	-1.01E-03	5.70E-03	1.70E-02	U
CF	SBN	452147013	6/6/2018	I-131	-4.82E-03	4.00E-03	9.29E-03	U
CF	DOW	452147014	6/6/2018	I-131	-6.59E-03	5.57E-03	1.43E-02	U
CF	COL	452147015	6/6/2018	I-131	3.76E-03	5.50E-03	2.05E-02	U
CF	ONS-1	452147016	6/6/2018	I-131	2.23E-03	4.84E-03	1.74E-02	U
CF	ONS-2	452147017	6/6/2018	I-131	7.69E-04	4.03E-03	1.41E-02	U
CF	ONS-3	452147018	6/6/2018	I-131	-1.07E-03	4.95E-03	1.60E-02	U
CF	ONS-4	452147019	6/6/2018	I-131	4.84E-03	3.61E-03	1.60E-02	U
CF	ONS-5	452147020	6/6/2018	I-131	3.04E-03	4.89E-03	1.78E-02	U
CF	ONS-6	452147021	6/6/2018	I-131	-3.50E-03	4.35E-03	1.20E-02	U
CF	NBF	452668012	6/13/2018	I-131	8.62E-03	4.64E-03	1.53E-02	U
CF	SBN	452668013	6/13/2018	I-131	4.17E-06	4.01E-03	1.32E-02	U
CF	DOW	452668014	6/13/2018	I-131	-9.33E-05	4.54E-03	1.47E-02	U
CF	COL	452668015	6/13/2018	I-131	-3.46E-03	3.37E-03	9.03E-03	U
CF	ONS-1	452668016	6/13/2018	I-131	6.75E-03	3.63E-03	1.35E-02	U
CF	ONS-2	452668017	6/13/2018	I-131	2.02E-03	3.32E-03	1.21E-02	U
CF	ONS-3	452668018	6/13/2018	I-131	4.02E-03	3.67E-03	1.36E-02	U
CF	ONS-4	452668019	6/13/2018	I-131	7.80E-04	3.47E-03	1.15E-02	U
CF	ONS-5	452668020	6/13/2018	I-131	2.42E-03	3.53E-03	1.29E-02	U
CF	ONS-6	452668021	6/13/2018	I-131	-8.63E-04	2.90E-03	9.13E-03	U
CF	NBF	453154012	6/20/2018	I-131	-8.06E-04	2.68E-03	8.66E-03	U
CF	SBN	453154013	6/20/2018	I-131	-2.32E-03	2.80E-03	8.08E-03	U
CF	DOW	453154014	6/20/2018	I-131	-1.28E-03	1.96E-03	5.03E-03	U
CF	COL	453154015	6/20/2018	I-131	-3.37E-03	2.90E-03	7.92E-03	U
CF	ONS-1	453154016	6/20/2018	I-131	9.70E-04	2.14E-03	7.58E-03	U
CF	ONS-2	453154017	6/20/2018	I-131	-2.33E-03	3.05E-03	8.91E-03	U
CF	ONS-3	453154018	6/20/2018	I-131	-2.97E-03	2.72E-03	6.56E-03	U
CF	ONS-4	453154019	6/20/2018	I-131	6.68E-03	5.10E-03	1.15E-02	U
CF	ONS-5	453154020	6/20/2018	I-131	-9.60E-03	3.88E-03	1.39E-02	U
CF	ONS-6	453154021	6/20/2018	I-131	-5.74E-03	4.65E-03	1.25E-02	U
CF	NBF	453644012	6/27/2018	I-131	3.05E-04	3.55E-03	1.21E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	453644013	6/27/2018	I-131	2.29E-04	3.74E-03	1.16E-02	U
CF	DOW	453644014	6/27/2018	I-131	-4.39E-03	4.99E-03	1.45E-02	U
CF	COL	453644015	6/27/2018	I-131	-1.33E-03	3.56E-03	1.14E-02	U
CF	ONS-1	453644016	6/27/2018	I-131	-2.01E-03	4.07E-03	1.25E-02	U
CF	ONS-2	453644017	6/27/2018	I-131	7.63E-04	3.15E-03	1.08E-02	U
CF	ONS-3	453644018	6/27/2018	I-131	-1.72E-03	2.38E-03	7.07E-03	U
CF	ONS-4	453644019	6/27/2018	I-131	2.05E-03	3.54E-03	1.27E-02	U
CF	ONS-5	453644020	6/27/2018	I-131	-6.32E-03	2.98E-03	4.29E-03	U
CF	ONS-6	453644021	6/27/2018	I-131	2.14E-02	5.79E-03	1.79E-02	UI
CF	NBF	454071012	7/4/2018	I-131	4.16E-04	3.11E-03	9.92E-03	U
CF	SBN	454071013	7/4/2018	I-131	-4.91E-04	2.38E-03	7.76E-03	U
CF	DOW	454071014	7/4/2018	I-131	-5.05E-04	2.32E-03	7.47E-03	U
CF	COL	454071015	7/4/2018	I-131	-2.39E-03	2.40E-03	6.03E-03	U
CF	ONS-1	454071016	7/4/2018	I-131	6.08E-04	2.65E-03	8.16E-03	U
CF	ONS-2	454071017	7/4/2018	I-131	-1.72E-03	2.85E-03	8.69E-03	U
CF	ONS-3	454071018	7/4/2018	I-131	-5.60E-04	2.41E-03	7.59E-03	U
CF	ONS-4	454071019	7/4/2018	I-131	2.24E-03	2.32E-03	8.30E-03	U
CF	ONS-5	454071020	7/4/2018	I-131	3.64E-03	2.73E-03	9.61E-03	U
CF	ONS-6	454071021	7/4/2018	I-131	1.00E-03	3.14E-03	1.05E-02	U
CF	NBF	454598012	7/11/2018	I-131	2.60E-03	2.36E-03	8.42E-03	U
CF	SBN	454598013	7/11/2018	I-131	5.22E-03	2.73E-03	9.43E-03	U
CF	DOW	454598014	7/11/2018	I-131	8.62E-04	1.99E-03	7.04E-03	U
CF	COL	454598015	7/11/2018	I-131	-4.17E-03	2.12E-03	4.77E-03	U
CF	ONS-1	454598016	7/11/2018	I-131	2.37E-03	2.65E-03	9.80E-03	U
CF	ONS-2	454598017	7/11/2018	I-131	-4.13E-04	1.96E-03	6.44E-03	U
CF	ONS-3	454598018	7/11/2018	I-131	9.72E-04	2.10E-03	6.69E-03	U
CF	ONS-4	454598019	7/11/2018	I-131	1.87E-03	2.34E-03	8.05E-03	U
CF	ONS-5	454598020	7/11/2018	I-131	8.40E-04	2.04E-03	7.07E-03	U
CF	ONS-6	454598021	7/11/2018	I-131	7.35E-04	1.89E-03	6.46E-03	U
CF	NBF	455112012	7/18/2018	I-131	-4.41E-03	4.88E-03	1.35E-02	U
CF	SBN	455112013	7/18/2018	I-131	-3.34E-03	8.73E-03	2.80E-02	U
CF	DOW	455112014	7/18/2018	I-131	2.05E-03	3.33E-03	1.28E-02	U
CF	COL	455112015	7/18/2018	I-131	-2.06E-03	3.68E-03	1.09E-02	U
CF	ONS-1	455112016	7/18/2018	I-131	-2.99E-03	5.69E-03	1.74E-02	U
CF	ONS-2	455112017	7/18/2018	I-131	7.42E-03	8.32E-03	3.16E-02	U
CF	ONS-3	455112018	7/18/2018	I-131	6.00E-03	3.51E-03	1.50E-02	U
CF	ONS-4	455112019	7/18/2018	I-131	3.33E-03	4.96E-03	1.82E-02	U
CF	ONS-5	455112020	7/18/2018	I-131	1.06E-03	6.41E-03	2.22E-02	U
CF	ONS-6	455112021	7/18/2018	I-131	-4.75E-03	3.86E-03	8.75E-03	U
CF	NBF	455640012	7/25/2018	I-131	-6.83E-04	3.25E-03	1.06E-02	U
CF	SBN	455640013	7/25/2018	I-131	-3.17E-03	4.32E-03	1.33E-02	U
CF	DOW	455640014	7/25/2018	I-131	3.50E-03	4.62E-03	1.64E-02	U
CF	COL	455640015	7/25/2018	I-131	-3.30E-03	3.02E-03	8.05E-03	U
CF	ONS-1	455640016	7/25/2018	I-131	4.47E-03	6.08E-03	2.22E-02	U
CF	ONS-2	455640017	7/25/2018	I-131	-2.37E-03	3.57E-03	1.09E-02	U
CF	ONS-3	455640018	7/25/2018	I-131	6.65E-03	3.19E-03	7.12E-03	U
CF	ONS-4	455640019	7/25/2018	I-131	0.00E+00	0.00E+00	9.32E-03	U
CF	ONS-5	455640020	7/25/2018	I-131	-8.05E-03	4.61E-03	1.06E-02	U
CF	ONS-6	455640021	7/25/2018	I-131	1.75E-03	3.70E-03	1.31E-02	U
CF	NBF	456480012	8/1/2018	I-131	1.56E-03	3.44E-03	1.24E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	456480013	8/1/2018	I-131	-3.38E-03	3.58E-03	9.19E-03	U
CF	DOW	456480014	8/1/2018	I-131	-5.88E-03	3.84E-03	6.76E-03	U
CF	COL	456480015	8/1/2018	I-131	5.21E-03	2.86E-03	1.21E-02	U
CF	ONS-1	456480016	8/1/2018	I-131	-2.28E-03	4.44E-03	1.40E-02	U
CF	ONS-2	456480017	8/1/2018	I-131	1.26E-02	1.19E-02	2.15E-02	U
CF	ONS-3	456480018	8/1/2018	I-131	7.00E-03	4.78E-03	1.84E-02	U
CF	ONS-4	456480019	8/1/2018	I-131	8.51E-04	3.14E-03	1.13E-02	U
CF	ONS-5	456480020	8/1/2018	I-131	4.58E-03	4.66E-03	1.72E-02	U
CF	ONS-6	456480021	8/1/2018	I-131	4.25E-03	3.57E-03	1.40E-02	U
CF	NBF	457012012	8/8/2018	I-131	-2.39E-03	2.52E-03	5.79E-03	U
CF	SBN	457012013	8/8/2018	I-131	-1.79E-03	2.96E-03	8.83E-03	U
CF	DOW	457012014	8/8/2018	I-131	-5.08E-03	6.31E-03	1.66E-02	U
CF	COL	457012015	8/8/2018	I-131	2.60E-03	5.22E-03	1.89E-02	U
CF	ONS-1	457012016	8/8/2018	I-131	1.76E-03	3.38E-03	1.28E-02	U
CF	ONS-2	457012017	8/8/2018	I-131	6.64E-03	6.16E-03	2.35E-02	U
CF	ONS-3	457012018	8/8/2018	I-131	4.75E-03	6.86E-03	2.49E-02	U
CF	ONS-4	457012019	8/8/2018	I-131	-6.36E-03	3.51E-03	7.22E-03	U
CF	ONS-5	457012020	8/8/2018	I-131	7.68E-03	5.79E-03	2.24E-02	U
CF	ONS-6	457012021	8/8/2018	I-131	-5.92E-03	5.44E-03	1.41E-02	U
CF	NBF	457591012	8/15/2018	I-131	-1.54E-03	2.15E-03	6.22E-03	U
CF	SBN	457591013	8/15/2018	I-131	4.83E-03	4.83E-03	1.79E-02	U
CF	DOW	457591014	8/15/2018	I-131	2.80E-03	4.15E-03	1.47E-02	U
CF	COL	457591015	8/15/2018	I-131	-2.92E-03	3.19E-03	7.68E-03	U
CF	ONS-1	457591016	8/15/2018	I-131	-2.02E-03	3.03E-03	7.78E-03	U
CF	ONS-2	457591017	8/15/2018	I-131	-1.11E-03	5.96E-03	1.97E-02	U
CF	ONS-3	457591018	8/15/2018	I-131	-1.45E-03	4.46E-03	1.40E-02	U
CF	ONS-4	457591019	8/15/2018	I-131	4.49E-03	4.73E-03	1.78E-02	U
CF	ONS-5	457591020	8/15/2018	I-131	4.76E-03	5.29E-03	1.98E-02	U
CF	ONS-6	457591021	8/15/2018	I-131	-6.67E-03	4.24E-03	5.79E-03	U
CF	NBF	458095012	8/22/2018	I-131	-1.48E-03	4.53E-03	1.42E-02	U
CF	SBN	458095013	8/22/2018	I-131	-4.19E-03	1.92E-03	2.81E-03	U
CF	DOW	458095014	8/22/2018	I-131	-3.55E-03	3.72E-03	1.01E-02	U
CF	COL	458095015	8/22/2018	I-131	-3.69E-03	3.90E-03	1.03E-02	U
CF	ONS-1	458095016	8/22/2018	I-131	-1.58E-03	3.80E-03	1.14E-02	U
CF	ONS-2	458095017	8/22/2018	I-131	4.99E-03	3.71E-03	1.50E-02	U
CF	ONS-3	458095018	8/22/2018	I-131	-9.76E-04	3.99E-03	1.34E-02	U
CF	ONS-4	458095019	8/22/2018	I-131	4.13E-03	4.40E-03	1.65E-02	U
CF	ONS-5	458095020	8/22/2018	I-131	4.04E-04	5.22E-03	1.77E-02	U
CF	ONS-6	458095021	8/22/2018	I-131	-1.44E-04	4.29E-03	1.45E-02	U
CF	NBF	458581012	8/29/2018	I-131	5.22E-04	3.08E-03	1.08E-02	U
CF	SBN	458581013	8/29/2018	I-131	-2.67E-03	3.01E-03	7.49E-03	U
CF	DOW	458581014	8/29/2018	I-131	6.25E-03	5.20E-03	1.97E-02	U
CF	COL	458581015	8/29/2018	I-131	-1.59E-04	2.23E-03	7.24E-03	U
CF	ONS-1	458581016	8/29/2018	I-131	-1.52E-03	4.12E-03	1.26E-02	U
CF	ONS-2	458581017	8/29/2018	I-131	-9.84E-04	2.02E-03	4.96E-03	U
CF	ONS-3	458581018	8/29/2018	I-131	1.45E-03	2.76E-03	1.08E-02	U
CF	ONS-4	458581019	8/29/2018	I-131	-1.50E-03	3.44E-03	1.08E-02	U
CF	ONS-5	458581020	8/29/2018	I-131	-5.35E-03	3.68E-03	7.25E-03	U
CF	ONS-6	458581021	8/29/2018	I-131	-8.38E-03	5.39E-03	1.11E-02	U
CF	NBF	458995012	9/5/2018	I-131	2.15E-03	2.95E-03	1.01E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	458995013	9/5/2018	I-131	4.22E-03	2.93E-03	5.10E-03	U
CF	DOW	458995014	9/5/2018	I-131	2.15E-03	2.21E-03	7.84E-03	U
CF	COL	458995015	9/5/2018	I-131	2.74E-03	2.05E-03	7.23E-03	U
CF	ONS-1	458995016	9/5/2018	I-131	7.26E-04	2.40E-03	7.55E-03	U
CF	ONS-2	458995017	9/5/2018	I-131	-1.52E-03	4.03E-03	1.33E-02	U
CF	ONS-3	458995018	9/5/2018	I-131	1.36E-03	2.51E-03	8.76E-03	U
CF	ONS-4	458995019	9/5/2018	I-131	1.21E-03	1.94E-03	6.83E-03	U
CF	ONS-5	458995020	9/5/2018	I-131	2.15E-03	2.39E-03	7.89E-03	U
CF	ONS-6	458995021	9/5/2018	I-131	-2.92E-03	2.38E-03	6.69E-03	U
CF	NBF	459937001	9/12/2018	I-131	0.00E+00	0.00E+00	3.08E-02	U
CF	SBN	459937002	9/12/2018	I-131	0.00E+00	0.00E+00	3.91E-02	U
CF	DOW	459937003	9/12/2018	I-131	0.00E+00	0.00E+00	1.95E-02	U
CF	COL	459937004	9/12/2018	I-131	0.00E+00	0.00E+00	1.89E-02	U
CF	ONS-1	459937005	9/12/2018	I-131	0.00E+00	0.00E+00	1.92E-02	U
CF	ONS-2	459937006	9/12/2018	I-131	0.00E+00	0.00E+00	3.55E-02	U
CF	ONS-3	459937007	9/12/2018	I-131	0.00E+00	0.00E+00	9.61E-03	U
CF	ONS-4	459937008	9/12/2018	I-131	0.00E+00	0.00E+00	4.14E-02	U
CF	ONS-5	459937009	9/12/2018	I-131	0.00E+00	0.00E+00	2.37E-02	U
CF	ONS-6	459937010	9/12/2018	I-131	0.00E+00	0.00E+00	2.40E-02	U
CF	NBF	459938012	9/19/2018	I-131	-2.88E-03	3.31E-03	9.25E-03	U
CF	SBN	459938013	9/19/2018	I-131	1.14E-03	3.11E-03	1.10E-02	U
CF	DOW	459938014	9/19/2018	I-131	5.04E-03	4.12E-03	1.48E-02	U
CF	COL	459938015	9/19/2018	I-131	-3.65E-03	2.86E-03	7.07E-03	U
CF	ONS-1	459938016	9/19/2018	I-131	-1.85E-03	2.58E-03	7.87E-03	U
CF	ONS-2	459938017	9/19/2018	I-131	-1.99E-03	2.14E-03	6.37E-03	U
CF	ONS-3	459938018	9/19/2018	I-131	-1.11E-03	2.21E-03	6.98E-03	U
CF	ONS-4	459938019	9/19/2018	I-131	-6.18E-03	4.87E-03	8.92E-03	U
CF	ONS-5	459938020	9/19/2018	I-131	1.03E-02	6.33E-03	9.87E-03	UI
CF	ONS-6	459938021	9/19/2018	I-131	9.13E-04	2.31E-03	8.09E-03	U
CF	NBF	460473012	9/26/2018	I-131	3.78E-03	4.90E-03	1.78E-02	U
CF	SBN	460473013	9/26/2018	I-131	-2.81E-03	4.37E-03	1.28E-02	U
CF	DOW	460473014	9/26/2018	I-131	-3.80E-03	2.84E-03	4.52E-03	U
CF	COL	460473015	9/26/2018	I-131	7.06E-03	4.20E-03	1.68E-02	U
CF	ONS-1	460473016	9/26/2018	I-131	1.32E-02	5.87E-03	2.33E-02	U
CF	ONS-2	460473017	9/26/2018	I-131	-7.36E-03	6.11E-03	1.59E-02	U
CF	ONS-3	460473018	9/26/2018	I-131	3.92E-03	4.89E-03	1.84E-02	U
CF	ONS-4	460473019	9/26/2018	I-131	2.76E-03	4.48E-03	1.65E-02	U
CF	ONS-5	460473020	9/26/2018	I-131	-1.39E-02	7.59E-03	1.46E-02	U
CF	ONS-6	460473021	9/26/2018	I-131	-3.01E-03	3.40E-03	8.49E-03	U
CF	NBF	461118012	10/3/2018	I-131	3.17E-03	2.30E-03	1.01E-02	U
CF	SBN	461118013	10/3/2018	I-131	-1.43E-03	2.70E-03	7.49E-03	U
CF	DOW	461118014	10/3/2018	I-131	5.16E-03	5.83E-03	2.11E-02	U
CF	COL	461118015	10/3/2018	I-131	-1.55E-03	3.29E-03	9.57E-03	U
CF	ONS-1	461118016	10/3/2018	I-131	-4.72E-03	3.80E-03	8.99E-03	U
CF	ONS-2	461118017	10/3/2018	I-131	-2.47E-03	3.83E-03	1.12E-02	U
CF	ONS-3	461118018	10/3/2018	I-131	7.50E-04	4.14E-03	1.45E-02	U
CF	ONS-4	461118019	10/3/2018	I-131	1.85E-03	3.10E-03	1.17E-02	U
CF	ONS-5	461118020	10/3/2018	I-131	3.05E-03	4.46E-03	1.65E-02	U
CF	ONS-6	461118021	10/3/2018	I-131	-1.07E-02	5.95E-03	1.18E-02	U
CF	NBF	461652012	10/10/2018	I-131	1.81E-03	2.85E-03	1.02E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	461652013	10/10/2018	I-131	-1.75E-03	3.01E-03	8.80E-03	U
CF	DOW	461652014	10/10/2018	I-131	-4.18E-03	2.93E-03	7.14E-03	U
CF	COL	461652015	10/10/2018	I-131	-4.14E-06	3.05E-03	1.00E-02	U
CF	ONS-1	461652016	10/10/2018	I-131	1.82E-03	2.88E-03	1.05E-02	U
CF	ONS-2	461652017	10/10/2018	I-131	1.08E-03	2.28E-03	8.10E-03	U
CF	ONS-3	461652018	10/10/2018	I-131	3.14E-03	2.07E-03	8.07E-03	U
CF	ONS-4	461652019	10/10/2018	I-131	-7.75E-04	2.77E-03	9.14E-03	U
CF	ONS-5	461652020	10/10/2018	I-131	-9.69E-04	1.95E-03	6.08E-03	U
CF	ONS-6	461652021	10/10/2018	I-131	5.36E-04	2.17E-03	7.63E-03	U
CF	NBF	462227011	10/17/2018	I-131	1.60E-03	4.03E-03	1.39E-02	U
CF	SBN	462227012	10/17/2018	I-131	-3.06E-04	4.24E-03	1.41E-02	U
CF	DOW	462227013	10/17/2018	I-131	-3.63E-04	2.64E-03	8.77E-03	U
CF	COL	462227014	10/17/2018	I-131	-1.23E-03	2.70E-03	7.98E-03	U
CF	ONS-1	462227015	10/17/2018	I-131	6.66E-04	3.05E-03	1.04E-02	U
CF	ONS-3	462227016	10/17/2018	I-131	-3.56E-03	3.38E-03	9.48E-03	U
CF	ONS-4	462227017	10/17/2018	I-131	-4.56E-03	2.52E-03	5.13E-03	U
CF	ONS-5	462227018	10/17/2018	I-131	5.66E-03	4.67E-03	1.77E-02	U
CF	ONS-6	462227019	10/17/2018	I-131	1.09E-02	3.51E-03	7.77E-03	UI
CF	NBF	462774012	10/20/2018	I-131	3.08E-03	3.36E-03	1.21E-02	U
CF	SBN	462774013	10/20/2018	I-131	-3.11E-06	3.54E-03	1.17E-02	U
CF	DOW	462774014	10/20/2018	I-131	-1.24E-03	2.55E-03	8.02E-03	U
CF	COL	462774015	10/20/2018	I-131	-3.34E-03	3.93E-03	1.04E-02	U
CF	ONS-2	462774017	10/20/2018	I-131	2.61E-03	2.30E-03	8.67E-03	U
CF	ONS-4	462774019	10/20/2018	I-131	-3.50E-03	2.57E-03	6.40E-03	U
CF	ONS-5	462774020	10/20/2018	I-131	3.88E-03	2.96E-03	1.03E-02	U
CF	ONS-6	462774021	10/20/2018	I-131	1.40E-03	4.70E-03	1.66E-02	U
CF	ONS-3	462774018	10/21/2018	I-131	8.38E-03	3.76E-03	6.19E-03	UI
CF	ONS-1	462774016	10/22/2018	I-131	-1.98E-03	3.43E-03	1.02E-02	U
CF	NBF	463334012	10/27/2018	I-131	4.48E-04	3.54E-03	1.18E-02	U
CF	SBN	463334013	10/27/2018	I-131	1.24E-03	2.43E-03	9.11E-03	U
CF	DOW	463334014	10/27/2018	I-131	-2.92E-03	4.35E-03	1.28E-02	U
CF	COL	463334015	10/27/2018	I-131	1.58E-03	4.31E-03	1.50E-02	U
CF	ONS-1	463334016	10/27/2018	I-131	-4.65E-03	3.84E-03	9.58E-03	U
CF	ONS-2	463334017	10/27/2018	I-131	-1.71E-03	4.07E-03	1.21E-02	U
CF	ONS-3	463334018	10/27/2018	I-131	2.28E-03	4.40E-03	1.57E-02	U
CF	ONS-4	463334019	10/27/2018	I-131	-1.51E-02	8.06E-03	1.69E-02	U
CF	ONS-5	463334020	10/27/2018	I-131	7.62E-03	5.67E-03	2.17E-02	U
CF	ONS-6	463334021	10/27/2018	I-131	-1.17E-04	2.50E-03	7.94E-03	U
CF	NBF	464017012	11/3/2018	I-131	5.91E-03	4.62E-03	1.84E-02	U
CF	SBN	464017013	11/3/2018	I-131	4.19E-03	4.75E-03	1.77E-02	U
CF	DOW	464017014	11/3/2018	I-131	-4.97E-03	5.20E-03	1.37E-02	U
CF	COL	464017015	11/3/2018	I-131	-2.81E-04	3.35E-03	1.11E-02	U
CF	ONS-1	464017016	11/3/2018	I-131	2.59E-03	3.13E-03	1.11E-02	U
CF	ONS-2	464017017	11/3/2018	I-131	3.54E-03	5.16E-03	1.88E-02	U
CF	ONS-5	464017020	11/3/2018	I-131	-6.46E-03	3.88E-03	6.91E-03	U
CF	ONS-6	464017021	11/3/2018	I-131	4.93E-03	5.16E-03	1.91E-02	U
CF	ONS-3	464017018	11/4/2018	I-131	-1.50E-03	2.68E-03	7.23E-03	U
CF	ONS-4	464017019	11/4/2018	I-131	8.09E-03	5.29E-03	2.10E-02	U
CF	NBF	464429012	11/10/2018	I-131	-2.01E-05	3.09E-03	1.02E-02	U
CF	SBN	464429013	11/10/2018	I-131	-5.18E-03	2.85E-03	5.26E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	DOW	464429014	11/10/2018	I-131	2.66E-03	2.80E-03	1.00E-02	U
CF	COL	464429015	11/10/2018	I-131	-2.52E-03	2.26E-03	5.87E-03	U
CF	ONS-1	464429016	11/10/2018	I-131	-1.96E-03	5.24E-03	1.65E-02	U
CF	ONS-2	464429017	11/10/2018	I-131	1.27E-03	2.08E-03	7.40E-03	U
CF	ONS-3	464429018	11/10/2018	I-131	-1.33E-03	4.45E-03	1.39E-02	U
CF	ONS-4	464429019	11/10/2018	I-131	-4.94E-03	3.69E-03	8.22E-03	U
CF	ONS-5	464429020	11/10/2018	I-131	-3.70E-03	4.22E-03	1.07E-02	U
CF	ONS-6	464429021	11/10/2018	I-131	-5.30E-03	5.46E-03	1.50E-02	U
CF	NBF	465343012	11/17/2018	I-131	-2.66E-03	5.77E-03	1.68E-02	U
CF	SBN	465343013	11/17/2018	I-131	1.04E-02	5.26E-03	2.17E-02	U
CF	DOW	465343014	11/17/2018	I-131	-2.84E-04	4.28E-03	1.36E-02	U
CF	COL	465343015	11/17/2018	I-131	-7.20E-03	6.75E-03	1.67E-02	U
CF	ONS-1	465343016	11/17/2018	I-131	-2.47E-03	4.81E-03	1.35E-02	U
CF	ONS-2	465343017	11/17/2018	I-131	3.04E-03	6.88E-03	2.49E-02	U
CF	ONS-3	465343018	11/17/2018	I-131	5.77E-03	5.66E-03	2.12E-02	U
CF	ONS-4	465343019	11/17/2018	I-131	-5.77E-03	6.25E-03	1.75E-02	U
CF	ONS-5	465343020	11/17/2018	I-131	5.85E-04	8.03E-03	2.73E-02	U
CF	ONS-6	465343021	11/17/2018	I-131	-7.92E-03	5.28E-03	1.05E-02	U
CF	NBF	465787012	11/24/2018	I-131	-4.49E-03	3.75E-03	8.26E-03	U
CF	SBN	465787013	11/24/2018	I-131	-1.81E-03	4.86E-03	1.48E-02	U
CF	DOW	465787014	11/24/2018	I-131	2.05E-03	3.15E-03	1.19E-02	U
CF	COL	465787015	11/24/2018	I-131	-1.62E-03	4.97E-03	1.55E-02	U
CF	ONS-1	465787016	11/24/2018	I-131	-1.04E-03	3.25E-03	1.14E-02	U
CF	ONS-2	465787017	11/24/2018	I-131	-8.86E-03	5.07E-03	8.08E-03	U
CF	ONS-3	465787018	11/24/2018	I-131	1.16E-03	4.08E-03	1.44E-02	U
CF	ONS-4	465787019	11/24/2018	I-131	-2.70E-03	3.39E-03	9.62E-03	U
CF	ONS-5	465787020	11/24/2018	I-131	4.74E-03	3.70E-03	1.45E-02	U
CF	ONS-6	465787021	11/24/2018	I-131	-2.43E-03	3.95E-03	1.14E-02	U
CF	NBF	466454012	12/5/2018	I-131	4.61E-04	3.06E-03	1.06E-02	U
CF	SBN	466454013	12/5/2018	I-131	-3.51E-03	3.71E-03	1.10E-02	U
CF	DOW	466454014	12/5/2018	I-131	1.92E-03	4.18E-03	1.30E-02	U
CF	COL	466454015	12/5/2018	I-131	7.76E-03	3.34E-03	6.41E-03	UI
CF	ONS-1	466454016	12/5/2018	I-131	-1.33E-03	2.90E-03	7.93E-03	U
CF	ONS-2	466454017	12/5/2018	I-131	6.61E-03	2.11E-03	5.92E-03	UI
CF	ONS-3	466454018	12/5/2018	I-131	1.14E-03	2.96E-03	1.02E-02	U
CF	ONS-4	466454019	12/5/2018	I-131	-6.62E-03	3.20E-03	5.03E-03	U
CF	ONS-5	466454020	12/5/2018	I-131	-3.11E-03	2.61E-03	5.75E-03	U
CF	ONS-6	466454021	12/5/2018	I-131	1.40E-03	2.86E-03	1.02E-02	U
CF	NBF	466984012	12/12/2018	I-131	3.37E-05	2.73E-03	9.04E-03	U
CF	SBN	466984013	12/12/2018	I-131	-1.88E-03	3.65E-03	1.03E-02	U
CF	DOW	466984014	12/12/2018	I-131	-1.84E-03	4.24E-03	1.31E-02	U
CF	COL	466984015	12/12/2018	I-131	1.04E-03	3.19E-03	1.13E-02	U
CF	ONS-1	466984016	12/12/2018	I-131	-3.92E-03	3.38E-03	7.98E-03	U
CF	ONS-2	466984017	12/12/2018	I-131	3.47E-03	4.13E-03	1.55E-02	U
CF	ONS-3	466984018	12/12/2018	I-131	-5.67E-04	2.88E-03	9.41E-03	U
CF	ONS-4	466984019	12/12/2018	I-131	1.03E-02	8.09E-03	3.12E-02	U
CF	ONS-5	466984020	12/12/2018	I-131	-3.46E-03	4.29E-03	1.14E-02	U
CF	ONS-6	466984021	12/12/2018	I-131	-1.37E-03	2.45E-03	6.61E-03	U
CF	NBF	467546012	12/19/2018	I-131	-5.14E-03	3.99E-03	7.86E-03	U
CF	SBN	467546013	12/19/2018	I-131	-7.36E-03	4.82E-03	8.53E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	DOW	467546014	12/19/2018	I-131	7.99E-04	5.00E-03	1.74E-02	U
CF	COL	467546015	12/19/2018	I-131	2.84E-03	4.45E-03	1.61E-02	U
CF	ONS-1	467546016	12/19/2018	I-131	-4.77E-03	5.30E-03	1.44E-02	U
CF	ONS-2	467546017	12/19/2018	I-131	-3.74E-03	3.09E-03	5.87E-03	U
CF	ONS-3	467546018	12/19/2018	I-131	2.05E-04	3.57E-03	1.20E-02	U
CF	ONS-4	467546019	12/19/2018	I-131	6.60E-04	4.04E-03	1.41E-02	U
CF	ONS-5	467546020	12/19/2018	I-131	2.72E-03	2.66E-03	1.07E-02	U
CF	ONS-6	467546021	12/19/2018	I-131	5.31E-05	4.00E-03	1.37E-02	U
CF	NBF	467779012	12/26/2018	I-131	7.44E-03	4.53E-03	1.76E-02	U
CF	SBN	467779013	12/26/2018	I-131	1.37E-03	3.66E-03	1.28E-02	U
CF	DOW	467779014	12/26/2018	I-131	-2.67E-03	4.67E-03	1.40E-02	U
CF	COL	467779015	12/26/2018	I-131	3.42E-03	5.76E-03	2.03E-02	U
CF	ONS-1	467779016	12/26/2018	I-131	-1.87E-03	3.33E-03	8.93E-03	U
CF	ONS-2	467779017	12/26/2018	I-131	-8.48E-03	3.93E-03	3.14E-03	U
CF	ONS-3	467779018	12/26/2018	I-131	-5.55E-03	4.79E-03	1.09E-02	U
CF	ONS-4	467779019	12/26/2018	I-131	4.60E-03	4.51E-03	1.69E-02	U
CF	ONS-5	467779020	12/26/2018	I-131	-3.10E-03	3.81E-03	9.98E-03	U
CF	ONS-6	467779021	12/26/2018	I-131	5.70E-03	5.22E-03	1.98E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	TROUT-CNP	445727001	3/11/2018	Ac-228	1.67E+01	1.29E+01	4.33E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Ag-108m	8.39E+00	3.49E+00	8.37E+00	UI
FH	TROUT-CNP	445727001	3/11/2018	Ag-110m	-6.43E+00	3.66E+00	9.27E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Ba-140	2.95E+00	1.20E+01	3.90E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Be-7	-2.50E+01	2.17E+01	6.22E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Ce-141	2.26E+00	7.44E+00	1.19E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Ce-144	2.51E+01	1.94E+01	3.62E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Co-57	-1.30E+00	1.77E+00	5.83E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Co-58	9.89E-01	2.77E+00	9.47E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Co-60	2.45E+00	1.95E+00	7.21E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Cr-51	1.17E+00	2.27E+01	7.51E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Cs-134	3.86E-01	2.86E+00	9.68E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Cs-137	1.08E+01	5.57E+00	8.55E+00	UI
FH	TROUT-CNP	445727001	3/11/2018	Fe-59	-2.86E+00	5.15E+00	1.59E+01	U
FH	TROUT-CNP	445727001	3/11/2018	I-131	-4.50E+00	3.78E+00	1.11E+01	U
FH	TROUT-CNP	445727001	3/11/2018	K-40	2.40E+03	1.70E+02	4.94E+01	
FH	TROUT-CNP	445727001	3/11/2018	La-140	6.92E-01	2.83E+00	9.42E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Mn-54	4.42E+00	2.96E+00	1.02E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Nb-95	-1.57E+00	3.06E+00	8.60E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Ru-103	1.07E+00	2.45E+00	8.06E+00	U
FH	TROUT-CNP	445727001	3/11/2018	Ru-106	3.31E+01	2.55E+01	8.41E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Sb-124	-1.24E+00	4.18E+00	1.33E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Sb-125	-3.31E+00	6.33E+00	1.97E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Se-75	-2.53E-01	3.05E+00	1.01E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Th-228	1.90E+00	4.61E+00	1.46E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Zn-65	-2.72E+00	5.51E+00	1.72E+01	U
FH	TROUT-CNP	445727001	3/11/2018	Zr-95	-1.87E+00	4.97E+00	1.42E+01	U
FH	OFS-N	451301001	5/24/2018	Ac-228	1.27E+01	1.43E+01	3.86E+01	U
FH	OFS-N	451301001	5/24/2018	Ag-108m	-7.57E-01	1.72E+00	5.48E+00	U
FH	OFS-N	451301001	5/24/2018	Ag-110m	2.72E+00	3.28E+00	1.14E+01	U
FH	OFS-N	451301001	5/24/2018	Ba-140	5.62E+00	1.08E+01	3.59E+01	U
FH	OFS-N	451301001	5/24/2018	Be-7	8.53E+00	1.86E+01	6.13E+01	U
FH	OFS-N	451301001	5/24/2018	Ce-141	-1.65E+00	3.50E+00	9.89E+00	U
FH	OFS-N	451301001	5/24/2018	Ce-144	3.37E+00	1.06E+01	3.41E+01	U
FH	OFS-N	451301001	5/24/2018	Co-57	5.48E-01	1.36E+00	4.40E+00	U
FH	OFS-N	451301001	5/24/2018	Co-58	2.12E+00	2.71E+00	8.28E+00	U
FH	OFS-N	451301001	5/24/2018	Co-60	-3.44E+00	2.65E+00	7.01E+00	U
FH	OFS-N	451301001	5/24/2018	Cr-51	2.79E-01	1.95E+01	6.21E+01	U
FH	OFS-N	451301001	5/24/2018	Cs-134	1.19E+00	2.12E+00	7.40E+00	U
FH	OFS-N	451301001	5/24/2018	Cs-137	6.48E+00	5.10E+00	7.07E+00	U
FH	OFS-N	451301001	5/24/2018	Fe-59	-4.36E+00	6.69E+00	1.79E+01	U
FH	OFS-N	451301001	5/24/2018	I-131	-1.57E-01	3.79E+00	1.26E+01	U
FH	OFS-N	451301001	5/24/2018	K-40	3.30E+03	2.07E+02	6.39E+01	
FH	OFS-N	451301001	5/24/2018	La-140	-4.49E-01	2.59E+00	8.49E+00	U
FH	OFS-N	451301001	5/24/2018	Mn-54	-7.98E-01	2.15E+00	7.05E+00	U
FH	OFS-N	451301001	5/24/2018	Nb-95	-1.47E+00	2.38E+00	7.68E+00	U
FH	OFS-N	451301001	5/24/2018	Ru-103	1.81E+00	2.72E+00	6.75E+00	U
FH	OFS-N	451301001	5/24/2018	Ru-106	6.27E+00	1.70E+01	5.60E+01	U
FH	OFS-N	451301001	5/24/2018	Sb-124	9.60E-01	5.19E+00	1.78E+01	U
FH	OFS-N	451301001	5/24/2018	Sb-125	-4.27E+00	5.42E+00	1.67E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	OFS-N	451301001	5/24/2018	Se-75	-3.41E+00	2.52E+00	7.60E+00	U
FH	OFS-N	451301001	5/24/2018	Th-228	6.67E+00	4.19E+00	1.36E+01	U
FH	OFS-N	451301001	5/24/2018	Zn-65	1.96E+00	6.81E+00	2.23E+01	U
FH	OFS-N	451301001	5/24/2018	Zr-95	-1.93E+00	3.81E+00	1.24E+01	U
FH	ONS-N	451301002	5/24/2018	Ac-228	1.31E+01	1.49E+01	5.51E+01	U
FH	ONS-N	451301002	5/24/2018	Ag-108m	6.37E+00	3.37E+00	1.16E+01	U
FH	ONS-N	451301002	5/24/2018	Ag-110m	5.81E+00	5.63E+00	2.03E+01	U
FH	ONS-N	451301002	5/24/2018	Ba-140	1.28E+01	2.03E+01	6.84E+01	U
FH	ONS-N	451301002	5/24/2018	Be-7	1.82E+01	3.65E+01	1.10E+02	U
FH	ONS-N	451301002	5/24/2018	Ce-141	-2.94E+00	5.91E+00	1.86E+01	U
FH	ONS-N	451301002	5/24/2018	Ce-144	-8.68E-01	2.09E+01	6.99E+01	U
FH	ONS-N	451301002	5/24/2018	Co-57	3.85E+00	3.01E+00	1.03E+01	U
FH	ONS-N	451301002	5/24/2018	Co-58	-3.48E+00	3.47E+00	9.77E+00	U
FH	ONS-N	451301002	5/24/2018	Co-60	1.17E+00	3.33E+00	1.16E+01	U
FH	ONS-N	451301002	5/24/2018	Cr-51	2.16E+01	3.25E+01	1.01E+02	U
FH	ONS-N	451301002	5/24/2018	Cs-134	3.99E+00	3.79E+00	1.39E+01	U
FH	ONS-N	451301002	5/24/2018	Cs-137	4.42E+01	7.15E+00	1.14E+01	M
FH	ONS-N	451301002	5/24/2018	Fe-59	1.25E+01	1.20E+01	4.22E+01	U
FH	ONS-N	451301002	5/24/2018	I-131	2.45E+00	7.30E+00	2.43E+01	U
FH	ONS-N	451301002	5/24/2018	K-40	2.70E+03	2.19E+02	1.19E+02	
FH	ONS-N	451301002	5/24/2018	La-140	-4.50E+00	4.11E+00	6.43E+00	U
FH	ONS-N	451301002	5/24/2018	Mn-54	-3.32E+00	3.31E+00	9.32E+00	U
FH	ONS-N	451301002	5/24/2018	Nb-95	-2.17E+00	3.41E+00	1.07E+01	U
FH	ONS-N	451301002	5/24/2018	Ru-103	-5.31E-01	3.63E+00	1.14E+01	U
FH	ONS-N	451301002	5/24/2018	Ru-106	4.99E+01	3.30E+01	1.20E+02	U
FH	ONS-N	451301002	5/24/2018	Sb-124	5.45E+00	6.92E+00	2.64E+01	U
FH	ONS-N	451301002	5/24/2018	Sb-125	-2.78E+00	9.90E+00	3.10E+01	U
FH	ONS-N	451301002	5/24/2018	Se-75	-1.01E+01	5.28E+00	1.31E+01	U
FH	ONS-N	451301002	5/24/2018	Th-228	1.82E+01	1.43E+01	2.57E+01	U
FH	ONS-N	451301002	5/24/2018	Zn-65	-6.90E+00	9.13E+00	2.76E+01	U
FH	ONS-N	451301002	5/24/2018	Zr-95	2.70E+00	5.91E+00	2.09E+01	U
FH	ONS-S	451301003	5/24/2018	Ac-228	-2.23E+01	1.86E+01	5.26E+01	U
FH	ONS-S	451301003	5/24/2018	Ag-108m	-3.27E+00	3.09E+00	8.92E+00	U
FH	ONS-S	451301003	5/24/2018	Ag-110m	-3.33E+00	6.05E+00	1.89E+01	U
FH	ONS-S	451301003	5/24/2018	Ba-140	1.18E+01	2.02E+01	6.88E+01	U
FH	ONS-S	451301003	5/24/2018	Be-7	-1.09E+01	2.88E+01	9.06E+01	U
FH	ONS-S	451301003	5/24/2018	Ce-141	-1.12E+00	4.64E+00	1.52E+01	U
FH	ONS-S	451301003	5/24/2018	Ce-144	-2.80E+01	2.01E+01	5.65E+01	U
FH	ONS-S	451301003	5/24/2018	Co-57	1.40E+00	3.81E+00	6.30E+00	U
FH	ONS-S	451301003	5/24/2018	Co-58	-1.52E+00	3.19E+00	9.99E+00	U
FH	ONS-S	451301003	5/24/2018	Co-60	-2.58E+00	6.41E+00	1.96E+01	U
FH	ONS-S	451301003	5/24/2018	Cr-51	-2.89E+01	3.24E+01	1.01E+02	U
FH	ONS-S	451301003	5/24/2018	Cs-134	8.57E-02	3.13E+00	9.36E+00	U
FH	ONS-S	451301003	5/24/2018	Cs-137	1.65E+01	6.66E+00	1.70E+01	U
FH	ONS-S	451301003	5/24/2018	Fe-59	1.15E+01	1.06E+01	3.73E+01	U
FH	ONS-S	451301003	5/24/2018	I-131	-3.13E+00	6.42E+00	2.05E+01	U
FH	ONS-S	451301003	5/24/2018	K-40	2.03E+03	2.03E+02	1.27E+02	
FH	ONS-S	451301003	5/24/2018	La-140	-6.98E+00	5.62E+00	1.18E+01	U
FH	ONS-S	451301003	5/24/2018	Mn-54	1.56E+00	3.65E+00	1.28E+01	U
FH	ONS-S	451301003	5/24/2018	Nb-95	1.42E+00	4.54E+00	1.41E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	ONS-S	451301003	5/24/2018	Ru-103	2.14E+00	3.55E+00	1.22E+01	U
FH	ONS-S	451301003	5/24/2018	Ru-106	1.76E+01	3.43E+01	1.16E+02	U
FH	ONS-S	451301003	5/24/2018	Sb-124	7.45E+00	5.44E+00	2.40E+01	U
FH	ONS-S	451301003	5/24/2018	Sb-125	6.44E+00	8.10E+00	2.83E+01	U
FH	ONS-S	451301003	5/24/2018	Se-75	-9.59E-01	4.17E+00	1.41E+01	U
FH	ONS-S	451301003	5/24/2018	Th-228	-3.95E+00	6.08E+00	1.81E+01	U
FH	ONS-S	451301003	5/24/2018	Zn-65	-1.14E+01	1.11E+01	3.10E+01	U
FH	ONS-S	451301003	5/24/2018	Zr-95	-2.46E+00	6.90E+00	1.93E+01	U
FH	OFS-S	451301004	5/24/2018	Ac-228	2.14E+01	2.10E+01	5.29E+01	U
FH	OFS-S	451301004	5/24/2018	Ag-108m	1.33E+00	2.73E+00	9.24E+00	U
FH	OFS-S	451301004	5/24/2018	Ag-110m	1.17E-01	3.69E+00	1.24E+01	U
FH	OFS-S	451301004	5/24/2018	Ba-140	-2.13E+01	1.86E+01	5.18E+01	U
FH	OFS-S	451301004	5/24/2018	Be-7	2.64E+01	2.59E+01	9.03E+01	U
FH	OFS-S	451301004	5/24/2018	Ce-141	1.39E+00	4.53E+00	1.46E+01	U
FH	OFS-S	451301004	5/24/2018	Ce-144	-1.21E+01	1.69E+01	5.08E+01	U
FH	OFS-S	451301004	5/24/2018	Co-57	-2.97E+00	2.23E+00	6.18E+00	U
FH	OFS-S	451301004	5/24/2018	Co-58	5.03E+00	3.15E+00	1.15E+01	U
FH	OFS-S	451301004	5/24/2018	Co-60	3.73E+00	3.17E+00	1.17E+01	U
FH	OFS-S	451301004	5/24/2018	Cr-51	-2.52E+01	2.54E+01	7.55E+01	U
FH	OFS-S	451301004	5/24/2018	Cs-134	-2.30E+00	3.33E+00	1.03E+01	U
FH	OFS-S	451301004	5/24/2018	Cs-137	5.56E+00	3.30E+00	1.15E+01	U
FH	OFS-S	451301004	5/24/2018	Fe-59	6.44E+00	9.23E+00	3.18E+01	U
FH	OFS-S	451301004	5/24/2018	I-131	-5.62E+00	5.20E+00	1.51E+01	U
FH	OFS-S	451301004	5/24/2018	K-40	3.15E+03	2.38E+02	7.94E+01	
FH	OFS-S	451301004	5/24/2018	La-140	-1.16E+00	4.61E+00	1.48E+01	U
FH	OFS-S	451301004	5/24/2018	Mn-54	-1.08E+01	3.76E+00	4.06E+00	U
FH	OFS-S	451301004	5/24/2018	Nb-95	2.06E+00	3.33E+00	1.07E+01	U
FH	OFS-S	451301004	5/24/2018	Ru-103	7.24E+00	3.67E+00	8.89E+00	U
FH	OFS-S	451301004	5/24/2018	Ru-106	3.03E+00	2.52E+01	8.17E+01	U
FH	OFS-S	451301004	5/24/2018	Sb-124	-4.62E+00	6.93E+00	2.01E+01	U
FH	OFS-S	451301004	5/24/2018	Sb-125	8.50E-01	7.14E+00	2.13E+01	U
FH	OFS-S	451301004	5/24/2018	Se-75	-4.06E-01	2.76E+00	9.26E+00	U
FH	OFS-S	451301004	5/24/2018	Th-228	3.78E+01	1.47E+01	2.02E+01	UI
FH	OFS-S	451301004	5/24/2018	Zn-65	-2.74E+00	8.37E+00	2.66E+01	U
FH	OFS-S	451301004	5/24/2018	Zr-95	-1.77E+00	5.37E+00	1.76E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Ac-228	-4.30E+00	9.51E+00	2.64E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Ag-108m	3.83E-01	1.87E+00	5.65E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Ag-110m	-6.65E+00	3.36E+00	8.73E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Ba-140	1.86E+01	1.98E+01	6.55E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Be-7	1.08E+01	1.93E+01	6.36E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Ce-141	-5.83E+00	4.26E+00	1.18E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Ce-144	-6.18E+00	1.08E+01	3.61E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Co-57	-2.38E+00	1.55E+00	4.31E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Co-58	4.85E-01	2.30E+00	7.82E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Co-60	1.67E-02	2.17E+00	7.09E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Cr-51	-1.04E+01	2.35E+01	7.61E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Cs-134	-1.31E+00	2.04E+00	6.55E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Cs-137	5.95E+00	2.37E+00	6.42E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Fe-59	-9.67E-02	5.93E+00	1.96E+01	U
FH	SALMON-CNP	452595001	6/1/2018	I-131	-1.29E+01	1.15E+01	3.47E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	SALMON-CNP	452595001	6/1/2018	K-40	3.74E+03	2.17E+02	5.37E+01	
FH	SALMON-CNP	452595001	6/1/2018	La-140	2.44E+00	5.64E+00	1.90E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Mn-54	-2.74E+00	2.18E+00	6.51E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Nb-95	-8.67E-01	2.96E+00	8.73E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Ru-103	8.10E-01	2.40E+00	7.85E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Ru-106	-1.88E+01	1.90E+01	5.54E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Sb-124	-6.15E-01	4.62E+00	1.50E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Sb-125	6.26E+00	4.74E+00	1.57E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Se-75	4.18E+00	2.61E+00	8.55E+00	U
FH	SALMON-CNP	452595001	6/1/2018	Th-228	-5.21E+00	4.02E+00	1.08E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Zn-65	1.11E+00	6.74E+00	1.46E+01	U
FH	SALMON-CNP	452595001	6/1/2018	Zr-95	-5.26E+00	4.14E+00	1.24E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Ac-228	-1.38E+01	9.41E+00	2.62E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Ag-108m	1.95E+00	1.48E+00	4.54E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Ag-110m	6.77E-01	2.49E+00	8.44E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Ba-140	-1.89E+01	1.05E+01	2.76E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Be-7	-2.45E+01	1.59E+01	4.45E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Ce-141	-5.18E+00	3.13E+00	7.54E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Ce-144	7.63E+00	8.27E+00	2.70E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Co-57	-9.73E-01	9.81E-01	3.01E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Co-58	6.48E-01	1.68E+00	5.77E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Co-60	-9.17E-01	2.36E+00	7.34E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Cr-51	-1.86E+00	1.30E+01	4.37E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Cs-134	-2.68E+00	2.01E+00	5.90E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Cs-137	1.35E+01	3.62E+00	6.38E+00	M
FH	TROUT-CNP	453153001	6/19/2018	Fe-59	1.14E+00	4.33E+00	1.44E+01	U
FH	TROUT-CNP	453153001	6/19/2018	I-131	1.51E+00	2.80E+00	9.50E+00	U
FH	TROUT-CNP	453153001	6/19/2018	K-40	3.00E+03	1.71E+02	6.05E+01	
FH	TROUT-CNP	453153001	6/19/2018	La-140	1.60E+00	3.23E+00	1.01E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Mn-54	4.20E-01	1.74E+00	5.24E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Nb-95	-9.86E-01	1.81E+00	5.91E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Ru-103	5.78E-01	1.73E+00	5.74E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Ru-106	-2.48E+00	1.46E+01	4.62E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Sb-124	-1.32E+00	3.51E+00	1.11E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Sb-125	2.81E+01	1.27E+01	1.35E+01	UI
FH	TROUT-CNP	453153001	6/19/2018	Se-75	1.39E+00	1.95E+00	6.73E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Th-228	7.62E-01	3.86E+00	8.49E+00	U
FH	TROUT-CNP	453153001	6/19/2018	Zn-65	-9.03E+00	5.41E+00	1.45E+01	U
FH	TROUT-CNP	453153001	6/19/2018	Zr-95	5.00E+00	3.51E+00	1.21E+01	U
FH	PERCH-CNP	454548001	7/11/2018	Ac-228	-2.78E+00	6.90E+00	1.35E+01	U
FH	PERCH-CNP	454548001	7/11/2018	Ag-108m	-2.30E-03	6.54E-01	2.17E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Ag-110m	1.07E+00	1.11E+00	3.56E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Ba-140	6.15E+00	7.38E+00	2.43E+01	U
FH	PERCH-CNP	454548001	7/11/2018	Be-7	1.91E+01	1.53E+01	2.63E+01	U
FH	PERCH-CNP	454548001	7/11/2018	Ce-141	6.61E+00	3.92E+00	4.71E+00	UI
FH	PERCH-CNP	454548001	7/11/2018	Ce-144	-4.40E-01	4.49E+00	1.43E+01	U
FH	PERCH-CNP	454548001	7/11/2018	Co-57	6.02E-01	5.96E-01	1.89E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Co-58	-1.30E-01	9.47E-01	3.01E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Co-60	1.53E+00	9.21E-01	3.01E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Cr-51	-9.52E+00	9.36E+00	3.02E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	PERCH-CNP	454548001	7/11/2018	Cs-134	2.28E+00	1.08E+00	3.22E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Cs-137	6.88E+00	1.50E+00	2.71E+00	M
FH	PERCH-CNP	454548001	7/11/2018	Fe-59	1.30E-01	2.10E+00	7.05E+00	U
FH	PERCH-CNP	454548001	7/11/2018	I-131	3.56E-01	3.81E+00	1.28E+01	U
FH	PERCH-CNP	454548001	7/11/2018	K-40	1.01E+03	5.76E+01	2.46E+01	
FH	PERCH-CNP	454548001	7/11/2018	La-140	-1.90E+00	2.69E+00	8.36E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Mn-54	-2.28E-01	8.40E-01	2.69E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Nb-95	3.16E+00	1.82E+00	2.88E+00	UI
FH	PERCH-CNP	454548001	7/11/2018	Ru-103	-1.99E-01	9.60E-01	3.15E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Ru-106	2.93E+00	7.08E+00	2.32E+01	U
FH	PERCH-CNP	454548001	7/11/2018	Sb-124	1.81E+00	2.21E+00	7.34E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Sb-125	1.57E+00	2.24E+00	6.73E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Se-75	-2.11E-03	9.85E-01	3.36E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Th-228	3.58E+00	3.57E+00	5.16E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Zn-65	9.07E-01	2.17E+00	6.50E+00	U
FH	PERCH-CNP	454548001	7/11/2018	Zr-95	1.68E+00	1.81E+00	5.81E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Ac-228	1.35E+01	1.74E+01	3.77E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Ag-108m	2.60E-01	1.73E+00	5.77E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Ag-110m	4.91E+00	3.27E+00	1.11E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Ba-140	-2.54E+00	1.60E+01	5.18E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Be-7	3.24E+01	2.06E+01	6.93E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Ce-141	-1.19E+01	5.52E+00	1.28E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Ce-144	2.09E+01	1.29E+01	4.30E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Co-57	4.76E-01	1.72E+00	5.39E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Co-58	-3.44E-01	2.29E+00	7.25E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Co-60	-4.31E-01	1.69E+00	5.47E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Cr-51	1.61E+01	2.18E+01	7.42E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Cs-134	2.76E+00	2.83E+00	8.37E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Cs-137	4.34E+00	2.72E+00	9.08E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Fe-59	-3.98E-01	5.40E+00	1.83E+01	U
FH	PERCH-CNP	458574001	8/23/2018	I-131	3.35E+00	6.45E+00	2.19E+01	U
FH	PERCH-CNP	458574001	8/23/2018	K-40	2.29E+03	1.60E+02	8.14E+01	
FH	PERCH-CNP	458574001	8/23/2018	La-140	-9.01E+00	5.16E+00	1.12E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Mn-54	1.08E+00	2.29E+00	7.58E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Nb-95	9.09E-01	2.58E+00	8.51E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Ru-103	1.29E+00	2.39E+00	8.05E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Ru-106	-1.44E+01	2.12E+01	6.49E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Sb-124	5.44E+00	5.85E+00	2.11E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Sb-125	-2.68E+00	5.21E+00	1.66E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Se-75	-4.03E+00	2.81E+00	8.32E+00	U
FH	PERCH-CNP	458574001	8/23/2018	Th-228	1.31E+01	6.72E+00	1.51E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Zn-65	-1.50E+00	4.91E+00	1.62E+01	U
FH	PERCH-CNP	458574001	8/23/2018	Zr-95	-1.88E+00	4.54E+00	1.41E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	SL-2	448793001	4/20/2018	Ac-228	2.20E+02	6.35E+01	9.35E+01	
SE	SL-2	448793001	4/20/2018	Ag-108m	-8.08E-01	5.19E+00	1.78E+01	U
SE	SL-2	448793001	4/20/2018	Ag-110m	-2.09E+00	8.71E+00	2.94E+01	U
SE	SL-2	448793001	4/20/2018	Ba-140	-3.52E+01	5.03E+01	1.61E+02	U
SE	SL-2	448793001	4/20/2018	Be-7	2.49E+02	1.75E+02	2.08E+02	UI
SE	SL-2	448793001	4/20/2018	Ce-141	-1.38E+00	1.12E+01	3.87E+01	U
SE	SL-2	448793001	4/20/2018	Ce-144	3.09E+01	3.75E+01	1.33E+02	U
SE	SL-2	448793001	4/20/2018	Co-57	-7.14E+00	5.16E+00	1.61E+01	U
SE	SL-2	448793001	4/20/2018	Co-58	-7.02E+00	8.19E+00	2.63E+01	U
SE	SL-2	448793001	4/20/2018	Co-60	1.43E+01	7.46E+00	2.49E+01	U
SE	SL-2	448793001	4/20/2018	Cr-51	-4.68E+01	6.82E+01	2.33E+02	U
SE	SL-2	448793001	4/20/2018	Cs-134	1.67E+01	9.93E+00	3.27E+01	U
SE	SL-2	448793001	4/20/2018	Cs-137	1.08E+00	8.30E+00	2.78E+01	U
SE	SL-2	448793001	4/20/2018	Fe-59	-7.86E+00	1.74E+01	5.62E+01	U
SE	SL-2	448793001	4/20/2018	I-131	1.06E+00	1.90E+01	6.72E+01	U
SE	SL-2	448793001	4/20/2018	K-40	5.72E+03	4.38E+02	1.98E+02	
SE	SL-2	448793001	4/20/2018	La-140	-2.54E+01	1.60E+01	3.96E+01	U
SE	SL-2	448793001	4/20/2018	Mn-54	2.21E+00	7.19E+00	2.55E+01	U
SE	SL-2	448793001	4/20/2018	Nb-95	4.94E+00	7.98E+00	2.88E+01	U
SE	SL-2	448793001	4/20/2018	Ru-103	3.47E+00	8.58E+00	3.00E+01	U
SE	SL-2	448793001	4/20/2018	Ru-106	-1.99E+00	5.91E+01	1.97E+02	U
SE	SL-2	448793001	4/20/2018	Sb-124	-1.36E+01	1.72E+01	5.11E+01	U
SE	SL-2	448793001	4/20/2018	Sb-125	-2.31E+01	1.79E+01	5.42E+01	U
SE	SL-2	448793001	4/20/2018	Se-75	-1.83E+00	7.57E+00	2.72E+01	U
SE	SL-2	448793001	4/20/2018	Th-228	1.36E+02	2.82E+01	4.12E+01	
SE	SL-2	448793001	4/20/2018	Zn-65	9.03E+00	1.91E+01	5.93E+01	U
SE	SL-2	448793001	4/20/2018	Zr-95	7.06E+00	1.52E+01	5.47E+01	U
SE	SL-3	448793002	4/20/2018	Ac-228	2.13E+02	6.89E+01	1.77E+02	UI
SE	SL-3	448793002	4/20/2018	Ag-108m	-2.17E+00	6.10E+00	2.10E+01	U
SE	SL-3	448793002	4/20/2018	Ag-110m	3.15E+01	1.72E+01	3.42E+01	U
SE	SL-3	448793002	4/20/2018	Ba-140	-1.40E+01	4.54E+01	1.54E+02	U
SE	SL-3	448793002	4/20/2018	Be-7	-2.63E+01	6.25E+01	2.12E+02	U
SE	SL-3	448793002	4/20/2018	Ce-141	-2.16E+01	1.51E+01	4.45E+01	U
SE	SL-3	448793002	4/20/2018	Ce-144	5.95E+01	4.15E+01	1.47E+02	U
SE	SL-3	448793002	4/20/2018	Co-57	-4.50E+00	5.43E+00	1.80E+01	U
SE	SL-3	448793002	4/20/2018	Co-58	-2.47E+00	6.94E+00	2.22E+01	U
SE	SL-3	448793002	4/20/2018	Co-60	2.03E+01	9.68E+00	3.57E+01	U
SE	SL-3	448793002	4/20/2018	Cr-51	4.70E+01	6.60E+01	2.46E+02	U
SE	SL-3	448793002	4/20/2018	Cs-134	-6.67E-01	7.60E+00	2.52E+01	U
SE	SL-3	448793002	4/20/2018	Cs-137	1.99E+00	7.19E+00	2.51E+01	U
SE	SL-3	448793002	4/20/2018	Fe-59	-1.65E+01	1.74E+01	5.33E+01	U
SE	SL-3	448793002	4/20/2018	I-131	-6.04E+00	1.81E+01	6.37E+01	U
SE	SL-3	448793002	4/20/2018	K-40	5.78E+03	4.91E+02	2.83E+02	
SE	SL-3	448793002	4/20/2018	La-140	-9.17E+00	1.47E+01	4.37E+01	U
SE	SL-3	448793002	4/20/2018	Mn-54	1.32E+00	7.70E+00	2.61E+01	U
SE	SL-3	448793002	4/20/2018	Nb-95	-1.49E+00	8.79E+00	2.58E+01	U
SE	SL-3	448793002	4/20/2018	Ru-103	-6.81E+00	7.73E+00	2.47E+01	U
SE	SL-3	448793002	4/20/2018	Ru-106	-2.50E+02	9.03E+01	1.56E+02	U
SE	SL-3	448793002	4/20/2018	Sb-124	1.18E+01	1.85E+01	6.69E+01	U
SE	SL-3	448793002	4/20/2018	Sb-125	-1.48E-02	1.88E+01	5.98E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	SL-3	448793002	4/20/2018	Se-75	-1.28E+01	9.33E+00	3.03E+01	U
SE	SL-3	448793002	4/20/2018	Th-228	1.35E+02	2.61E+01	3.85E+01	
SE	SL-3	448793002	4/20/2018	Zn-65	2.79E+01	2.00E+01	7.05E+01	U
SE	SL-3	448793002	4/20/2018	Zr-95	-4.18E+00	1.50E+01	4.32E+01	U
SE	SL-2	462205001	10/18/2018	Ac-228	7.74E+01	8.57E+01	1.21E+02	U
SE	SL-2	462205001	10/18/2018	Ag-108m	1.84E+00	6.36E+00	2.26E+01	U
SE	SL-2	462205001	10/18/2018	Ag-110m	-2.82E+01	1.46E+01	2.70E+01	U
SE	SL-2	462205001	10/18/2018	Ba-140	1.23E+02	6.33E+01	1.53E+02	U
SE	SL-2	462205001	10/18/2018	Be-7	2.36E+02	1.00E+02	2.46E+02	U
SE	SL-2	462205001	10/18/2018	Ce-141	-2.08E+01	1.41E+01	4.24E+01	U
SE	SL-2	462205001	10/18/2018	Ce-144	-1.79E-01	4.59E+01	1.61E+02	U
SE	SL-2	462205001	10/18/2018	Co-57	1.45E+00	6.06E+00	2.16E+01	U
SE	SL-2	462205001	10/18/2018	Co-58	-7.60E+00	9.45E+00	2.77E+01	U
SE	SL-2	462205001	10/18/2018	Co-60	6.27E+00	1.08E+01	3.42E+01	U
SE	SL-2	462205001	10/18/2018	Cr-51	2.31E+02	1.43E+02	2.54E+02	U
SE	SL-2	462205001	10/18/2018	Cs-134	-1.20E+00	1.15E+01	3.72E+01	U
SE	SL-2	462205001	10/18/2018	Cs-137	5.73E+00	8.89E+00	3.11E+01	U
SE	SL-2	462205001	10/18/2018	Fe-59	-1.03E+01	1.96E+01	6.25E+01	U
SE	SL-2	462205001	10/18/2018	I-131	1.71E+01	1.74E+01	5.83E+01	U
SE	SL-2	462205001	10/18/2018	K-40	4.83E+03	4.67E+02	2.86E+02	
SE	SL-2	462205001	10/18/2018	La-140	1.98E+01	1.82E+01	6.54E+01	U
SE	SL-2	462205001	10/18/2018	Mn-54	6.00E-01	9.35E+00	3.07E+01	U
SE	SL-2	462205001	10/18/2018	Nb-95	2.45E+00	1.02E+01	3.07E+01	U
SE	SL-2	462205001	10/18/2018	Ru-103	9.07E+00	8.22E+00	2.98E+01	U
SE	SL-2	462205001	10/18/2018	Ru-106	-4.02E+01	7.58E+01	2.10E+02	U
SE	SL-2	462205001	10/18/2018	Sb-124	-4.20E+01	2.49E+01	4.75E+01	U
SE	SL-2	462205001	10/18/2018	Sb-125	3.81E+01	2.44E+01	8.77E+01	U
SE	SL-2	462205001	10/18/2018	Se-75	-1.42E+01	1.23E+01	3.23E+01	U
SE	SL-2	462205001	10/18/2018	Th-228	1.90E+02	4.19E+01	5.56E+01	
SE	SL-2	462205001	10/18/2018	Zn-65	-1.60E+01	2.01E+01	5.09E+01	U
SE	SL-2	462205001	10/18/2018	Zr-95	1.47E+01	1.44E+01	5.12E+01	U
SE	SL-3	462205002	10/18/2018	Ac-228	1.10E+02	6.51E+01	1.52E+02	U
SE	SL-3	462205002	10/18/2018	Ag-108m	3.58E+00	5.25E+00	1.91E+01	U
SE	SL-3	462205002	10/18/2018	Ag-110m	-1.21E+00	8.92E+00	3.12E+01	U
SE	SL-3	462205002	10/18/2018	Ba-140	5.87E+01	3.27E+01	1.19E+02	U
SE	SL-3	462205002	10/18/2018	Be-7	1.81E+02	9.14E+01	1.70E+02	UI
SE	SL-3	462205002	10/18/2018	Ce-141	1.94E+01	2.99E+01	3.49E+01	U
SE	SL-3	462205002	10/18/2018	Ce-144	4.23E+01	3.72E+01	1.32E+02	U
SE	SL-3	462205002	10/18/2018	Co-57	-4.67E+00	4.31E+00	1.55E+01	U
SE	SL-3	462205002	10/18/2018	Co-58	9.32E+00	7.02E+00	2.63E+01	U
SE	SL-3	462205002	10/18/2018	Co-60	-3.52E+00	8.41E+00	2.71E+01	U
SE	SL-3	462205002	10/18/2018	Cr-51	5.00E+01	6.20E+01	2.29E+02	U
SE	SL-3	462205002	10/18/2018	Cs-134	5.20E+00	9.09E+00	3.14E+01	U
SE	SL-3	462205002	10/18/2018	Cs-137	1.41E+00	8.54E+00	2.82E+01	U
SE	SL-3	462205002	10/18/2018	Fe-59	8.96E+00	1.53E+01	5.50E+01	U
SE	SL-3	462205002	10/18/2018	I-131	1.68E+01	1.39E+01	5.09E+01	U
SE	SL-3	462205002	10/18/2018	K-40	5.31E+03	4.31E+02	2.62E+02	
SE	SL-3	462205002	10/18/2018	La-140	5.83E+00	1.03E+01	3.69E+01	U
SE	SL-3	462205002	10/18/2018	Mn-54	-4.09E-01	6.79E+00	2.40E+01	U
SE	SL-3	462205002	10/18/2018	Nb-95	4.05E+00	7.62E+00	2.64E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	SL-3	462205002	10/18/2018	Ru-103	-5.11E+00	6.56E+00	2.11E+01	U
SE	SL-3	462205002	10/18/2018	Ru-106	-1.42E+02	7.38E+01	1.84E+02	U
SE	SL-3	462205002	10/18/2018	Sb-124	-2.49E+01	1.59E+01	3.20E+01	U
SE	SL-3	462205002	10/18/2018	Sb-125	-2.54E-01	1.70E+01	6.00E+01	U
SE	SL-3	462205002	10/18/2018	Se-75	-8.17E+00	8.50E+00	2.54E+01	U
SE	SL-3	462205002	10/18/2018	Th-228	9.92E+01	3.13E+01	4.14E+01	
SE	SL-3	462205002	10/18/2018	Zn-65	3.31E+01	2.15E+01	7.14E+01	U
SE	SL-3	462205002	10/18/2018	Zr-95	6.24E+00	1.25E+01	4.33E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	ONS-G	457875004	8/20/2018	Ac-228	4.22E+01	3.38E+01	5.92E+01	U
TF	ONS-G	457875004	8/20/2018	Ag-108m	4.08E+00	3.11E+00	1.06E+01	U
TF	ONS-G	457875004	8/20/2018	Ag-110m	-7.41E+00	4.72E+00	1.21E+01	U
TF	ONS-G	457875004	8/20/2018	Ba-140	8.53E+00	1.68E+01	5.72E+01	U
TF	ONS-G	457875004	8/20/2018	Be-7	1.60E+02	5.03E+01	1.31E+02	UI
TF	ONS-G	457875004	8/20/2018	Ce-141	1.68E+00	7.96E+00	1.31E+01	U
TF	ONS-G	457875004	8/20/2018	Ce-144	-7.53E+00	1.43E+01	4.68E+01	U
TF	ONS-G	457875004	8/20/2018	Co-57	3.46E-01	1.84E+00	6.23E+00	U
TF	ONS-G	457875004	8/20/2018	Co-58	7.45E-01	4.10E+00	1.34E+01	U
TF	ONS-G	457875004	8/20/2018	Co-60	-3.60E+00	4.10E+00	1.24E+01	U
TF	ONS-G	457875004	8/20/2018	Cr-51	-4.30E+01	3.20E+01	8.93E+01	U
TF	ONS-G	457875004	8/20/2018	Cs-134	-3.09E+00	5.47E+00	1.29E+01	U
TF	ONS-G	457875004	8/20/2018	Cs-137	2.30E+00	3.88E+00	1.30E+01	U
TF	ONS-G	457875004	8/20/2018	Fe-59	-6.61E+00	8.22E+00	2.60E+01	U
TF	ONS-G	457875004	8/20/2018	I-131	3.84E+00	6.01E+00	1.91E+01	U
TF	ONS-G	457875004	8/20/2018	K-40	1.50E+03	1.49E+02	1.21E+02	
TF	ONS-G	457875004	8/20/2018	La-140	-1.27E+00	5.37E+00	1.70E+01	U
TF	ONS-G	457875004	8/20/2018	Mn-54	-1.70E-01	3.46E+00	1.11E+01	U
TF	ONS-G	457875004	8/20/2018	Nb-95	-2.46E+00	3.58E+00	1.10E+01	U
TF	ONS-G	457875004	8/20/2018	Ru-103	1.25E+00	3.23E+00	1.10E+01	U
TF	ONS-G	457875004	8/20/2018	Ru-106	5.40E+00	3.49E+01	1.16E+02	U
TF	ONS-G	457875004	8/20/2018	Sb-124	3.00E+00	8.49E+00	2.84E+01	U
TF	ONS-G	457875004	8/20/2018	Sb-125	-1.04E+01	1.23E+01	2.95E+01	U
TF	ONS-G	457875004	8/20/2018	Se-75	6.11E+00	4.20E+00	1.34E+01	U
TF	ONS-G	457875004	8/20/2018	Th-228	-5.80E+00	8.51E+00	1.93E+01	U
TF	ONS-G	457875004	8/20/2018	Zn-65	1.06E+00	8.04E+00	2.73E+01	U
TF	ONS-G	457875004	8/20/2018	Zr-95	1.04E+01	6.33E+00	2.11E+01	U
TF	ONS-G	457875008	8/20/2018	Ac-228	-3.53E+01	1.81E+01	4.36E+01	U
TF	ONS-G	457875008	8/20/2018	Ag-108m	-2.66E+00	2.32E+00	6.81E+00	U
TF	ONS-G	457875008	8/20/2018	Ag-110m	1.11E+00	4.17E+00	1.41E+01	U
TF	ONS-G	457875008	8/20/2018	Ba-140	1.29E+01	1.42E+01	4.70E+01	U
TF	ONS-G	457875008	8/20/2018	Be-7	6.21E+01	4.91E+01	7.87E+01	U
TF	ONS-G	457875008	8/20/2018	Ce-141	-1.99E+01	7.44E+00	1.38E+01	U
TF	ONS-G	457875008	8/20/2018	Ce-144	-5.81E+00	1.77E+01	5.02E+01	U
TF	ONS-G	457875008	8/20/2018	Co-57	-1.25E+00	2.22E+00	6.76E+00	U
TF	ONS-G	457875008	8/20/2018	Co-58	-7.89E+00	3.30E+00	7.29E+00	U
TF	ONS-G	457875008	8/20/2018	Co-60	1.45E+00	3.53E+00	1.18E+01	U
TF	ONS-G	457875008	8/20/2018	Cr-51	-2.28E+01	2.43E+01	7.54E+01	U
TF	ONS-G	457875008	8/20/2018	Cs-134	-3.27E+00	3.54E+00	1.10E+01	U
TF	ONS-G	457875008	8/20/2018	Cs-137	4.34E+00	3.14E+00	9.53E+00	U
TF	ONS-G	457875008	8/20/2018	Fe-59	1.79E+00	7.71E+00	2.57E+01	U
TF	ONS-G	457875008	8/20/2018	I-131	5.54E-01	4.53E+00	1.50E+01	U
TF	ONS-G	457875008	8/20/2018	K-40	4.34E+03	2.91E+02	9.03E+01	
TF	ONS-G	457875008	8/20/2018	La-140	5.57E+00	4.61E+00	1.67E+01	U
TF	ONS-G	457875008	8/20/2018	Mn-54	-4.39E+00	3.14E+00	1.08E+01	U
TF	ONS-G	457875008	8/20/2018	Nb-95	-6.49E-01	2.94E+00	9.78E+00	U
TF	ONS-G	457875008	8/20/2018	Ru-103	4.92E+00	2.97E+00	9.73E+00	U
TF	ONS-G	457875008	8/20/2018	Ru-106	3.22E+01	2.80E+01	9.18E+01	U
TF	ONS-G	457875008	8/20/2018	Sb-124	2.25E+00	6.86E+00	2.37E+01	U
TF	ONS-G	457875008	8/20/2018	Sb-125	-4.79E-01	7.68E+00	2.52E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	ONS-G	457875008	8/20/2018	Se-75	-1.45E+00	3.24E+00	1.07E+01	U
TF	ONS-G	457875008	8/20/2018	Th-228	5.45E-02	9.68E+00	1.55E+01	U
TF	ONS-G	457875008	8/20/2018	Zn-65	-9.14E-01	7.64E+00	2.49E+01	U
TF	ONS-G	457875008	8/20/2018	Zr-95	-8.26E+00	5.64E+00	1.63E+01	U
TF	OFS1-G	457875009	8/20/2018	Ac-228	1.49E+02	6.45E+01	1.25E+02	UI
TF	OFS1-G	457875009	8/20/2018	Ag-108m	4.88E+00	5.69E+00	1.94E+01	U
TF	OFS1-G	457875009	8/20/2018	Ag-110m	7.39E+00	1.08E+01	3.59E+01	U
TF	OFS1-G	457875009	8/20/2018	Ba-140	-1.48E+01	3.98E+01	1.27E+02	U
TF	OFS1-G	457875009	8/20/2018	Be-7	1.62E+03	1.57E+02	1.96E+02	
TF	OFS1-G	457875009	8/20/2018	Ce-141	1.88E+00	2.36E+01	3.76E+01	U
TF	OFS1-G	457875009	8/20/2018	Ce-144	-6.54E+00	4.33E+01	1.48E+02	U
TF	OFS1-G	457875009	8/20/2018	Co-57	-1.66E+00	5.71E+00	1.94E+01	U
TF	OFS1-G	457875009	8/20/2018	Co-58	6.16E+00	8.07E+00	2.70E+01	U
TF	OFS1-G	457875009	8/20/2018	Co-60	2.28E+01	1.03E+01	3.08E+01	U
TF	OFS1-G	457875009	8/20/2018	Cr-51	2.45E+01	6.19E+01	2.10E+02	U
TF	OFS1-G	457875009	8/20/2018	Cs-134	8.91E+00	9.04E+00	3.04E+01	U
TF	OFS1-G	457875009	8/20/2018	Cs-137	2.40E+01	1.18E+01	2.67E+01	U
TF	OFS1-G	457875009	8/20/2018	Fe-59	2.13E+01	1.64E+01	5.83E+01	U
TF	OFS1-G	457875009	8/20/2018	I-131	-4.19E+00	1.28E+01	4.19E+01	U
TF	OFS1-G	457875009	8/20/2018	K-40	1.49E+03	2.41E+02	2.15E+02	
TF	OFS1-G	457875009	8/20/2018	La-140	7.97E+00	1.17E+01	4.17E+01	U
TF	OFS1-G	457875009	8/20/2018	Mn-54	7.85E+00	7.32E+00	2.48E+01	U
TF	OFS1-G	457875009	8/20/2018	Nb-95	-1.37E+01	1.06E+01	2.58E+01	U
TF	OFS1-G	457875009	8/20/2018	Ru-103	1.61E+01	9.05E+00	2.97E+01	U
TF	OFS1-G	457875009	8/20/2018	Ru-106	1.54E+02	1.14E+02	2.09E+02	U
TF	OFS1-G	457875009	8/20/2018	Sb-124	-1.19E+01	1.67E+01	4.94E+01	U
TF	OFS1-G	457875009	8/20/2018	Sb-125	2.03E+01	2.07E+01	6.98E+01	U
TF	OFS1-G	457875009	8/20/2018	Se-75	1.15E+01	9.41E+00	3.18E+01	U
TF	OFS1-G	457875009	8/20/2018	Th-228	5.01E+01	2.52E+01	5.43E+01	U
TF	OFS1-G	457875009	8/20/2018	Zn-65	3.29E-01	1.76E+01	5.98E+01	U
TF	OFS1-G	457875009	8/20/2018	Zr-95	2.11E+01	1.38E+01	4.66E+01	U
TF	OFS2-G	459934001	9/20/2018	Ac-228	1.18E+01	1.15E+01	4.02E+01	U
TF	OFS2-G	459934001	9/20/2018	Ag-108m	-1.52E+00	2.45E+00	7.52E+00	U
TF	OFS2-G	459934001	9/20/2018	Ag-110m	6.17E+00	4.33E+00	1.52E+01	U
TF	OFS2-G	459934001	9/20/2018	Ba-140	-8.13E+00	1.62E+01	4.33E+01	U
TF	OFS2-G	459934001	9/20/2018	Be-7	8.06E+01	3.90E+01	6.08E+01	UI
TF	OFS2-G	459934001	9/20/2018	Ce-141	-5.69E+00	4.78E+00	1.51E+01	U
TF	OFS2-G	459934001	9/20/2018	Ce-144	-5.85E+00	1.69E+01	5.20E+01	U
TF	OFS2-G	459934001	9/20/2018	Co-57	-3.88E+00	2.47E+00	6.67E+00	U
TF	OFS2-G	459934001	9/20/2018	Co-58	1.84E+00	2.65E+00	9.28E+00	U
TF	OFS2-G	459934001	9/20/2018	Co-60	-8.25E-01	3.56E+00	1.11E+01	U
TF	OFS2-G	459934001	9/20/2018	Cr-51	1.19E+01	2.49E+01	8.42E+01	U
TF	OFS2-G	459934001	9/20/2018	Cs-134	5.19E+00	3.58E+00	1.25E+01	U
TF	OFS2-G	459934001	9/20/2018	Cs-137	5.88E+00	3.21E+00	1.12E+01	U
TF	OFS2-G	459934001	9/20/2018	Fe-59	-6.30E+00	4.92E+00	1.21E+01	U
TF	OFS2-G	459934001	9/20/2018	I-131	2.80E+00	5.02E+00	1.69E+01	U
TF	OFS2-G	459934001	9/20/2018	K-40	2.54E+03	1.93E+02	7.56E+01	
TF	OFS2-G	459934001	9/20/2018	La-140	7.02E+00	4.27E+00	1.64E+01	U
TF	OFS2-G	459934001	9/20/2018	Mn-54	-4.91E+00	2.86E+00	7.09E+00	U
TF	OFS2-G	459934001	9/20/2018	Nb-95	-1.91E+00	2.66E+00	8.21E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	OFS2-G	459934001	9/20/2018	Ru-103	-4.64E+00	3.06E+00	8.01E+00	U
TF	OFS2-G	459934001	9/20/2018	Ru-106	4.84E+01	5.13E+01	7.82E+01	U
TF	OFS2-G	459934001	9/20/2018	Sb-124	-2.86E+00	5.78E+00	1.74E+01	U
TF	OFS2-G	459934001	9/20/2018	Sb-125	-1.32E+01	7.88E+00	2.05E+01	U
TF	OFS2-G	459934001	9/20/2018	Se-75	5.60E+00	3.45E+00	1.17E+01	U
TF	OFS2-G	459934001	9/20/2018	Th-228	4.53E+00	7.50E+00	1.81E+01	U
TF	OFS2-G	459934001	9/20/2018	Zn-65	1.29E+01	7.96E+00	2.59E+01	U
TF	OFS2-G	459934001	9/20/2018	Zr-95	5.04E+00	5.08E+00	1.80E+01	U
TF	ONS-G	459934002	9/20/2018	Ac-228	-7.07E-01	1.41E+01	4.42E+01	U
TF	ONS-G	459934002	9/20/2018	Ag-108m	-2.34E-02	2.66E+00	8.71E+00	U
TF	ONS-G	459934002	9/20/2018	Ag-110m	8.63E+00	4.45E+00	1.58E+01	U
TF	ONS-G	459934002	9/20/2018	Ba-140	-1.39E+01	1.73E+01	5.16E+01	U
TF	ONS-G	459934002	9/20/2018	Be-7	6.86E+01	3.69E+01	1.02E+02	U
TF	ONS-G	459934002	9/20/2018	Ce-141	-5.77E+00	5.32E+00	1.47E+01	U
TF	ONS-G	459934002	9/20/2018	Ce-144	-7.79E+00	1.59E+01	5.31E+01	U
TF	ONS-G	459934002	9/20/2018	Co-57	-1.02E+00	2.03E+00	6.79E+00	U
TF	ONS-G	459934002	9/20/2018	Co-58	-1.93E+00	2.47E+00	7.57E+00	U
TF	ONS-G	459934002	9/20/2018	Co-60	7.26E+00	3.71E+00	1.35E+01	U
TF	ONS-G	459934002	9/20/2018	Cr-51	2.62E+01	4.21E+01	8.59E+01	U
TF	ONS-G	459934002	9/20/2018	Cs-134	6.74E+00	3.74E+00	1.22E+01	U
TF	ONS-G	459934002	9/20/2018	Cs-137	4.20E-01	3.58E+00	1.16E+01	U
TF	ONS-G	459934002	9/20/2018	Fe-59	-1.90E+00	6.42E+00	2.08E+01	U
TF	ONS-G	459934002	9/20/2018	I-131	-3.23E+00	4.60E+00	1.42E+01	U
TF	ONS-G	459934002	9/20/2018	K-40	2.30E+03	1.76E+02	8.47E+01	
TF	ONS-G	459934002	9/20/2018	La-140	-5.77E+00	6.27E+00	1.76E+01	U
TF	ONS-G	459934002	9/20/2018	Mn-54	2.90E+00	2.68E+00	9.69E+00	U
TF	ONS-G	459934002	9/20/2018	Nb-95	-5.27E+00	4.34E+00	1.06E+01	U
TF	ONS-G	459934002	9/20/2018	Ru-103	-2.37E+00	3.28E+00	9.94E+00	U
TF	ONS-G	459934002	9/20/2018	Ru-106	3.36E+01	2.95E+01	1.00E+02	U
TF	ONS-G	459934002	9/20/2018	Sb-124	-1.21E+01	9.17E+00	2.26E+01	U
TF	ONS-G	459934002	9/20/2018	Sb-125	3.47E+00	8.14E+00	2.73E+01	U
TF	ONS-G	459934002	9/20/2018	Se-75	5.75E-03	3.35E+00	1.12E+01	U
TF	ONS-G	459934002	9/20/2018	Th-228	-9.21E+00	6.37E+00	1.90E+01	U
TF	ONS-G	459934002	9/20/2018	Zn-65	6.51E+00	7.50E+00	2.42E+01	U
TF	ONS-G	459934002	9/20/2018	Zr-95	7.49E-01	6.14E+00	1.97E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	451844001	6/4/2018	Ac-228	9.76E+00	4.50E+01	9.10E+01	U
TV	ONS4-V	451844001	6/4/2018	Ag-108m	-1.53E-01	4.25E+00	1.41E+01	U
TV	ONS4-V	451844001	6/4/2018	Ag-110m	-3.72E+00	7.31E+00	2.25E+01	U
TV	ONS4-V	451844001	6/4/2018	Ba-140	-1.51E+01	2.18E+01	6.82E+01	U
TV	ONS4-V	451844001	6/4/2018	Be-7	6.57E+02	9.44E+01	1.45E+02	
TV	ONS4-V	451844001	6/4/2018	Ce-141	-1.06E+01	8.12E+00	2.57E+01	U
TV	ONS4-V	451844001	6/4/2018	Ce-144	-2.98E+01	2.92E+01	9.51E+01	U
TV	ONS4-V	451844001	6/4/2018	Co-57	-2.30E+00	3.90E+00	1.31E+01	U
TV	ONS4-V	451844001	6/4/2018	Co-58	9.29E-01	4.83E+00	1.58E+01	U
TV	ONS4-V	451844001	6/4/2018	Co-60	3.55E+00	6.02E+00	2.10E+01	U
TV	ONS4-V	451844001	6/4/2018	Cr-51	-2.13E+01	4.31E+01	1.41E+02	U
TV	ONS4-V	451844001	6/4/2018	Cs-134	-2.03E+00	5.54E+00	1.74E+01	U
TV	ONS4-V	451844001	6/4/2018	Cs-137	5.56E-01	5.30E+00	1.74E+01	U
TV	ONS4-V	451844001	6/4/2018	Fe-59	3.89E+00	1.09E+01	3.54E+01	U
TV	ONS4-V	451844001	6/4/2018	I-131	6.11E+00	8.09E+00	2.73E+01	U
TV	ONS4-V	451844001	6/4/2018	K-40	4.69E+03	3.49E+02	1.65E+02	
TV	ONS4-V	451844001	6/4/2018	La-140	1.26E+00	7.55E+00	2.56E+01	U
TV	ONS4-V	451844001	6/4/2018	Mn-54	4.34E-01	5.42E+00	1.76E+01	U
TV	ONS4-V	451844001	6/4/2018	Nb-95	-9.24E-01	5.26E+00	1.68E+01	U
TV	ONS4-V	451844001	6/4/2018	Ru-103	8.96E+00	5.46E+00	1.79E+01	U
TV	ONS4-V	451844001	6/4/2018	Ru-106	1.74E+01	4.90E+01	1.46E+02	U
TV	ONS4-V	451844001	6/4/2018	Sb-124	-2.15E+01	1.31E+01	3.30E+01	U
TV	ONS4-V	451844001	6/4/2018	Sb-125	3.50E+00	1.46E+01	4.86E+01	U
TV	ONS4-V	451844001	6/4/2018	Se-75	-8.24E+00	6.72E+00	2.09E+01	U
TV	ONS4-V	451844001	6/4/2018	Th-228	4.35E+00	1.30E+01	3.54E+01	U
TV	ONS4-V	451844001	6/4/2018	Zn-65	1.27E+01	1.33E+01	4.39E+01	U
TV	ONS4-V	451844001	6/4/2018	Zr-95	4.45E-01	8.47E+00	2.75E+01	U
TV	ONS4-V	451844002	6/4/2018	Ac-228	-8.74E+00	1.58E+01	4.25E+01	U
TV	ONS4-V	451844002	6/4/2018	Ag-108m	-7.71E-01	2.21E+00	7.28E+00	U
TV	ONS4-V	451844002	6/4/2018	Ag-110m	-6.14E+00	4.07E+00	1.18E+01	U
TV	ONS4-V	451844002	6/4/2018	Ba-140	5.72E+00	1.22E+01	4.09E+01	U
TV	ONS4-V	451844002	6/4/2018	Be-7	1.20E+03	8.19E+01	6.47E+01	
TV	ONS4-V	451844002	6/4/2018	Ce-141	-1.92E+00	3.56E+00	1.13E+01	U
TV	ONS4-V	451844002	6/4/2018	Ce-144	-2.03E+01	1.47E+01	4.37E+01	U
TV	ONS4-V	451844002	6/4/2018	Co-57	-2.21E+00	1.87E+00	5.71E+00	U
TV	ONS4-V	451844002	6/4/2018	Co-58	-5.12E-02	2.74E+00	8.72E+00	U
TV	ONS4-V	451844002	6/4/2018	Co-60	-4.05E+00	3.33E+00	9.42E+00	U
TV	ONS4-V	451844002	6/4/2018	Cr-51	1.04E+01	2.16E+01	7.47E+01	U
TV	ONS4-V	451844002	6/4/2018	Cs-134	3.60E+00	3.33E+00	1.10E+01	U
TV	ONS4-V	451844002	6/4/2018	Cs-137	2.65E+00	2.77E+00	9.25E+00	U
TV	ONS4-V	451844002	6/4/2018	Fe-59	1.62E+00	6.36E+00	2.15E+01	U
TV	ONS4-V	451844002	6/4/2018	I-131	2.98E+00	4.01E+00	1.37E+01	U
TV	ONS4-V	451844002	6/4/2018	K-40	3.77E+03	2.47E+02	8.91E+01	
TV	ONS4-V	451844002	6/4/2018	La-140	-3.31E+00	4.38E+00	1.28E+01	U
TV	ONS4-V	451844002	6/4/2018	Mn-54	2.22E+00	2.80E+00	9.19E+00	U
TV	ONS4-V	451844002	6/4/2018	Nb-95	-1.25E-01	2.72E+00	8.69E+00	U
TV	ONS4-V	451844002	6/4/2018	Ru-103	-1.58E-02	2.67E+00	8.87E+00	U
TV	ONS4-V	451844002	6/4/2018	Ru-106	1.34E+01	2.40E+01	8.00E+01	U
TV	ONS4-V	451844002	6/4/2018	Sb-124	-8.29E-01	6.63E+00	2.10E+01	U
TV	ONS4-V	451844002	6/4/2018	Sb-125	-4.76E+00	7.06E+00	2.28E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	451844002	6/4/2018	Se-75	-2.94E+00	3.60E+00	1.07E+01	U
TV	ONS4-V	451844002	6/4/2018	Th-228	-1.27E+01	7.24E+00	1.52E+01	U
TV	ONS4-V	451844002	6/4/2018	Zn-65	1.18E+01	7.80E+00	2.50E+01	U
TV	ONS4-V	451844002	6/4/2018	Zr-95	-1.15E+00	5.48E+00	1.74E+01	U
TV	ONS4-V	451844003	6/4/2018	Ac-228	2.19E+01	4.46E+01	9.18E+01	U
TV	ONS4-V	451844003	6/4/2018	Ag-108m	7.51E+00	8.58E+00	1.31E+01	U
TV	ONS4-V	451844003	6/4/2018	Ag-110m	1.57E+00	6.58E+00	2.25E+01	U
TV	ONS4-V	451844003	6/4/2018	Ba-140	4.92E+00	2.17E+01	7.15E+01	U
TV	ONS4-V	451844003	6/4/2018	Be-7	3.85E+02	9.22E+01	1.35E+02	
TV	ONS4-V	451844003	6/4/2018	Ce-141	-1.75E+00	7.04E+00	2.23E+01	U
TV	ONS4-V	451844003	6/4/2018	Ce-144	-4.81E+01	2.96E+01	8.29E+01	U
TV	ONS4-V	451844003	6/4/2018	Co-57	3.21E+00	4.75E+00	1.02E+01	U
TV	ONS4-V	451844003	6/4/2018	Co-58	-7.52E+00	4.80E+00	1.36E+01	U
TV	ONS4-V	451844003	6/4/2018	Co-60	-1.44E+00	6.14E+00	1.97E+01	U
TV	ONS4-V	451844003	6/4/2018	Cr-51	-2.32E+01	4.03E+01	1.32E+02	U
TV	ONS4-V	451844003	6/4/2018	Cs-134	1.32E+01	6.69E+00	2.22E+01	U
TV	ONS4-V	451844003	6/4/2018	Cs-137	2.35E+00	5.59E+00	1.82E+01	U
TV	ONS4-V	451844003	6/4/2018	Fe-59	1.62E+01	1.14E+01	3.88E+01	U
TV	ONS4-V	451844003	6/4/2018	I-131	8.70E-01	6.85E+00	2.30E+01	U
TV	ONS4-V	451844003	6/4/2018	K-40	4.93E+03	3.28E+02	1.81E+02	
TV	ONS4-V	451844003	6/4/2018	La-140	5.90E+00	8.16E+00	2.75E+01	U
TV	ONS4-V	451844003	6/4/2018	Mn-54	-2.74E+00	5.30E+00	1.74E+01	U
TV	ONS4-V	451844003	6/4/2018	Nb-95	3.69E+00	5.53E+00	1.80E+01	U
TV	ONS4-V	451844003	6/4/2018	Ru-103	4.16E+00	5.02E+00	1.68E+01	U
TV	ONS4-V	451844003	6/4/2018	Ru-106	8.99E+01	5.06E+01	1.63E+02	U
TV	ONS4-V	451844003	6/4/2018	Sb-124	-9.84E+00	1.16E+01	3.52E+01	U
TV	ONS4-V	451844003	6/4/2018	Sb-125	1.71E+01	1.45E+01	4.41E+01	U
TV	ONS4-V	451844003	6/4/2018	Se-75	-8.84E+00	6.00E+00	1.83E+01	U
TV	ONS4-V	451844003	6/4/2018	Th-228	5.04E+01	2.28E+01	3.35E+01	UI
TV	ONS4-V	451844003	6/4/2018	Zn-65	1.59E+00	1.29E+01	4.29E+01	U
TV	ONS4-V	451844003	6/4/2018	Zr-95	3.46E+01	1.70E+01	2.67E+01	UI
TV	ONS2-V	451844004	6/4/2018	Ac-228	1.60E+00	3.50E+01	6.24E+01	U
TV	ONS2-V	451844004	6/4/2018	Ag-108m	6.20E-01	2.71E+00	9.16E+00	U
TV	ONS2-V	451844004	6/4/2018	Ag-110m	8.58E+00	5.32E+00	1.74E+01	U
TV	ONS2-V	451844004	6/4/2018	Ba-140	-3.56E+00	1.66E+01	4.81E+01	U
TV	ONS2-V	451844004	6/4/2018	Be-7	6.31E+02	7.59E+01	1.04E+02	
TV	ONS2-V	451844004	6/4/2018	Ce-141	-2.78E+01	9.53E+00	1.61E+01	U
TV	ONS2-V	451844004	6/4/2018	Ce-144	9.93E+00	1.89E+01	6.19E+01	U
TV	ONS2-V	451844004	6/4/2018	Co-57	3.60E-01	2.67E+00	8.08E+00	U
TV	ONS2-V	451844004	6/4/2018	Co-58	3.19E+00	3.75E+00	1.23E+01	U
TV	ONS2-V	451844004	6/4/2018	Co-60	2.33E+00	3.99E+00	1.36E+01	U
TV	ONS2-V	451844004	6/4/2018	Cr-51	2.33E+01	2.80E+01	9.65E+01	U
TV	ONS2-V	451844004	6/4/2018	Cs-134	5.23E+00	4.32E+00	1.42E+01	U
TV	ONS2-V	451844004	6/4/2018	Cs-137	1.48E-01	7.26E+00	1.19E+01	U
TV	ONS2-V	451844004	6/4/2018	Fe-59	2.93E+00	7.45E+00	2.55E+01	U
TV	ONS2-V	451844004	6/4/2018	I-131	5.57E+00	4.93E+00	1.68E+01	U
TV	ONS2-V	451844004	6/4/2018	K-40	4.08E+03	2.67E+02	1.11E+02	
TV	ONS2-V	451844004	6/4/2018	La-140	7.18E+00	6.83E+00	1.77E+01	U
TV	ONS2-V	451844004	6/4/2018	Mn-54	5.65E+00	3.54E+00	1.16E+01	U
TV	ONS2-V	451844004	6/4/2018	Nb-95	-5.08E-01	3.91E+00	1.25E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS2-V	451844004	6/4/2018	Ru-103	-1.45E+00	3.26E+00	1.05E+01	U
TV	ONS2-V	451844004	6/4/2018	Ru-106	-1.54E+01	3.24E+01	1.03E+02	U
TV	ONS2-V	451844004	6/4/2018	Sb-124	1.15E+01	7.87E+00	2.78E+01	U
TV	ONS2-V	451844004	6/4/2018	Sb-125	-9.41E-01	8.70E+00	2.90E+01	U
TV	ONS2-V	451844004	6/4/2018	Se-75	-5.70E+00	5.16E+00	1.35E+01	U
TV	ONS2-V	451844004	6/4/2018	Th-228	1.67E+01	1.24E+01	2.61E+01	U
TV	ONS2-V	451844004	6/4/2018	Zn-65	-1.76E+00	8.90E+00	2.95E+01	U
TV	ONS2-V	451844004	6/4/2018	Zr-95	4.97E+00	6.16E+00	2.04E+01	U
TV	ONS2-V	451844005	6/4/2018	Ac-228	-1.63E+01	2.22E+01	5.66E+01	U
TV	ONS2-V	451844005	6/4/2018	Ag-108m	1.69E+00	3.35E+00	1.09E+01	U
TV	ONS2-V	451844005	6/4/2018	Ag-110m	1.08E+00	5.05E+00	1.71E+01	U
TV	ONS2-V	451844005	6/4/2018	Ba-140	-2.19E+01	1.92E+01	5.56E+01	U
TV	ONS2-V	451844005	6/4/2018	Be-7	9.55E+02	9.91E+01	1.00E+02	
TV	ONS2-V	451844005	6/4/2018	Ce-141	1.37E+01	1.28E+01	1.87E+01	U
TV	ONS2-V	451844005	6/4/2018	Ce-144	1.77E+00	3.20E+01	7.88E+01	U
TV	ONS2-V	451844005	6/4/2018	Co-57	-4.24E-01	3.04E+00	1.02E+01	U
TV	ONS2-V	451844005	6/4/2018	Co-58	-5.18E+00	3.71E+00	1.08E+01	U
TV	ONS2-V	451844005	6/4/2018	Co-60	-4.62E+00	3.90E+00	1.10E+01	U
TV	ONS2-V	451844005	6/4/2018	Cr-51	-3.17E+00	3.44E+01	9.94E+01	U
TV	ONS2-V	451844005	6/4/2018	Cs-134	-3.72E+00	4.33E+00	1.36E+01	U
TV	ONS2-V	451844005	6/4/2018	Cs-137	1.05E+01	8.95E+00	1.36E+01	U
TV	ONS2-V	451844005	6/4/2018	Fe-59	-3.20E-01	6.61E+00	2.18E+01	U
TV	ONS2-V	451844005	6/4/2018	I-131	3.89E-01	5.28E+00	1.72E+01	U
TV	ONS2-V	451844005	6/4/2018	K-40	2.31E+03	1.81E+02	1.33E+02	
TV	ONS2-V	451844005	6/4/2018	La-140	-8.14E+00	6.81E+00	1.91E+01	U
TV	ONS2-V	451844005	6/4/2018	Mn-54	4.21E+00	3.90E+00	1.33E+01	U
TV	ONS2-V	451844005	6/4/2018	Nb-95	6.02E-01	3.82E+00	1.30E+01	U
TV	ONS2-V	451844005	6/4/2018	Ru-103	2.93E+00	3.63E+00	1.19E+01	U
TV	ONS2-V	451844005	6/4/2018	Ru-106	-3.35E+01	3.33E+01	1.05E+02	U
TV	ONS2-V	451844005	6/4/2018	Sb-124	1.31E+00	7.54E+00	2.48E+01	U
TV	ONS2-V	451844005	6/4/2018	Sb-125	-1.94E+00	1.03E+01	3.29E+01	U
TV	ONS2-V	451844005	6/4/2018	Se-75	-3.76E-01	4.50E+00	1.47E+01	U
TV	ONS2-V	451844005	6/4/2018	Th-228	1.58E+01	1.30E+01	2.42E+01	U
TV	ONS2-V	451844005	6/4/2018	Zn-65	4.38E+00	8.74E+00	2.96E+01	U
TV	ONS2-V	451844005	6/4/2018	Zr-95	-1.34E+01	7.56E+00	2.10E+01	U
TV	ONS2-V	451844006	6/4/2018	Ac-228	-1.28E+01	1.54E+01	3.96E+01	U
TV	ONS2-V	451844006	6/4/2018	Ag-108m	5.44E-01	2.49E+00	7.59E+00	U
TV	ONS2-V	451844006	6/4/2018	Ag-110m	-7.29E-01	4.06E+00	1.28E+01	U
TV	ONS2-V	451844006	6/4/2018	Ba-140	8.60E+00	1.19E+01	4.03E+01	U
TV	ONS2-V	451844006	6/4/2018	Be-7	1.53E+03	9.78E+01	7.94E+01	
TV	ONS2-V	451844006	6/4/2018	Ce-141	1.71E+00	7.81E+00	1.31E+01	U
TV	ONS2-V	451844006	6/4/2018	Ce-144	-1.63E+01	1.53E+01	4.64E+01	U
TV	ONS2-V	451844006	6/4/2018	Co-57	3.36E-01	2.01E+00	6.60E+00	U
TV	ONS2-V	451844006	6/4/2018	Co-58	3.37E+00	3.00E+00	9.14E+00	U
TV	ONS2-V	451844006	6/4/2018	Co-60	-2.29E+00	3.10E+00	9.57E+00	U
TV	ONS2-V	451844006	6/4/2018	Cr-51	-1.99E+01	2.38E+01	7.77E+01	U
TV	ONS2-V	451844006	6/4/2018	Cs-134	3.21E-01	3.13E+00	1.02E+01	U
TV	ONS2-V	451844006	6/4/2018	Cs-137	4.67E+00	3.32E+00	1.10E+01	U
TV	ONS2-V	451844006	6/4/2018	Fe-59	-3.53E+00	6.37E+00	2.06E+01	U
TV	ONS2-V	451844006	6/4/2018	I-131	6.52E+00	4.31E+00	1.44E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS2-V	451844006	6/4/2018	K-40	4.92E+03	2.84E+02	9.79E+01	
TV	ONS2-V	451844006	6/4/2018	La-140	-1.58E+00	3.60E+00	1.12E+01	U
TV	ONS2-V	451844006	6/4/2018	Mn-54	2.02E+00	3.31E+00	1.09E+01	U
TV	ONS2-V	451844006	6/4/2018	Nb-95	4.59E+00	3.00E+00	9.88E+00	U
TV	ONS2-V	451844006	6/4/2018	Ru-103	-5.77E+00	3.09E+00	8.41E+00	U
TV	ONS2-V	451844006	6/4/2018	Ru-106	5.38E+01	2.69E+01	8.67E+01	U
TV	ONS2-V	451844006	6/4/2018	Sb-124	-1.01E+00	5.02E+00	1.59E+01	U
TV	ONS2-V	451844006	6/4/2018	Sb-125	-2.12E+00	6.59E+00	2.18E+01	U
TV	ONS2-V	451844006	6/4/2018	Se-75	-3.26E+00	3.72E+00	1.10E+01	U
TV	ONS2-V	451844006	6/4/2018	Th-228	3.34E+01	1.68E+01	1.87E+01	UI
TV	ONS2-V	451844006	6/4/2018	Zn-65	-5.13E+00	7.63E+00	2.11E+01	U
TV	ONS2-V	451844006	6/4/2018	Zr-95	9.26E+00	7.00E+00	1.57E+01	U
TV	OFS1-V	451844007	6/4/2018	Ac-228	2.89E+00	2.85E+01	5.59E+01	U
TV	OFS1-V	451844007	6/4/2018	Ag-108m	2.76E-01	2.61E+00	8.69E+00	U
TV	OFS1-V	451844007	6/4/2018	Ag-110m	-5.92E+00	4.69E+00	1.19E+01	U
TV	OFS1-V	451844007	6/4/2018	Ba-140	-5.37E+00	1.38E+01	4.42E+01	U
TV	OFS1-V	451844007	6/4/2018	Be-7	8.97E+02	7.61E+01	8.63E+01	
TV	OFS1-V	451844007	6/4/2018	Ce-141	-1.81E+00	4.78E+00	1.51E+01	U
TV	OFS1-V	451844007	6/4/2018	Ce-144	4.11E+01	2.04E+01	5.81E+01	U
TV	OFS1-V	451844007	6/4/2018	Co-57	-5.40E+00	2.70E+00	7.21E+00	U
TV	OFS1-V	451844007	6/4/2018	Co-58	1.25E+00	3.09E+00	1.07E+01	U
TV	OFS1-V	451844007	6/4/2018	Co-60	-4.99E+00	3.87E+00	1.08E+01	U
TV	OFS1-V	451844007	6/4/2018	Cr-51	-6.80E+00	2.73E+01	9.15E+01	U
TV	OFS1-V	451844007	6/4/2018	Cs-134	-5.33E+00	4.47E+00	1.04E+01	U
TV	OFS1-V	451844007	6/4/2018	Cs-137	3.91E+00	3.26E+00	1.08E+01	U
TV	OFS1-V	451844007	6/4/2018	Fe-59	3.73E-01	6.45E+00	2.15E+01	U
TV	OFS1-V	451844007	6/4/2018	I-131	-5.58E+00	6.06E+00	1.58E+01	U
TV	OFS1-V	451844007	6/4/2018	K-40	3.12E+03	2.02E+02	1.09E+02	
TV	OFS1-V	451844007	6/4/2018	La-140	1.48E+00	4.47E+00	1.48E+01	U
TV	OFS1-V	451844007	6/4/2018	Mn-54	2.51E+00	3.37E+00	1.17E+01	U
TV	OFS1-V	451844007	6/4/2018	Nb-95	5.52E-01	3.29E+00	1.06E+01	U
TV	OFS1-V	451844007	6/4/2018	Ru-103	-1.59E+00	2.98E+00	9.48E+00	U
TV	OFS1-V	451844007	6/4/2018	Ru-106	1.18E+02	4.70E+01	8.81E+01	UI
TV	OFS1-V	451844007	6/4/2018	Sb-124	-1.85E+00	6.83E+00	2.11E+01	U
TV	OFS1-V	451844007	6/4/2018	Sb-125	2.86E+00	8.27E+00	2.78E+01	U
TV	OFS1-V	451844007	6/4/2018	Se-75	2.96E+00	3.79E+00	1.31E+01	U
TV	OFS1-V	451844007	6/4/2018	Th-228	8.49E-02	9.53E+00	2.15E+01	U
TV	OFS1-V	451844007	6/4/2018	Zn-65	-3.34E+00	6.76E+00	2.16E+01	U
TV	OFS1-V	451844007	6/4/2018	Zr-95	-2.39E+00	5.80E+00	1.79E+01	U
TV	ONS4-V	453931001	7/3/2018	Ac-228	1.83E+01	2.28E+01	6.51E+01	U
TV	ONS4-V	453931001	7/3/2018	Ag-108m	2.49E+00	3.11E+00	1.06E+01	U
TV	ONS4-V	453931001	7/3/2018	Ag-110m	-4.33E+00	4.93E+00	1.41E+01	U
TV	ONS4-V	453931001	7/3/2018	Ba-140	-4.91E+00	1.66E+01	5.38E+01	U
TV	ONS4-V	453931001	7/3/2018	Be-7	1.14E+03	9.51E+01	1.03E+02	
TV	ONS4-V	453931001	7/3/2018	Ce-141	-7.40E+00	5.98E+00	1.77E+01	U
TV	ONS4-V	453931001	7/3/2018	Ce-144	-2.10E+01	2.05E+01	6.22E+01	U
TV	ONS4-V	453931001	7/3/2018	Co-57	3.42E+00	2.78E+00	9.04E+00	U
TV	ONS4-V	453931001	7/3/2018	Co-58	4.62E+00	6.22E+00	1.09E+01	U
TV	ONS4-V	453931001	7/3/2018	Co-60	4.52E+00	3.70E+00	1.31E+01	U
TV	ONS4-V	453931001	7/3/2018	Cr-51	2.34E+01	2.98E+01	1.03E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	453931001	7/3/2018	Cs-134	-3.22E+00	4.29E+00	1.28E+01	U
TV	ONS4-V	453931001	7/3/2018	Cs-137	8.04E+00	8.08E+00	1.11E+01	U
TV	ONS4-V	453931001	7/3/2018	Fe-59	-2.42E+00	8.08E+00	2.65E+01	U
TV	ONS4-V	453931001	7/3/2018	I-131	-3.01E+00	5.56E+00	1.82E+01	U
TV	ONS4-V	453931001	7/3/2018	K-40	3.46E+03	2.35E+02	1.43E+02	
TV	ONS4-V	453931001	7/3/2018	La-140	0.00E+00	0.00E+00	1.66E+01	U
TV	ONS4-V	453931001	7/3/2018	Mn-54	2.16E+00	3.78E+00	1.24E+01	U
TV	ONS4-V	453931001	7/3/2018	Nb-95	-4.76E+00	4.75E+00	1.40E+01	U
TV	ONS4-V	453931001	7/3/2018	Ru-103	-2.76E+00	4.43E+00	9.54E+00	U
TV	ONS4-V	453931001	7/3/2018	Ru-106	-2.12E+01	2.84E+01	8.64E+01	U
TV	ONS4-V	453931001	7/3/2018	Sb-124	-2.63E+00	7.57E+00	2.32E+01	U
TV	ONS4-V	453931001	7/3/2018	Sb-125	-7.60E-02	8.66E+00	2.90E+01	U
TV	ONS4-V	453931001	7/3/2018	Se-75	-1.09E+00	4.76E+00	1.47E+01	U
TV	ONS4-V	453931001	7/3/2018	Th-228	-6.10E+00	8.15E+00	2.29E+01	U
TV	ONS4-V	453931001	7/3/2018	Zn-65	3.66E+00	8.36E+00	2.87E+01	U
TV	ONS4-V	453931001	7/3/2018	Zr-95	3.48E-01	6.23E+00	2.01E+01	U
TV	ONS4-V	453931002	7/3/2018	Ac-228	-5.42E+00	2.31E+01	6.86E+01	U
TV	ONS4-V	453931002	7/3/2018	Ag-108m	1.21E+00	3.69E+00	1.21E+01	U
TV	ONS4-V	453931002	7/3/2018	Ag-110m	2.38E+00	6.72E+00	2.29E+01	U
TV	ONS4-V	453931002	7/3/2018	Ba-140	-2.38E+01	2.29E+01	6.62E+01	U
TV	ONS4-V	453931002	7/3/2018	Be-7	1.95E+03	1.48E+02	1.28E+02	
TV	ONS4-V	453931002	7/3/2018	Ce-141	-1.54E+00	7.36E+00	2.44E+01	U
TV	ONS4-V	453931002	7/3/2018	Ce-144	-2.41E+01	2.84E+01	9.07E+01	U
TV	ONS4-V	453931002	7/3/2018	Co-57	-5.43E-01	3.36E+00	1.12E+01	U
TV	ONS4-V	453931002	7/3/2018	Co-58	2.39E+00	4.43E+00	1.53E+01	U
TV	ONS4-V	453931002	7/3/2018	Co-60	8.16E+00	7.89E+00	1.76E+01	U
TV	ONS4-V	453931002	7/3/2018	Cr-51	6.64E+01	4.19E+01	1.36E+02	U
TV	ONS4-V	453931002	7/3/2018	Cs-134	1.70E+00	4.45E+00	1.53E+01	U
TV	ONS4-V	453931002	7/3/2018	Cs-137	4.43E+00	4.89E+00	1.70E+01	U
TV	ONS4-V	453931002	7/3/2018	Fe-59	-4.00E+00	9.35E+00	2.99E+01	U
TV	ONS4-V	453931002	7/3/2018	I-131	-2.77E+00	7.48E+00	2.37E+01	U
TV	ONS4-V	453931002	7/3/2018	K-40	4.99E+03	3.25E+02	1.21E+02	
TV	ONS4-V	453931002	7/3/2018	La-140	-1.30E+00	7.41E+00	2.04E+01	U
TV	ONS4-V	453931002	7/3/2018	Mn-54	-3.55E+00	4.21E+00	1.31E+01	U
TV	ONS4-V	453931002	7/3/2018	Nb-95	1.75E+00	4.41E+00	1.51E+01	U
TV	ONS4-V	453931002	7/3/2018	Ru-103	4.03E-01	4.39E+00	1.41E+01	U
TV	ONS4-V	453931002	7/3/2018	Ru-106	2.64E+01	3.88E+01	1.35E+02	U
TV	ONS4-V	453931002	7/3/2018	Sb-124	-1.05E+01	9.55E+00	2.51E+01	U
TV	ONS4-V	453931002	7/3/2018	Sb-125	-6.96E+00	1.35E+01	3.60E+01	U
TV	ONS4-V	453931002	7/3/2018	Se-75	-1.19E+00	5.78E+00	1.88E+01	U
TV	ONS4-V	453931002	7/3/2018	Th-228	3.67E+00	1.26E+01	2.56E+01	U
TV	ONS4-V	453931002	7/3/2018	Zn-65	2.04E+01	1.19E+01	4.01E+01	U
TV	ONS4-V	453931002	7/3/2018	Zr-95	2.09E+00	7.11E+00	2.44E+01	U
TV	ONS4-V	453931003	7/3/2018	Ac-228	3.34E+01	3.04E+01	7.49E+01	U
TV	ONS4-V	453931003	7/3/2018	Ag-108m	-3.17E+00	3.76E+00	1.19E+01	U
TV	ONS4-V	453931003	7/3/2018	Ag-110m	5.40E+00	6.93E+00	2.29E+01	U
TV	ONS4-V	453931003	7/3/2018	Ba-140	3.50E+01	2.32E+01	7.80E+01	U
TV	ONS4-V	453931003	7/3/2018	Be-7	3.39E+03	2.02E+02	1.14E+02	
TV	ONS4-V	453931003	7/3/2018	Ce-141	7.19E+00	7.64E+00	2.17E+01	U
TV	ONS4-V	453931003	7/3/2018	Ce-144	4.03E+00	2.39E+01	7.79E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	453931003	7/3/2018	Co-57	8.97E-01	3.08E+00	1.01E+01	U
TV	ONS4-V	453931003	7/3/2018	Co-58	3.36E+00	4.62E+00	1.54E+01	U
TV	ONS4-V	453931003	7/3/2018	Co-60	2.16E+00	4.53E+00	1.56E+01	U
TV	ONS4-V	453931003	7/3/2018	Cr-51	-1.31E+01	3.64E+01	1.22E+02	U
TV	ONS4-V	453931003	7/3/2018	Cs-134	-3.29E+00	6.23E+00	1.63E+01	U
TV	ONS4-V	453931003	7/3/2018	Cs-137	-1.55E+00	4.41E+00	1.40E+01	U
TV	ONS4-V	453931003	7/3/2018	Fe-59	2.44E+00	1.10E+01	3.75E+01	U
TV	ONS4-V	453931003	7/3/2018	I-131	-1.08E+00	6.44E+00	2.17E+01	U
TV	ONS4-V	453931003	7/3/2018	K-40	6.00E+03	3.67E+02	1.40E+02	
TV	ONS4-V	453931003	7/3/2018	La-140	-2.12E+00	7.13E+00	2.25E+01	U
TV	ONS4-V	453931003	7/3/2018	Mn-54	1.86E+01	7.74E+00	1.35E+01	UI
TV	ONS4-V	453931003	7/3/2018	Nb-95	5.11E+00	5.49E+00	1.64E+01	U
TV	ONS4-V	453931003	7/3/2018	Ru-103	5.24E+00	3.77E+00	1.29E+01	U
TV	ONS4-V	453931003	7/3/2018	Ru-106	2.52E+01	4.02E+01	1.35E+02	U
TV	ONS4-V	453931003	7/3/2018	Sb-124	4.67E+00	1.03E+01	3.51E+01	U
TV	ONS4-V	453931003	7/3/2018	Sb-125	1.54E+01	1.16E+01	3.95E+01	U
TV	ONS4-V	453931003	7/3/2018	Se-75	-7.73E-03	5.32E+00	1.66E+01	U
TV	ONS4-V	453931003	7/3/2018	Th-228	1.57E+01	1.46E+01	2.84E+01	U
TV	ONS4-V	453931003	7/3/2018	Zn-65	3.36E-02	1.20E+01	3.57E+01	U
TV	ONS4-V	453931003	7/3/2018	Zr-95	-1.09E+01	8.92E+00	2.52E+01	U
TV	ONS5-V	453931004	7/3/2018	Ac-228	-4.28E+01	2.32E+01	6.13E+01	U
TV	ONS5-V	453931004	7/3/2018	Ag-108m	1.48E+00	3.13E+00	1.06E+01	U
TV	ONS5-V	453931004	7/3/2018	Ag-110m	3.76E+00	6.06E+00	1.89E+01	U
TV	ONS5-V	453931004	7/3/2018	Ba-140	-2.11E+00	2.12E+01	6.60E+01	U
TV	ONS5-V	453931004	7/3/2018	Be-7	1.68E+03	1.22E+02	1.10E+02	
TV	ONS5-V	453931004	7/3/2018	Ce-141	5.40E+00	1.16E+01	1.89E+01	U
TV	ONS5-V	453931004	7/3/2018	Ce-144	-2.11E+01	2.38E+01	6.61E+01	U
TV	ONS5-V	453931004	7/3/2018	Co-57	2.92E+00	2.88E+00	9.38E+00	U
TV	ONS5-V	453931004	7/3/2018	Co-58	4.28E+00	3.80E+00	1.34E+01	U
TV	ONS5-V	453931004	7/3/2018	Co-60	-9.00E-01	4.05E+00	1.29E+01	U
TV	ONS5-V	453931004	7/3/2018	Cr-51	-1.33E+01	3.34E+01	1.11E+02	U
TV	ONS5-V	453931004	7/3/2018	Cs-134	3.60E+00	4.18E+00	1.39E+01	U
TV	ONS5-V	453931004	7/3/2018	Cs-137	-7.28E+00	5.22E+00	1.23E+01	U
TV	ONS5-V	453931004	7/3/2018	Fe-59	1.67E+00	8.75E+00	2.94E+01	U
TV	ONS5-V	453931004	7/3/2018	I-131	-6.20E+00	6.67E+00	2.09E+01	U
TV	ONS5-V	453931004	7/3/2018	K-40	2.64E+03	2.00E+02	1.22E+02	
TV	ONS5-V	453931004	7/3/2018	La-140	-1.07E+01	6.85E+00	1.60E+01	U
TV	ONS5-V	453931004	7/3/2018	Mn-54	2.32E+00	3.65E+00	1.27E+01	U
TV	ONS5-V	453931004	7/3/2018	Nb-95	1.78E+00	3.96E+00	1.29E+01	U
TV	ONS5-V	453931004	7/3/2018	Ru-103	6.37E+00	4.04E+00	1.35E+01	U
TV	ONS5-V	453931004	7/3/2018	Ru-106	6.04E+01	3.77E+01	1.25E+02	U
TV	ONS5-V	453931004	7/3/2018	Sb-124	-2.31E+01	1.32E+01	2.15E+01	U
TV	ONS5-V	453931004	7/3/2018	Sb-125	6.32E+00	1.01E+01	3.41E+01	U
TV	ONS5-V	453931004	7/3/2018	Se-75	-3.36E+00	4.78E+00	1.58E+01	U
TV	ONS5-V	453931004	7/3/2018	Th-228	1.93E+00	9.10E+00	2.62E+01	U
TV	ONS5-V	453931004	7/3/2018	Zn-65	-3.83E+00	9.92E+00	3.20E+01	U
TV	ONS5-V	453931004	7/3/2018	Zr-95	-1.06E+01	8.92E+00	2.13E+01	U
TV	ONS5-V	453931005	7/3/2018	Ac-228	7.22E+01	5.02E+01	7.51E+01	U
TV	ONS5-V	453931005	7/3/2018	Ag-108m	-6.37E+00	5.64E+00	1.51E+01	U
TV	ONS5-V	453931005	7/3/2018	Ag-110m	-3.46E+00	7.22E+00	2.35E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	453931005	7/3/2018	Ba-140	3.08E+00	2.42E+01	7.81E+01	U
TV	ONS5-V	453931005	7/3/2018	Be-7	2.58E+03	1.66E+02	1.26E+02	
TV	ONS5-V	453931005	7/3/2018	Ce-141	4.22E+00	6.74E+00	2.32E+01	U
TV	ONS5-V	453931005	7/3/2018	Ce-144	2.15E+00	2.54E+01	8.73E+01	U
TV	ONS5-V	453931005	7/3/2018	Co-57	1.21E+00	3.29E+00	1.14E+01	U
TV	ONS5-V	453931005	7/3/2018	Co-58	-1.66E+00	4.86E+00	1.60E+01	U
TV	ONS5-V	453931005	7/3/2018	Co-60	5.34E+00	4.98E+00	1.72E+01	U
TV	ONS5-V	453931005	7/3/2018	Cr-51	7.94E+01	4.84E+01	1.57E+02	U
TV	ONS5-V	453931005	7/3/2018	Cs-134	6.13E+00	5.58E+00	1.92E+01	U
TV	ONS5-V	453931005	7/3/2018	Cs-137	7.51E+00	5.50E+00	1.78E+01	U
TV	ONS5-V	453931005	7/3/2018	Fe-59	2.87E+01	1.52E+01	3.33E+01	U
TV	ONS5-V	453931005	7/3/2018	I-131	-1.94E+01	1.04E+01	2.42E+01	U
TV	ONS5-V	453931005	7/3/2018	K-40	6.18E+03	3.86E+02	1.55E+02	
TV	ONS5-V	453931005	7/3/2018	La-140	-1.33E+00	6.31E+00	1.97E+01	U
TV	ONS5-V	453931005	7/3/2018	Mn-54	-1.24E+00	4.95E+00	1.64E+01	U
TV	ONS5-V	453931005	7/3/2018	Nb-95	-7.47E+00	5.38E+00	1.60E+01	U
TV	ONS5-V	453931005	7/3/2018	Ru-103	-2.62E+00	4.72E+00	1.47E+01	U
TV	ONS5-V	453931005	7/3/2018	Ru-106	-4.08E+01	4.77E+01	1.42E+02	U
TV	ONS5-V	453931005	7/3/2018	Sb-124	7.49E+00	9.78E+00	3.36E+01	U
TV	ONS5-V	453931005	7/3/2018	Sb-125	1.50E+01	1.27E+01	4.18E+01	U
TV	ONS5-V	453931005	7/3/2018	Se-75	-3.96E+00	6.18E+00	2.00E+01	U
TV	ONS5-V	453931005	7/3/2018	Th-228	-2.11E+00	1.16E+01	3.22E+01	U
TV	ONS5-V	453931005	7/3/2018	Zn-65	-4.04E+00	1.17E+01	3.78E+01	U
TV	ONS5-V	453931005	7/3/2018	Zr-95	-2.58E-02	8.81E+00	2.98E+01	U
TV	ONS5-V	453931006	7/3/2018	Ac-228	2.88E+01	2.81E+01	5.82E+01	U
TV	ONS5-V	453931006	7/3/2018	Ag-108m	6.15E-01	2.66E+00	8.93E+00	U
TV	ONS5-V	453931006	7/3/2018	Ag-110m	5.57E+00	5.19E+00	1.70E+01	U
TV	ONS5-V	453931006	7/3/2018	Ba-140	4.85E+00	1.55E+01	5.17E+01	U
TV	ONS5-V	453931006	7/3/2018	Be-7	1.17E+03	9.45E+01	7.77E+01	
TV	ONS5-V	453931006	7/3/2018	Ce-141	1.77E+00	4.72E+00	1.52E+01	U
TV	ONS5-V	453931006	7/3/2018	Ce-144	-1.87E+01	1.79E+01	5.31E+01	U
TV	ONS5-V	453931006	7/3/2018	Co-57	8.39E-01	2.25E+00	7.26E+00	U
TV	ONS5-V	453931006	7/3/2018	Co-58	7.75E-01	3.28E+00	1.06E+01	U
TV	ONS5-V	453931006	7/3/2018	Co-60	8.90E+00	4.87E+00	1.64E+01	U
TV	ONS5-V	453931006	7/3/2018	Cr-51	1.23E+01	3.05E+01	9.96E+01	U
TV	ONS5-V	453931006	7/3/2018	Cs-134	-5.60E-01	3.74E+00	1.18E+01	U
TV	ONS5-V	453931006	7/3/2018	Cs-137	1.80E+00	3.47E+00	1.15E+01	U
TV	ONS5-V	453931006	7/3/2018	Fe-59	8.31E+00	8.12E+00	2.80E+01	U
TV	ONS5-V	453931006	7/3/2018	I-131	-2.04E+00	5.15E+00	1.70E+01	U
TV	ONS5-V	453931006	7/3/2018	K-40	4.82E+03	2.87E+02	8.59E+01	
TV	ONS5-V	453931006	7/3/2018	La-140	-1.63E+01	1.08E+01	1.62E+01	U
TV	ONS5-V	453931006	7/3/2018	Mn-54	7.39E+00	4.06E+00	1.30E+01	U
TV	ONS5-V	453931006	7/3/2018	Nb-95	5.64E-01	3.31E+00	1.07E+01	U
TV	ONS5-V	453931006	7/3/2018	Ru-103	-2.81E+00	3.33E+00	1.03E+01	U
TV	ONS5-V	453931006	7/3/2018	Ru-106	2.15E+01	3.03E+01	1.01E+02	U
TV	ONS5-V	453931006	7/3/2018	Sb-124	-7.43E+00	7.47E+00	2.06E+01	U
TV	ONS5-V	453931006	7/3/2018	Sb-125	-6.82E+00	9.25E+00	2.59E+01	U
TV	ONS5-V	453931006	7/3/2018	Se-75	-5.30E-01	3.77E+00	1.28E+01	U
TV	ONS5-V	453931006	7/3/2018	Th-228	1.63E+01	1.18E+01	2.05E+01	U
TV	ONS5-V	453931006	7/3/2018	Zn-65	-1.95E-01	8.59E+00	2.87E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	453931006	7/3/2018	Zr-95	9.84E-01	6.38E+00	2.06E+01	U
TV	OFS1-V	453931007	7/3/2018	Ac-228	1.11E+01	1.96E+01	5.68E+01	U
TV	OFS1-V	453931007	7/3/2018	Ag-108m	-7.05E-01	2.71E+00	8.79E+00	U
TV	OFS1-V	453931007	7/3/2018	Ag-110m	4.71E+00	4.82E+00	1.67E+01	U
TV	OFS1-V	453931007	7/3/2018	Ba-140	-5.52E+00	1.81E+01	5.75E+01	U
TV	OFS1-V	453931007	7/3/2018	Be-7	1.57E+03	1.12E+02	9.68E+01	
TV	OFS1-V	453931007	7/3/2018	Ce-141	-3.19E+00	5.54E+00	1.71E+01	U
TV	OFS1-V	453931007	7/3/2018	Ce-144	6.28E-03	1.87E+01	5.96E+01	U
TV	OFS1-V	453931007	7/3/2018	Co-57	1.95E-01	2.49E+00	7.99E+00	U
TV	OFS1-V	453931007	7/3/2018	Co-58	3.19E+00	3.80E+00	1.31E+01	U
TV	OFS1-V	453931007	7/3/2018	Co-60	-2.03E+00	5.36E+00	1.35E+01	U
TV	OFS1-V	453931007	7/3/2018	Cr-51	-3.47E+01	3.72E+01	9.90E+01	U
TV	OFS1-V	453931007	7/3/2018	Cs-134	1.18E+00	3.77E+00	1.29E+01	U
TV	OFS1-V	453931007	7/3/2018	Cs-137	9.14E-01	3.93E+00	1.27E+01	U
TV	OFS1-V	453931007	7/3/2018	Fe-59	-4.41E+00	7.43E+00	2.32E+01	U
TV	OFS1-V	453931007	7/3/2018	I-131	6.47E+00	6.28E+00	2.11E+01	U
TV	OFS1-V	453931007	7/3/2018	K-40	2.38E+03	1.88E+02	1.22E+02	
TV	OFS1-V	453931007	7/3/2018	La-140	-8.41E+00	7.39E+00	1.78E+01	U
TV	OFS1-V	453931007	7/3/2018	Mn-54	-9.26E-02	3.65E+00	1.23E+01	U
TV	OFS1-V	453931007	7/3/2018	Nb-95	3.01E+00	3.85E+00	1.33E+01	U
TV	OFS1-V	453931007	7/3/2018	Ru-103	-2.73E+00	3.65E+00	1.13E+01	U
TV	OFS1-V	453931007	7/3/2018	Ru-106	1.89E+01	3.41E+01	1.01E+02	U
TV	OFS1-V	453931007	7/3/2018	Sb-124	-5.95E+00	8.78E+00	2.73E+01	U
TV	OFS1-V	453931007	7/3/2018	Sb-125	6.96E+00	9.74E+00	3.26E+01	U
TV	OFS1-V	453931007	7/3/2018	Se-75	-4.76E+00	4.31E+00	1.36E+01	U
TV	OFS1-V	453931007	7/3/2018	Th-228	1.29E+01	1.05E+01	1.91E+01	U
TV	OFS1-V	453931007	7/3/2018	Zn-65	-1.36E+01	9.61E+00	2.21E+01	U
TV	OFS1-V	453931007	7/3/2018	Zr-95	4.16E+00	6.06E+00	2.11E+01	U
TV	ONS4-V	457875001	8/20/2018	Ac-228	-9.30E+00	3.72E+01	1.23E+02	U
TV	ONS4-V	457875001	8/20/2018	Ag-108m	-1.14E+00	6.24E+00	1.98E+01	U
TV	ONS4-V	457875001	8/20/2018	Ag-110m	1.70E+00	9.76E+00	3.32E+01	U
TV	ONS4-V	457875001	8/20/2018	Ba-140	3.06E+01	4.45E+01	1.48E+02	U
TV	ONS4-V	457875001	8/20/2018	Be-7	1.45E+03	1.98E+02	2.05E+02	
TV	ONS4-V	457875001	8/20/2018	Ce-141	1.20E+01	1.29E+01	4.37E+01	U
TV	ONS4-V	457875001	8/20/2018	Ce-144	4.24E+01	4.22E+01	1.44E+02	U
TV	ONS4-V	457875001	8/20/2018	Co-57	-1.22E+00	5.86E+00	1.74E+01	U
TV	ONS4-V	457875001	8/20/2018	Co-58	6.47E+00	8.31E+00	2.85E+01	U
TV	ONS4-V	457875001	8/20/2018	Co-60	-3.86E-01	8.78E+00	2.86E+01	U
TV	ONS4-V	457875001	8/20/2018	Cr-51	-5.17E+01	7.24E+01	2.22E+02	U
TV	ONS4-V	457875001	8/20/2018	Cs-134	3.19E+00	8.68E+00	3.00E+01	U
TV	ONS4-V	457875001	8/20/2018	Cs-137	-1.90E+00	7.24E+00	2.40E+01	U
TV	ONS4-V	457875001	8/20/2018	Fe-59	-1.28E+01	2.04E+01	5.34E+01	U
TV	ONS4-V	457875001	8/20/2018	I-131	-7.12E-01	1.54E+01	4.98E+01	U
TV	ONS4-V	457875001	8/20/2018	K-40	3.91E+03	3.65E+02	3.53E+02	
TV	ONS4-V	457875001	8/20/2018	La-140	-1.41E+01	1.53E+01	4.16E+01	U
TV	ONS4-V	457875001	8/20/2018	Mn-54	-4.69E+00	8.34E+00	2.65E+01	U
TV	ONS4-V	457875001	8/20/2018	Nb-95	2.60E+00	7.32E+00	2.54E+01	U
TV	ONS4-V	457875001	8/20/2018	Ru-103	-1.08E+01	8.72E+00	2.38E+01	U
TV	ONS4-V	457875001	8/20/2018	Ru-106	-1.27E+01	6.78E+01	2.27E+02	U
TV	ONS4-V	457875001	8/20/2018	Sb-124	-3.38E+01	1.96E+01	3.41E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	457875001	8/20/2018	Sb-125	-1.11E+01	1.80E+01	5.41E+01	U
TV	ONS4-V	457875001	8/20/2018	Se-75	7.44E+00	1.01E+01	3.40E+01	U
TV	ONS4-V	457875001	8/20/2018	Th-228	-2.47E+01	1.61E+01	4.54E+01	U
TV	ONS4-V	457875001	8/20/2018	Zn-65	-6.30E+00	1.74E+01	5.52E+01	U
TV	ONS4-V	457875001	8/20/2018	Zr-95	9.05E-01	1.50E+01	5.07E+01	U
TV	ONS4-V	457875002	8/20/2018	Ac-228	1.48E+01	2.23E+01	6.55E+01	U
TV	ONS4-V	457875002	8/20/2018	Ag-108m	-1.17E-01	3.00E+00	9.80E+00	U
TV	ONS4-V	457875002	8/20/2018	Ag-110m	3.02E+01	2.42E+01	1.80E+01	UI
TV	ONS4-V	457875002	8/20/2018	Ba-140	8.08E+01	3.83E+01	7.18E+01	UI
TV	ONS4-V	457875002	8/20/2018	Be-7	1.61E+03	1.21E+02	9.97E+01	
TV	ONS4-V	457875002	8/20/2018	Ce-141	2.38E+00	5.49E+00	1.61E+01	U
TV	ONS4-V	457875002	8/20/2018	Ce-144	1.72E+01	2.07E+01	6.59E+01	U
TV	ONS4-V	457875002	8/20/2018	Co-57	-1.01E+00	2.51E+00	7.78E+00	U
TV	ONS4-V	457875002	8/20/2018	Co-58	-2.23E-01	3.58E+00	1.20E+01	U
TV	ONS4-V	457875002	8/20/2018	Co-60	2.53E+00	4.71E+00	1.49E+01	U
TV	ONS4-V	457875002	8/20/2018	Cr-51	-4.37E+00	3.40E+01	1.13E+02	U
TV	ONS4-V	457875002	8/20/2018	Cs-134	1.56E+00	4.77E+00	1.64E+01	U
TV	ONS4-V	457875002	8/20/2018	Cs-137	8.21E+00	6.30E+00	1.38E+01	U
TV	ONS4-V	457875002	8/20/2018	Fe-59	6.32E-02	8.39E+00	2.77E+01	U
TV	ONS4-V	457875002	8/20/2018	I-131	-3.18E+00	6.04E+00	1.93E+01	U
TV	ONS4-V	457875002	8/20/2018	K-40	2.97E+03	2.20E+02	1.12E+02	
TV	ONS4-V	457875002	8/20/2018	La-140	-3.14E+00	6.54E+00	1.95E+01	U
TV	ONS4-V	457875002	8/20/2018	Mn-54	4.56E-01	4.27E+00	1.45E+01	U
TV	ONS4-V	457875002	8/20/2018	Nb-95	-6.55E-01	4.09E+00	1.37E+01	U
TV	ONS4-V	457875002	8/20/2018	Ru-103	-2.69E+00	4.31E+00	1.34E+01	U
TV	ONS4-V	457875002	8/20/2018	Ru-106	-4.77E+00	3.68E+01	1.17E+02	U
TV	ONS4-V	457875002	8/20/2018	Sb-124	-2.51E+00	9.04E+00	2.94E+01	U
TV	ONS4-V	457875002	8/20/2018	Sb-125	1.59E+00	1.01E+01	3.34E+01	U
TV	ONS4-V	457875002	8/20/2018	Se-75	4.19E+00	4.93E+00	1.53E+01	U
TV	ONS4-V	457875002	8/20/2018	Th-228	1.06E+01	1.02E+01	2.54E+01	U
TV	ONS4-V	457875002	8/20/2018	Zn-65	9.79E+00	1.00E+01	3.12E+01	U
TV	ONS4-V	457875002	8/20/2018	Zr-95	-1.85E-01	8.11E+00	2.55E+01	U
TV	ONS4-V	457875003	8/20/2018	Ac-228	-2.55E+01	2.79E+01	8.22E+01	U
TV	ONS4-V	457875003	8/20/2018	Ag-108m	-1.86E+00	4.51E+00	1.27E+01	U
TV	ONS4-V	457875003	8/20/2018	Ag-110m	-1.02E+00	7.02E+00	2.35E+01	U
TV	ONS4-V	457875003	8/20/2018	Ba-140	-4.50E+01	3.07E+01	7.13E+01	U
TV	ONS4-V	457875003	8/20/2018	Be-7	1.65E+03	1.33E+02	1.27E+02	
TV	ONS4-V	457875003	8/20/2018	Ce-141	3.73E+00	1.40E+01	2.24E+01	U
TV	ONS4-V	457875003	8/20/2018	Ce-144	-5.92E+00	2.61E+01	8.87E+01	U
TV	ONS4-V	457875003	8/20/2018	Co-57	-2.85E+00	3.93E+00	1.16E+01	U
TV	ONS4-V	457875003	8/20/2018	Co-58	-2.78E+00	5.12E+00	1.67E+01	U
TV	ONS4-V	457875003	8/20/2018	Co-60	1.23E+01	6.93E+00	2.39E+01	U
TV	ONS4-V	457875003	8/20/2018	Cr-51	7.45E+01	4.89E+01	1.62E+02	U
TV	ONS4-V	457875003	8/20/2018	Cs-134	2.03E+00	5.77E+00	1.87E+01	U
TV	ONS4-V	457875003	8/20/2018	Cs-137	1.89E+01	7.35E+00	2.24E+01	U
TV	ONS4-V	457875003	8/20/2018	Fe-59	2.18E-01	1.11E+01	3.73E+01	U
TV	ONS4-V	457875003	8/20/2018	I-131	-1.28E+00	9.44E+00	3.09E+01	U
TV	ONS4-V	457875003	8/20/2018	K-40	1.73E+03	1.86E+02	1.45E+02	
TV	ONS4-V	457875003	8/20/2018	La-140	4.85E-01	8.68E+00	2.85E+01	U
TV	ONS4-V	457875003	8/20/2018	Mn-54	1.29E+01	6.26E+00	2.10E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	457875003	8/20/2018	Nb-95	-9.03E+00	7.78E+00	1.87E+01	U
TV	ONS4-V	457875003	8/20/2018	Ru-103	1.27E+01	6.03E+00	1.93E+01	U
TV	ONS4-V	457875003	8/20/2018	Ru-106	-9.86E-01	4.89E+01	1.57E+02	U
TV	ONS4-V	457875003	8/20/2018	Sb-124	-3.20E+00	7.73E+00	2.29E+01	U
TV	ONS4-V	457875003	8/20/2018	Sb-125	6.82E-01	1.24E+01	4.07E+01	U
TV	ONS4-V	457875003	8/20/2018	Se-75	-1.18E+00	6.36E+00	2.11E+01	U
TV	ONS4-V	457875003	8/20/2018	Th-228	3.87E+01	1.61E+01	3.29E+01	UI
TV	ONS4-V	457875003	8/20/2018	Zn-65	-1.62E+01	1.16E+01	3.20E+01	U
TV	ONS4-V	457875003	8/20/2018	Zr-95	3.79E+00	8.68E+00	2.84E+01	U
TV	ONS5-V	457875005	8/20/2018	Ac-228	-5.45E+00	2.81E+01	7.76E+01	U
TV	ONS5-V	457875005	8/20/2018	Ag-108m	1.27E+00	4.19E+00	1.42E+01	U
TV	ONS5-V	457875005	8/20/2018	Ag-110m	-4.27E+00	8.18E+00	2.67E+01	U
TV	ONS5-V	457875005	8/20/2018	Ba-140	3.11E+00	2.49E+01	8.24E+01	U
TV	ONS5-V	457875005	8/20/2018	Be-7	1.54E+03	1.40E+02	1.73E+02	
TV	ONS5-V	457875005	8/20/2018	Ce-141	1.94E+01	1.41E+01	2.50E+01	U
TV	ONS5-V	457875005	8/20/2018	Ce-144	-8.67E+00	2.86E+01	9.18E+01	U
TV	ONS5-V	457875005	8/20/2018	Co-57	-1.96E-01	3.82E+00	1.24E+01	U
TV	ONS5-V	457875005	8/20/2018	Co-58	5.75E+00	6.06E+00	2.01E+01	U
TV	ONS5-V	457875005	8/20/2018	Co-60	8.27E-01	6.12E+00	2.03E+01	U
TV	ONS5-V	457875005	8/20/2018	Cr-51	-3.47E+01	5.16E+01	1.51E+02	U
TV	ONS5-V	457875005	8/20/2018	Cs-134	-3.15E+00	6.85E+00	2.10E+01	U
TV	ONS5-V	457875005	8/20/2018	Cs-137	9.29E+00	5.65E+00	1.88E+01	U
TV	ONS5-V	457875005	8/20/2018	Fe-59	-5.74E+00	1.24E+01	3.95E+01	U
TV	ONS5-V	457875005	8/20/2018	I-131	-2.47E+00	8.67E+00	2.88E+01	U
TV	ONS5-V	457875005	8/20/2018	K-40	6.20E+03	4.44E+02	1.74E+02	
TV	ONS5-V	457875005	8/20/2018	La-140	-1.08E+01	1.01E+01	2.73E+01	U
TV	ONS5-V	457875005	8/20/2018	Mn-54	-3.80E+00	5.44E+00	1.75E+01	U
TV	ONS5-V	457875005	8/20/2018	Nb-95	5.08E+00	5.34E+00	1.78E+01	U
TV	ONS5-V	457875005	8/20/2018	Ru-103	-1.63E+00	5.02E+00	1.62E+01	U
TV	ONS5-V	457875005	8/20/2018	Ru-106	-4.84E+00	4.68E+01	1.51E+02	U
TV	ONS5-V	457875005	8/20/2018	Sb-124	1.27E+01	1.38E+01	4.79E+01	U
TV	ONS5-V	457875005	8/20/2018	Sb-125	-6.00E+00	1.34E+01	4.34E+01	U
TV	ONS5-V	457875005	8/20/2018	Se-75	-9.52E+00	7.25E+00	2.00E+01	U
TV	ONS5-V	457875005	8/20/2018	Th-228	2.40E+00	1.29E+01	3.39E+01	U
TV	ONS5-V	457875005	8/20/2018	Zn-65	-4.45E+00	1.40E+01	4.55E+01	U
TV	ONS5-V	457875005	8/20/2018	Zr-95	-1.24E+01	1.09E+01	3.05E+01	U
TV	ONS5-V	457875006	8/20/2018	Ac-228	4.12E+01	3.97E+01	7.20E+01	U
TV	ONS5-V	457875006	8/20/2018	Ag-108m	-4.28E-02	3.48E+00	1.16E+01	U
TV	ONS5-V	457875006	8/20/2018	Ag-110m	-3.34E+00	5.31E+00	1.58E+01	U
TV	ONS5-V	457875006	8/20/2018	Ba-140	-1.57E+01	2.09E+01	6.48E+01	U
TV	ONS5-V	457875006	8/20/2018	Be-7	1.55E+03	1.20E+02	1.19E+02	
TV	ONS5-V	457875006	8/20/2018	Ce-141	-1.73E+01	8.81E+00	1.99E+01	U
TV	ONS5-V	457875006	8/20/2018	Ce-144	2.09E+01	2.31E+01	7.58E+01	U
TV	ONS5-V	457875006	8/20/2018	Co-57	-9.33E-01	3.02E+00	9.70E+00	U
TV	ONS5-V	457875006	8/20/2018	Co-58	4.86E+00	4.36E+00	1.46E+01	U
TV	ONS5-V	457875006	8/20/2018	Co-60	-7.12E+00	4.53E+00	1.15E+01	U
TV	ONS5-V	457875006	8/20/2018	Cr-51	-4.65E+01	3.70E+01	1.14E+02	U
TV	ONS5-V	457875006	8/20/2018	Cs-134	3.56E+00	4.92E+00	1.63E+01	U
TV	ONS5-V	457875006	8/20/2018	Cs-137	6.30E-01	4.62E+00	1.52E+01	U
TV	ONS5-V	457875006	8/20/2018	Fe-59	3.63E+00	8.28E+00	2.57E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD DEV (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	457875006	8/20/2018	I-131	6.31E+00	7.63E+00	2.63E+01	U
TV	ONS5-V	457875006	8/20/2018	K-40	2.46E+03	2.32E+02	1.50E+02	
TV	ONS5-V	457875006	8/20/2018	La-140	3.49E+00	5.86E+00	2.04E+01	U
TV	ONS5-V	457875006	8/20/2018	Mn-54	2.08E+00	4.92E+00	1.61E+01	U
TV	ONS5-V	457875006	8/20/2018	Nb-95	-1.26E+00	4.11E+00	1.29E+01	U
TV	ONS5-V	457875006	8/20/2018	Ru-103	2.40E+00	4.05E+00	1.38E+01	U
TV	ONS5-V	457875006	8/20/2018	Ru-106	-1.22E+00	3.78E+01	1.24E+02	U
TV	ONS5-V	457875006	8/20/2018	Sb-124	-8.04E+00	1.03E+01	2.95E+01	U
TV	ONS5-V	457875006	8/20/2018	Sb-125	5.14E+00	9.43E+00	3.23E+01	U
TV	ONS5-V	457875006	8/20/2018	Se-75	3.84E+00	5.63E+00	1.79E+01	U
TV	ONS5-V	457875006	8/20/2018	Th-228	-4.89E-03	1.05E+01	2.74E+01	U
TV	ONS5-V	457875006	8/20/2018	Zn-65	3.21E-01	9.86E+00	3.32E+01	U
TV	ONS5-V	457875006	8/20/2018	Zr-95	9.39E+00	6.81E+00	2.32E+01	U
TV	ONS5-V	457875007	8/20/2018	Ac-228	2.73E+01	2.66E+01	8.84E+01	U
TV	ONS5-V	457875007	8/20/2018	Ag-108m	1.20E+00	4.61E+00	1.53E+01	U
TV	ONS5-V	457875007	8/20/2018	Ag-110m	6.53E+00	8.65E+00	2.98E+01	U
TV	ONS5-V	457875007	8/20/2018	Ba-140	1.61E+01	2.84E+01	9.39E+01	U
TV	ONS5-V	457875007	8/20/2018	Be-7	7.88E+02	9.71E+01	1.49E+02	
TV	ONS5-V	457875007	8/20/2018	Ce-141	2.64E+00	7.60E+00	2.24E+01	U
TV	ONS5-V	457875007	8/20/2018	Ce-144	1.95E+01	2.53E+01	8.11E+01	U
TV	ONS5-V	457875007	8/20/2018	Co-57	-4.30E+00	3.35E+00	9.64E+00	U
TV	ONS5-V	457875007	8/20/2018	Co-58	1.77E+00	5.88E+00	2.01E+01	U
TV	ONS5-V	457875007	8/20/2018	Co-60	1.98E+01	1.33E+01	2.62E+01	U
TV	ONS5-V	457875007	8/20/2018	Cr-51	8.27E+00	4.46E+01	1.50E+02	U
TV	ONS5-V	457875007	8/20/2018	Cs-134	-6.59E+00	6.77E+00	2.08E+01	U
TV	ONS5-V	457875007	8/20/2018	Cs-137	-1.20E+00	6.57E+00	2.06E+01	U
TV	ONS5-V	457875007	8/20/2018	Fe-59	-1.60E+01	1.32E+01	3.71E+01	U
TV	ONS5-V	457875007	8/20/2018	I-131	-4.22E+00	8.58E+00	2.75E+01	U
TV	ONS5-V	457875007	8/20/2018	K-40	5.40E+03	3.82E+02	1.72E+02	
TV	ONS5-V	457875007	8/20/2018	La-140	-9.59E+00	8.14E+00	2.18E+01	U
TV	ONS5-V	457875007	8/20/2018	Mn-54	-8.07E+00	6.18E+00	1.80E+01	U
TV	ONS5-V	457875007	8/20/2018	Nb-95	5.47E+00	5.83E+00	2.03E+01	U
TV	ONS5-V	457875007	8/20/2018	Ru-103	-9.48E+00	5.90E+00	1.58E+01	U
TV	ONS5-V	457875007	8/20/2018	Ru-106	-7.75E+01	6.58E+01	1.60E+02	U
TV	ONS5-V	457875007	8/20/2018	Sb-124	-1.60E+00	1.13E+01	3.71E+01	U
TV	ONS5-V	457875007	8/20/2018	Sb-125	1.40E+01	1.43E+01	4.79E+01	U
TV	ONS5-V	457875007	8/20/2018	Se-75	-2.67E+00	5.43E+00	1.78E+01	U
TV	ONS5-V	457875007	8/20/2018	Th-228	2.54E+01	2.22E+01	3.02E+01	U
TV	ONS5-V	457875007	8/20/2018	Zn-65	1.19E+01	1.36E+01	4.64E+01	U
TV	ONS5-V	457875007	8/20/2018	Zr-95	1.90E+01	1.31E+01	4.12E+01	U
TV	OFS1-V	457875009	8/20/2018	Ac-228	1.49E+02	6.45E+01	1.25E+02	UI
TV	OFS1-V	457875009	8/20/2018	Ag-108m	4.88E+00	5.69E+00	1.94E+01	U
TV	OFS1-V	457875009	8/20/2018	Ag-110m	7.39E+00	1.08E+01	3.59E+01	U
TV	OFS1-V	457875009	8/20/2018	Ba-140	-1.48E+01	3.98E+01	1.27E+02	U
TV	OFS1-V	457875009	8/20/2018	Be-7	1.62E+03	1.57E+02	1.96E+02	
TV	OFS1-V	457875009	8/20/2018	Ce-141	1.88E+00	2.36E+01	3.76E+01	U
TV	OFS1-V	457875009	8/20/2018	Ce-144	-6.54E+00	4.33E+01	1.48E+02	U
TV	OFS1-V	457875009	8/20/2018	Co-57	-1.66E+00	5.71E+00	1.94E+01	U
TV	OFS1-V	457875009	8/20/2018	Co-58	6.16E+00	8.07E+00	2.70E+01	U
TV	OFS1-V	457875009	8/20/2018	Co-60	2.28E+01	1.03E+01	3.08E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	OFS1-V	457875009	8/20/2018	Cr-51	2.45E+01	6.19E+01	2.10E+02	U
TV	OFS1-V	457875009	8/20/2018	Cs-134	8.91E+00	9.04E+00	3.04E+01	U
TV	OFS1-V	457875009	8/20/2018	Cs-137	2.40E+01	1.18E+01	2.67E+01	U
TV	OFS1-V	457875009	8/20/2018	Fe-59	2.13E+01	1.64E+01	5.83E+01	U
TV	OFS1-V	457875009	8/20/2018	I-131	-4.19E+00	1.28E+01	4.19E+01	U
TV	OFS1-V	457875009	8/20/2018	K-40	1.49E+03	2.41E+02	2.15E+02	
TV	OFS1-V	457875009	8/20/2018	La-140	7.97E+00	1.17E+01	4.17E+01	U
TV	OFS1-V	457875009	8/20/2018	Mn-54	7.85E+00	7.32E+00	2.48E+01	U
TV	OFS1-V	457875009	8/20/2018	Nb-95	-1.37E+01	1.06E+01	2.58E+01	U
TV	OFS1-V	457875009	8/20/2018	Ru-103	1.61E+01	9.05E+00	2.97E+01	U
TV	OFS1-V	457875009	8/20/2018	Ru-106	1.54E+02	1.14E+02	2.09E+02	U
TV	OFS1-V	457875009	8/20/2018	Sb-124	-1.19E+01	1.67E+01	4.94E+01	U
TV	OFS1-V	457875009	8/20/2018	Sb-125	2.03E+01	2.07E+01	6.98E+01	U
TV	OFS1-V	457875009	8/20/2018	Se-75	1.15E+01	9.41E+00	3.18E+01	U
TV	OFS1-V	457875009	8/20/2018	Th-228	5.01E+01	2.52E+01	5.43E+01	U
TV	OFS1-V	457875009	8/20/2018	Zn-65	3.29E-01	1.76E+01	5.98E+01	U
TV	OFS1-V	457875009	8/20/2018	Zr-95	2.11E+01	1.38E+01	4.66E+01	U
TV	ONS4-V	460459001	9/27/2018	Ac-228	1.40E+01	3.31E+01	1.12E+02	U
TV	ONS4-V	460459001	9/27/2018	Ag-108m	9.57E-01	4.65E+00	1.56E+01	U
TV	ONS4-V	460459001	9/27/2018	Ag-110m	-6.88E+00	7.48E+00	2.20E+01	U
TV	ONS4-V	460459001	9/27/2018	Ba-140	4.26E+01	3.07E+01	1.06E+02	U
TV	ONS4-V	460459001	9/27/2018	Be-7	1.34E+03	1.46E+02	1.68E+02	
TV	ONS4-V	460459001	9/27/2018	Ce-141	-1.30E+00	1.04E+01	3.28E+01	U
TV	ONS4-V	460459001	9/27/2018	Ce-144	1.40E+01	3.36E+01	1.09E+02	U
TV	ONS4-V	460459001	9/27/2018	Co-57	-4.32E+00	4.91E+00	1.47E+01	U
TV	ONS4-V	460459001	9/27/2018	Co-58	-1.64E+00	5.68E+00	1.86E+01	U
TV	ONS4-V	460459001	9/27/2018	Co-60	1.29E+01	7.54E+00	2.74E+01	U
TV	ONS4-V	460459001	9/27/2018	Cr-51	-4.99E+01	6.03E+01	1.91E+02	U
TV	ONS4-V	460459001	9/27/2018	Cs-134	-4.73E+00	7.13E+00	2.25E+01	U
TV	ONS4-V	460459001	9/27/2018	Cs-137	4.65E+00	7.62E+00	2.53E+01	U
TV	ONS4-V	460459001	9/27/2018	Fe-59	-2.22E+01	1.50E+01	3.81E+01	U
TV	ONS4-V	460459001	9/27/2018	I-131	2.64E+01	1.08E+01	3.55E+01	U
TV	ONS4-V	460459001	9/27/2018	K-40	2.72E+03	2.73E+02	1.46E+02	
TV	ONS4-V	460459001	9/27/2018	La-140	-1.49E+01	1.48E+01	3.35E+01	U
TV	ONS4-V	460459001	9/27/2018	Mn-54	-1.79E+01	7.05E+00	1.16E+01	U
TV	ONS4-V	460459001	9/27/2018	Nb-95	8.72E-01	6.49E+00	2.23E+01	U
TV	ONS4-V	460459001	9/27/2018	Ru-103	6.14E+00	5.91E+00	2.03E+01	U
TV	ONS4-V	460459001	9/27/2018	Ru-106	-1.92E+01	5.37E+01	1.66E+02	U
TV	ONS4-V	460459001	9/27/2018	Sb-124	2.69E+01	1.89E+01	6.99E+01	U
TV	ONS4-V	460459001	9/27/2018	Sb-125	2.40E+01	1.53E+01	5.30E+01	U
TV	ONS4-V	460459001	9/27/2018	Se-75	1.82E+00	7.91E+00	2.72E+01	U
TV	ONS4-V	460459001	9/27/2018	Th-228	1.21E+01	1.98E+01	4.26E+01	U
TV	ONS4-V	460459001	9/27/2018	Zn-65	-2.57E+01	1.80E+01	4.65E+01	U
TV	ONS4-V	460459001	9/27/2018	Zr-95	-6.46E+00	1.26E+01	4.10E+01	U
TV	ONS4-V	460459002	9/27/2018	Ac-228	-7.13E+01	4.24E+01	1.11E+02	U
TV	ONS4-V	460459002	9/27/2018	Ag-108m	8.43E-01	6.31E+00	2.08E+01	U
TV	ONS4-V	460459002	9/27/2018	Ag-110m	-4.65E+00	7.89E+00	2.51E+01	U
TV	ONS4-V	460459002	9/27/2018	Ba-140	-5.05E+01	3.65E+01	1.01E+02	U
TV	ONS4-V	460459002	9/27/2018	Be-7	1.77E+03	1.72E+02	2.16E+02	
TV	ONS4-V	460459002	9/27/2018	Ce-141	2.25E+01	2.04E+01	3.38E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	460459002	9/27/2018	Ce-144	6.20E+00	3.55E+01	1.22E+02	U
TV	ONS4-V	460459002	9/27/2018	Co-57	-4.48E+00	4.91E+00	1.60E+01	U
TV	ONS4-V	460459002	9/27/2018	Co-58	3.12E+01	1.39E+01	2.57E+01	UI
TV	ONS4-V	460459002	9/27/2018	Co-60	-1.05E+01	1.13E+01	2.99E+01	U
TV	ONS4-V	460459002	9/27/2018	Cr-51	-8.44E+01	7.12E+01	2.16E+02	U
TV	ONS4-V	460459002	9/27/2018	Cs-134	-1.46E+01	1.23E+01	3.12E+01	U
TV	ONS4-V	460459002	9/27/2018	Cs-137	-2.46E+00	8.04E+00	2.51E+01	U
TV	ONS4-V	460459002	9/27/2018	Fe-59	-1.64E+01	1.57E+01	4.63E+01	U
TV	ONS4-V	460459002	9/27/2018	I-131	-3.36E+00	1.07E+01	3.46E+01	U
TV	ONS4-V	460459002	9/27/2018	K-40	2.74E+03	2.96E+02	2.23E+02	
TV	ONS4-V	460459002	9/27/2018	La-140	-2.09E+01	1.07E+01	2.00E+01	U
TV	ONS4-V	460459002	9/27/2018	Mn-54	-6.01E+00	7.47E+00	2.36E+01	U
TV	ONS4-V	460459002	9/27/2018	Nb-95	-6.32E-01	9.03E+00	2.53E+01	U
TV	ONS4-V	460459002	9/27/2018	Ru-103	-3.34E+00	7.23E+00	2.27E+01	U
TV	ONS4-V	460459002	9/27/2018	Ru-106	6.76E+01	7.45E+01	2.47E+02	U
TV	ONS4-V	460459002	9/27/2018	Sb-124	1.79E+00	1.69E+01	5.56E+01	U
TV	ONS4-V	460459002	9/27/2018	Sb-125	9.21E+00	1.88E+01	6.28E+01	U
TV	ONS4-V	460459002	9/27/2018	Se-75	-1.10E+01	9.72E+00	3.00E+01	U
TV	ONS4-V	460459002	9/27/2018	Th-228	-1.43E+01	1.76E+01	4.92E+01	U
TV	ONS4-V	460459002	9/27/2018	Zn-65	-4.37E+00	1.63E+01	5.30E+01	U
TV	ONS4-V	460459002	9/27/2018	Zr-95	-3.66E+00	1.33E+01	4.14E+01	U
TV	ONS4-V	460459003	9/27/2018	Ac-228	1.73E+01	3.96E+01	1.01E+02	U
TV	ONS4-V	460459003	9/27/2018	Ag-108m	-5.08E-01	5.38E+00	1.81E+01	U
TV	ONS4-V	460459003	9/27/2018	Ag-110m	-6.46E+00	7.77E+00	2.32E+01	U
TV	ONS4-V	460459003	9/27/2018	Ba-140	-2.93E+01	2.69E+01	8.17E+01	U
TV	ONS4-V	460459003	9/27/2018	Be-7	3.69E+03	2.38E+02	1.71E+02	
TV	ONS4-V	460459003	9/27/2018	Ce-141	-5.26E+00	1.01E+01	3.14E+01	U
TV	ONS4-V	460459003	9/27/2018	Ce-144	3.36E+01	3.89E+01	1.26E+02	U
TV	ONS4-V	460459003	9/27/2018	Co-57	1.58E-01	4.94E+00	1.59E+01	U
TV	ONS4-V	460459003	9/27/2018	Co-58	-8.24E-01	5.78E+00	1.87E+01	U
TV	ONS4-V	460459003	9/27/2018	Co-60	-1.26E+01	1.15E+01	3.04E+01	U
TV	ONS4-V	460459003	9/27/2018	Cr-51	1.22E+01	5.42E+01	1.87E+02	U
TV	ONS4-V	460459003	9/27/2018	Cs-134	1.11E+01	6.97E+00	2.35E+01	U
TV	ONS4-V	460459003	9/27/2018	Cs-137	-4.67E-01	6.58E+00	1.94E+01	U
TV	ONS4-V	460459003	9/27/2018	Fe-59	3.56E-01	1.45E+01	4.67E+01	U
TV	ONS4-V	460459003	9/27/2018	I-131	1.23E+01	9.59E+00	3.28E+01	U
TV	ONS4-V	460459003	9/27/2018	K-40	4.13E+03	3.44E+02	2.08E+02	
TV	ONS4-V	460459003	9/27/2018	La-140	1.14E+01	9.85E+00	3.52E+01	U
TV	ONS4-V	460459003	9/27/2018	Mn-54	5.09E-01	5.86E+00	1.92E+01	U
TV	ONS4-V	460459003	9/27/2018	Nb-95	-6.41E+00	6.77E+00	2.04E+01	U
TV	ONS4-V	460459003	9/27/2018	Ru-103	5.17E-01	5.92E+00	2.00E+01	U
TV	ONS4-V	460459003	9/27/2018	Ru-106	1.39E+02	7.56E+01	1.60E+02	U
TV	ONS4-V	460459003	9/27/2018	Sb-124	-8.45E+00	1.20E+01	3.60E+01	U
TV	ONS4-V	460459003	9/27/2018	Sb-125	-5.37E+00	1.68E+01	5.59E+01	U
TV	ONS4-V	460459003	9/27/2018	Se-75	-9.30E-02	9.06E+00	2.60E+01	U
TV	ONS4-V	460459003	9/27/2018	Th-228	1.80E+01	1.59E+01	4.43E+01	U
TV	ONS4-V	460459003	9/27/2018	Zn-65	5.47E+00	1.35E+01	4.02E+01	U
TV	ONS4-V	460459003	9/27/2018	Zr-95	2.22E+01	1.21E+01	4.01E+01	U
TV	ONS5-V	460459004	9/27/2018	Ac-228	1.97E+01	3.75E+01	1.15E+02	U
TV	ONS5-V	460459004	9/27/2018	Ag-108m	3.65E+00	5.88E+00	1.88E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	460459004	9/27/2018	Ag-110m	-9.69E+00	8.46E+00	2.52E+01	U
TV	ONS5-V	460459004	9/27/2018	Ba-140	3.25E+01	3.26E+01	1.08E+02	U
TV	ONS5-V	460459004	9/27/2018	Be-7	2.05E+03	1.62E+02	1.51E+02	
TV	ONS5-V	460459004	9/27/2018	Ce-141	-2.90E+01	1.36E+01	3.11E+01	U
TV	ONS5-V	460459004	9/27/2018	Ce-144	-2.08E+01	3.53E+01	1.09E+02	U
TV	ONS5-V	460459004	9/27/2018	Co-57	-3.94E+00	4.59E+00	1.40E+01	U
TV	ONS5-V	460459004	9/27/2018	Co-58	7.04E+00	6.31E+00	2.19E+01	U
TV	ONS5-V	460459004	9/27/2018	Co-60	8.66E+00	7.55E+00	2.58E+01	U
TV	ONS5-V	460459004	9/27/2018	Cr-51	2.57E+01	5.29E+01	1.80E+02	U
TV	ONS5-V	460459004	9/27/2018	Cs-134	9.91E+00	6.85E+00	2.37E+01	U
TV	ONS5-V	460459004	9/27/2018	Cs-137	7.37E+00	7.58E+00	2.48E+01	U
TV	ONS5-V	460459004	9/27/2018	Fe-59	1.90E+01	1.50E+01	5.10E+01	U
TV	ONS5-V	460459004	9/27/2018	I-131	8.25E+00	1.02E+01	3.42E+01	U
TV	ONS5-V	460459004	9/27/2018	K-40	3.17E+03	2.93E+02	1.86E+02	
TV	ONS5-V	460459004	9/27/2018	La-140	-2.90E+00	9.38E+00	3.06E+01	U
TV	ONS5-V	460459004	9/27/2018	Mn-54	2.17E+00	6.28E+00	2.15E+01	U
TV	ONS5-V	460459004	9/27/2018	Nb-95	1.82E+01	8.20E+00	2.65E+01	U
TV	ONS5-V	460459004	9/27/2018	Ru-103	3.04E+00	6.61E+00	2.19E+01	U
TV	ONS5-V	460459004	9/27/2018	Ru-106	1.06E+01	5.38E+01	1.74E+02	U
TV	ONS5-V	460459004	9/27/2018	Sb-124	2.10E+00	1.26E+01	4.21E+01	U
TV	ONS5-V	460459004	9/27/2018	Sb-125	6.85E+00	1.87E+01	5.61E+01	U
TV	ONS5-V	460459004	9/27/2018	Se-75	-8.46E+00	7.86E+00	2.49E+01	U
TV	ONS5-V	460459004	9/27/2018	Th-228	-2.49E+01	1.54E+01	3.88E+01	U
TV	ONS5-V	460459004	9/27/2018	Zn-65	-5.83E+00	1.63E+01	4.51E+01	U
TV	ONS5-V	460459004	9/27/2018	Zr-95	-1.39E+01	1.18E+01	3.58E+01	U
TV	ONS5-V	460459005	9/27/2018	Ac-228	3.51E+01	5.52E+01	1.07E+02	U
TV	ONS5-V	460459005	9/27/2018	Ag-108m	3.87E+00	4.98E+00	1.71E+01	U
TV	ONS5-V	460459005	9/27/2018	Ag-110m	2.39E+00	8.40E+00	2.74E+01	U
TV	ONS5-V	460459005	9/27/2018	Ba-140	5.06E+01	2.85E+01	9.53E+01	U
TV	ONS5-V	460459005	9/27/2018	Be-7	2.48E+03	1.93E+02	1.68E+02	
TV	ONS5-V	460459005	9/27/2018	Ce-141	-1.66E+01	1.03E+01	2.84E+01	U
TV	ONS5-V	460459005	9/27/2018	Ce-144	1.10E+01	3.49E+01	1.13E+02	U
TV	ONS5-V	460459005	9/27/2018	Co-57	1.74E+01	7.31E+00	1.50E+01	UI
TV	ONS5-V	460459005	9/27/2018	Co-58	6.19E+00	4.85E+00	1.67E+01	U
TV	ONS5-V	460459005	9/27/2018	Co-60	-9.57E-01	6.81E+00	2.24E+01	U
TV	ONS5-V	460459005	9/27/2018	Cr-51	-2.66E+01	5.28E+01	1.75E+02	U
TV	ONS5-V	460459005	9/27/2018	Cs-134	-1.10E+00	8.45E+00	2.41E+01	U
TV	ONS5-V	460459005	9/27/2018	Cs-137	3.21E+00	5.72E+00	1.92E+01	U
TV	ONS5-V	460459005	9/27/2018	Fe-59	-1.92E+01	1.61E+01	3.94E+01	U
TV	ONS5-V	460459005	9/27/2018	I-131	-3.16E+00	9.22E+00	3.06E+01	U
TV	ONS5-V	460459005	9/27/2018	K-40	4.58E+03	3.54E+02	2.27E+02	
TV	ONS5-V	460459005	9/27/2018	La-140	-3.39E+00	8.83E+00	2.75E+01	U
TV	ONS5-V	460459005	9/27/2018	Mn-54	4.03E+00	6.21E+00	2.06E+01	U
TV	ONS5-V	460459005	9/27/2018	Nb-95	-5.77E+00	7.73E+00	2.24E+01	U
TV	ONS5-V	460459005	9/27/2018	Ru-103	-8.35E+00	6.17E+00	1.79E+01	U
TV	ONS5-V	460459005	9/27/2018	Ru-106	1.19E+01	5.15E+01	1.71E+02	U
TV	ONS5-V	460459005	9/27/2018	Sb-124	4.46E+00	1.31E+01	4.44E+01	U
TV	ONS5-V	460459005	9/27/2018	Sb-125	7.53E+00	1.51E+01	5.15E+01	U
TV	ONS5-V	460459005	9/27/2018	Se-75	1.39E+01	8.22E+00	2.76E+01	U
TV	ONS5-V	460459005	9/27/2018	Th-228	6.93E+00	1.78E+01	3.19E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	460459005	9/27/2018	Zn-65	1.28E+00	1.44E+01	4.31E+01	U
TV	ONS5-V	460459005	9/27/2018	Zr-95	-4.52E+00	1.02E+01	3.16E+01	U
TV	ONS5-V	460459006	9/27/2018	Ac-228	1.19E+02	7.00E+01	1.42E+02	U
TV	ONS5-V	460459006	9/27/2018	Ag-108m	1.41E+00	7.16E+00	2.43E+01	U
TV	ONS5-V	460459006	9/27/2018	Ag-110m	-2.04E-01	1.17E+01	3.72E+01	U
TV	ONS5-V	460459006	9/27/2018	Ba-140	1.29E+02	5.20E+01	1.36E+02	U
TV	ONS5-V	460459006	9/27/2018	Be-7	3.13E+03	2.42E+02	2.21E+02	
TV	ONS5-V	460459006	9/27/2018	Ce-141	-6.73E+00	1.23E+01	3.82E+01	U
TV	ONS5-V	460459006	9/27/2018	Ce-144	-6.93E+01	4.88E+01	1.39E+02	U
TV	ONS5-V	460459006	9/27/2018	Co-57	1.04E+00	5.97E+00	1.95E+01	U
TV	ONS5-V	460459006	9/27/2018	Co-58	-4.33E-01	7.78E+00	2.49E+01	U
TV	ONS5-V	460459006	9/27/2018	Co-60	-5.84E+01	2.12E+01	3.48E+01	U
TV	ONS5-V	460459006	9/27/2018	Cr-51	-8.30E+01	6.77E+01	2.08E+02	U
TV	ONS5-V	460459006	9/27/2018	Cs-134	8.77E+00	9.13E+00	3.10E+01	U
TV	ONS5-V	460459006	9/27/2018	Cs-137	1.43E+01	9.84E+00	3.32E+01	U
TV	ONS5-V	460459006	9/27/2018	Fe-59	1.81E+01	1.98E+01	6.95E+01	U
TV	ONS5-V	460459006	9/27/2018	I-131	5.03E+00	1.35E+01	4.63E+01	U
TV	ONS5-V	460459006	9/27/2018	K-40	5.91E+03	4.93E+02	3.33E+02	
TV	ONS5-V	460459006	9/27/2018	La-140	-5.47E-01	1.44E+01	4.69E+01	U
TV	ONS5-V	460459006	9/27/2018	Mn-54	1.40E+01	9.34E+00	3.15E+01	U
TV	ONS5-V	460459006	9/27/2018	Nb-95	-2.11E+01	1.02E+01	2.31E+01	U
TV	ONS5-V	460459006	9/27/2018	Ru-103	8.77E+00	8.23E+00	2.82E+01	U
TV	ONS5-V	460459006	9/27/2018	Ru-106	1.12E+02	7.03E+01	2.40E+02	U
TV	ONS5-V	460459006	9/27/2018	Sb-124	-1.19E+01	2.10E+01	6.28E+01	U
TV	ONS5-V	460459006	9/27/2018	Sb-125	3.32E+01	2.44E+01	8.29E+01	U
TV	ONS5-V	460459006	9/27/2018	Se-75	-2.02E+00	1.11E+01	3.43E+01	U
TV	ONS5-V	460459006	9/27/2018	Th-228	2.28E+01	3.24E+01	5.69E+01	U
TV	ONS5-V	460459006	9/27/2018	Zn-65	9.05E+00	2.29E+01	7.07E+01	U
TV	ONS5-V	460459006	9/27/2018	Zr-95	8.35E+00	1.67E+01	5.54E+01	U
TV	OFS1-V	460459007	9/27/2018	Ac-228	-2.63E+01	5.36E+01	1.60E+02	U
TV	OFS1-V	460459007	9/27/2018	Ag-108m	9.04E-01	7.47E+00	2.49E+01	U
TV	OFS1-V	460459007	9/27/2018	Ag-110m	1.32E+01	1.36E+01	4.57E+01	U
TV	OFS1-V	460459007	9/27/2018	Ba-140	4.41E+01	4.04E+01	1.37E+02	U
TV	OFS1-V	460459007	9/27/2018	Be-7	2.07E+03	2.10E+02	2.20E+02	
TV	OFS1-V	460459007	9/27/2018	Ce-141	-2.63E+01	1.73E+01	4.68E+01	U
TV	OFS1-V	460459007	9/27/2018	Ce-144	-3.60E+01	5.37E+01	1.78E+02	U
TV	OFS1-V	460459007	9/27/2018	Co-57	-3.06E+00	6.79E+00	2.29E+01	U
TV	OFS1-V	460459007	9/27/2018	Co-58	-3.44E+00	8.29E+00	2.55E+01	U
TV	OFS1-V	460459007	9/27/2018	Co-60	-1.46E+01	1.61E+01	4.28E+01	U
TV	OFS1-V	460459007	9/27/2018	Cr-51	-5.71E+01	8.65E+01	2.78E+02	U
TV	OFS1-V	460459007	9/27/2018	Cs-134	5.59E+00	1.07E+01	3.57E+01	U
TV	OFS1-V	460459007	9/27/2018	Cs-137	1.36E+01	1.05E+01	3.53E+01	U
TV	OFS1-V	460459007	9/27/2018	Fe-59	1.24E+00	1.88E+01	6.42E+01	U
TV	OFS1-V	460459007	9/27/2018	I-131	-3.56E+01	1.65E+01	4.18E+01	U
TV	OFS1-V	460459007	9/27/2018	K-40	1.73E+03	3.09E+02	3.25E+02	
TV	OFS1-V	460459007	9/27/2018	La-140	-1.15E+01	1.53E+01	4.62E+01	U
TV	OFS1-V	460459007	9/27/2018	Mn-54	-1.80E+01	1.19E+01	3.17E+01	U
TV	OFS1-V	460459007	9/27/2018	Nb-95	1.75E+01	1.01E+01	3.37E+01	U
TV	OFS1-V	460459007	9/27/2018	Ru-103	3.36E+00	9.96E+00	3.32E+01	U
TV	OFS1-V	460459007	9/27/2018	Ru-106	6.31E+01	8.83E+01	2.70E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	OFS1-V	460459007	9/27/2018	Sb-124	3.32E+01	2.37E+01	8.63E+01	U
TV	OFS1-V	460459007	9/27/2018	Sb-125	-1.18E+01	2.43E+01	7.77E+01	U
TV	OFS1-V	460459007	9/27/2018	Se-75	-1.12E+01	1.10E+01	3.45E+01	U
TV	OFS1-V	460459007	9/27/2018	Th-228	-3.21E+01	2.58E+01	6.31E+01	U
TV	OFS1-V	460459007	9/27/2018	Zn-65	-5.25E+00	2.23E+01	6.51E+01	U
TV	OFS1-V	460459007	9/27/2018	Zr-95	-2.89E+00	1.53E+01	4.84E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	440977023	1/3/2018	Ac-228	9.34E+00	4.68E+00	1.16E+01	U
WD	STJ	440977023	1/3/2018	Ag-108m	-1.69E+00	1.03E+00	2.79E+00	U
WD	STJ	440977023	1/3/2018	Ag-110m	5.99E-01	1.50E+00	4.96E+00	U
WD	STJ	440977023	1/3/2018	Ba-140	-1.85E+00	4.97E+00	1.59E+01	U
WD	STJ	440977023	1/3/2018	Be-7	-5.37E+00	9.04E+00	2.85E+01	U
WD	STJ	440977023	1/3/2018	BETA	1.27E+00	1.08E+00	3.27E+00	U
WD	STJ	440977023	1/3/2018	Ce-141	-6.96E+00	2.57E+00	4.91E+00	U
WD	STJ	440977023	1/3/2018	Ce-144	1.09E+01	7.30E+00	2.38E+01	U
WD	STJ	440977023	1/3/2018	Co-57	-9.93E-01	1.04E+00	2.87E+00	U
WD	STJ	440977023	1/3/2018	Co-58	-8.68E-01	1.26E+00	3.17E+00	U
WD	STJ	440977023	1/3/2018	Co-60	1.37E+00	1.06E+00	3.92E+00	U
WD	STJ	440977023	1/3/2018	Cr-51	1.25E+01	1.02E+01	3.55E+01	U
WD	STJ	440977023	1/3/2018	Cs-134	5.98E-01	1.31E+00	3.96E+00	U
WD	STJ	440977023	1/3/2018	Cs-137	7.46E-01	1.88E+00	2.29E+00	U
WD	STJ	440977023	1/3/2018	Fe-59	8.58E-01	1.56E+00	5.61E+00	U
WD	STJ	440977023	1/3/2018	I-131	2.29E+00	1.89E+00	6.55E+00	U
WD	STJ	440977023	1/3/2018	K-40	-1.46E+01	1.48E+01	4.54E+01	U
WD	STJ	440977023	1/3/2018	La-140	-2.10E-01	1.65E+00	5.27E+00	U
WD	STJ	440977023	1/3/2018	Mn-54	4.84E+00	2.07E+00	2.62E+00	UI
WD	STJ	440977023	1/3/2018	Nb-95	-1.70E+00	1.20E+00	3.09E+00	U
WD	STJ	440977023	1/3/2018	Ru-103	-2.04E+00	1.32E+00	3.02E+00	U
WD	STJ	440977023	1/3/2018	Ru-106	2.95E+00	8.43E+00	2.84E+01	U
WD	STJ	440977023	1/3/2018	Sb-124	-1.70E+00	1.97E+00	4.99E+00	U
WD	STJ	440977023	1/3/2018	Sb-125	2.44E+00	2.83E+00	9.86E+00	U
WD	STJ	440977023	1/3/2018	Se-75	-1.77E-01	1.40E+00	4.32E+00	U
WD	STJ	440977023	1/3/2018	Th-228	-2.07E+00	2.49E+00	7.78E+00	U
WD	STJ	440977023	1/3/2018	Zn-65	5.60E-01	1.84E+00	6.39E+00	U
WD	STJ	440977023	1/3/2018	Zr-95	-2.43E+00	1.90E+00	4.92E+00	U
WD	STJ	440977024	1/3/2018	I-131	3.90E-02	1.09E-01	3.56E-01	U
WD	LTW	440977025	1/3/2018	Ac-228	1.35E+01	8.68E+00	2.15E+01	U
WD	LTW	440977025	1/3/2018	Ag-108m	8.48E-01	1.11E+00	3.77E+00	U
WD	LTW	440977025	1/3/2018	Ag-110m	-4.22E-01	1.57E+00	5.09E+00	U
WD	LTW	440977025	1/3/2018	Ba-140	2.92E+00	5.31E+00	1.78E+01	U
WD	LTW	440977025	1/3/2018	Be-7	-2.89E+00	1.00E+01	3.17E+01	U
WD	LTW	440977025	1/3/2018	BETA	9.99E-01	3.59E-01	1.07E+00	U
WD	LTW	440977025	1/3/2018	Ce-141	1.15E+00	3.03E+00	7.27E+00	U
WD	LTW	440977025	1/3/2018	Ce-144	-2.24E+00	8.61E+00	2.66E+01	U
WD	LTW	440977025	1/3/2018	Co-57	5.52E-01	1.11E+00	3.55E+00	U
WD	LTW	440977025	1/3/2018	Co-58	1.20E+00	1.35E+00	4.74E+00	U
WD	LTW	440977025	1/3/2018	Co-60	3.80E-01	1.27E+00	4.27E+00	U
WD	LTW	440977025	1/3/2018	Cr-51	-3.31E+01	1.59E+01	3.37E+01	U
WD	LTW	440977025	1/3/2018	Cs-134	4.79E-01	1.31E+00	4.54E+00	U
WD	LTW	440977025	1/3/2018	Cs-137	1.40E+00	1.27E+00	4.34E+00	U
WD	LTW	440977025	1/3/2018	Fe-59	4.50E-01	2.32E+00	6.92E+00	U
WD	LTW	440977025	1/3/2018	I-131	-1.03E-01	2.23E+00	6.57E+00	U
WD	LTW	440977025	1/3/2018	K-40	-2.36E+01	1.42E+01	3.85E+01	U
WD	LTW	440977025	1/3/2018	La-140	-1.14E+00	2.15E+00	6.75E+00	U
WD	LTW	440977025	1/3/2018	Mn-54	-1.84E+00	1.08E+00	2.56E+00	U
WD	LTW	440977025	1/3/2018	Nb-95	3.75E-01	1.28E+00	4.42E+00	U
WD	LTW	440977025	1/3/2018	Ru-103	-5.18E-01	1.31E+00	4.08E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	440977025	1/3/2018	Ru-106	1.58E+01	1.15E+01	3.90E+01	U
WD	LTW	440977025	1/3/2018	Sb-124	9.79E-01	2.24E+00	8.04E+00	U
WD	LTW	440977025	1/3/2018	Sb-125	3.92E+00	3.24E+00	1.11E+01	U
WD	LTW	440977025	1/3/2018	Se-75	-1.78E+00	1.63E+00	4.97E+00	U
WD	LTW	440977025	1/3/2018	Th-228	1.08E+01	5.71E+00	9.50E+00	UI
WD	LTW	440977025	1/3/2018	Zn-65	6.85E-01	2.81E+00	9.45E+00	U
WD	LTW	440977025	1/3/2018	Zr-95	1.19E+00	1.92E+00	6.79E+00	U
WD	LTW	440977026	1/3/2018	I-131	5.41E-02	1.06E-01	3.45E-01	U
WD	STJ	441943023	1/17/2018	Ac-228	6.54E+00	7.32E+00	2.04E+01	U
WD	STJ	441943023	1/17/2018	Ag-108m	9.94E-01	1.15E+00	3.61E+00	U
WD	STJ	441943023	1/17/2018	Ag-110m	2.96E-01	1.72E+00	5.84E+00	U
WD	STJ	441943023	1/17/2018	Ba-140	1.61E+01	7.45E+00	2.44E+01	U
WD	STJ	441943023	1/17/2018	Be-7	-1.18E+01	1.13E+01	3.32E+01	U
WD	STJ	441943023	1/17/2018	BETA	1.04E+00	9.67E-01	2.92E+00	U
WD	STJ	441943023	1/17/2018	Ce-141	-3.96E+00	2.27E+00	5.71E+00	U
WD	STJ	441943023	1/17/2018	Ce-144	-5.78E+00	7.16E+00	2.20E+01	U
WD	STJ	441943023	1/17/2018	Co-57	1.06E+00	9.34E-01	3.09E+00	U
WD	STJ	441943023	1/17/2018	Co-58	1.34E+00	1.18E+00	4.25E+00	U
WD	STJ	441943023	1/17/2018	Co-60	-1.31E+00	1.39E+00	3.74E+00	U
WD	STJ	441943023	1/17/2018	Cr-51	-4.07E+00	1.14E+01	3.76E+01	U
WD	STJ	441943023	1/17/2018	Cs-134	7.15E-01	1.43E+00	5.00E+00	U
WD	STJ	441943023	1/17/2018	Cs-137	5.03E-01	1.31E+00	3.89E+00	U
WD	STJ	441943023	1/17/2018	Fe-59	2.00E-01	3.25E+00	9.41E+00	U
WD	STJ	441943023	1/17/2018	I-131	5.21E+00	2.35E+00	7.65E+00	U
WD	STJ	441943023	1/17/2018	K-40	-1.16E+01	1.86E+01	6.19E+01	U
WD	STJ	441943023	1/17/2018	La-140	2.22E+00	2.05E+00	7.54E+00	U
WD	STJ	441943023	1/17/2018	Mn-54	-4.80E-02	1.27E+00	4.24E+00	U
WD	STJ	441943023	1/17/2018	Nb-95	1.12E+00	1.28E+00	4.54E+00	U
WD	STJ	441943023	1/17/2018	Ru-103	1.24E+00	1.28E+00	4.36E+00	U
WD	STJ	441943023	1/17/2018	Ru-106	-4.45E-01	1.15E+01	3.67E+01	U
WD	STJ	441943023	1/17/2018	Sb-124	1.21E+00	4.00E+00	1.37E+01	U
WD	STJ	441943023	1/17/2018	Sb-125	1.58E+00	3.47E+00	1.18E+01	U
WD	STJ	441943023	1/17/2018	Se-75	6.82E-01	1.59E+00	5.51E+00	U
WD	STJ	441943023	1/17/2018	Th-228	-1.41E+00	2.62E+00	7.72E+00	U
WD	STJ	441943023	1/17/2018	Zn-65	-1.23E+00	2.89E+00	9.00E+00	U
WD	STJ	441943023	1/17/2018	Zr-95	-3.58E+00	2.63E+00	6.05E+00	U
WD	STJ	441943024	1/17/2018	I-131	-3.86E-01	2.45E-01	7.82E-01	U
WD	LTW	441943025	1/17/2018	Ac-228	7.72E+00	9.42E+00	2.35E+01	U
WD	LTW	441943025	1/17/2018	Ag-108m	4.45E-01	1.15E+00	3.84E+00	U
WD	LTW	441943025	1/17/2018	Ag-110m	-3.18E+00	2.45E+00	6.46E+00	U
WD	LTW	441943025	1/17/2018	Ba-140	-1.12E+01	7.95E+00	2.15E+01	U
WD	LTW	441943025	1/17/2018	Be-7	-1.71E+01	1.35E+01	3.76E+01	U
WD	LTW	441943025	1/17/2018	BETA	5.42E-01	9.48E-01	2.98E+00	U
WD	LTW	441943025	1/17/2018	Ce-141	1.92E+00	2.31E+00	7.20E+00	U
WD	LTW	441943025	1/17/2018	Ce-144	3.68E+00	9.14E+00	2.70E+01	U
WD	LTW	441943025	1/17/2018	Co-57	-2.23E-01	1.02E+00	3.35E+00	U
WD	LTW	441943025	1/17/2018	Co-58	-3.68E-01	1.52E+00	4.76E+00	U
WD	LTW	441943025	1/17/2018	Co-60	-4.66E-01	2.11E+00	6.93E+00	U
WD	LTW	441943025	1/17/2018	Cr-51	-5.74E+00	1.58E+01	5.08E+01	U
WD	LTW	441943025	1/17/2018	Cs-134	-2.17E-01	1.96E+00	6.26E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	441943025	1/17/2018	Cs-137	4.54E+00	2.43E+00	5.32E+00	U
WD	LTW	441943025	1/17/2018	Fe-59	-1.85E-01	3.27E+00	1.07E+01	U
WD	LTW	441943025	1/17/2018	I-131	-1.61E+00	2.44E+00	7.55E+00	U
WD	LTW	441943025	1/17/2018	K-40	4.38E+00	2.07E+01	7.18E+01	U
WD	LTW	441943025	1/17/2018	La-140	-6.17E-01	2.81E+00	9.16E+00	U
WD	LTW	441943025	1/17/2018	Mn-54	3.33E-01	1.43E+00	4.70E+00	U
WD	LTW	441943025	1/17/2018	Nb-95	-9.11E-01	2.08E+00	6.44E+00	U
WD	LTW	441943025	1/17/2018	Ru-103	-3.67E+00	2.06E+00	5.06E+00	U
WD	LTW	441943025	1/17/2018	Ru-106	-5.05E+00	1.51E+01	4.74E+01	U
WD	LTW	441943025	1/17/2018	Sb-124	1.81E+00	2.96E+00	1.08E+01	U
WD	LTW	441943025	1/17/2018	Sb-125	1.06E+00	4.17E+00	1.38E+01	U
WD	LTW	441943025	1/17/2018	Se-75	1.89E-01	1.99E+00	6.55E+00	U
WD	LTW	441943025	1/17/2018	Th-228	-7.02E+00	3.49E+00	9.23E+00	U
WD	LTW	441943025	1/17/2018	Zn-65	5.33E+00	3.57E+00	1.18E+01	U
WD	LTW	441943025	1/17/2018	Zr-95	-2.10E+00	2.83E+00	8.32E+00	U
WD	LTW	441943026	1/17/2018	I-131	5.49E-02	1.76E-01	5.73E-01	U
WD	STJ	442971023	1/31/2018	Ac-228	4.51E-01	6.59E+00	2.10E+01	U
WD	STJ	442971023	1/31/2018	Ag-108m	4.35E-02	1.29E+00	4.33E+00	U
WD	STJ	442971023	1/31/2018	Ag-110m	3.53E+00	2.11E+00	7.34E+00	U
WD	STJ	442971023	1/31/2018	Ba-140	-1.51E+01	8.70E+00	2.14E+01	U
WD	STJ	442971023	1/31/2018	Be-7	-7.23E+00	1.17E+01	3.65E+01	U
WD	STJ	442971023	1/31/2018	BETA	9.62E-01	7.82E-01	2.25E+00	U
WD	STJ	442971023	1/31/2018	Ce-141	-6.38E+00	3.55E+00	8.63E+00	U
WD	STJ	442971023	1/31/2018	Ce-144	-5.89E+00	1.04E+01	3.22E+01	U
WD	STJ	442971023	1/31/2018	Co-57	-1.09E+00	1.37E+00	4.16E+00	U
WD	STJ	442971023	1/31/2018	Co-58	1.48E+00	1.48E+00	5.10E+00	U
WD	STJ	442971023	1/31/2018	Co-60	1.05E+00	1.34E+00	4.85E+00	U
WD	STJ	442971023	1/31/2018	Cr-51	1.32E+01	1.55E+01	5.38E+01	U
WD	STJ	442971023	1/31/2018	Cs-134	-1.60E-01	1.62E+00	5.19E+00	U
WD	STJ	442971023	1/31/2018	Cs-137	-3.16E-01	1.28E+00	4.07E+00	U
WD	STJ	442971023	1/31/2018	Fe-59	3.39E+00	3.19E+00	1.16E+01	U
WD	STJ	442971023	1/31/2018	I-131	-2.97E+00	3.70E+00	1.17E+01	U
WD	STJ	442971023	1/31/2018	K-40	-2.49E+01	2.22E+01	7.76E+01	U
WD	STJ	442971023	1/31/2018	La-140	-4.15E+00	3.73E+00	1.01E+01	U
WD	STJ	442971023	1/31/2018	Mn-54	-2.71E+00	1.65E+00	3.98E+00	U
WD	STJ	442971023	1/31/2018	Nb-95	2.93E-01	1.61E+00	4.73E+00	U
WD	STJ	442971023	1/31/2018	Ru-103	-5.38E-01	1.74E+00	5.66E+00	U
WD	STJ	442971023	1/31/2018	Ru-106	-8.74E+00	1.29E+01	3.92E+01	U
WD	STJ	442971023	1/31/2018	Sb-124	-3.33E+00	3.35E+00	8.69E+00	U
WD	STJ	442971023	1/31/2018	Sb-125	5.50E+00	4.33E+00	1.49E+01	U
WD	STJ	442971023	1/31/2018	Se-75	2.24E+00	2.04E+00	7.11E+00	U
WD	STJ	442971023	1/31/2018	Th-228	4.82E+00	4.58E+00	1.18E+01	U
WD	STJ	442971023	1/31/2018	Zn-65	-1.98E+00	2.55E+00	7.63E+00	U
WD	STJ	442971023	1/31/2018	Zr-95	9.16E-01	2.65E+00	8.83E+00	U
WD	STJ	442971024	1/31/2018	I-131	-6.94E-04	1.25E-01	4.11E-01	U
WD	LTW	442971025	1/31/2018	Ac-228	4.02E+00	4.88E+00	1.66E+01	U
WD	LTW	442971025	1/31/2018	Ag-108m	-6.88E-03	1.15E+00	3.85E+00	U
WD	LTW	442971025	1/31/2018	Ag-110m	2.22E-01	1.71E+00	5.88E+00	U
WD	LTW	442971025	1/31/2018	Ba-140	3.60E+00	7.81E+00	2.66E+01	U
WD	LTW	442971025	1/31/2018	Be-7	-2.21E+01	1.12E+01	2.58E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	442971025	1/31/2018	BETA	1.83E+00	9.09E-01	2.41E+00	U
WD	LTW	442971025	1/31/2018	Ce-141	1.07E-01	2.16E+00	7.05E+00	U
WD	LTW	442971025	1/31/2018	Ce-144	5.93E+00	7.16E+00	2.41E+01	U
WD	LTW	442971025	1/31/2018	Co-57	6.12E-01	9.69E-01	3.26E+00	U
WD	LTW	442971025	1/31/2018	Co-58	-1.45E+00	1.14E+00	2.75E+00	U
WD	LTW	442971025	1/31/2018	Co-60	2.79E-02	1.38E+00	4.53E+00	U
WD	LTW	442971025	1/31/2018	Cr-51	6.17E+00	1.27E+01	4.44E+01	U
WD	LTW	442971025	1/31/2018	Cs-134	-5.75E-01	1.31E+00	3.92E+00	U
WD	LTW	442971025	1/31/2018	Cs-137	-1.64E-01	1.25E+00	4.01E+00	U
WD	LTW	442971025	1/31/2018	Fe-59	1.94E+00	2.65E+00	9.47E+00	U
WD	LTW	442971025	1/31/2018	I-131	-2.71E+00	3.18E+00	9.95E+00	U
WD	LTW	442971025	1/31/2018	K-40	-1.12E+01	1.75E+01	5.76E+01	U
WD	LTW	442971025	1/31/2018	La-140	8.22E-01	2.92E+00	9.79E+00	U
WD	LTW	442971025	1/31/2018	Mn-54	5.65E-01	1.04E+00	3.53E+00	U
WD	LTW	442971025	1/31/2018	Nb-95	1.47E+00	1.50E+00	5.11E+00	U
WD	LTW	442971025	1/31/2018	Ru-103	-7.60E-01	1.25E+00	3.89E+00	U
WD	LTW	442971025	1/31/2018	Ru-106	7.89E+00	1.10E+01	2.96E+01	U
WD	LTW	442971025	1/31/2018	Sb-124	1.06E-01	3.87E+00	1.25E+01	U
WD	LTW	442971025	1/31/2018	Sb-125	2.60E-01	2.94E+00	9.93E+00	U
WD	LTW	442971025	1/31/2018	Se-75	-3.28E-01	1.87E+00	5.79E+00	U
WD	LTW	442971025	1/31/2018	Th-228	2.35E+00	3.81E+00	8.04E+00	U
WD	LTW	442971025	1/31/2018	Zn-65	5.14E-01	1.83E+00	6.38E+00	U
WD	LTW	442971025	1/31/2018	Zr-95	1.59E+00	2.24E+00	7.68E+00	U
WD	LTW	442971026	1/31/2018	I-131	-3.43E-01	1.68E-01	5.78E-01	U
WD	STJ	443970023	2/14/2018	Ac-228	7.20E+00	6.81E+00	1.42E+01	U
WD	STJ	443970023	2/14/2018	Ag-108m	-3.03E-01	8.74E-01	2.52E+00	U
WD	STJ	443970023	2/14/2018	Ag-110m	4.32E-01	1.35E+00	4.43E+00	U
WD	STJ	443970023	2/14/2018	Ba-140	-6.78E+00	6.49E+00	1.88E+01	U
WD	STJ	443970023	2/14/2018	Be-7	-1.32E+01	9.11E+00	2.48E+01	U
WD	STJ	443970023	2/14/2018	BETA	3.90E-01	7.82E-01	2.45E+00	U
WD	STJ	443970023	2/14/2018	Ce-141	-2.83E+00	2.43E+00	6.64E+00	U
WD	STJ	443970023	2/14/2018	Ce-144	-1.19E+01	6.94E+00	1.82E+01	U
WD	STJ	443970023	2/14/2018	Co-57	-8.17E-01	1.00E+00	2.94E+00	U
WD	STJ	443970023	2/14/2018	Co-58	2.07E+00	1.03E+00	3.64E+00	U
WD	STJ	443970023	2/14/2018	Co-60	1.50E+00	1.11E+00	4.08E+00	U
WD	STJ	443970023	2/14/2018	Cr-51	5.68E+00	1.02E+01	3.53E+01	U
WD	STJ	443970023	2/14/2018	Cs-134	-2.66E-01	1.14E+00	3.56E+00	U
WD	STJ	443970023	2/14/2018	Cs-137	-9.85E-01	1.01E+00	2.87E+00	U
WD	STJ	443970023	2/14/2018	Fe-59	-3.15E+00	2.96E+00	7.21E+00	U
WD	STJ	443970023	2/14/2018	I-131	-5.55E+00	2.94E+00	7.66E+00	U
WD	STJ	443970023	2/14/2018	K-40	-1.01E+01	1.79E+01	5.78E+01	U
WD	STJ	443970023	2/14/2018	La-140	3.16E+00	2.21E+00	8.24E+00	U
WD	STJ	443970023	2/14/2018	Mn-54	3.06E-02	1.15E+00	3.27E+00	U
WD	STJ	443970023	2/14/2018	Nb-95	-1.91E+00	1.25E+00	2.88E+00	U
WD	STJ	443970023	2/14/2018	Ru-103	-1.35E+00	1.29E+00	3.82E+00	U
WD	STJ	443970023	2/14/2018	Ru-106	3.64E+00	7.76E+00	2.64E+01	U
WD	STJ	443970023	2/14/2018	Sb-124	-3.39E+00	3.04E+00	7.91E+00	U
WD	STJ	443970023	2/14/2018	Sb-125	-1.21E+00	2.91E+00	8.35E+00	U
WD	STJ	443970023	2/14/2018	Se-75	-7.06E-01	1.22E+00	4.03E+00	U
WD	STJ	443970023	2/14/2018	Th-228	4.02E+00	3.83E+00	7.34E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	443970023	2/14/2018	Zn-65	-2.42E+00	2.01E+00	5.48E+00	U
WD	STJ	443970023	2/14/2018	Zr-95	1.52E+00	2.12E+00	7.19E+00	U
WD	STJ	443970024	2/14/2018	I-131	1.02E-01	2.43E-01	7.83E-01	U
WD	LTW	443970025	2/14/2018	Ac-228	8.02E+00	6.27E+00	1.88E+01	U
WD	LTW	443970025	2/14/2018	Ag-108m	-1.28E+00	1.07E+00	2.65E+00	U
WD	LTW	443970025	2/14/2018	Ag-110m	-8.85E-01	1.60E+00	4.77E+00	U
WD	LTW	443970025	2/14/2018	Ba-140	5.05E+00	6.21E+00	2.17E+01	U
WD	LTW	443970025	2/14/2018	Be-7	1.20E+01	9.60E+00	3.37E+01	U
WD	LTW	443970025	2/14/2018	BETA	8.79E-01	8.56E-01	2.55E+00	U
WD	LTW	443970025	2/14/2018	Ce-141	-5.49E-01	2.77E+00	7.68E+00	U
WD	LTW	443970025	2/14/2018	Ce-144	1.15E+00	8.46E+00	2.70E+01	U
WD	LTW	443970025	2/14/2018	Co-57	5.73E-01	1.15E+00	3.72E+00	U
WD	LTW	443970025	2/14/2018	Co-58	-4.08E-02	1.31E+00	4.22E+00	U
WD	LTW	443970025	2/14/2018	Co-60	-4.29E-01	1.19E+00	3.29E+00	U
WD	LTW	443970025	2/14/2018	Cr-51	2.50E+00	1.32E+01	4.20E+01	U
WD	LTW	443970025	2/14/2018	Cs-134	-5.80E-01	1.20E+00	3.65E+00	U
WD	LTW	443970025	2/14/2018	Cs-137	1.51E-01	1.14E+00	3.77E+00	U
WD	LTW	443970025	2/14/2018	Fe-59	-4.11E+00	2.24E+00	4.85E+00	U
WD	LTW	443970025	2/14/2018	I-131	2.72E+00	2.72E+00	9.54E+00	U
WD	LTW	443970025	2/14/2018	K-40	-5.83E+00	1.81E+01	5.72E+01	U
WD	LTW	443970025	2/14/2018	La-140	-2.01E+00	2.57E+00	7.41E+00	U
WD	LTW	443970025	2/14/2018	Mn-54	-8.71E-01	1.26E+00	3.72E+00	U
WD	LTW	443970025	2/14/2018	Nb-95	-5.39E-01	1.18E+00	3.13E+00	U
WD	LTW	443970025	2/14/2018	Ru-103	1.90E+00	1.32E+00	4.58E+00	U
WD	LTW	443970025	2/14/2018	Ru-106	9.30E+00	9.76E+00	3.39E+01	U
WD	LTW	443970025	2/14/2018	Sb-124	2.59E+00	2.39E+00	9.09E+00	U
WD	LTW	443970025	2/14/2018	Sb-125	-2.98E+00	3.23E+00	8.54E+00	U
WD	LTW	443970025	2/14/2018	Se-75	2.24E+00	1.75E+00	6.03E+00	U
WD	LTW	443970025	2/14/2018	Th-228	-8.89E-01	2.31E+00	7.50E+00	U
WD	LTW	443970025	2/14/2018	Zn-65	1.98E+00	2.10E+00	7.19E+00	U
WD	LTW	443970025	2/14/2018	Zr-95	-3.52E-01	1.99E+00	6.30E+00	U
WD	LTW	443970026	2/14/2018	I-131	-2.68E-01	2.17E-01	7.59E-01	U
WD	STJ	445028023	2/28/2018	Ac-228	6.35E+00	4.86E+00	1.33E+01	U
WD	STJ	445028023	2/28/2018	Ag-108m	9.28E-01	8.04E-01	2.67E+00	U
WD	STJ	445028023	2/28/2018	Ag-110m	4.64E-01	1.12E+00	3.87E+00	U
WD	STJ	445028023	2/28/2018	Ba-140	8.03E+00	4.51E+00	1.48E+01	U
WD	STJ	445028023	2/28/2018	Be-7	1.34E+01	8.30E+00	2.71E+01	U
WD	STJ	445028023	2/28/2018	BETA	1.09E+00	9.96E-01	2.93E+00	U
WD	STJ	445028023	2/28/2018	Ce-141	-8.47E-01	1.54E+00	5.07E+00	U
WD	STJ	445028023	2/28/2018	Ce-144	3.84E+00	6.14E+00	2.09E+01	U
WD	STJ	445028023	2/28/2018	Co-57	-5.50E-01	8.28E-01	2.71E+00	U
WD	STJ	445028023	2/28/2018	Co-58	3.40E-01	9.35E-01	2.89E+00	U
WD	STJ	445028023	2/28/2018	Co-60	1.62E-01	9.29E-01	3.12E+00	U
WD	STJ	445028023	2/28/2018	Cr-51	-4.31E+00	8.23E+00	2.63E+01	U
WD	STJ	445028023	2/28/2018	Cs-134	1.59E+00	9.90E-01	3.44E+00	U
WD	STJ	445028023	2/28/2018	Cs-137	-5.48E-01	9.41E-01	2.85E+00	U
WD	STJ	445028023	2/28/2018	Fe-59	1.55E+00	1.70E+00	5.94E+00	U
WD	STJ	445028023	2/28/2018	I-131	-1.74E+00	1.55E+00	4.64E+00	U
WD	STJ	445028023	2/28/2018	K-40	-4.02E+01	1.61E+01	3.39E+01	U
WD	STJ	445028023	2/28/2018	La-140	-1.76E-01	1.76E+00	4.99E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	445028023	2/28/2018	Mn-54	5.99E-01	8.94E-01	3.11E+00	U
WD	STJ	445028023	2/28/2018	Nb-95	1.96E-01	1.05E+00	3.36E+00	U
WD	STJ	445028023	2/28/2018	Ru-103	-1.44E+00	9.78E-01	2.69E+00	U
WD	STJ	445028023	2/28/2018	Ru-106	1.10E+01	8.84E+00	2.91E+01	U
WD	STJ	445028023	2/28/2018	Sb-124	5.90E-01	2.01E+00	6.75E+00	U
WD	STJ	445028023	2/28/2018	Sb-125	-2.02E+00	2.16E+00	6.46E+00	U
WD	STJ	445028023	2/28/2018	Se-75	1.85E-01	1.05E+00	3.49E+00	U
WD	STJ	445028023	2/28/2018	Th-228	2.96E-01	3.10E+00	6.10E+00	U
WD	STJ	445028023	2/28/2018	Zn-65	1.98E+00	1.85E+00	6.45E+00	U
WD	STJ	445028023	2/28/2018	Zr-95	-2.17E-01	1.95E+00	5.09E+00	U
WD	STJ	445028024	2/28/2018	I-131	-1.99E-01	1.67E-01	6.30E-01	U
WD	LTW	445028025	2/28/2018	Ac-228	-9.71E-01	5.06E+00	1.47E+01	U
WD	LTW	445028025	2/28/2018	Ag-108m	2.43E+00	1.59E+00	2.72E+00	U
WD	LTW	445028025	2/28/2018	Ag-110m	2.78E+00	1.35E+00	4.52E+00	U
WD	LTW	445028025	2/28/2018	Ba-140	2.79E+01	1.30E+01	1.25E+01	UI
WD	LTW	445028025	2/28/2018	Be-7	7.47E+00	8.08E+00	2.71E+01	U
WD	LTW	445028025	2/28/2018	BETA	3.05E-01	1.05E+00	3.38E+00	U
WD	LTW	445028025	2/28/2018	Ce-141	5.28E+00	2.72E+00	4.33E+00	UI
WD	LTW	445028025	2/28/2018	Ce-144	3.65E+00	5.34E+00	1.75E+01	U
WD	LTW	445028025	2/28/2018	Co-57	-1.28E+00	7.18E-01	2.01E+00	U
WD	LTW	445028025	2/28/2018	Co-58	-9.48E-02	8.90E-01	2.98E+00	U
WD	LTW	445028025	2/28/2018	Co-60	-8.39E-02	8.22E-01	2.61E+00	U
WD	LTW	445028025	2/28/2018	Cr-51	8.19E+00	8.18E+00	2.79E+01	U
WD	LTW	445028025	2/28/2018	Cs-134	7.22E-01	9.79E-01	3.40E+00	U
WD	LTW	445028025	2/28/2018	Cs-137	-9.89E-01	1.21E+00	3.38E+00	U
WD	LTW	445028025	2/28/2018	Fe-59	1.83E+00	2.02E+00	6.23E+00	U
WD	LTW	445028025	2/28/2018	I-131	3.31E+00	2.03E+00	4.93E+00	U
WD	LTW	445028025	2/28/2018	K-40	7.46E+01	2.32E+01	2.65E+01	UI
WD	LTW	445028025	2/28/2018	La-140	1.85E+00	1.44E+00	5.18E+00	U
WD	LTW	445028025	2/28/2018	Mn-54	-7.97E-01	8.39E-01	2.57E+00	U
WD	LTW	445028025	2/28/2018	Nb-95	1.26E+00	9.72E-01	3.37E+00	U
WD	LTW	445028025	2/28/2018	Ru-103	2.17E-01	9.68E-01	2.87E+00	U
WD	LTW	445028025	2/28/2018	Ru-106	-1.80E+01	1.03E+01	2.40E+01	U
WD	LTW	445028025	2/28/2018	Sb-124	2.80E-01	2.17E+00	6.68E+00	U
WD	LTW	445028025	2/28/2018	Sb-125	-3.61E+00	2.90E+00	7.57E+00	U
WD	LTW	445028025	2/28/2018	Se-75	-2.94E-01	1.02E+00	3.45E+00	U
WD	LTW	445028025	2/28/2018	Th-228	9.43E-01	2.82E+00	5.96E+00	U
WD	LTW	445028025	2/28/2018	Zn-65	-4.78E+00	2.40E+00	5.77E+00	U
WD	LTW	445028025	2/28/2018	Zr-95	-6.12E-01	1.59E+00	5.25E+00	U
WD	LTW	445028026	2/28/2018	I-131	4.38E-01	2.79E-01	8.17E-01	U
WD	STJ	446076023	3/14/2018	Ac-228	-4.94E+00	5.14E+00	1.54E+01	U
WD	STJ	446076023	3/14/2018	Ag-108m	-2.67E-01	9.60E-01	2.85E+00	U
WD	STJ	446076023	3/14/2018	Ag-110m	-1.29E+00	1.79E+00	3.81E+00	U
WD	STJ	446076023	3/14/2018	Ba-140	2.19E+00	3.93E+00	1.25E+01	U
WD	STJ	446076023	3/14/2018	Be-7	-7.98E+00	8.72E+00	2.69E+01	U
WD	STJ	446076023	3/14/2018	BETA	2.18E+00	9.77E-01	2.64E+00	U
WD	STJ	446076023	3/14/2018	Ce-141	8.35E-01	2.09E+00	6.79E+00	U
WD	STJ	446076023	3/14/2018	Ce-144	1.35E+01	8.06E+00	2.56E+01	U
WD	STJ	446076023	3/14/2018	Co-57	9.24E-02	9.30E-01	3.01E+00	U
WD	STJ	446076023	3/14/2018	Co-58	-6.23E-01	9.60E-01	2.90E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	446076023	3/14/2018	Co-60	7.25E-01	9.28E-01	3.14E+00	U
WD	STJ	446076023	3/14/2018	Cr-51	4.62E+00	8.16E+00	2.86E+01	U
WD	STJ	446076023	3/14/2018	Cs-134	-1.79E+00	1.19E+00	3.06E+00	U
WD	STJ	446076023	3/14/2018	Cs-137	-5.93E-01	1.04E+00	3.26E+00	U
WD	STJ	446076023	3/14/2018	Fe-59	1.79E+00	1.74E+00	6.16E+00	U
WD	STJ	446076023	3/14/2018	I-131	-1.56E-01	1.62E+00	5.50E+00	U
WD	STJ	446076023	3/14/2018	K-40	-1.63E+01	1.53E+01	5.17E+01	U
WD	STJ	446076023	3/14/2018	La-140	2.20E-01	1.39E+00	4.76E+00	U
WD	STJ	446076023	3/14/2018	Mn-54	2.17E+00	1.17E+00	3.21E+00	U
WD	STJ	446076023	3/14/2018	Nb-95	3.79E-01	9.29E-01	3.15E+00	U
WD	STJ	446076023	3/14/2018	Ru-103	-4.95E-01	1.06E+00	3.44E+00	U
WD	STJ	446076023	3/14/2018	Ru-106	1.05E+01	9.52E+00	3.06E+01	U
WD	STJ	446076023	3/14/2018	Sb-124	2.10E-01	2.02E+00	6.88E+00	U
WD	STJ	446076023	3/14/2018	Sb-125	4.57E-01	2.70E+00	9.23E+00	U
WD	STJ	446076023	3/14/2018	Se-75	-2.57E+00	1.77E+00	4.41E+00	U
WD	STJ	446076023	3/14/2018	Th-228	9.78E-01	3.36E+00	7.40E+00	U
WD	STJ	446076023	3/14/2018	Zn-65	1.62E+00	1.86E+00	6.07E+00	U
WD	STJ	446076023	3/14/2018	Zr-95	1.74E+00	1.93E+00	6.65E+00	U
WD	STJ	446076024	3/14/2018	I-131	-2.93E-01	2.43E-01	8.13E-01	U
WD	LTW	446076025	3/14/2018	Ac-228	-5.41E+00	5.77E+00	1.66E+01	U
WD	LTW	446076025	3/14/2018	Ag-108m	1.90E-01	9.33E-01	3.15E+00	U
WD	LTW	446076025	3/14/2018	Ag-110m	1.02E+00	1.72E+00	5.86E+00	U
WD	LTW	446076025	3/14/2018	Ba-140	8.65E+00	5.27E+00	1.88E+01	U
WD	LTW	446076025	3/14/2018	Be-7	-2.28E+00	1.13E+01	3.68E+01	U
WD	LTW	446076025	3/14/2018	BETA	-9.13E-01	9.91E-01	3.44E+00	U
WD	LTW	446076025	3/14/2018	Ce-141	-3.06E+00	2.61E+00	7.79E+00	U
WD	LTW	446076025	3/14/2018	Ce-144	1.39E+00	8.71E+00	3.01E+01	U
WD	LTW	446076025	3/14/2018	Co-57	1.64E+00	1.30E+00	4.44E+00	U
WD	LTW	446076025	3/14/2018	Co-58	-1.93E+00	1.43E+00	3.66E+00	U
WD	LTW	446076025	3/14/2018	Co-60	-3.68E-02	1.28E+00	4.32E+00	U
WD	LTW	446076025	3/14/2018	Cr-51	-5.33E+00	1.19E+01	3.87E+01	U
WD	LTW	446076025	3/14/2018	Cs-134	1.83E+00	1.53E+00	5.34E+00	U
WD	LTW	446076025	3/14/2018	Cs-137	-8.55E-01	1.60E+00	4.93E+00	U
WD	LTW	446076025	3/14/2018	Fe-59	-1.77E+00	2.39E+00	6.56E+00	U
WD	LTW	446076025	3/14/2018	I-131	-2.67E+00	2.03E+00	5.77E+00	U
WD	LTW	446076025	3/14/2018	K-40	2.84E+01	2.55E+01	4.41E+01	U
WD	LTW	446076025	3/14/2018	La-140	3.58E+00	2.52E+00	9.29E+00	U
WD	LTW	446076025	3/14/2018	Mn-54	3.86E-01	1.20E+00	4.01E+00	U
WD	LTW	446076025	3/14/2018	Nb-95	2.82E-01	1.27E+00	4.21E+00	U
WD	LTW	446076025	3/14/2018	Ru-103	-1.58E+00	1.36E+00	3.90E+00	U
WD	LTW	446076025	3/14/2018	Ru-106	-2.15E+01	1.34E+01	2.68E+01	U
WD	LTW	446076025	3/14/2018	Sb-124	-2.66E+00	2.92E+00	7.94E+00	U
WD	LTW	446076025	3/14/2018	Sb-125	-3.89E+00	3.81E+00	1.14E+01	U
WD	LTW	446076025	3/14/2018	Se-75	7.81E-01	1.77E+00	6.08E+00	U
WD	LTW	446076025	3/14/2018	Th-228	9.02E-01	5.08E+00	9.74E+00	U
WD	LTW	446076025	3/14/2018	Zn-65	-1.69E+00	3.07E+00	8.99E+00	U
WD	LTW	446076025	3/14/2018	Zr-95	1.15E+00	2.39E+00	8.05E+00	U
WD	LTW	446076026	3/14/2018	I-131	-1.91E-01	1.96E-01	6.59E-01	U
WD	STJ	447023023	3/28/2018	Ac-228	7.49E-01	6.41E+00	2.16E+01	U
WD	STJ	447023023	3/28/2018	Ag-108m	-2.00E-01	1.29E+00	3.76E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	447023023	3/28/2018	Ag-110m	9.47E-01	1.64E+00	5.74E+00	U
WD	STJ	447023023	3/28/2018	Ba-140	7.29E-01	8.63E+00	2.82E+01	U
WD	STJ	447023023	3/28/2018	Be-7	-3.63E+00	1.48E+01	4.28E+01	U
WD	STJ	447023023	3/28/2018	BETA	1.75E+00	8.68E-01	2.28E+00	U
WD	STJ	447023023	3/28/2018	Ce-141	-1.12E-01	2.44E+00	7.86E+00	U
WD	STJ	447023023	3/28/2018	Ce-144	2.24E+01	1.26E+01	2.54E+01	U
WD	STJ	447023023	3/28/2018	Co-57	4.72E-01	9.46E-01	3.13E+00	U
WD	STJ	447023023	3/28/2018	Co-58	-1.69E+00	1.31E+00	3.65E+00	U
WD	STJ	447023023	3/28/2018	Co-60	-5.90E-01	1.36E+00	4.07E+00	U
WD	STJ	447023023	3/28/2018	Cr-51	1.93E+01	2.41E+01	4.24E+01	U
WD	STJ	447023023	3/28/2018	Cs-134	-9.89E-01	1.42E+00	4.43E+00	U
WD	STJ	447023023	3/28/2018	Cs-137	-8.52E-01	1.45E+00	3.75E+00	U
WD	STJ	447023023	3/28/2018	Fe-59	-1.73E+00	3.11E+00	9.51E+00	U
WD	STJ	447023023	3/28/2018	I-131	3.30E+01	1.36E+01	1.00E+01	UI
WD	STJ	447023023	3/28/2018	K-40	3.47E+01	1.84E+01	5.70E+01	U
WD	STJ	447023023	3/28/2018	La-140	3.45E+00	2.52E+00	9.53E+00	U
WD	STJ	447023023	3/28/2018	Mn-54	-2.05E+00	1.26E+00	3.23E+00	U
WD	STJ	447023023	3/28/2018	Nb-95	7.20E-01	1.64E+00	5.68E+00	U
WD	STJ	447023023	3/28/2018	Ru-103	1.53E-02	1.56E+00	4.54E+00	U
WD	STJ	447023023	3/28/2018	Ru-106	6.84E+00	1.32E+01	4.38E+01	U
WD	STJ	447023023	3/28/2018	Sb-124	-6.54E-01	3.09E+00	9.95E+00	U
WD	STJ	447023023	3/28/2018	Sb-125	1.37E+00	3.42E+00	1.05E+01	U
WD	STJ	447023023	3/28/2018	Se-75	-9.56E-01	1.73E+00	5.75E+00	U
WD	STJ	447023023	3/28/2018	Th-228	7.74E+00	5.59E+00	8.54E+00	U
WD	STJ	447023023	3/28/2018	Zn-65	-4.12E+00	2.23E+00	4.07E+00	U
WD	STJ	447023023	3/28/2018	Zr-95	5.96E-01	2.48E+00	8.55E+00	U
WD	STJ	447023024	3/28/2018	I-131	4.04E-02	2.62E-01	8.55E-01	U
WD	LTW	447023025	3/28/2018	Ac-228	-9.81E-01	5.08E+00	1.47E+01	U
WD	LTW	447023025	3/28/2018	Ag-108m	-6.28E-01	8.71E-01	2.70E+00	U
WD	LTW	447023025	3/28/2018	Ag-110m	-1.98E+00	1.41E+00	3.88E+00	U
WD	LTW	447023025	3/28/2018	Ba-140	-8.05E-01	6.43E+00	2.07E+01	U
WD	LTW	447023025	3/28/2018	Be-7	-4.70E+00	9.99E+00	3.16E+01	U
WD	LTW	447023025	3/28/2018	BETA	-3.49E-01	6.21E-01	2.13E+00	U
WD	LTW	447023025	3/28/2018	Ce-141	7.63E-01	2.05E+00	6.60E+00	U
WD	LTW	447023025	3/28/2018	Ce-144	-1.06E+01	7.53E+00	2.12E+01	U
WD	LTW	447023025	3/28/2018	Co-57	7.52E-02	8.93E-01	2.88E+00	U
WD	LTW	447023025	3/28/2018	Co-58	-2.64E+00	1.26E+00	3.11E+00	U
WD	LTW	447023025	3/28/2018	Co-60	-6.58E-01	1.11E+00	3.31E+00	U
WD	LTW	447023025	3/28/2018	Cr-51	2.24E+01	1.15E+01	3.81E+01	U
WD	LTW	447023025	3/28/2018	Cs-134	8.73E-01	1.22E+00	4.28E+00	U
WD	LTW	447023025	3/28/2018	Cs-137	-7.86E-01	1.09E+00	3.22E+00	U
WD	LTW	447023025	3/28/2018	Fe-59	5.68E-01	2.55E+00	7.63E+00	U
WD	LTW	447023025	3/28/2018	I-131	-1.37E-01	3.09E+00	1.03E+01	U
WD	LTW	447023025	3/28/2018	K-40	2.19E+01	1.48E+01	1.64E+01	UI
WD	LTW	447023025	3/28/2018	La-140	-4.11E+00	2.89E+00	7.13E+00	U
WD	LTW	447023025	3/28/2018	Mn-54	-2.30E-01	9.46E-01	3.10E+00	U
WD	LTW	447023025	3/28/2018	Nb-95	1.15E+00	1.15E+00	3.86E+00	U
WD	LTW	447023025	3/28/2018	Ru-103	-1.10E+00	1.24E+00	3.74E+00	U
WD	LTW	447023025	3/28/2018	Ru-106	1.01E+01	9.69E+00	3.28E+01	U
WD	LTW	447023025	3/28/2018	Sb-124	-1.85E-01	2.50E+00	8.35E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	447023025	3/28/2018	Sb-125	4.19E+00	3.06E+00	1.04E+01	U
WD	LTW	447023025	3/28/2018	Se-75	-9.72E-01	1.33E+00	4.32E+00	U
WD	LTW	447023025	3/28/2018	Th-228	3.56E+00	3.92E+00	7.41E+00	U
WD	LTW	447023025	3/28/2018	Zn-65	-1.00E+00	2.23E+00	7.02E+00	U
WD	LTW	447023025	3/28/2018	Zr-95	-3.46E+00	2.53E+00	6.68E+00	U
WD	LTW	447023026	3/28/2018	I-131	-1.46E-01	2.59E-01	8.75E-01	U
WD	STJ	451282001	3/28/2018	H-3	3.47E+02	3.50E+02	1.09E+03	U
WD	LTW	451282002	3/28/2018	H-3	1.04E+03	4.06E+02	1.12E+03	U
WD	STJ	448019023	4/11/2018	Ac-228	6.62E+00	7.33E+00	1.91E+01	U
WD	STJ	448019023	4/11/2018	Ag-108m	-7.89E-01	1.09E+00	3.39E+00	U
WD	STJ	448019023	4/11/2018	Ag-110m	2.38E+00	1.75E+00	6.36E+00	U
WD	STJ	448019023	4/11/2018	Ba-140	6.65E+00	6.48E+00	1.56E+01	U
WD	STJ	448019023	4/11/2018	Be-7	-1.60E+01	9.21E+00	2.24E+01	U
WD	STJ	448019023	4/11/2018	BETA	7.69E-01	1.07E+00	3.41E+00	U
WD	STJ	448019023	4/11/2018	Ce-141	-2.15E+00	2.31E+00	6.21E+00	U
WD	STJ	448019023	4/11/2018	Ce-144	-1.19E+01	7.85E+00	2.20E+01	U
WD	STJ	448019023	4/11/2018	Co-57	1.30E+00	9.77E-01	3.28E+00	U
WD	STJ	448019023	4/11/2018	Co-58	-2.84E-01	1.29E+00	3.99E+00	U
WD	STJ	448019023	4/11/2018	Co-60	1.05E+00	1.43E+00	5.06E+00	U
WD	STJ	448019023	4/11/2018	Cr-51	-8.41E-01	9.96E+00	3.39E+01	U
WD	STJ	448019023	4/11/2018	Cs-134	-4.51E-02	1.54E+00	4.90E+00	U
WD	STJ	448019023	4/11/2018	Cs-137	1.74E+00	2.05E+00	2.80E+00	U
WD	STJ	448019023	4/11/2018	Fe-59	-2.57E+00	2.85E+00	8.36E+00	U
WD	STJ	448019023	4/11/2018	I-131	-2.90E+00	1.67E+00	4.32E+00	U
WD	STJ	448019023	4/11/2018	K-40	-1.48E+01	1.95E+01	5.88E+01	U
WD	STJ	448019023	4/11/2018	La-140	9.14E-01	1.49E+00	5.36E+00	U
WD	STJ	448019023	4/11/2018	Mn-54	-1.14E+00	1.20E+00	3.26E+00	U
WD	STJ	448019023	4/11/2018	Nb-95	1.07E-01	1.19E+00	3.85E+00	U
WD	STJ	448019023	4/11/2018	Ru-103	-9.49E-01	1.08E+00	3.20E+00	U
WD	STJ	448019023	4/11/2018	Ru-106	-8.20E+00	1.01E+01	2.96E+01	U
WD	STJ	448019023	4/11/2018	Sb-124	-5.56E+00	3.40E+00	6.33E+00	U
WD	STJ	448019023	4/11/2018	Sb-125	-1.34E+00	3.18E+00	1.03E+01	U
WD	STJ	448019023	4/11/2018	Se-75	-2.04E-01	1.61E+00	5.00E+00	U
WD	STJ	448019023	4/11/2018	Th-228	7.93E+00	5.02E+00	8.78E+00	U
WD	STJ	448019023	4/11/2018	Zn-65	-2.85E+00	3.44E+00	1.04E+01	U
WD	STJ	448019023	4/11/2018	Zr-95	-3.62E+00	2.04E+00	4.12E+00	U
WD	STJ	448019024	4/11/2018	I-131	-3.25E-01	2.49E-01	8.54E-01	U
WD	LTW	448019025	4/11/2018	Ac-228	-9.62E+00	6.03E+00	1.67E+01	U
WD	LTW	448019025	4/11/2018	Ag-108m	5.70E-01	9.88E-01	3.38E+00	U
WD	LTW	448019025	4/11/2018	Ag-110m	5.62E-01	1.34E+00	4.68E+00	U
WD	LTW	448019025	4/11/2018	Ba-140	8.76E+00	6.04E+00	2.07E+01	U
WD	LTW	448019025	4/11/2018	Be-7	-1.98E+00	9.20E+00	2.97E+01	U
WD	LTW	448019025	4/11/2018	BETA	7.37E-01	1.02E+00	3.26E+00	U
WD	LTW	448019025	4/11/2018	Ce-141	-3.19E+00	2.34E+00	6.32E+00	U
WD	LTW	448019025	4/11/2018	Ce-144	-3.14E+00	7.39E+00	2.31E+01	U
WD	LTW	448019025	4/11/2018	Co-57	6.47E-01	9.15E-01	3.01E+00	U
WD	LTW	448019025	4/11/2018	Co-58	-1.25E+00	1.16E+00	3.40E+00	U
WD	LTW	448019025	4/11/2018	Co-60	2.47E+00	1.40E+00	4.51E+00	U
WD	LTW	448019025	4/11/2018	Cr-51	1.01E+01	9.60E+00	3.34E+01	U
WD	LTW	448019025	4/11/2018	Cs-134	-1.09E-01	1.08E+00	3.65E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	448019025	4/11/2018	Cs-137	1.61E-01	1.35E+00	4.39E+00	U
WD	LTW	448019025	4/11/2018	Fe-59	1.97E+00	2.12E+00	7.61E+00	U
WD	LTW	448019025	4/11/2018	I-131	-1.25E+00	1.84E+00	5.81E+00	U
WD	LTW	448019025	4/11/2018	K-40	5.89E+00	1.78E+01	6.56E+01	U
WD	LTW	448019025	4/11/2018	La-140	-1.34E-01	2.09E+00	6.64E+00	U
WD	LTW	448019025	4/11/2018	Mn-54	-2.42E+00	1.28E+00	2.24E+00	U
WD	LTW	448019025	4/11/2018	Nb-95	1.68E+00	1.05E+00	3.72E+00	U
WD	LTW	448019025	4/11/2018	Ru-103	-2.43E+00	1.41E+00	3.62E+00	U
WD	LTW	448019025	4/11/2018	Ru-106	-7.54E+00	1.04E+01	3.09E+01	U
WD	LTW	448019025	4/11/2018	Sb-124	2.05E+00	3.03E+00	1.09E+01	U
WD	LTW	448019025	4/11/2018	Sb-125	1.44E+00	2.94E+00	1.00E+01	U
WD	LTW	448019025	4/11/2018	Se-75	-5.80E-01	1.50E+00	4.47E+00	U
WD	LTW	448019025	4/11/2018	Th-228	-1.56E+00	2.59E+00	8.03E+00	U
WD	LTW	448019025	4/11/2018	Zn-65	-2.98E+00	2.32E+00	5.98E+00	U
WD	LTW	448019025	4/11/2018	Zr-95	1.61E+00	1.76E+00	6.09E+00	U
WD	LTW	448019026	4/11/2018	I-131	-7.08E-01	1.68E-01	7.41E-01	U
WD	STJ	449005023	4/25/2018	Ac-228	4.52E+00	7.11E+00	1.81E+01	U
WD	STJ	449005023	4/25/2018	Ag-108m	8.56E-01	1.15E+00	3.84E+00	U
WD	STJ	449005023	4/25/2018	Ag-110m	-2.82E+00	1.70E+00	4.20E+00	U
WD	STJ	449005023	4/25/2018	Ba-140	-3.94E+00	6.72E+00	1.89E+01	U
WD	STJ	449005023	4/25/2018	Be-7	-7.93E+00	1.24E+01	3.73E+01	U
WD	STJ	449005023	4/25/2018	BETA	-2.94E+00	4.58E-01	1.65E+00	U
WD	STJ	449005023	4/25/2018	Ce-141	-4.59E+00	2.77E+00	7.72E+00	U
WD	STJ	449005023	4/25/2018	Ce-144	1.64E+01	9.56E+00	3.14E+01	U
WD	STJ	449005023	4/25/2018	Co-57	1.14E+00	1.24E+00	4.19E+00	U
WD	STJ	449005023	4/25/2018	Co-58	6.30E-01	1.11E+00	3.55E+00	U
WD	STJ	449005023	4/25/2018	Co-60	1.55E+00	1.27E+00	4.59E+00	U
WD	STJ	449005023	4/25/2018	Cr-51	3.26E+00	1.11E+01	3.66E+01	U
WD	STJ	449005023	4/25/2018	Cs-134	1.51E+00	1.78E+00	5.65E+00	U
WD	STJ	449005023	4/25/2018	Cs-137	1.31E+00	1.42E+00	5.02E+00	U
WD	STJ	449005023	4/25/2018	Fe-59	3.45E-01	2.31E+00	7.78E+00	U
WD	STJ	449005023	4/25/2018	I-131	-4.63E-01	2.06E+00	6.53E+00	U
WD	STJ	449005023	4/25/2018	K-40	-2.48E+01	1.40E+01	3.56E+01	U
WD	STJ	449005023	4/25/2018	La-140	-1.36E+00	2.67E+00	8.07E+00	U
WD	STJ	449005023	4/25/2018	Mn-54	-2.27E-01	1.28E+00	4.14E+00	U
WD	STJ	449005023	4/25/2018	Nb-95	1.61E+00	1.44E+00	4.68E+00	U
WD	STJ	449005023	4/25/2018	Ru-103	-2.32E+00	1.49E+00	3.80E+00	U
WD	STJ	449005023	4/25/2018	Ru-106	-2.20E+01	1.31E+01	3.55E+01	U
WD	STJ	449005023	4/25/2018	Sb-124	-3.48E+00	3.53E+00	9.46E+00	U
WD	STJ	449005023	4/25/2018	Sb-125	3.30E+00	3.68E+00	1.23E+01	U
WD	STJ	449005023	4/25/2018	Se-75	-3.11E+00	1.87E+00	5.09E+00	U
WD	STJ	449005023	4/25/2018	Th-228	2.98E+00	4.56E+00	8.50E+00	U
WD	STJ	449005023	4/25/2018	Zn-65	-2.05E-01	2.54E+00	8.34E+00	U
WD	STJ	449005023	4/25/2018	Zr-95	-1.01E+00	2.22E+00	7.14E+00	U
WD	STJ	449005024	4/25/2018	I-131	3.80E-01	1.40E-01	4.32E-01	U
WD	LTW	449005025	4/25/2018	Ac-228	1.66E+01	7.16E+00	1.82E+01	U
WD	LTW	449005025	4/25/2018	Ag-108m	-9.20E-01	8.74E-01	2.56E+00	U
WD	LTW	449005025	4/25/2018	Ag-110m	-1.28E+00	1.29E+00	3.77E+00	U
WD	LTW	449005025	4/25/2018	Ba-140	-9.64E-01	5.81E+00	1.87E+01	U
WD	LTW	449005025	4/25/2018	Be-7	-8.50E+00	8.71E+00	2.56E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	449005025	4/25/2018	BETA	2.08E+00	9.82E-01	2.64E+00	U
WD	LTW	449005025	4/25/2018	Ce-141	9.80E-01	2.92E+00	6.12E+00	U
WD	LTW	449005025	4/25/2018	Ce-144	-3.31E+00	7.79E+00	2.45E+01	U
WD	LTW	449005025	4/25/2018	Co-57	-2.46E-01	1.02E+00	3.25E+00	U
WD	LTW	449005025	4/25/2018	Co-58	1.37E+00	1.17E+00	1.87E+00	U
WD	LTW	449005025	4/25/2018	Co-60	-6.52E-01	1.05E+00	3.07E+00	U
WD	LTW	449005025	4/25/2018	Cr-51	-1.54E+01	1.08E+01	2.92E+01	U
WD	LTW	449005025	4/25/2018	Cs-134	-2.92E-01	1.38E+00	4.28E+00	U
WD	LTW	449005025	4/25/2018	Cs-137	-7.84E-01	1.15E+00	3.40E+00	U
WD	LTW	449005025	4/25/2018	Fe-59	-2.73E-01	2.17E+00	7.10E+00	U
WD	LTW	449005025	4/25/2018	I-131	2.71E+00	2.00E+00	6.94E+00	U
WD	LTW	449005025	4/25/2018	K-40	-3.82E+00	1.92E+01	5.82E+01	U
WD	LTW	449005025	4/25/2018	La-140	1.04E-01	1.99E+00	6.45E+00	U
WD	LTW	449005025	4/25/2018	Mn-54	-4.15E-01	1.06E+00	3.45E+00	U
WD	LTW	449005025	4/25/2018	Nb-95	-3.33E-01	1.27E+00	3.91E+00	U
WD	LTW	449005025	4/25/2018	Ru-103	-1.38E+00	1.30E+00	3.25E+00	U
WD	LTW	449005025	4/25/2018	Ru-106	-1.37E+01	1.04E+01	2.79E+01	U
WD	LTW	449005025	4/25/2018	Sb-124	-3.81E-01	2.37E+00	7.34E+00	U
WD	LTW	449005025	4/25/2018	Sb-125	4.50E-01	2.93E+00	9.83E+00	U
WD	LTW	449005025	4/25/2018	Se-75	6.85E-02	1.66E+00	5.68E+00	U
WD	LTW	449005025	4/25/2018	Th-228	5.02E+00	4.17E+00	8.43E+00	U
WD	LTW	449005025	4/25/2018	Zn-65	7.93E-01	2.39E+00	7.34E+00	U
WD	LTW	449005025	4/25/2018	Zr-95	2.35E+00	2.06E+00	7.08E+00	U
WD	LTW	449005026	4/25/2018	I-131	1.62E-01	9.73E-02	3.04E-01	U
WD	STJ	449998023	5/9/2018	Ac-228	-2.05E+00	4.85E+00	1.52E+01	U
WD	STJ	449998023	5/9/2018	Ag-108m	-2.07E-01	9.83E-01	3.21E+00	U
WD	STJ	449998023	5/9/2018	Ag-110m	4.66E-02	1.28E+00	4.36E+00	U
WD	STJ	449998023	5/9/2018	Ba-140	8.19E+00	5.02E+00	1.73E+01	U
WD	STJ	449998023	5/9/2018	Be-7	-2.84E+00	9.45E+00	3.04E+01	U
WD	STJ	449998023	5/9/2018	BETA	8.71E-01	4.29E-01	1.33E+00	U
WD	STJ	449998023	5/9/2018	Ce-141	-4.08E+00	2.38E+00	6.20E+00	U
WD	STJ	449998023	5/9/2018	Ce-144	-5.04E+00	8.32E+00	2.58E+01	U
WD	STJ	449998023	5/9/2018	Co-57	4.59E-01	9.95E-01	3.27E+00	U
WD	STJ	449998023	5/9/2018	Co-58	2.95E+00	9.33E-01	2.56E+00	UI
WD	STJ	449998023	5/9/2018	Co-60	-5.17E-01	1.32E+00	3.49E+00	U
WD	STJ	449998023	5/9/2018	Cr-51	1.51E+01	9.33E+00	3.22E+01	U
WD	STJ	449998023	5/9/2018	Cs-134	1.61E+00	1.19E+00	4.14E+00	U
WD	STJ	449998023	5/9/2018	Cs-137	-2.36E-01	1.10E+00	3.47E+00	U
WD	STJ	449998023	5/9/2018	Fe-59	-3.68E-01	1.71E+00	5.51E+00	U
WD	STJ	449998023	5/9/2018	I-131	-1.74E+00	1.55E+00	4.64E+00	U
WD	STJ	449998023	5/9/2018	K-40	-1.89E+01	1.72E+01	5.03E+01	U
WD	STJ	449998023	5/9/2018	La-140	1.64E+00	1.67E+00	5.99E+00	U
WD	STJ	449998023	5/9/2018	Mn-54	-7.02E-01	1.03E+00	3.24E+00	U
WD	STJ	449998023	5/9/2018	Nb-95	9.96E-01	9.15E-01	3.20E+00	U
WD	STJ	449998023	5/9/2018	Ru-103	-1.25E-01	1.07E+00	3.47E+00	U
WD	STJ	449998023	5/9/2018	Ru-106	-1.31E+01	1.09E+01	3.01E+01	U
WD	STJ	449998023	5/9/2018	Sb-124	-2.18E+00	2.87E+00	7.93E+00	U
WD	STJ	449998023	5/9/2018	Sb-125	-8.64E-01	2.83E+00	9.18E+00	U
WD	STJ	449998023	5/9/2018	Se-75	2.43E+00	1.89E+00	5.54E+00	U
WD	STJ	449998023	5/9/2018	Th-228	7.17E+00	3.74E+00	7.34E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	449998023	5/9/2018	Zn-65	5.78E-01	2.08E+00	7.11E+00	U
WD	STJ	449998023	5/9/2018	Zr-95	-2.81E-02	1.96E+00	6.23E+00	U
WD	STJ	449998024	5/9/2018	I-131	-2.17E-01	2.69E-01	9.16E-01	U
WD	LTW	449998025	5/9/2018	Ac-228	-2.28E-01	5.13E+00	1.62E+01	U
WD	LTW	449998025	5/9/2018	Ag-108m	-4.04E-01	1.02E+00	3.30E+00	U
WD	LTW	449998025	5/9/2018	Ag-110m	-1.00E+00	1.76E+00	5.28E+00	U
WD	LTW	449998025	5/9/2018	Ba-140	-1.60E+00	4.97E+00	1.60E+01	U
WD	LTW	449998025	5/9/2018	Be-7	4.75E+00	1.02E+01	3.49E+01	U
WD	LTW	449998025	5/9/2018	BETA	1.08E+00	4.74E-01	1.46E+00	U
WD	LTW	449998025	5/9/2018	Ce-141	-6.78E-01	2.18E+00	6.20E+00	U
WD	LTW	449998025	5/9/2018	Ce-144	-1.01E+01	9.69E+00	2.52E+01	U
WD	LTW	449998025	5/9/2018	Co-57	5.20E-01	1.20E+00	3.87E+00	U
WD	LTW	449998025	5/9/2018	Co-58	9.57E-01	1.06E+00	3.67E+00	U
WD	LTW	449998025	5/9/2018	Co-60	-4.46E-01	1.12E+00	3.56E+00	U
WD	LTW	449998025	5/9/2018	Cr-51	-6.72E+00	1.09E+01	3.14E+01	U
WD	LTW	449998025	5/9/2018	Cs-134	1.39E+00	1.31E+00	4.54E+00	U
WD	LTW	449998025	5/9/2018	Cs-137	-2.60E-01	1.22E+00	3.90E+00	U
WD	LTW	449998025	5/9/2018	Fe-59	3.34E-02	1.97E+00	6.70E+00	U
WD	LTW	449998025	5/9/2018	I-131	9.08E-01	1.72E+00	5.94E+00	U
WD	LTW	449998025	5/9/2018	K-40	-2.03E+01	1.82E+01	5.75E+01	U
WD	LTW	449998025	5/9/2018	La-140	-1.02E+00	1.64E+00	4.88E+00	U
WD	LTW	449998025	5/9/2018	Mn-54	-6.13E-01	9.69E-01	2.83E+00	U
WD	LTW	449998025	5/9/2018	Nb-95	-1.41E+00	1.12E+00	2.97E+00	U
WD	LTW	449998025	5/9/2018	Ru-103	-2.45E-03	1.01E+00	3.36E+00	U
WD	LTW	449998025	5/9/2018	Ru-106	1.22E+00	9.31E+00	3.09E+01	U
WD	LTW	449998025	5/9/2018	Sb-124	4.87E+00	3.23E+00	1.19E+01	U
WD	LTW	449998025	5/9/2018	Sb-125	3.13E+00	2.99E+00	1.04E+01	U
WD	LTW	449998025	5/9/2018	Se-75	8.05E-01	1.52E+00	5.28E+00	U
WD	LTW	449998025	5/9/2018	Th-228	5.64E+00	4.32E+00	6.40E+00	U
WD	LTW	449998025	5/9/2018	Zn-65	-4.06E-01	2.60E+00	7.61E+00	U
WD	LTW	449998025	5/9/2018	Zr-95	2.31E+00	1.93E+00	6.76E+00	U
WD	LTW	449998026	5/9/2018	I-131	-5.17E-01	2.73E-01	9.46E-01	U
WD	STJ	451271023	5/23/2018	Ac-228	-2.00E+00	3.34E+00	8.11E+00	U
WD	STJ	451271023	5/23/2018	Ag-108m	-5.87E-01	4.42E-01	1.34E+00	U
WD	STJ	451271023	5/23/2018	Ag-110m	-3.18E-01	6.80E-01	1.85E+00	U
WD	STJ	451271023	5/23/2018	Ba-140	-4.41E+00	3.28E+00	6.82E+00	U
WD	STJ	451271023	5/23/2018	Be-7	7.03E+00	4.12E+00	1.34E+01	U
WD	STJ	451271023	5/23/2018	BETA	5.82E-01	6.84E-01	2.04E+00	U
WD	STJ	451271023	5/23/2018	Ce-141	5.59E-01	1.01E+00	3.01E+00	U
WD	STJ	451271023	5/23/2018	Ce-144	1.62E+00	3.51E+00	1.14E+01	U
WD	STJ	451271023	5/23/2018	Co-57	1.58E-01	4.59E-01	1.49E+00	U
WD	STJ	451271023	5/23/2018	Co-58	-9.75E-02	4.50E-01	1.43E+00	U
WD	STJ	451271023	5/23/2018	Co-60	1.53E-01	5.19E-01	1.75E+00	U
WD	STJ	451271023	5/23/2018	Cr-51	-2.25E+00	4.36E+00	1.45E+01	U
WD	STJ	451271023	5/23/2018	Cs-134	-7.17E-03	5.73E-01	1.64E+00	U
WD	STJ	451271023	5/23/2018	Cs-137	4.35E-02	4.91E-01	1.61E+00	U
WD	STJ	451271023	5/23/2018	Fe-59	-1.07E+00	1.02E+00	3.15E+00	U
WD	STJ	451271023	5/23/2018	I-131	2.89E-01	7.89E-01	2.69E+00	U
WD	STJ	451271023	5/23/2018	K-40	4.05E+00	9.68E+00	2.44E+01	U
WD	STJ	451271023	5/23/2018	La-140	-8.44E-01	8.13E-01	2.40E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	451271023	5/23/2018	Mn-54	-8.53E-01	7.41E-01	1.48E+00	U
WD	STJ	451271023	5/23/2018	Nb-95	1.68E-01	9.09E-01	1.53E+00	U
WD	STJ	451271023	5/23/2018	Ru-103	-1.95E-01	5.04E-01	1.65E+00	U
WD	STJ	451271023	5/23/2018	Ru-106	-5.85E+00	4.55E+00	1.34E+01	U
WD	STJ	451271023	5/23/2018	Sb-124	1.24E+00	1.05E+00	3.61E+00	U
WD	STJ	451271023	5/23/2018	Sb-125	-1.01E-01	1.31E+00	4.37E+00	U
WD	STJ	451271023	5/23/2018	Se-75	3.61E-01	6.43E-01	2.22E+00	U
WD	STJ	451271023	5/23/2018	Th-228	1.98E+00	2.05E+00	4.03E+00	U
WD	STJ	451271023	5/23/2018	Zn-65	-1.13E+00	1.02E+00	3.14E+00	U
WD	STJ	451271023	5/23/2018	Zr-95	1.05E+00	8.73E-01	2.87E+00	U
WD	STJ	451271024	5/23/2018	I-131	2.74E-01	2.06E-01	6.16E-01	U
WD	LTW	451271025	5/23/2018	Ac-228	-6.34E+00	3.50E+00	6.32E+00	U
WD	LTW	451271025	5/23/2018	Ag-108m	-6.66E-02	4.10E-01	1.37E+00	U
WD	LTW	451271025	5/23/2018	Ag-110m	-1.26E+00	8.35E-01	2.25E+00	U
WD	LTW	451271025	5/23/2018	Ba-140	-2.06E+00	2.46E+00	7.70E+00	U
WD	LTW	451271025	5/23/2018	Be-7	8.38E+00	4.79E+00	1.56E+01	U
WD	LTW	451271025	5/23/2018	BETA	3.06E+00	1.23E+00	3.39E+00	U
WD	LTW	451271025	5/23/2018	Ce-141	-1.29E+00	1.00E+00	2.98E+00	U
WD	LTW	451271025	5/23/2018	Ce-144	5.41E+00	3.79E+00	1.19E+01	U
WD	LTW	451271025	5/23/2018	Co-57	3.38E-02	4.62E-01	1.50E+00	U
WD	LTW	451271025	5/23/2018	Co-58	-4.83E-01	4.93E-01	1.45E+00	U
WD	LTW	451271025	5/23/2018	Co-60	1.02E-01	5.69E-01	1.91E+00	U
WD	LTW	451271025	5/23/2018	Cr-51	1.52E+00	4.64E+00	1.60E+01	U
WD	LTW	451271025	5/23/2018	Cs-134	-8.43E-01	5.91E-01	1.64E+00	U
WD	LTW	451271025	5/23/2018	Cs-137	4.43E-01	4.77E-01	1.59E+00	U
WD	LTW	451271025	5/23/2018	Fe-59	-1.30E-02	9.36E-01	3.16E+00	U
WD	LTW	451271025	5/23/2018	I-131	-3.25E-01	8.20E-01	2.74E+00	U
WD	LTW	451271025	5/23/2018	K-40	-5.46E+01	1.67E+01	1.56E+01	U
WD	LTW	451271025	5/23/2018	La-140	1.13E+00	9.17E-01	3.13E+00	U
WD	LTW	451271025	5/23/2018	Mn-54	-3.31E-01	5.15E-01	1.58E+00	U
WD	LTW	451271025	5/23/2018	Nb-95	-1.12E-01	5.15E-01	1.64E+00	U
WD	LTW	451271025	5/23/2018	Ru-103	5.66E-01	5.34E-01	1.79E+00	U
WD	LTW	451271025	5/23/2018	Ru-106	6.37E+00	5.00E+00	1.65E+01	U
WD	LTW	451271025	5/23/2018	Sb-124	-1.79E+00	1.30E+00	2.81E+00	U
WD	LTW	451271025	5/23/2018	Sb-125	-2.50E+00	1.57E+00	4.03E+00	U
WD	LTW	451271025	5/23/2018	Se-75	1.32E+00	8.79E-01	2.20E+00	U
WD	LTW	451271025	5/23/2018	Th-228	-7.91E-01	1.56E+00	3.57E+00	U
WD	LTW	451271025	5/23/2018	Zn-65	-1.69E-01	1.11E+00	3.70E+00	U
WD	LTW	451271025	5/23/2018	Zr-95	-1.49E-01	8.98E-01	2.88E+00	U
WD	LTW	451271026	5/23/2018	I-131	1.01E-02	1.85E-01	6.04E-01	U
WD	STJ	452147023	6/6/2018	Ac-228	2.54E+00	5.21E+00	1.64E+01	U
WD	STJ	452147023	6/6/2018	Ag-108m	7.67E-01	9.15E-01	3.17E+00	U
WD	STJ	452147023	6/6/2018	Ag-110m	1.67E+00	1.31E+00	4.80E+00	U
WD	STJ	452147023	6/6/2018	Ba-140	-4.02E-01	5.82E+00	1.89E+01	U
WD	STJ	452147023	6/6/2018	Be-7	-1.22E+01	1.04E+01	3.00E+01	U
WD	STJ	452147023	6/6/2018	BETA	2.51E+00	1.12E+00	3.13E+00	U
WD	STJ	452147023	6/6/2018	Ce-141	-1.60E+00	2.16E+00	6.58E+00	U
WD	STJ	452147023	6/6/2018	Ce-144	2.73E+01	1.08E+01	2.21E+01	UI
WD	STJ	452147023	6/6/2018	Co-57	2.29E-01	1.01E+00	3.30E+00	U
WD	STJ	452147023	6/6/2018	Co-58	-2.88E-01	1.02E+00	3.36E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	452147023	6/6/2018	Co-60	-7.28E-01	1.04E+00	2.99E+00	U
WD	STJ	452147023	6/6/2018	Cr-51	1.36E+00	1.19E+01	4.04E+01	U
WD	STJ	452147023	6/6/2018	Cs-134	6.79E-01	1.33E+00	4.39E+00	U
WD	STJ	452147023	6/6/2018	Cs-137	2.55E-01	9.30E-01	3.08E+00	U
WD	STJ	452147023	6/6/2018	Fe-59	-2.67E+00	2.59E+00	7.42E+00	U
WD	STJ	452147023	6/6/2018	I-131	-3.63E+00	2.44E+00	6.86E+00	U
WD	STJ	452147023	6/6/2018	K-40	-2.64E+01	1.73E+01	5.31E+01	U
WD	STJ	452147023	6/6/2018	La-140	1.31E-01	2.22E+00	7.20E+00	U
WD	STJ	452147023	6/6/2018	Mn-54	-1.55E+00	1.11E+00	3.06E+00	U
WD	STJ	452147023	6/6/2018	Nb-95	-6.49E-01	1.47E+00	3.89E+00	U
WD	STJ	452147023	6/6/2018	Ru-103	1.41E+00	1.19E+00	4.10E+00	U
WD	STJ	452147023	6/6/2018	Ru-106	-1.13E+01	9.58E+00	2.60E+01	U
WD	STJ	452147023	6/6/2018	Sb-124	-8.14E-01	3.42E+00	1.06E+01	U
WD	STJ	452147023	6/6/2018	Sb-125	2.44E+00	3.01E+00	1.04E+01	U
WD	STJ	452147023	6/6/2018	Se-75	-3.51E-01	1.45E+00	4.88E+00	U
WD	STJ	452147023	6/6/2018	Th-228	1.00E+01	4.85E+00	8.36E+00	UI
WD	STJ	452147023	6/6/2018	Zn-65	-3.01E+00	2.58E+00	7.16E+00	U
WD	STJ	452147023	6/6/2018	Zr-95	-1.05E+00	2.39E+00	7.26E+00	U
WD	STJ	452147024	6/6/2018	I-131	-4.33E-02	1.59E-01	5.30E-01	U
WD	LTW	452147025	6/6/2018	Ac-228	-7.22E+00	5.46E+00	1.56E+01	U
WD	LTW	452147025	6/6/2018	Ag-108m	-2.48E-01	8.85E-01	2.88E+00	U
WD	LTW	452147025	6/6/2018	Ag-110m	3.81E+00	1.68E+00	5.63E+00	U
WD	LTW	452147025	6/6/2018	Ba-140	4.91E+00	5.59E+00	1.93E+01	U
WD	LTW	452147025	6/6/2018	Be-7	-4.50E+00	8.46E+00	2.66E+01	U
WD	LTW	452147025	6/6/2018	BETA	3.38E+00	1.35E+00	3.78E+00	U
WD	LTW	452147025	6/6/2018	Ce-141	-2.39E-02	1.99E+00	6.33E+00	U
WD	LTW	452147025	6/6/2018	Ce-144	-4.16E+00	6.79E+00	2.08E+01	U
WD	LTW	452147025	6/6/2018	Co-57	4.97E-01	9.69E-01	3.15E+00	U
WD	LTW	452147025	6/6/2018	Co-58	-2.04E-01	1.09E+00	3.40E+00	U
WD	LTW	452147025	6/6/2018	Co-60	-2.16E+00	1.27E+00	3.36E+00	U
WD	LTW	452147025	6/6/2018	Cr-51	1.13E+01	1.02E+01	3.55E+01	U
WD	LTW	452147025	6/6/2018	Cs-134	-4.89E-01	1.12E+00	3.40E+00	U
WD	LTW	452147025	6/6/2018	Cs-137	4.36E-01	1.13E+00	3.76E+00	U
WD	LTW	452147025	6/6/2018	Fe-59	-2.75E+00	2.32E+00	6.55E+00	U
WD	LTW	452147025	6/6/2018	I-131	-1.02E+00	2.23E+00	7.25E+00	U
WD	LTW	452147025	6/6/2018	K-40	-2.36E+01	1.84E+01	5.45E+01	U
WD	LTW	452147025	6/6/2018	La-140	-3.66E+00	2.25E+00	4.99E+00	U
WD	LTW	452147025	6/6/2018	Mn-54	-1.26E-02	1.16E+00	3.68E+00	U
WD	LTW	452147025	6/6/2018	Nb-95	-1.06E+00	1.17E+00	3.34E+00	U
WD	LTW	452147025	6/6/2018	Ru-103	1.37E+00	1.15E+00	3.67E+00	U
WD	LTW	452147025	6/6/2018	Ru-106	-2.25E+00	9.09E+00	2.89E+01	U
WD	LTW	452147025	6/6/2018	Sb-124	-3.20E+00	2.83E+00	7.29E+00	U
WD	LTW	452147025	6/6/2018	Sb-125	-2.78E+00	2.80E+00	8.43E+00	U
WD	LTW	452147025	6/6/2018	Se-75	1.05E+00	1.35E+00	4.72E+00	U
WD	LTW	452147025	6/6/2018	Th-228	1.05E+00	3.06E+00	7.40E+00	U
WD	LTW	452147025	6/6/2018	Zn-65	8.99E-01	2.05E+00	6.45E+00	U
WD	LTW	452147025	6/6/2018	Zr-95	3.25E+00	1.87E+00	6.49E+00	U
WD	LTW	452147026	6/6/2018	I-131	-1.59E-01	1.53E-01	5.26E-01	U
WD	STJ	453154023	6/20/2018	Ac-228	-5.29E+00	6.29E+00	2.01E+01	U
WD	STJ	453154023	6/20/2018	Ag-108m	-1.32E-01	1.01E+00	3.26E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	453154023	6/20/2018	Ag-110m	-6.77E-01	1.66E+00	5.23E+00	U
WD	STJ	453154023	6/20/2018	Ba-140	7.86E+00	8.07E+00	2.76E+01	U
WD	STJ	453154023	6/20/2018	Be-7	-1.14E+01	1.42E+01	4.26E+01	U
WD	STJ	453154023	6/20/2018	BETA	2.39E+00	1.23E+00	3.49E+00	U
WD	STJ	453154023	6/20/2018	Ce-141	-3.58E-01	2.66E+00	8.27E+00	U
WD	STJ	453154023	6/20/2018	Ce-144	-5.31E+00	9.00E+00	2.72E+01	U
WD	STJ	453154023	6/20/2018	Co-57	-2.02E+00	1.36E+00	3.73E+00	U
WD	STJ	453154023	6/20/2018	Co-58	-2.23E-01	1.18E+00	3.85E+00	U
WD	STJ	453154023	6/20/2018	Co-60	-1.20E+00	1.41E+00	3.85E+00	U
WD	STJ	453154023	6/20/2018	Cr-51	1.78E+01	1.35E+01	4.63E+01	U
WD	STJ	453154023	6/20/2018	Cs-134	7.27E-01	1.37E+00	4.77E+00	U
WD	STJ	453154023	6/20/2018	Cs-137	-2.19E+00	1.38E+00	3.68E+00	U
WD	STJ	453154023	6/20/2018	Fe-59	1.39E+00	3.28E+00	1.04E+01	U
WD	STJ	453154023	6/20/2018	I-131	3.35E+00	3.52E+00	1.21E+01	U
WD	STJ	453154023	6/20/2018	K-40	1.29E+01	1.85E+01	6.70E+01	U
WD	STJ	453154023	6/20/2018	La-140	-2.20E+00	2.44E+00	6.67E+00	U
WD	STJ	453154023	6/20/2018	Mn-54	3.31E-03	1.22E+00	4.07E+00	U
WD	STJ	453154023	6/20/2018	Nb-95	1.16E+00	1.04E+00	3.66E+00	U
WD	STJ	453154023	6/20/2018	Ru-103	-7.70E-01	1.50E+00	4.61E+00	U
WD	STJ	453154023	6/20/2018	Ru-106	1.43E+01	1.22E+01	4.12E+01	U
WD	STJ	453154023	6/20/2018	Sb-124	2.75E+00	2.98E+00	1.11E+01	U
WD	STJ	453154023	6/20/2018	Sb-125	-3.58E-01	3.07E+00	9.89E+00	U
WD	STJ	453154023	6/20/2018	Se-75	-1.42E+00	1.64E+00	5.10E+00	U
WD	STJ	453154023	6/20/2018	Th-228	-1.66E+00	2.95E+00	9.49E+00	U
WD	STJ	453154023	6/20/2018	Zn-65	-1.44E+00	3.04E+00	9.32E+00	U
WD	STJ	453154023	6/20/2018	Zr-95	1.91E+00	2.15E+00	7.70E+00	U
WD	STJ	453154024	6/20/2018	I-131	2.65E-01	1.52E-01	4.76E-01	U
WD	LTW	453154025	6/20/2018	Ac-228	-6.98E+00	5.07E+00	1.53E+01	U
WD	LTW	453154025	6/20/2018	Ag-108m	5.81E-01	7.61E-01	2.63E+00	U
WD	LTW	453154025	6/20/2018	Ag-110m	-1.23E+00	1.41E+00	3.93E+00	U
WD	LTW	453154025	6/20/2018	Ba-140	-7.57E+00	6.33E+00	1.77E+01	U
WD	LTW	453154025	6/20/2018	Be-7	-1.16E+01	1.01E+01	2.96E+01	U
WD	LTW	453154025	6/20/2018	BETA	-5.78E-01	1.14E+00	3.84E+00	U
WD	LTW	453154025	6/20/2018	Ce-141	-2.05E+00	2.17E+00	6.44E+00	U
WD	LTW	453154025	6/20/2018	Ce-144	-9.36E+00	7.82E+00	2.05E+01	U
WD	LTW	453154025	6/20/2018	Co-57	9.35E-01	8.80E-01	2.87E+00	U
WD	LTW	453154025	6/20/2018	Co-58	-8.10E-01	1.27E+00	3.25E+00	U
WD	LTW	453154025	6/20/2018	Co-60	9.90E-02	1.20E+00	4.00E+00	U
WD	LTW	453154025	6/20/2018	Cr-51	1.09E+01	1.05E+01	3.63E+01	U
WD	LTW	453154025	6/20/2018	Cs-134	1.79E-02	1.03E+00	3.29E+00	U
WD	LTW	453154025	6/20/2018	Cs-137	6.09E-01	9.56E-01	3.25E+00	U
WD	LTW	453154025	6/20/2018	Fe-59	1.14E+00	2.15E+00	7.53E+00	U
WD	LTW	453154025	6/20/2018	I-131	2.08E+00	2.68E+00	9.26E+00	U
WD	LTW	453154025	6/20/2018	K-40	1.95E+01	1.65E+01	2.63E+01	U
WD	LTW	453154025	6/20/2018	La-140	3.57E+00	2.26E+00	8.40E+00	U
WD	LTW	453154025	6/20/2018	Mn-54	1.08E+00	9.88E-01	3.39E+00	U
WD	LTW	453154025	6/20/2018	Nb-95	6.14E-01	1.07E+00	3.57E+00	U
WD	LTW	453154025	6/20/2018	Ru-103	-2.17E+00	1.26E+00	3.28E+00	U
WD	LTW	453154025	6/20/2018	Ru-106	-5.73E-01	7.59E+00	2.45E+01	U
WD	LTW	453154025	6/20/2018	Sb-124	-7.80E-01	3.13E+00	9.82E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	453154025	6/20/2018	Sb-125	7.55E-01	2.66E+00	8.98E+00	U
WD	LTW	453154025	6/20/2018	Se-75	1.54E+00	1.37E+00	4.77E+00	U
WD	LTW	453154025	6/20/2018	Th-228	-3.33E+00	2.32E+00	6.55E+00	U
WD	LTW	453154025	6/20/2018	Zn-65	1.41E+00	1.96E+00	6.38E+00	U
WD	LTW	453154025	6/20/2018	Zr-95	-1.04E+00	1.88E+00	5.64E+00	U
WD	LTW	453154026	6/20/2018	I-131	1.67E-01	1.55E-01	4.97E-01	U
WD	STJ	457761001	6/20/2018	H-3	-1.76E+02	1.66E+02	5.77E+02	U
WD	LTW	457761002	6/20/2018	H-3	-1.24E+02	1.67E+02	5.70E+02	U
WD	STJ	454071023	7/4/2018	Ac-228	4.45E+00	4.05E+00	7.48E+00	U
WD	STJ	454071023	7/4/2018	Ag-108m	4.98E-01	4.30E-01	1.41E+00	U
WD	STJ	454071023	7/4/2018	Ag-110m	7.02E-01	6.66E-01	2.24E+00	U
WD	STJ	454071023	7/4/2018	Ba-140	2.33E-01	2.17E+00	7.05E+00	U
WD	STJ	454071023	7/4/2018	Be-7	1.52E-01	3.91E+00	1.28E+01	U
WD	STJ	454071023	7/4/2018	BETA	1.02E+00	8.02E-01	2.31E+00	U
WD	STJ	454071023	7/4/2018	Ce-141	3.21E+00	1.83E+00	2.53E+00	UI
WD	STJ	454071023	7/4/2018	Ce-144	4.85E+00	3.17E+00	9.74E+00	U
WD	STJ	454071023	7/4/2018	Co-57	5.66E-02	3.97E-01	1.27E+00	U
WD	STJ	454071023	7/4/2018	Co-58	3.50E-01	4.65E-01	1.58E+00	U
WD	STJ	454071023	7/4/2018	Co-60	-4.84E-01	8.84E-01	1.61E+00	U
WD	STJ	454071023	7/4/2018	Cr-51	-8.24E+00	6.39E+00	1.41E+01	U
WD	STJ	454071023	7/4/2018	Cs-134	6.30E-01	5.02E-01	1.70E+00	U
WD	STJ	454071023	7/4/2018	Cs-137	3.58E-01	4.82E-01	1.56E+00	U
WD	STJ	454071023	7/4/2018	Fe-59	-1.16E+00	1.13E+00	2.96E+00	U
WD	STJ	454071023	7/4/2018	I-131	3.39E+00	2.32E+00	2.35E+00	UI
WD	STJ	454071023	7/4/2018	K-40	1.13E+01	1.34E+01	1.50E+01	U
WD	STJ	454071023	7/4/2018	La-140	-2.32E-02	6.86E-01	2.31E+00	U
WD	STJ	454071023	7/4/2018	Mn-54	-5.06E-01	4.60E-01	1.44E+00	U
WD	STJ	454071023	7/4/2018	Nb-95	3.04E-01	4.81E-01	1.64E+00	U
WD	STJ	454071023	7/4/2018	Ru-103	4.35E-01	5.09E-01	1.51E+00	U
WD	STJ	454071023	7/4/2018	Ru-106	-9.09E-01	4.33E+00	1.38E+01	U
WD	STJ	454071023	7/4/2018	Sb-124	3.37E-01	1.05E+00	3.56E+00	U
WD	STJ	454071023	7/4/2018	Sb-125	-1.02E+00	1.29E+00	4.09E+00	U
WD	STJ	454071023	7/4/2018	Se-75	8.88E-01	6.17E-01	2.03E+00	U
WD	STJ	454071023	7/4/2018	Th-228	1.69E+00	1.68E+00	3.40E+00	U
WD	STJ	454071023	7/4/2018	Zn-65	2.69E-01	1.10E+00	3.21E+00	U
WD	STJ	454071023	7/4/2018	Zr-95	1.15E-01	7.99E-01	2.72E+00	U
WD	STJ	454071024	7/4/2018	I-131	-1.94E-01	2.55E-01	8.48E-01	U
WD	LTW	454071025	7/4/2018	Ac-228	1.77E+00	4.47E+00	5.63E+00	U
WD	LTW	454071025	7/4/2018	Ag-108m	2.56E-01	3.85E-01	1.30E+00	U
WD	LTW	454071025	7/4/2018	Ag-110m	-5.16E-01	6.25E-01	1.87E+00	U
WD	LTW	454071025	7/4/2018	Ba-140	-2.92E+00	2.04E+00	5.97E+00	U
WD	LTW	454071025	7/4/2018	Be-7	-8.72E-01	3.56E+00	1.18E+01	U
WD	LTW	454071025	7/4/2018	BETA	1.67E+00	9.83E-01	2.80E+00	U
WD	LTW	454071025	7/4/2018	Ce-141	5.68E-01	1.39E+00	2.32E+00	U
WD	LTW	454071025	7/4/2018	Ce-144	-2.35E+00	3.08E+00	9.65E+00	U
WD	LTW	454071025	7/4/2018	Co-57	-3.22E-01	3.94E-01	1.24E+00	U
WD	LTW	454071025	7/4/2018	Co-58	8.23E-01	4.93E-01	1.57E+00	U
WD	LTW	454071025	7/4/2018	Co-60	1.32E+00	6.48E-01	1.64E+00	U
WD	LTW	454071025	7/4/2018	Cr-51	-1.04E+00	3.84E+00	1.30E+01	U
WD	LTW	454071025	7/4/2018	Cs-134	-2.88E-01	7.39E-01	1.49E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	454071025	7/4/2018	Cs-137	1.48E-01	4.43E-01	1.46E+00	U
WD	LTW	454071025	7/4/2018	Fe-59	4.14E-01	9.33E-01	3.18E+00	U
WD	LTW	454071025	7/4/2018	I-131	7.90E-01	6.89E-01	2.32E+00	U
WD	LTW	454071025	7/4/2018	K-40	2.61E+01	1.24E+01	1.44E+01	UI
WD	LTW	454071025	7/4/2018	La-140	4.53E-01	7.28E-01	2.18E+00	U
WD	LTW	454071025	7/4/2018	Mn-54	2.49E-01	4.60E-01	1.49E+00	U
WD	LTW	454071025	7/4/2018	Nb-95	-1.33E+00	7.82E-01	1.50E+00	U
WD	LTW	454071025	7/4/2018	Ru-103	-4.12E-01	4.55E-01	1.43E+00	U
WD	LTW	454071025	7/4/2018	Ru-106	1.78E+00	4.10E+00	1.36E+01	U
WD	LTW	454071025	7/4/2018	Sb-124	-1.51E+00	1.05E+00	2.82E+00	U
WD	LTW	454071025	7/4/2018	Sb-125	-2.76E-01	1.15E+00	3.81E+00	U
WD	LTW	454071025	7/4/2018	Se-75	-1.54E+00	7.52E-01	1.91E+00	U
WD	LTW	454071025	7/4/2018	Th-228	1.21E+00	1.60E+00	3.24E+00	U
WD	LTW	454071025	7/4/2018	Zn-65	6.12E-01	1.07E+00	3.25E+00	U
WD	LTW	454071025	7/4/2018	Zr-95	-1.16E+00	8.07E-01	2.26E+00	U
WD	LTW	454071026	7/4/2018	I-131	-2.66E-01	2.43E-01	8.12E-01	U
WD	STJ	455112023	7/18/2018	Ac-228	-3.61E+00	8.18E+00	2.34E+01	U
WD	STJ	455112023	7/18/2018	Ag-108m	1.17E+00	1.36E+00	4.48E+00	U
WD	STJ	455112023	7/18/2018	Ag-110m	4.64E+00	1.88E+00	6.71E+00	U
WD	STJ	455112023	7/18/2018	Ba-140	4.71E+00	7.68E+00	2.63E+01	U
WD	STJ	455112023	7/18/2018	Be-7	8.81E-01	1.19E+01	4.03E+01	U
WD	STJ	455112023	7/18/2018	BETA	1.36E+00	1.10E+00	3.31E+00	U
WD	STJ	455112023	7/18/2018	Ce-141	-1.25E+00	2.76E+00	7.97E+00	U
WD	STJ	455112023	7/18/2018	Ce-144	-6.26E+00	8.79E+00	2.74E+01	U
WD	STJ	455112023	7/18/2018	Co-57	-2.54E-01	1.11E+00	3.59E+00	U
WD	STJ	455112023	7/18/2018	Co-58	2.83E+00	1.64E+00	5.57E+00	U
WD	STJ	455112023	7/18/2018	Co-60	-1.16E+00	1.37E+00	4.02E+00	U
WD	STJ	455112023	7/18/2018	Cr-51	-2.03E+01	1.50E+01	4.36E+01	U
WD	STJ	455112023	7/18/2018	Cs-134	-2.32E+00	2.10E+00	5.99E+00	U
WD	STJ	455112023	7/18/2018	Cs-137	2.14E+00	1.28E+00	5.01E+00	U
WD	STJ	455112023	7/18/2018	Fe-59	8.88E-01	3.29E+00	1.10E+01	U
WD	STJ	455112023	7/18/2018	I-131	-1.05E+00	2.73E+00	8.66E+00	U
WD	STJ	455112023	7/18/2018	K-40	-5.01E+01	2.64E+01	5.62E+01	U
WD	STJ	455112023	7/18/2018	La-140	1.68E+00	2.91E+00	1.00E+01	U
WD	STJ	455112023	7/18/2018	Mn-54	1.94E+00	1.51E+00	5.29E+00	U
WD	STJ	455112023	7/18/2018	Nb-95	-3.66E-02	1.53E+00	4.94E+00	U
WD	STJ	455112023	7/18/2018	Ru-103	1.80E+00	1.79E+00	5.50E+00	U
WD	STJ	455112023	7/18/2018	Ru-106	3.12E+00	1.48E+01	4.95E+01	U
WD	STJ	455112023	7/18/2018	Sb-124	-2.07E+00	3.89E+00	1.18E+01	U
WD	STJ	455112023	7/18/2018	Sb-125	5.35E+00	3.83E+00	1.32E+01	U
WD	STJ	455112023	7/18/2018	Se-75	-8.84E-01	1.77E+00	5.74E+00	U
WD	STJ	455112023	7/18/2018	Th-228	5.86E+00	5.87E+00	8.75E+00	U
WD	STJ	455112023	7/18/2018	Zn-65	2.86E+00	3.34E+00	1.15E+01	U
WD	STJ	455112023	7/18/2018	Zr-95	-3.28E+00	2.84E+00	7.95E+00	U
WD	STJ	455112024	7/18/2018	I-131	-4.20E-01	2.34E-01	6.97E-01	U
WD	LTW	455112025	7/18/2018	Ac-228	5.02E+00	7.34E+00	2.12E+01	U
WD	LTW	455112025	7/18/2018	Ag-108m	-9.31E-01	1.04E+00	3.05E+00	U
WD	LTW	455112025	7/18/2018	Ag-110m	-1.83E+00	1.67E+00	4.76E+00	U
WD	LTW	455112025	7/18/2018	Ba-140	5.11E+00	6.51E+00	2.01E+01	U
WD	LTW	455112025	7/18/2018	Be-7	6.89E+00	1.12E+01	3.76E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	455112025	7/18/2018	BETA	2.39E+00	9.58E-01	2.47E+00	U
WD	LTW	455112025	7/18/2018	Ce-141	9.06E+00	4.63E+00	5.78E+00	UI
WD	LTW	455112025	7/18/2018	Ce-144	-1.82E+00	8.80E+00	2.73E+01	U
WD	LTW	455112025	7/18/2018	Co-57	1.52E-01	1.15E+00	3.64E+00	U
WD	LTW	455112025	7/18/2018	Co-58	3.47E-01	9.47E-01	2.98E+00	U
WD	LTW	455112025	7/18/2018	Co-60	3.19E-01	1.26E+00	4.22E+00	U
WD	LTW	455112025	7/18/2018	Cr-51	-1.34E+01	1.23E+01	3.17E+01	U
WD	LTW	455112025	7/18/2018	Cs-134	-5.04E-02	1.21E+00	4.05E+00	U
WD	LTW	455112025	7/18/2018	Cs-137	-2.45E+00	1.36E+00	2.99E+00	U
WD	LTW	455112025	7/18/2018	Fe-59	2.15E+00	2.67E+00	9.36E+00	U
WD	LTW	455112025	7/18/2018	I-131	-8.16E-01	2.36E+00	7.59E+00	U
WD	LTW	455112025	7/18/2018	K-40	7.63E+00	1.65E+01	5.83E+01	U
WD	LTW	455112025	7/18/2018	La-140	-3.09E-01	1.80E+00	5.92E+00	U
WD	LTW	455112025	7/18/2018	Mn-54	-1.30E+00	1.21E+00	3.52E+00	U
WD	LTW	455112025	7/18/2018	Nb-95	-1.66E+00	1.43E+00	3.72E+00	U
WD	LTW	455112025	7/18/2018	Ru-103	-1.28E+00	1.39E+00	4.07E+00	U
WD	LTW	455112025	7/18/2018	Ru-106	1.11E+01	1.08E+01	3.66E+01	U
WD	LTW	455112025	7/18/2018	Sb-124	8.96E-01	2.53E+00	8.93E+00	U
WD	LTW	455112025	7/18/2018	Sb-125	2.42E+00	3.48E+00	1.18E+01	U
WD	LTW	455112025	7/18/2018	Se-75	5.59E-01	1.52E+00	5.18E+00	U
WD	LTW	455112025	7/18/2018	Th-228	-6.61E+00	3.40E+00	8.74E+00	U
WD	LTW	455112025	7/18/2018	Zn-65	-6.77E-02	3.15E+00	9.04E+00	U
WD	LTW	455112025	7/18/2018	Zr-95	6.58E-01	2.22E+00	7.66E+00	U
WD	LTW	455112026	7/18/2018	I-131	5.70E-01	2.25E-01	6.18E-01	U
WD	STJ	456480023	8/1/2018	Ac-228	9.47E+00	4.44E+00	9.55E+00	U
WD	STJ	456480023	8/1/2018	Ag-108m	-5.73E-02	5.19E-01	1.73E+00	U
WD	STJ	456480023	8/1/2018	Ag-110m	-3.23E-01	7.64E-01	2.52E+00	U
WD	STJ	456480023	8/1/2018	Ba-140	-7.52E-01	2.78E+00	8.99E+00	U
WD	STJ	456480023	8/1/2018	Be-7	1.74E+00	4.68E+00	1.57E+01	U
WD	STJ	456480023	8/1/2018	BETA	2.27E+00	1.13E+00	3.36E+00	U
WD	STJ	456480023	8/1/2018	Ce-141	-1.07E+00	1.05E+00	3.20E+00	U
WD	STJ	456480023	8/1/2018	Ce-144	-4.51E+00	4.13E+00	1.26E+01	U
WD	STJ	456480023	8/1/2018	Co-57	-5.90E-01	5.35E-01	1.64E+00	U
WD	STJ	456480023	8/1/2018	Co-58	2.52E-01	6.18E-01	2.00E+00	U
WD	STJ	456480023	8/1/2018	Co-60	4.46E+00	1.34E+00	2.57E+00	UI
WD	STJ	456480023	8/1/2018	Cr-51	4.13E+00	5.17E+00	1.77E+01	U
WD	STJ	456480023	8/1/2018	Cs-134	1.25E-02	6.30E-01	2.00E+00	U
WD	STJ	456480023	8/1/2018	Cs-137	1.43E-01	6.38E-01	2.08E+00	U
WD	STJ	456480023	8/1/2018	Fe-59	-3.77E-01	1.23E+00	4.00E+00	U
WD	STJ	456480023	8/1/2018	I-131	-1.05E+00	9.38E-01	2.94E+00	U
WD	STJ	456480023	8/1/2018	K-40	-1.43E+01	1.52E+01	3.20E+01	U
WD	STJ	456480023	8/1/2018	La-140	4.22E-01	1.17E+00	3.83E+00	U
WD	STJ	456480023	8/1/2018	Mn-54	4.32E-01	5.84E-01	2.02E+00	U
WD	STJ	456480023	8/1/2018	Nb-95	1.46E-01	5.84E-01	1.89E+00	U
WD	STJ	456480023	8/1/2018	Ru-103	1.26E+00	6.78E-01	2.01E+00	U
WD	STJ	456480023	8/1/2018	Ru-106	-1.70E+01	6.87E+00	1.54E+01	U
WD	STJ	456480023	8/1/2018	Sb-124	6.38E-01	1.81E+00	5.24E+00	U
WD	STJ	456480023	8/1/2018	Sb-125	-1.17E+00	1.48E+00	4.69E+00	U
WD	STJ	456480023	8/1/2018	Se-75	-1.14E+00	8.76E-01	2.47E+00	U
WD	STJ	456480023	8/1/2018	Th-228	-2.26E+00	1.85E+00	4.08E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	456480023	8/1/2018	Zn-65	-2.70E-01	1.24E+00	4.05E+00	U
WD	STJ	456480023	8/1/2018	Zr-95	7.89E-01	1.07E+00	3.51E+00	U
WD	STJ	456480024	8/1/2018	I-131	2.27E-01	2.53E-01	7.73E-01	U
WD	LTW	456480025	8/1/2018	Ac-228	-6.20E+00	4.51E+00	1.15E+01	U
WD	LTW	456480025	8/1/2018	Ag-108m	-3.10E-01	6.44E-01	2.09E+00	U
WD	LTW	456480025	8/1/2018	Ag-110m	7.86E-01	1.05E+00	3.21E+00	U
WD	LTW	456480025	8/1/2018	Ba-140	-4.53E+00	4.30E+00	1.14E+01	U
WD	LTW	456480025	8/1/2018	Be-7	6.12E+00	6.63E+00	2.26E+01	U
WD	LTW	456480025	8/1/2018	BETA	1.79E+00	9.04E-01	2.64E+00	U
WD	LTW	456480025	8/1/2018	Ce-141	4.30E+00	3.00E+00	4.50E+00	U
WD	LTW	456480025	8/1/2018	Ce-144	1.26E+00	5.46E+00	1.77E+01	U
WD	LTW	456480025	8/1/2018	Co-57	-1.30E+00	7.94E-01	2.22E+00	U
WD	LTW	456480025	8/1/2018	Co-58	1.30E+00	1.07E+00	1.95E+00	U
WD	LTW	456480025	8/1/2018	Co-60	-1.01E+00	8.04E-01	2.21E+00	U
WD	LTW	456480025	8/1/2018	Cr-51	-5.93E-02	6.77E+00	2.31E+01	U
WD	LTW	456480025	8/1/2018	Cs-134	-8.59E-01	8.21E-01	2.32E+00	U
WD	LTW	456480025	8/1/2018	Cs-137	4.64E-01	8.13E-01	2.73E+00	U
WD	LTW	456480025	8/1/2018	Fe-59	-3.12E+00	1.62E+00	3.97E+00	U
WD	LTW	456480025	8/1/2018	I-131	1.66E+00	1.28E+00	4.36E+00	U
WD	LTW	456480025	8/1/2018	K-40	7.74E+00	1.90E+01	2.64E+01	U
WD	LTW	456480025	8/1/2018	La-140	-2.34E+00	1.47E+00	3.70E+00	U
WD	LTW	456480025	8/1/2018	Mn-54	5.88E-01	7.24E-01	2.43E+00	U
WD	LTW	456480025	8/1/2018	Nb-95	4.59E-01	8.48E-01	2.81E+00	U
WD	LTW	456480025	8/1/2018	Ru-103	-9.21E-02	7.80E-01	2.57E+00	U
WD	LTW	456480025	8/1/2018	Ru-106	-3.07E+00	6.31E+00	1.98E+01	U
WD	LTW	456480025	8/1/2018	Sb-124	9.94E-01	1.81E+00	5.62E+00	U
WD	LTW	456480025	8/1/2018	Sb-125	2.05E+00	1.96E+00	6.72E+00	U
WD	LTW	456480025	8/1/2018	Se-75	1.04E+00	1.01E+00	3.49E+00	U
WD	LTW	456480025	8/1/2018	Th-228	1.84E+00	2.11E+00	6.62E+00	U
WD	LTW	456480025	8/1/2018	Zn-65	-8.41E-01	1.58E+00	5.07E+00	U
WD	LTW	456480025	8/1/2018	Zr-95	-1.23E+00	1.45E+00	4.29E+00	U
WD	LTW	456480026	8/1/2018	I-131	6.12E-02	2.22E-01	7.11E-01	U
WD	STJ	457591023	8/15/2018	Ac-228	7.39E+00	6.50E+00	2.09E+01	U
WD	STJ	457591023	8/15/2018	Ag-108m	-4.14E-01	1.12E+00	3.60E+00	U
WD	STJ	457591023	8/15/2018	Ag-110m	-3.85E+00	2.39E+00	5.64E+00	U
WD	STJ	457591023	8/15/2018	Ba-140	5.03E+00	6.36E+00	2.02E+01	U
WD	STJ	457591023	8/15/2018	Be-7	1.13E+01	1.21E+01	4.14E+01	U
WD	STJ	457591023	8/15/2018	BETA	-3.01E-02	6.18E-01	2.03E+00	U
WD	STJ	457591023	8/15/2018	Ce-141	1.10E+01	6.46E+00	8.04E+00	UI
WD	STJ	457591023	8/15/2018	Ce-144	8.83E+00	8.72E+00	3.02E+01	U
WD	STJ	457591023	8/15/2018	Co-57	5.58E-01	1.23E+00	4.26E+00	U
WD	STJ	457591023	8/15/2018	Co-58	9.64E-02	1.15E+00	3.74E+00	U
WD	STJ	457591023	8/15/2018	Co-60	2.25E+00	1.61E+00	5.91E+00	U
WD	STJ	457591023	8/15/2018	Cr-51	1.91E+01	1.27E+01	4.05E+01	U
WD	STJ	457591023	8/15/2018	Cs-134	-8.62E-01	1.35E+00	3.96E+00	U
WD	STJ	457591023	8/15/2018	Cs-137	9.68E-01	1.20E+00	4.16E+00	U
WD	STJ	457591023	8/15/2018	Fe-59	2.23E+00	3.11E+00	1.11E+01	U
WD	STJ	457591023	8/15/2018	I-131	-1.35E+00	2.39E+00	7.58E+00	U
WD	STJ	457591023	8/15/2018	K-40	3.35E+01	1.90E+01	2.92E+01	UI
WD	STJ	457591023	8/15/2018	La-140	-1.14E+00	2.31E+00	7.10E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	457591023	8/15/2018	Mn-54	-1.21E+00	1.62E+00	4.79E+00	U
WD	STJ	457591023	8/15/2018	Nb-95	-3.97E-01	1.50E+00	4.79E+00	U
WD	STJ	457591023	8/15/2018	Ru-103	-4.43E-01	1.34E+00	4.29E+00	U
WD	STJ	457591023	8/15/2018	Ru-106	1.37E+01	1.33E+01	4.55E+01	U
WD	STJ	457591023	8/15/2018	Sb-124	1.28E-02	3.67E+00	1.22E+01	U
WD	STJ	457591023	8/15/2018	Sb-125	1.75E+00	3.98E+00	1.30E+01	U
WD	STJ	457591023	8/15/2018	Se-75	6.41E-01	1.69E+00	5.79E+00	U
WD	STJ	457591023	8/15/2018	Th-228	2.20E-01	4.31E+00	9.26E+00	U
WD	STJ	457591023	8/15/2018	Zn-65	-6.70E-03	2.07E+00	6.22E+00	U
WD	STJ	457591023	8/15/2018	Zr-95	-6.03E-01	1.90E+00	5.84E+00	U
WD	STJ	457591024	8/15/2018	I-131	7.94E-01	2.98E-01	8.42E-01	U
WD	LTW	457591025	8/15/2018	Ac-228	-1.48E+00	5.54E+00	1.66E+01	U
WD	LTW	457591025	8/15/2018	Ag-108m	6.41E-01	8.98E-01	3.13E+00	U
WD	LTW	457591025	8/15/2018	Ag-110m	2.28E-01	1.21E+00	2.90E+00	U
WD	LTW	457591025	8/15/2018	Ba-140	5.36E-01	6.13E+00	2.04E+01	U
WD	LTW	457591025	8/15/2018	Be-7	-3.78E+00	9.36E+00	2.65E+01	U
WD	LTW	457591025	8/15/2018	BETA	1.70E+00	1.20E+00	3.70E+00	U
WD	LTW	457591025	8/15/2018	Ce-141	-3.50E+00	2.46E+00	6.88E+00	U
WD	LTW	457591025	8/15/2018	Ce-144	1.06E+01	8.60E+00	2.81E+01	U
WD	LTW	457591025	8/15/2018	Co-57	-6.05E-01	1.09E+00	3.39E+00	U
WD	LTW	457591025	8/15/2018	Co-58	3.27E-01	1.10E+00	3.64E+00	U
WD	LTW	457591025	8/15/2018	Co-60	1.27E+00	1.24E+00	4.48E+00	U
WD	LTW	457591025	8/15/2018	Cr-51	-3.48E-01	1.09E+01	3.71E+01	U
WD	LTW	457591025	8/15/2018	Cs-134	1.31E+00	1.20E+00	4.16E+00	U
WD	LTW	457591025	8/15/2018	Cs-137	1.98E+00	1.15E+00	4.05E+00	U
WD	LTW	457591025	8/15/2018	Fe-59	-3.34E+00	2.33E+00	6.09E+00	U
WD	LTW	457591025	8/15/2018	I-131	-2.15E+00	2.07E+00	6.31E+00	U
WD	LTW	457591025	8/15/2018	K-40	6.30E-01	1.46E+01	5.12E+01	U
WD	LTW	457591025	8/15/2018	La-140	1.61E+00	2.04E+00	7.28E+00	U
WD	LTW	457591025	8/15/2018	Mn-54	-6.65E-01	9.67E-01	2.79E+00	U
WD	LTW	457591025	8/15/2018	Nb-95	5.41E-01	1.42E+00	4.53E+00	U
WD	LTW	457591025	8/15/2018	Ru-103	-3.24E-01	1.15E+00	3.73E+00	U
WD	LTW	457591025	8/15/2018	Ru-106	7.89E+00	9.75E+00	3.36E+01	U
WD	LTW	457591025	8/15/2018	Sb-124	7.65E-01	2.77E+00	9.40E+00	U
WD	LTW	457591025	8/15/2018	Sb-125	-8.29E+00	3.57E+00	7.89E+00	U
WD	LTW	457591025	8/15/2018	Se-75	-2.80E-01	1.42E+00	4.81E+00	U
WD	LTW	457591025	8/15/2018	Th-228	5.87E+00	3.59E+00	6.62E+00	U
WD	LTW	457591025	8/15/2018	Zn-65	-2.42E+00	2.33E+00	6.70E+00	U
WD	LTW	457591025	8/15/2018	Zr-95	1.60E+00	1.94E+00	6.69E+00	U
WD	LTW	457591026	8/15/2018	I-131	-7.69E-02	2.45E-01	8.20E-01	U
WD	STJ	458581023	8/29/2018	Ac-228	4.98E-01	4.54E+00	8.42E+00	U
WD	STJ	458581023	8/29/2018	Ag-108m	-3.02E-01	5.02E-01	1.59E+00	U
WD	STJ	458581023	8/29/2018	Ag-110m	-3.37E-02	8.65E-01	2.53E+00	U
WD	STJ	458581023	8/29/2018	Ba-140	4.43E+00	3.09E+00	9.94E+00	U
WD	STJ	458581023	8/29/2018	Be-7	-2.47E+00	4.84E+00	1.53E+01	U
WD	STJ	458581023	8/29/2018	BETA	1.47E+00	1.23E+00	3.73E+00	U
WD	STJ	458581023	8/29/2018	Ce-141	1.73E+00	9.95E-01	2.78E+00	U
WD	STJ	458581023	8/29/2018	Ce-144	1.94E+00	3.00E+00	9.56E+00	U
WD	STJ	458581023	8/29/2018	Co-57	3.18E-01	3.83E-01	1.22E+00	U
WD	STJ	458581023	8/29/2018	Co-58	-1.58E-01	6.29E-01	2.09E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	458581023	8/29/2018	Co-60	-1.39E-01	6.36E-01	2.02E+00	U
WD	STJ	458581023	8/29/2018	Cr-51	-1.20E+00	4.70E+00	1.56E+01	U
WD	STJ	458581023	8/29/2018	Cs-134	2.02E-01	6.66E-01	2.26E+00	U
WD	STJ	458581023	8/29/2018	Cs-137	5.23E-02	6.23E-01	1.98E+00	U
WD	STJ	458581023	8/29/2018	Fe-59	1.68E+00	1.32E+00	4.40E+00	U
WD	STJ	458581023	8/29/2018	I-131	-5.01E-02	1.39E+00	3.35E+00	U
WD	STJ	458581023	8/29/2018	K-40	1.59E+01	1.28E+01	2.05E+01	U
WD	STJ	458581023	8/29/2018	La-140	-2.35E+00	1.60E+00	3.50E+00	U
WD	STJ	458581023	8/29/2018	Mn-54	-5.96E-01	6.10E-01	1.91E+00	U
WD	STJ	458581023	8/29/2018	Nb-95	-1.89E+00	1.05E+00	2.11E+00	U
WD	STJ	458581023	8/29/2018	Ru-103	-2.18E-01	6.90E-01	1.96E+00	U
WD	STJ	458581023	8/29/2018	Ru-106	1.49E+00	5.41E+00	1.74E+01	U
WD	STJ	458581023	8/29/2018	Sb-124	2.08E-01	1.52E+00	4.47E+00	U
WD	STJ	458581023	8/29/2018	Sb-125	-3.17E+00	1.81E+00	4.41E+00	U
WD	STJ	458581023	8/29/2018	Se-75	-5.51E-02	6.44E-01	2.17E+00	U
WD	STJ	458581023	8/29/2018	Th-228	-1.34E+00	1.51E+00	3.48E+00	U
WD	STJ	458581023	8/29/2018	Zn-65	7.01E-01	1.19E+00	3.98E+00	U
WD	STJ	458581023	8/29/2018	Zr-95	-1.06E+00	1.08E+00	3.41E+00	U
WD	STJ	458581024	8/29/2018	I-131	3.67E-02	1.33E-01	4.34E-01	U
WD	LTW	458581025	8/29/2018	Ac-228	2.81E+00	3.83E+00	7.54E+00	U
WD	LTW	458581025	8/29/2018	Ag-108m	-2.50E-01	4.63E-01	1.48E+00	U
WD	LTW	458581025	8/29/2018	Ag-110m	1.69E-01	6.08E-01	2.06E+00	U
WD	LTW	458581025	8/29/2018	Ba-140	1.22E+00	2.41E+00	7.87E+00	U
WD	LTW	458581025	8/29/2018	Be-7	4.40E+00	4.11E+00	1.34E+01	U
WD	LTW	458581025	8/29/2018	BETA	1.90E-01	1.10E+00	3.57E+00	U
WD	LTW	458581025	8/29/2018	Ce-141	-1.08E+00	8.30E-01	2.40E+00	U
WD	LTW	458581025	8/29/2018	Ce-144	1.49E+00	2.88E+00	9.10E+00	U
WD	LTW	458581025	8/29/2018	Co-57	5.23E-01	3.96E-01	1.14E+00	U
WD	LTW	458581025	8/29/2018	Co-58	-9.38E-01	5.09E-01	1.42E+00	U
WD	LTW	458581025	8/29/2018	Co-60	-9.27E-01	5.72E-01	1.55E+00	U
WD	LTW	458581025	8/29/2018	Cr-51	4.99E-01	4.08E+00	1.36E+01	U
WD	LTW	458581025	8/29/2018	Cs-134	1.89E-01	5.18E-01	1.77E+00	U
WD	LTW	458581025	8/29/2018	Cs-137	-6.12E-02	5.19E-01	1.64E+00	U
WD	LTW	458581025	8/29/2018	Fe-59	4.58E-01	1.02E+00	3.43E+00	U
WD	LTW	458581025	8/29/2018	I-131	-8.22E-01	9.76E-01	2.75E+00	U
WD	LTW	458581025	8/29/2018	K-40	-2.18E+01	1.09E+01	2.39E+01	U
WD	LTW	458581025	8/29/2018	La-140	-6.41E-01	8.36E-01	2.49E+00	U
WD	LTW	458581025	8/29/2018	Mn-54	-4.60E-01	4.71E-01	1.48E+00	U
WD	LTW	458581025	8/29/2018	Nb-95	1.56E+00	8.73E-01	1.51E+00	UI
WD	LTW	458581025	8/29/2018	Ru-103	3.24E-01	5.60E-01	1.65E+00	U
WD	LTW	458581025	8/29/2018	Ru-106	-6.45E+00	5.42E+00	1.39E+01	U
WD	LTW	458581025	8/29/2018	Sb-124	1.56E-01	1.13E+00	3.84E+00	U
WD	LTW	458581025	8/29/2018	Sb-125	-3.04E-02	1.27E+00	4.15E+00	U
WD	LTW	458581025	8/29/2018	Se-75	8.14E-03	5.68E-01	1.92E+00	U
WD	LTW	458581025	8/29/2018	Th-228	9.41E-01	1.47E+00	3.16E+00	U
WD	LTW	458581025	8/29/2018	Zn-65	-1.79E+00	1.05E+00	2.73E+00	U
WD	LTW	458581025	8/29/2018	Zr-95	4.32E-01	8.26E-01	2.83E+00	U
WD	LTW	458581026	8/29/2018	I-131	5.83E-02	1.15E-01	3.74E-01	U
WD	STJ	459937012	9/12/2018	Ac-228	1.82E+00	4.34E+00	1.24E+01	U
WD	STJ	459937012	9/12/2018	Ag-108m	5.66E-01	7.49E-01	2.52E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	459937012	9/12/2018	Ag-110m	-1.29E+00	1.13E+00	3.34E+00	U
WD	STJ	459937012	9/12/2018	Ba-140	6.48E+00	7.34E+00	2.44E+01	U
WD	STJ	459937012	9/12/2018	Be-7	7.79E+00	8.72E+00	2.92E+01	U
WD	STJ	459937012	9/12/2018	BETA	1.61E+00	1.10E+00	3.32E+00	U
WD	STJ	459937012	9/12/2018	Ce-141	1.67E+01	5.15E+00	5.27E+00	UI
WD	STJ	459937012	9/12/2018	Ce-144	-6.80E+00	5.80E+00	1.69E+01	U
WD	STJ	459937012	9/12/2018	Co-57	9.15E-02	7.26E-01	2.33E+00	U
WD	STJ	459937012	9/12/2018	Co-58	-1.33E+00	1.02E+00	2.88E+00	U
WD	STJ	459937012	9/12/2018	Co-60	8.22E-01	1.04E+00	3.52E+00	U
WD	STJ	459937012	9/12/2018	Cr-51	-3.52E+00	9.80E+00	3.23E+01	U
WD	STJ	459937012	9/12/2018	Cs-134	-1.62E+00	1.13E+00	2.93E+00	U
WD	STJ	459937012	9/12/2018	Cs-137	-6.15E-01	8.64E-01	2.57E+00	U
WD	STJ	459937012	9/12/2018	Fe-59	-3.54E+00	2.26E+00	6.01E+00	U
WD	STJ	459937012	9/12/2018	I-131	-2.28E+00	3.04E+00	9.62E+00	U
WD	STJ	459937012	9/12/2018	K-40	2.73E+01	1.86E+01	2.64E+01	UI
WD	STJ	459937012	9/12/2018	La-140	1.36E+00	2.12E+00	7.49E+00	U
WD	STJ	459937012	9/12/2018	Mn-54	-7.40E-01	7.57E-01	2.30E+00	U
WD	STJ	459937012	9/12/2018	Nb-95	4.83E-01	9.69E-01	3.35E+00	U
WD	STJ	459937012	9/12/2018	Ru-103	-9.73E-01	1.11E+00	3.35E+00	U
WD	STJ	459937012	9/12/2018	Ru-106	6.33E+00	8.41E+00	2.78E+01	U
WD	STJ	459937012	9/12/2018	Sb-124	5.52E+00	2.64E+00	9.33E+00	U
WD	STJ	459937012	9/12/2018	Sb-125	-6.60E-01	2.29E+00	7.40E+00	U
WD	STJ	459937012	9/12/2018	Se-75	7.11E-01	1.11E+00	3.81E+00	U
WD	STJ	459937012	9/12/2018	Th-228	8.82E-01	3.19E+00	6.36E+00	U
WD	STJ	459937012	9/12/2018	Zn-65	3.89E-01	1.51E+00	5.09E+00	U
WD	STJ	459937012	9/12/2018	Zr-95	-1.14E+00	1.57E+00	4.81E+00	U
WD	STJ	459937013	9/12/2018	I-131	3.58E-01	2.84E-01	8.92E-01	U
WD	LTW	459937014	9/12/2018	Ac-228	1.29E+00	4.61E+00	9.67E+00	U
WD	LTW	459937014	9/12/2018	Ag-108m	6.47E-01	7.50E-01	2.58E+00	U
WD	LTW	459937014	9/12/2018	Ag-110m	-1.86E+00	1.17E+00	2.81E+00	U
WD	LTW	459937014	9/12/2018	Ba-140	2.64E+00	5.29E+00	1.64E+01	U
WD	LTW	459937014	9/12/2018	Be-7	1.39E+01	8.65E+00	2.92E+01	U
WD	LTW	459937014	9/12/2018	BETA	4.63E-01	1.04E+00	3.30E+00	U
WD	LTW	459937014	9/12/2018	Ce-141	-1.64E+00	1.88E+00	5.72E+00	U
WD	LTW	459937014	9/12/2018	Ce-144	-1.38E+00	5.43E+00	1.74E+01	U
WD	LTW	459937014	9/12/2018	Co-57	1.11E+00	7.67E-01	2.50E+00	U
WD	LTW	459937014	9/12/2018	Co-58	1.51E-01	9.53E-01	3.09E+00	U
WD	LTW	459937014	9/12/2018	Co-60	-1.05E+00	1.02E+00	2.41E+00	U
WD	LTW	459937014	9/12/2018	Cr-51	1.11E+00	8.55E+00	2.94E+01	U
WD	LTW	459937014	9/12/2018	Cs-134	1.10E+00	8.00E-01	2.77E+00	U
WD	LTW	459937014	9/12/2018	Cs-137	6.46E-01	8.97E-01	3.03E+00	U
WD	LTW	459937014	9/12/2018	Fe-59	3.39E-01	1.75E+00	5.98E+00	U
WD	LTW	459937014	9/12/2018	I-131	8.70E-01	2.55E+00	8.77E+00	U
WD	LTW	459937014	9/12/2018	K-40	1.36E+01	1.81E+01	2.12E+01	U
WD	LTW	459937014	9/12/2018	La-140	8.69E-01	2.19E+00	7.44E+00	U
WD	LTW	459937014	9/12/2018	Mn-54	-7.33E-03	9.67E-01	3.09E+00	U
WD	LTW	459937014	9/12/2018	Nb-95	5.53E-01	9.04E-01	3.02E+00	U
WD	LTW	459937014	9/12/2018	Ru-103	-2.12E-01	9.40E-01	3.07E+00	U
WD	LTW	459937014	9/12/2018	Ru-106	4.09E+00	7.47E+00	2.52E+01	U
WD	LTW	459937014	9/12/2018	Sb-124	-1.66E+00	1.68E+00	4.31E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	459937014	9/12/2018	Sb-125	-7.98E-02	2.07E+00	6.95E+00	U
WD	LTW	459937014	9/12/2018	Se-75	1.40E+00	1.23E+00	3.94E+00	U
WD	LTW	459937014	9/12/2018	Th-228	2.63E-01	3.21E+00	5.88E+00	U
WD	LTW	459937014	9/12/2018	Zn-65	2.83E+00	1.73E+00	6.20E+00	U
WD	LTW	459937014	9/12/2018	Zr-95	-2.41E+00	1.76E+00	4.69E+00	U
WD	LTW	459937015	9/12/2018	I-131	1.89E-01	2.75E-01	8.75E-01	U
WD	STJ	460473023	9/26/2018	Ac-228	2.90E+00	3.17E+00	5.08E+00	U
WD	STJ	460473023	9/26/2018	Ag-108m	1.40E+00	6.16E-01	1.22E+00	UI
WD	STJ	460473023	9/26/2018	Ag-110m	-4.80E-01	5.71E-01	1.70E+00	U
WD	STJ	460473023	9/26/2018	Ba-140	-2.26E+00	2.38E+00	7.39E+00	U
WD	STJ	460473023	9/26/2018	Be-7	-5.57E+00	5.50E+00	1.20E+01	U
WD	STJ	460473023	9/26/2018	BETA	2.95E+00	1.17E+00	3.11E+00	U
WD	STJ	460473023	9/26/2018	Ce-141	1.54E+00	9.00E-01	2.53E+00	U
WD	STJ	460473023	9/26/2018	Ce-144	-1.33E+00	2.79E+00	8.78E+00	U
WD	STJ	460473023	9/26/2018	Co-57	-1.06E-01	3.53E-01	1.12E+00	U
WD	STJ	460473023	9/26/2018	Co-58	-2.19E-01	4.02E-01	1.24E+00	U
WD	STJ	460473023	9/26/2018	Co-60	-6.67E-01	7.41E-01	1.52E+00	U
WD	STJ	460473023	9/26/2018	Cr-51	4.67E+00	4.04E+00	1.35E+01	U
WD	STJ	460473023	9/26/2018	Cs-134	-9.89E-02	4.42E-01	1.40E+00	U
WD	STJ	460473023	9/26/2018	Cs-137	8.54E-01	4.76E-01	1.49E+00	U
WD	STJ	460473023	9/26/2018	Fe-59	6.79E-01	8.43E-01	2.87E+00	U
WD	STJ	460473023	9/26/2018	I-131	-2.35E+00	1.04E+00	2.77E+00	U
WD	STJ	460473023	9/26/2018	K-40	3.45E+01	1.14E+01	1.33E+01	
WD	STJ	460473023	9/26/2018	La-140	-4.72E-01	8.16E-01	2.55E+00	U
WD	STJ	460473023	9/26/2018	Mn-54	-7.24E-01	4.73E-01	1.31E+00	U
WD	STJ	460473023	9/26/2018	Nb-95	7.33E-02	4.51E-01	1.45E+00	U
WD	STJ	460473023	9/26/2018	Ru-103	1.39E+00	9.75E-01	1.50E+00	U
WD	STJ	460473023	9/26/2018	Ru-106	4.10E+00	3.74E+00	1.22E+01	U
WD	STJ	460473023	9/26/2018	Sb-124	-1.30E+00	9.90E-01	2.76E+00	U
WD	STJ	460473023	9/26/2018	Sb-125	-6.52E-01	1.22E+00	3.55E+00	U
WD	STJ	460473023	9/26/2018	Se-75	-1.99E-01	5.44E-01	1.84E+00	U
WD	STJ	460473023	9/26/2018	Th-228	-9.42E-01	1.34E+00	2.91E+00	U
WD	STJ	460473023	9/26/2018	Zn-65	1.45E-02	9.17E-01	2.71E+00	U
WD	STJ	460473023	9/26/2018	Zr-95	4.08E-01	7.13E-01	2.32E+00	U
WD	STJ	460473024	9/26/2018	I-131	5.89E-01	2.33E-01	7.17E-01	U
WD	LTW	460473025	9/26/2018	Ac-228	3.47E+00	3.81E+00	7.05E+00	U
WD	LTW	460473025	9/26/2018	Ag-108m	-1.06E+00	4.40E-01	1.10E+00	U
WD	LTW	460473025	9/26/2018	Ag-110m	1.99E-01	5.80E-01	1.96E+00	U
WD	LTW	460473025	9/26/2018	Ba-140	-1.41E-01	2.52E+00	8.16E+00	U
WD	LTW	460473025	9/26/2018	Be-7	-8.53E-02	3.60E+00	1.18E+01	U
WD	LTW	460473025	9/26/2018	BETA	1.30E+00	8.90E-01	2.54E+00	U
WD	LTW	460473025	9/26/2018	Ce-141	9.81E-01	1.64E+00	2.43E+00	U
WD	LTW	460473025	9/26/2018	Ce-144	4.81E+00	3.94E+00	8.93E+00	U
WD	LTW	460473025	9/26/2018	Co-57	8.47E-02	3.55E-01	1.14E+00	U
WD	LTW	460473025	9/26/2018	Co-58	-6.64E-01	4.57E-01	1.38E+00	U
WD	LTW	460473025	9/26/2018	Co-60	1.72E+00	8.98E-01	1.54E+00	UI
WD	LTW	460473025	9/26/2018	Cr-51	-7.38E-01	4.16E+00	1.39E+01	U
WD	LTW	460473025	9/26/2018	Cs-134	3.06E-01	4.65E-01	1.59E+00	U
WD	LTW	460473025	9/26/2018	Cs-137	-3.39E-01	4.52E-01	1.38E+00	U
WD	LTW	460473025	9/26/2018	Fe-59	-1.57E+00	9.40E-01	2.63E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	460473025	9/26/2018	I-131	3.66E-01	8.98E-01	3.00E+00	U
WD	LTW	460473025	9/26/2018	K-40	-1.51E+01	9.35E+00	2.15E+01	U
WD	LTW	460473025	9/26/2018	La-140	-3.67E-01	8.26E-01	2.72E+00	U
WD	LTW	460473025	9/26/2018	Mn-54	2.35E-01	3.93E-01	1.34E+00	U
WD	LTW	460473025	9/26/2018	Nb-95	6.35E-01	4.81E-01	1.61E+00	U
WD	LTW	460473025	9/26/2018	Ru-103	-3.03E-01	4.91E-01	1.56E+00	U
WD	LTW	460473025	9/26/2018	Ru-106	3.40E+00	4.00E+00	1.29E+01	U
WD	LTW	460473025	9/26/2018	Sb-124	-5.68E-01	1.05E+00	3.39E+00	U
WD	LTW	460473025	9/26/2018	Sb-125	-6.82E-01	1.10E+00	3.51E+00	U
WD	LTW	460473025	9/26/2018	Se-75	1.17E+00	6.00E-01	1.89E+00	U
WD	LTW	460473025	9/26/2018	Th-228	5.07E-01	1.97E+00	2.98E+00	U
WD	LTW	460473025	9/26/2018	Zn-65	5.90E-01	9.77E-01	3.03E+00	U
WD	LTW	460473025	9/26/2018	Zr-95	7.92E-01	1.42E+00	2.57E+00	U
WD	LTW	460473026	9/26/2018	I-131	7.50E-01	2.79E-01	8.49E-01	U
WD	STJ	465127001	9/26/2018	H-3	-1.51E+02	1.58E+02	5.45E+02	U
WD	LTW	465127002	9/26/2018	H-3	-2.92E+02	1.51E+02	5.45E+02	U
WD	STJ	461652023	10/10/2018	Ac-228	5.10E-01	4.78E+00	1.64E+01	U
WD	STJ	461652023	10/10/2018	Ag-108m	5.18E-01	9.88E-01	2.92E+00	U
WD	STJ	461652023	10/10/2018	Ag-110m	-9.90E-01	1.56E+00	4.61E+00	U
WD	STJ	461652023	10/10/2018	Ba-140	-5.55E+00	6.37E+00	1.88E+01	U
WD	STJ	461652023	10/10/2018	Be-7	4.85E+00	9.16E+00	3.11E+01	U
WD	STJ	461652023	10/10/2018	BETA	2.36E+00	1.06E+00	2.90E+00	U
WD	STJ	461652023	10/10/2018	Ce-141	2.50E-01	2.28E+00	7.03E+00	U
WD	STJ	461652023	10/10/2018	Ce-144	6.02E+00	7.39E+00	2.42E+01	U
WD	STJ	461652023	10/10/2018	Co-57	5.78E-01	1.07E+00	3.48E+00	U
WD	STJ	461652023	10/10/2018	Co-58	-2.15E-01	9.82E-01	3.25E+00	U
WD	STJ	461652023	10/10/2018	Co-60	3.01E+00	1.26E+00	4.62E+00	U
WD	STJ	461652023	10/10/2018	Cr-51	3.11E+00	1.23E+01	3.79E+01	U
WD	STJ	461652023	10/10/2018	Cs-134	1.29E+00	1.04E+00	3.77E+00	U
WD	STJ	461652023	10/10/2018	Cs-137	7.91E-01	1.13E+00	3.66E+00	U
WD	STJ	461652023	10/10/2018	Fe-59	2.54E+00	2.21E+00	7.44E+00	U
WD	STJ	461652023	10/10/2018	I-131	7.68E-01	2.04E+00	6.95E+00	U
WD	STJ	461652023	10/10/2018	K-40	-9.65E+00	1.63E+01	5.66E+01	U
WD	STJ	461652023	10/10/2018	La-140	-1.51E+00	1.78E+00	4.60E+00	U
WD	STJ	461652023	10/10/2018	Mn-54	-2.95E+00	1.37E+00	2.75E+00	U
WD	STJ	461652023	10/10/2018	Nb-95	-5.68E-01	1.23E+00	4.00E+00	U
WD	STJ	461652023	10/10/2018	Ru-103	7.47E-01	1.36E+00	4.56E+00	U
WD	STJ	461652023	10/10/2018	Ru-106	-5.05E+00	8.86E+00	2.65E+01	U
WD	STJ	461652023	10/10/2018	Sb-124	-2.53E+00	3.09E+00	9.13E+00	U
WD	STJ	461652023	10/10/2018	Sb-125	-3.70E-01	2.23E+00	7.26E+00	U
WD	STJ	461652023	10/10/2018	Se-75	-4.47E-02	1.55E+00	5.27E+00	U
WD	STJ	461652023	10/10/2018	Th-228	1.36E+01	6.30E+00	9.77E+00	UI
WD	STJ	461652023	10/10/2018	Zn-65	-4.96E+00	2.59E+00	5.53E+00	U
WD	STJ	461652023	10/10/2018	Zr-95	-2.15E+00	1.89E+00	5.51E+00	U
WD	STJ	461652024	10/10/2018	I-131	-1.44E-01	2.41E-01	8.19E-01	U
WD	LTW	461652025	10/10/2018	Ac-228	1.12E+01	7.42E+00	1.99E+01	U
WD	LTW	461652025	10/10/2018	Ag-108m	-7.46E-01	7.93E-01	2.39E+00	U
WD	LTW	461652025	10/10/2018	Ag-110m	2.01E+00	2.61E+00	4.37E+00	U
WD	LTW	461652025	10/10/2018	Ba-140	6.81E-01	5.87E+00	1.96E+01	U
WD	LTW	461652025	10/10/2018	Be-7	3.80E+00	8.57E+00	2.93E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	461652025	10/10/2018	BETA	1.67E+00	9.48E-01	2.61E+00	U
WD	LTW	461652025	10/10/2018	Ce-141	9.39E-01	1.90E+00	6.23E+00	U
WD	LTW	461652025	10/10/2018	Ce-144	6.42E+00	6.71E+00	2.23E+01	U
WD	LTW	461652025	10/10/2018	Co-57	2.91E-01	8.95E-01	2.95E+00	U
WD	LTW	461652025	10/10/2018	Co-58	-1.13E+00	9.83E-01	2.57E+00	U
WD	LTW	461652025	10/10/2018	Co-60	1.67E-01	1.02E+00	3.43E+00	U
WD	LTW	461652025	10/10/2018	Cr-51	-5.87E+00	8.85E+00	2.86E+01	U
WD	LTW	461652025	10/10/2018	Cs-134	1.34E+00	1.00E+00	3.54E+00	U
WD	LTW	461652025	10/10/2018	Cs-137	-1.76E+00	1.10E+00	2.73E+00	U
WD	LTW	461652025	10/10/2018	Fe-59	-4.14E-01	1.60E+00	5.18E+00	U
WD	LTW	461652025	10/10/2018	I-131	-2.43E-03	2.82E+00	6.85E+00	U
WD	LTW	461652025	10/10/2018	K-40	-1.45E+01	1.32E+01	3.98E+01	U
WD	LTW	461652025	10/10/2018	La-140	7.25E-01	2.28E+00	6.88E+00	U
WD	LTW	461652025	10/10/2018	Mn-54	-2.00E-01	1.08E+00	3.38E+00	U
WD	LTW	461652025	10/10/2018	Nb-95	-6.51E-01	1.20E+00	3.55E+00	U
WD	LTW	461652025	10/10/2018	Ru-103	3.68E-01	1.17E+00	3.95E+00	U
WD	LTW	461652025	10/10/2018	Ru-106	-4.84E+00	9.72E+00	2.64E+01	U
WD	LTW	461652025	10/10/2018	Sb-124	5.79E-01	2.72E+00	9.07E+00	U
WD	LTW	461652025	10/10/2018	Sb-125	3.66E+00	2.82E+00	9.82E+00	U
WD	LTW	461652025	10/10/2018	Se-75	-1.49E+00	1.59E+00	4.55E+00	U
WD	LTW	461652025	10/10/2018	Th-228	-1.59E+00	2.38E+00	6.88E+00	U
WD	LTW	461652025	10/10/2018	Zn-65	-1.78E+00	2.13E+00	6.35E+00	U
WD	LTW	461652025	10/10/2018	Zr-95	-1.30E+00	1.88E+00	5.53E+00	U
WD	LTW	461652026	10/10/2018	I-131	-1.22E+00	2.40E-01	8.51E-01	U
WD	STJ	462774023	10/24/2018	Ac-228	8.22E+00	8.80E+00	2.09E+01	U
WD	STJ	462774023	10/24/2018	Ag-108m	3.00E-02	1.12E+00	3.79E+00	U
WD	STJ	462774023	10/24/2018	Ag-110m	-2.17E-01	1.65E+00	5.31E+00	U
WD	STJ	462774023	10/24/2018	Ba-140	1.29E+00	5.81E+00	1.97E+01	U
WD	STJ	462774023	10/24/2018	Be-7	-1.06E+01	1.22E+01	3.68E+01	U
WD	STJ	462774023	10/24/2018	BETA	1.65E+00	9.27E-01	2.61E+00	U
WD	STJ	462774023	10/24/2018	Ce-141	-2.18E+00	2.41E+00	7.28E+00	U
WD	STJ	462774023	10/24/2018	Ce-144	-1.33E+01	9.56E+00	2.74E+01	U
WD	STJ	462774023	10/24/2018	Co-57	-6.02E-01	1.18E+00	3.71E+00	U
WD	STJ	462774023	10/24/2018	Co-58	-6.92E-01	1.17E+00	3.38E+00	U
WD	STJ	462774023	10/24/2018	Co-60	1.17E-01	1.21E+00	3.87E+00	U
WD	STJ	462774023	10/24/2018	Cr-51	-5.24E+00	1.08E+01	3.59E+01	U
WD	STJ	462774023	10/24/2018	Cs-134	2.00E+00	1.36E+00	4.55E+00	U
WD	STJ	462774023	10/24/2018	Cs-137	-2.69E+00	1.34E+00	3.24E+00	U
WD	STJ	462774023	10/24/2018	Fe-59	-2.31E+00	2.46E+00	6.94E+00	U
WD	STJ	462774023	10/24/2018	I-131	-3.42E+00	2.48E+00	6.76E+00	U
WD	STJ	462774023	10/24/2018	K-40	4.99E+00	2.05E+01	4.20E+01	U
WD	STJ	462774023	10/24/2018	La-140	-2.65E+00	2.13E+00	5.91E+00	U
WD	STJ	462774023	10/24/2018	Mn-54	-1.28E+00	1.27E+00	3.72E+00	U
WD	STJ	462774023	10/24/2018	Nb-95	4.13E-01	1.17E+00	3.56E+00	U
WD	STJ	462774023	10/24/2018	Ru-103	-9.60E-01	1.23E+00	3.87E+00	U
WD	STJ	462774023	10/24/2018	Ru-106	-9.79E+00	1.11E+01	3.22E+01	U
WD	STJ	462774023	10/24/2018	Sb-124	3.05E-01	2.57E+00	8.74E+00	U
WD	STJ	462774023	10/24/2018	Sb-125	-4.38E+00	3.65E+00	1.11E+01	U
WD	STJ	462774023	10/24/2018	Se-75	2.33E+00	1.87E+00	5.95E+00	U
WD	STJ	462774023	10/24/2018	Th-228	2.12E+01	4.29E+00	7.11E+00	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	462774023	10/24/2018	Zn-65	1.48E-01	2.29E+00	6.59E+00	U
WD	STJ	462774023	10/24/2018	Zr-95	2.39E+00	2.09E+00	7.21E+00	U
WD	STJ	462774024	10/24/2018	I-131	2.86E-01	2.57E-01	7.93E-01	U
WD	LTW	462774025	10/24/2018	Ac-228	3.25E+00	7.11E+00	2.51E+01	U
WD	LTW	462774025	10/24/2018	Ag-108m	9.78E-01	1.19E+00	4.12E+00	U
WD	LTW	462774025	10/24/2018	Ag-110m	1.85E+00	1.69E+00	6.11E+00	U
WD	LTW	462774025	10/24/2018	Ba-140	-1.14E+00	5.91E+00	1.90E+01	U
WD	LTW	462774025	10/24/2018	Be-7	8.53E+00	1.12E+01	3.85E+01	U
WD	LTW	462774025	10/24/2018	BETA	3.42E-01	8.21E-01	2.55E+00	U
WD	LTW	462774025	10/24/2018	Ce-141	-2.32E+00	2.32E+00	6.91E+00	U
WD	LTW	462774025	10/24/2018	Ce-144	3.36E+01	1.27E+01	2.48E+01	UI
WD	LTW	462774025	10/24/2018	Co-57	-3.81E-01	1.16E+00	3.72E+00	U
WD	LTW	462774025	10/24/2018	Co-58	1.97E+00	1.37E+00	4.77E+00	U
WD	LTW	462774025	10/24/2018	Co-60	4.95E-01	1.36E+00	4.66E+00	U
WD	LTW	462774025	10/24/2018	Cr-51	-1.61E+01	1.19E+01	3.51E+01	U
WD	LTW	462774025	10/24/2018	Cs-134	-1.06E+00	1.44E+00	4.10E+00	U
WD	LTW	462774025	10/24/2018	Cs-137	1.24E+00	1.30E+00	4.48E+00	U
WD	LTW	462774025	10/24/2018	Fe-59	5.20E+00	2.53E+00	9.00E+00	U
WD	LTW	462774025	10/24/2018	I-131	-4.84E+00	2.42E+00	6.07E+00	U
WD	LTW	462774025	10/24/2018	K-40	-1.14E+00	1.75E+01	5.99E+01	U
WD	LTW	462774025	10/24/2018	La-140	1.01E+00	2.08E+00	7.17E+00	U
WD	LTW	462774025	10/24/2018	Mn-54	-6.25E-01	1.38E+00	4.51E+00	U
WD	LTW	462774025	10/24/2018	Nb-95	9.57E-02	1.29E+00	4.14E+00	U
WD	LTW	462774025	10/24/2018	Ru-103	-2.76E+00	1.72E+00	4.65E+00	U
WD	LTW	462774025	10/24/2018	Ru-106	-2.34E+01	1.29E+01	3.01E+01	U
WD	LTW	462774025	10/24/2018	Sb-124	2.68E+00	3.10E+00	1.12E+01	U
WD	LTW	462774025	10/24/2018	Sb-125	3.64E+00	3.48E+00	1.21E+01	U
WD	LTW	462774025	10/24/2018	Se-75	2.03E+00	1.74E+00	5.32E+00	U
WD	LTW	462774025	10/24/2018	Th-228	9.79E+00	4.26E+00	1.04E+01	U
WD	LTW	462774025	10/24/2018	Zn-65	-2.14E+00	3.15E+00	8.05E+00	U
WD	LTW	462774025	10/24/2018	Zr-95	1.88E+00	2.53E+00	8.54E+00	U
WD	LTW	462774026	10/24/2018	I-131	-1.31E-01	2.19E-01	7.48E-01	U
WD	STJ	464017023	11/7/2018	Ac-228	-3.73E+00	4.47E+00	1.43E+01	U
WD	STJ	464017023	11/7/2018	Ag-108m	2.33E+00	1.16E+00	2.57E+00	U
WD	STJ	464017023	11/7/2018	Ag-110m	2.18E+00	1.33E+00	4.55E+00	U
WD	STJ	464017023	11/7/2018	Ba-140	2.45E+00	6.06E+00	2.00E+01	U
WD	STJ	464017023	11/7/2018	Be-7	-4.77E+00	8.04E+00	2.52E+01	U
WD	STJ	464017023	11/7/2018	BETA	1.92E+00	1.19E+00	3.51E+00	U
WD	STJ	464017023	11/7/2018	Ce-141	-1.16E+00	1.82E+00	5.57E+00	U
WD	STJ	464017023	11/7/2018	Ce-144	5.63E-01	5.96E+00	1.76E+01	U
WD	STJ	464017023	11/7/2018	Co-57	-3.33E-01	7.58E-01	2.38E+00	U
WD	STJ	464017023	11/7/2018	Co-58	6.45E-01	1.05E+00	3.40E+00	U
WD	STJ	464017023	11/7/2018	Co-60	6.15E-01	8.31E-01	2.86E+00	U
WD	STJ	464017023	11/7/2018	Cr-51	-1.09E+01	9.99E+00	3.09E+01	U
WD	STJ	464017023	11/7/2018	Cs-134	1.05E+00	1.02E+00	3.23E+00	U
WD	STJ	464017023	11/7/2018	Cs-137	4.85E-01	9.33E-01	3.06E+00	U
WD	STJ	464017023	11/7/2018	Fe-59	4.03E+00	2.34E+00	7.92E+00	U
WD	STJ	464017023	11/7/2018	I-131	6.20E-01	2.71E+00	9.11E+00	U
WD	STJ	464017023	11/7/2018	K-40	4.36E+01	1.92E+01	2.72E+01	
WD	STJ	464017023	11/7/2018	La-140	-2.62E+00	2.23E+00	5.06E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	464017023	11/7/2018	Mn-54	-6.50E-01	8.79E-01	2.78E+00	U
WD	STJ	464017023	11/7/2018	Nb-95	-6.41E-01	8.55E-01	2.71E+00	U
WD	STJ	464017023	11/7/2018	Ru-103	-3.92E-01	1.09E+00	3.49E+00	U
WD	STJ	464017023	11/7/2018	Ru-106	1.90E+01	8.64E+00	2.70E+01	U
WD	STJ	464017023	11/7/2018	Sb-124	-2.69E+00	2.12E+00	5.74E+00	U
WD	STJ	464017023	11/7/2018	Sb-125	-1.36E+00	2.66E+00	7.50E+00	U
WD	STJ	464017023	11/7/2018	Se-75	-7.19E-01	1.18E+00	3.87E+00	U
WD	STJ	464017023	11/7/2018	Th-228	1.95E+00	2.26E+00	6.36E+00	U
WD	STJ	464017023	11/7/2018	Zn-65	-4.30E-01	2.01E+00	5.65E+00	U
WD	STJ	464017023	11/7/2018	Zr-95	3.09E+00	1.79E+00	6.16E+00	U
WD	STJ	464017024	11/7/2018	I-131	-2.51E-01	1.25E-01	4.33E-01	U
WD	LTW	464017025	11/7/2018	Ac-228	7.44E+00	6.69E+00	1.15E+01	U
WD	LTW	464017025	11/7/2018	Ag-108m	-6.17E-01	6.88E-01	2.11E+00	U
WD	LTW	464017025	11/7/2018	Ag-110m	-2.12E+00	1.34E+00	3.25E+00	U
WD	LTW	464017025	11/7/2018	Ba-140	-7.90E+00	6.27E+00	1.78E+01	U
WD	LTW	464017025	11/7/2018	Be-7	6.40E+00	8.09E+00	2.55E+01	U
WD	LTW	464017025	11/7/2018	BETA	3.73E-02	9.83E-01	3.20E+00	U
WD	LTW	464017025	11/7/2018	Ce-141	-4.12E+00	2.30E+00	6.17E+00	U
WD	LTW	464017025	11/7/2018	Ce-144	-9.41E+00	6.92E+00	1.98E+01	U
WD	LTW	464017025	11/7/2018	Co-57	4.22E-01	8.24E-01	2.70E+00	U
WD	LTW	464017025	11/7/2018	Co-58	-4.80E-01	9.48E-01	2.88E+00	U
WD	LTW	464017025	11/7/2018	Co-60	1.22E+00	9.78E-01	3.51E+00	U
WD	LTW	464017025	11/7/2018	Cr-51	1.21E+01	1.03E+01	3.55E+01	U
WD	LTW	464017025	11/7/2018	Cs-134	1.64E+00	1.02E+00	3.49E+00	U
WD	LTW	464017025	11/7/2018	Cs-137	8.60E-01	9.12E-01	3.12E+00	U
WD	LTW	464017025	11/7/2018	Fe-59	-2.25E-01	1.95E+00	6.04E+00	U
WD	LTW	464017025	11/7/2018	I-131	-5.19E-01	2.86E+00	9.57E+00	U
WD	LTW	464017025	11/7/2018	K-40	-2.49E+00	1.49E+01	4.80E+01	U
WD	LTW	464017025	11/7/2018	La-140	8.76E+00	2.16E+00	8.02E+00	UI
WD	LTW	464017025	11/7/2018	Mn-54	1.38E+00	1.06E+00	3.31E+00	U
WD	LTW	464017025	11/7/2018	Nb-95	8.03E-02	1.34E+00	3.90E+00	U
WD	LTW	464017025	11/7/2018	Ru-103	3.98E-01	1.08E+00	3.65E+00	U
WD	LTW	464017025	11/7/2018	Ru-106	3.88E+00	7.92E+00	2.67E+01	U
WD	LTW	464017025	11/7/2018	Sb-124	-2.21E+00	2.17E+00	5.77E+00	U
WD	LTW	464017025	11/7/2018	Sb-125	-7.61E-01	2.47E+00	8.10E+00	U
WD	LTW	464017025	11/7/2018	Se-75	-8.36E-01	1.29E+00	4.27E+00	U
WD	LTW	464017025	11/7/2018	Th-228	3.30E-01	3.12E+00	7.69E+00	U
WD	LTW	464017025	11/7/2018	Zn-65	1.58E+00	1.75E+00	5.75E+00	U
WD	LTW	464017025	11/7/2018	Zr-95	1.72E+00	1.88E+00	6.35E+00	U
WD	LTW	464017026	11/7/2018	I-131	1.09E-01	1.38E-01	4.45E-01	U
WD	STJ	465343023	11/21/2018	Ac-228	-3.27E+00	5.86E+00	1.73E+01	U
WD	STJ	465343023	11/21/2018	Ag-108m	-2.31E-01	1.14E+00	3.66E+00	U
WD	STJ	465343023	11/21/2018	Ag-110m	1.99E-01	1.83E+00	6.12E+00	U
WD	STJ	465343023	11/21/2018	Ba-140	6.68E-01	5.68E+00	1.84E+01	U
WD	STJ	465343023	11/21/2018	Be-7	-1.26E+00	1.13E+01	3.60E+01	U
WD	STJ	465343023	11/21/2018	BETA	2.56E+00	9.95E-01	2.60E+00	U
WD	STJ	465343023	11/21/2018	Ce-141	2.03E+00	2.26E+00	7.20E+00	U
WD	STJ	465343023	11/21/2018	Ce-144	-5.27E+00	8.39E+00	2.55E+01	U
WD	STJ	465343023	11/21/2018	Co-57	1.62E+00	1.08E+00	3.40E+00	U
WD	STJ	465343023	11/21/2018	Co-58	-1.05E+00	1.37E+00	4.19E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	465343023	11/21/2018	Co-60	-4.32E-01	9.94E-01	3.11E+00	U
WD	STJ	465343023	11/21/2018	Cr-51	4.24E+00	1.17E+01	3.95E+01	U
WD	STJ	465343023	11/21/2018	Cs-134	4.68E+00	1.77E+00	5.73E+00	U
WD	STJ	465343023	11/21/2018	Cs-137	-9.33E-01	1.36E+00	4.30E+00	U
WD	STJ	465343023	11/21/2018	Fe-59	4.76E+00	3.52E+00	1.21E+01	U
WD	STJ	465343023	11/21/2018	I-131	-3.87E-01	2.42E+00	7.37E+00	U
WD	STJ	465343023	11/21/2018	K-40	6.72E+00	2.25E+01	7.75E+01	U
WD	STJ	465343023	11/21/2018	La-140	-1.24E+00	1.88E+00	5.49E+00	U
WD	STJ	465343023	11/21/2018	Mn-54	2.61E+00	1.34E+00	4.70E+00	U
WD	STJ	465343023	11/21/2018	Nb-95	-8.66E-01	1.19E+00	3.64E+00	U
WD	STJ	465343023	11/21/2018	Ru-103	-9.13E-01	1.42E+00	4.30E+00	U
WD	STJ	465343023	11/21/2018	Ru-106	3.23E+00	1.14E+01	3.93E+01	U
WD	STJ	465343023	11/21/2018	Sb-124	-3.18E-01	3.30E+00	1.08E+01	U
WD	STJ	465343023	11/21/2018	Sb-125	3.52E+00	3.24E+00	1.10E+01	U
WD	STJ	465343023	11/21/2018	Se-75	-3.64E+00	1.88E+00	5.04E+00	U
WD	STJ	465343023	11/21/2018	Th-228	1.36E-01	2.72E+00	8.88E+00	U
WD	STJ	465343023	11/21/2018	Zn-65	5.53E-01	3.77E+00	1.09E+01	U
WD	STJ	465343023	11/21/2018	Zr-95	-1.07E+00	2.46E+00	7.91E+00	U
WD	STJ	465343024	11/21/2018	I-131	1.89E-01	1.31E-01	4.15E-01	U
WD	LTW	465343025	11/21/2018	Ac-228	2.56E+00	4.93E+00	1.67E+01	U
WD	LTW	465343025	11/21/2018	Ag-108m	3.17E-01	7.77E-01	2.69E+00	U
WD	LTW	465343025	11/21/2018	Ag-110m	-7.28E-01	1.46E+00	4.44E+00	U
WD	LTW	465343025	11/21/2018	Ba-140	9.32E+00	5.69E+00	1.98E+01	U
WD	LTW	465343025	11/21/2018	Be-7	1.58E+00	7.33E+00	2.50E+01	U
WD	LTW	465343025	11/21/2018	BETA	1.67E+00	9.12E-01	2.56E+00	U
WD	LTW	465343025	11/21/2018	Ce-141	-1.87E+00	1.84E+00	5.44E+00	U
WD	LTW	465343025	11/21/2018	Ce-144	-5.81E+00	7.03E+00	2.14E+01	U
WD	LTW	465343025	11/21/2018	Co-57	-4.61E-01	8.30E-01	2.59E+00	U
WD	LTW	465343025	11/21/2018	Co-58	-4.83E-01	8.34E-01	2.12E+00	U
WD	LTW	465343025	11/21/2018	Co-60	1.21E-01	1.00E+00	3.44E+00	U
WD	LTW	465343025	11/21/2018	Cr-51	-9.62E-01	9.20E+00	3.14E+01	U
WD	LTW	465343025	11/21/2018	Cs-134	4.65E-01	8.18E-01	2.84E+00	U
WD	LTW	465343025	11/21/2018	Cs-137	8.49E-01	1.06E+00	3.65E+00	U
WD	LTW	465343025	11/21/2018	Fe-59	-5.89E-01	1.64E+00	4.19E+00	U
WD	LTW	465343025	11/21/2018	I-131	-1.98E+00	1.68E+00	5.03E+00	U
WD	LTW	465343025	11/21/2018	K-40	-1.73E+01	1.60E+01	4.84E+01	U
WD	LTW	465343025	11/21/2018	La-140	2.93E+00	1.38E+00	5.51E+00	U
WD	LTW	465343025	11/21/2018	Mn-54	1.91E+00	1.12E+00	3.87E+00	U
WD	LTW	465343025	11/21/2018	Nb-95	-5.86E-01	1.15E+00	3.57E+00	U
WD	LTW	465343025	11/21/2018	Ru-103	-2.46E-01	9.40E-01	3.08E+00	U
WD	LTW	465343025	11/21/2018	Ru-106	1.57E+01	9.04E+00	3.16E+01	U
WD	LTW	465343025	11/21/2018	Sb-124	2.49E+00	2.85E+00	1.02E+01	U
WD	LTW	465343025	11/21/2018	Sb-125	4.30E-01	2.40E+00	8.21E+00	U
WD	LTW	465343025	11/21/2018	Se-75	-1.26E+00	1.44E+00	4.13E+00	U
WD	LTW	465343025	11/21/2018	Th-228	2.44E+00	2.83E+00	7.34E+00	U
WD	LTW	465343025	11/21/2018	Zn-65	3.57E+00	2.70E+00	8.30E+00	U
WD	LTW	465343025	11/21/2018	Zr-95	1.30E-01	1.58E+00	5.22E+00	U
WD	LTW	465343026	11/21/2018	I-131	1.56E-02	1.52E-01	4.99E-01	U
WD	STJ	466454023	12/5/2018	Ac-228	8.26E+00	6.30E+00	1.62E+01	U
WD	STJ	466454023	12/5/2018	Ag-108m	-9.99E-01	8.61E-01	2.52E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	466454023	12/5/2018	Ag-110m	-2.81E+00	1.94E+00	4.12E+00	U
WD	STJ	466454023	12/5/2018	Ba-140	-2.75E+00	5.25E+00	1.64E+01	U
WD	STJ	466454023	12/5/2018	Be-7	-1.02E+01	8.31E+00	2.36E+01	U
WD	STJ	466454023	12/5/2018	BETA	1.02E+00	1.02E+00	3.10E+00	U
WD	STJ	466454023	12/5/2018	Ce-141	1.44E-01	1.94E+00	6.29E+00	U
WD	STJ	466454023	12/5/2018	Ce-144	-6.84E+00	6.70E+00	1.99E+01	U
WD	STJ	466454023	12/5/2018	Co-57	-8.42E-01	9.11E-01	2.76E+00	U
WD	STJ	466454023	12/5/2018	Co-58	-6.86E-01	9.55E-01	2.75E+00	U
WD	STJ	466454023	12/5/2018	Co-60	7.51E-01	1.17E+00	4.09E+00	U
WD	STJ	466454023	12/5/2018	Cr-51	-3.85E+00	1.09E+01	3.22E+01	U
WD	STJ	466454023	12/5/2018	Cs-134	2.06E+00	1.22E+00	4.24E+00	U
WD	STJ	466454023	12/5/2018	Cs-137	-8.93E-01	1.02E+00	2.94E+00	U
WD	STJ	466454023	12/5/2018	Fe-59	-9.03E-01	2.46E+00	6.86E+00	U
WD	STJ	466454023	12/5/2018	I-131	1.71E+00	2.09E+00	7.29E+00	U
WD	STJ	466454023	12/5/2018	K-40	-1.24E+01	1.62E+01	5.34E+01	U
WD	STJ	466454023	12/5/2018	La-140	-1.29E+00	1.66E+00	4.60E+00	U
WD	STJ	466454023	12/5/2018	Mn-54	9.58E-01	1.08E+00	3.68E+00	U
WD	STJ	466454023	12/5/2018	Nb-95	7.60E-01	1.42E+00	4.18E+00	U
WD	STJ	466454023	12/5/2018	Ru-103	2.08E+00	1.22E+00	3.54E+00	U
WD	STJ	466454023	12/5/2018	Ru-106	-1.27E+01	1.04E+01	2.44E+01	U
WD	STJ	466454023	12/5/2018	Sb-124	-4.67E-01	9.08E-01	2.18E+00	U
WD	STJ	466454023	12/5/2018	Sb-125	-4.00E+00	2.80E+00	7.88E+00	U
WD	STJ	466454023	12/5/2018	Se-75	-7.62E-01	1.49E+00	4.45E+00	U
WD	STJ	466454023	12/5/2018	Th-228	9.23E-01	2.97E+00	7.37E+00	U
WD	STJ	466454023	12/5/2018	Zn-65	-6.87E-01	1.81E+00	5.78E+00	U
WD	STJ	466454023	12/5/2018	Zr-95	1.90E-01	1.60E+00	5.22E+00	U
WD	STJ	466454024	12/5/2018	I-131	-2.74E-02	1.68E-01	5.54E-01	U
WD	LTW	466454025	12/5/2018	Ac-228	1.62E+00	7.43E+00	1.17E+01	U
WD	LTW	466454025	12/5/2018	Ag-108m	6.90E-02	9.49E-01	3.20E+00	U
WD	LTW	466454025	12/5/2018	Ag-110m	2.41E+00	1.41E+00	5.13E+00	U
WD	LTW	466454025	12/5/2018	Ba-140	4.19E+00	5.40E+00	1.87E+01	U
WD	LTW	466454025	12/5/2018	Be-7	-1.72E+01	8.99E+00	2.15E+01	U
WD	LTW	466454025	12/5/2018	BETA	3.28E+00	1.27E+00	3.69E+00	U
WD	LTW	466454025	12/5/2018	Ce-141	8.88E-01	1.99E+00	6.54E+00	U
WD	LTW	466454025	12/5/2018	Ce-144	-7.68E-01	6.66E+00	2.15E+01	U
WD	LTW	466454025	12/5/2018	Co-57	-8.04E-01	9.88E-01	3.04E+00	U
WD	LTW	466454025	12/5/2018	Co-58	-5.78E-01	9.77E-01	2.86E+00	U
WD	LTW	466454025	12/5/2018	Co-60	1.59E+00	1.18E+00	4.30E+00	U
WD	LTW	466454025	12/5/2018	Cr-51	-1.70E+01	1.07E+01	3.07E+01	U
WD	LTW	466454025	12/5/2018	Cs-134	1.13E+00	9.54E-01	3.39E+00	U
WD	LTW	466454025	12/5/2018	Cs-137	3.74E-01	2.35E+00	3.34E+00	U
WD	LTW	466454025	12/5/2018	Fe-59	-1.63E+00	1.94E+00	5.66E+00	U
WD	LTW	466454025	12/5/2018	I-131	2.14E+00	1.83E+00	6.47E+00	U
WD	LTW	466454025	12/5/2018	K-40	-4.64E+00	1.65E+01	5.19E+01	U
WD	LTW	466454025	12/5/2018	La-140	-1.63E+00	2.09E+00	5.89E+00	U
WD	LTW	466454025	12/5/2018	Mn-54	9.89E-01	9.14E-01	3.20E+00	U
WD	LTW	466454025	12/5/2018	Nb-95	3.21E-01	1.01E+00	3.35E+00	U
WD	LTW	466454025	12/5/2018	Ru-103	-1.84E+00	1.21E+00	3.26E+00	U
WD	LTW	466454025	12/5/2018	Ru-106	-9.70E+00	9.94E+00	2.87E+01	U
WD	LTW	466454025	12/5/2018	Sb-124	5.76E-01	2.11E+00	7.17E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	466454025	12/5/2018	Sb-125	1.37E+00	2.81E+00	9.66E+00	U
WD	LTW	466454025	12/5/2018	Se-75	8.50E-02	1.51E+00	4.73E+00	U
WD	LTW	466454025	12/5/2018	Th-228	3.19E+00	3.93E+00	6.80E+00	U
WD	LTW	466454025	12/5/2018	Zn-65	2.14E+00	2.22E+00	8.00E+00	U
WD	LTW	466454025	12/5/2018	Zr-95	2.23E-01	1.79E+00	5.85E+00	U
WD	LTW	466454026	12/5/2018	I-131	-4.82E-01	2.67E-01	8.99E-01	U
WD	STJ	467546023	12/19/2018	Ac-228	2.06E+00	4.76E+00	1.04E+01	U
WD	STJ	467546023	12/19/2018	Ag-108m	2.19E-01	5.89E-01	2.02E+00	U
WD	STJ	467546023	12/19/2018	Ag-110m	-1.88E-01	1.02E+00	3.29E+00	U
WD	STJ	467546023	12/19/2018	Ba-140	-7.14E+00	6.00E+00	1.49E+01	U
WD	STJ	467546023	12/19/2018	Be-7	6.32E+00	6.60E+00	2.27E+01	U
WD	STJ	467546023	12/19/2018	BETA	2.60E+00	1.13E+00	3.12E+00	U
WD	STJ	467546023	12/19/2018	Ce-141	2.44E-01	1.68E+00	4.98E+00	U
WD	STJ	467546023	12/19/2018	Ce-144	1.23E+01	6.02E+00	1.82E+01	U
WD	STJ	467546023	12/19/2018	Co-57	-5.49E-01	7.02E-01	2.17E+00	U
WD	STJ	467546023	12/19/2018	Co-58	-2.85E-01	8.71E-01	2.23E+00	U
WD	STJ	467546023	12/19/2018	Co-60	-3.09E-01	7.52E-01	2.27E+00	U
WD	STJ	467546023	12/19/2018	Cr-51	-1.56E+00	7.00E+00	2.38E+01	U
WD	STJ	467546023	12/19/2018	Cs-134	-4.03E-01	7.16E-01	2.23E+00	U
WD	STJ	467546023	12/19/2018	Cs-137	2.41E-01	6.15E-01	2.08E+00	U
WD	STJ	467546023	12/19/2018	Fe-59	4.00E+00	1.80E+00	5.61E+00	U
WD	STJ	467546023	12/19/2018	I-131	5.85E-01	1.99E+00	6.84E+00	U
WD	STJ	467546023	12/19/2018	K-40	8.44E+00	1.72E+01	2.14E+01	U
WD	STJ	467546023	12/19/2018	La-140	1.06E+00	1.59E+00	5.59E+00	U
WD	STJ	467546023	12/19/2018	Mn-54	2.49E-01	8.46E-01	2.17E+00	U
WD	STJ	467546023	12/19/2018	Nb-95	9.34E-01	7.44E-01	2.53E+00	U
WD	STJ	467546023	12/19/2018	Ru-103	-1.47E+00	8.65E-01	2.42E+00	U
WD	STJ	467546023	12/19/2018	Ru-106	-7.98E+00	6.89E+00	2.06E+01	U
WD	STJ	467546023	12/19/2018	Sb-124	1.82E+00	1.69E+00	6.07E+00	U
WD	STJ	467546023	12/19/2018	Sb-125	1.68E+00	1.84E+00	6.34E+00	U
WD	STJ	467546023	12/19/2018	Se-75	-1.42E+00	1.13E+00	3.19E+00	U
WD	STJ	467546023	12/19/2018	Th-228	1.28E+00	2.42E+00	5.59E+00	U
WD	STJ	467546023	12/19/2018	Zn-65	-2.65E-01	1.68E+00	4.71E+00	U
WD	STJ	467546023	12/19/2018	Zr-95	-5.39E-01	1.26E+00	4.00E+00	U
WD	STJ	467546024	12/19/2018	I-131	4.80E-01	2.69E-01	8.02E-01	U
WD	LTW	467546025	12/19/2018	Ac-228	-3.75E-01	3.21E+00	9.38E+00	U
WD	LTW	467546025	12/19/2018	Ag-108m	-8.45E-01	6.02E-01	1.77E+00	U
WD	LTW	467546025	12/19/2018	Ag-110m	1.13E+00	9.45E-01	3.22E+00	U
WD	LTW	467546025	12/19/2018	Ba-140	1.70E+00	3.87E+00	1.32E+01	U
WD	LTW	467546025	12/19/2018	Be-7	4.29E+00	6.47E+00	2.22E+01	U
WD	LTW	467546025	12/19/2018	BETA	1.69E+00	1.16E+00	3.44E+00	U
WD	LTW	467546025	12/19/2018	Ce-141	-7.17E-01	1.33E+00	4.17E+00	U
WD	LTW	467546025	12/19/2018	Ce-144	1.36E+00	4.40E+00	1.43E+01	U
WD	LTW	467546025	12/19/2018	Co-57	-5.16E-01	5.95E-01	1.83E+00	U
WD	LTW	467546025	12/19/2018	Co-58	4.33E-01	7.68E-01	2.58E+00	U
WD	LTW	467546025	12/19/2018	Co-60	3.80E-01	5.78E-01	2.06E+00	U
WD	LTW	467546025	12/19/2018	Cr-51	3.34E+00	6.75E+00	2.35E+01	U
WD	LTW	467546025	12/19/2018	Cs-134	3.95E-01	6.71E-01	2.27E+00	U
WD	LTW	467546025	12/19/2018	Cs-137	-2.39E-01	6.13E-01	1.95E+00	U
WD	LTW	467546025	12/19/2018	Fe-59	6.18E-01	1.25E+00	3.79E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	467546025	12/19/2018	I-131	1.27E-01	1.72E+00	5.89E+00	U
WD	LTW	467546025	12/19/2018	K-40	-1.47E+01	1.07E+01	3.11E+01	U
WD	LTW	467546025	12/19/2018	La-140	4.14E-01	1.24E+00	4.27E+00	U
WD	LTW	467546025	12/19/2018	Mn-54	-5.13E-01	5.63E-01	1.63E+00	U
WD	LTW	467546025	12/19/2018	Nb-95	1.00E+00	6.77E-01	2.32E+00	U
WD	LTW	467546025	12/19/2018	Ru-103	2.15E+00	8.59E-01	1.85E+00	UI
WD	LTW	467546025	12/19/2018	Ru-106	1.45E+01	6.46E+00	2.12E+01	U
WD	LTW	467546025	12/19/2018	Sb-124	1.77E+00	1.89E+00	6.68E+00	U
WD	LTW	467546025	12/19/2018	Sb-125	1.07E+00	1.68E+00	5.80E+00	U
WD	LTW	467546025	12/19/2018	Se-75	-3.52E-01	9.67E-01	2.96E+00	U
WD	LTW	467546025	12/19/2018	Th-228	5.18E-01	2.49E+00	5.06E+00	U
WD	LTW	467546025	12/19/2018	Zn-65	2.68E-01	1.46E+00	4.72E+00	U
WD	LTW	467546025	12/19/2018	Zr-95	-1.89E-01	1.20E+00	3.88E+00	U
WD	LTW	467546026	12/19/2018	I-131	9.48E-02	2.30E-01	7.37E-01	U
WD	STJ	469408001	12/19/2018	H-3	4.80E+01	2.60E+02	4.28E+02	U
WD	LTW	469408002	12/19/2018	H-3	-5.20E+01	2.50E+02	4.30E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-1	441433001	1/8/2018	Ac-228	-1.40E+01	7.03E+00	1.48E+01	U
WG	W-1	441433001	1/8/2018	Ag-108m	7.79E-01	1.05E+00	3.36E+00	U
WG	W-1	441433001	1/8/2018	Ag-110m	3.72E+00	1.78E+00	6.39E+00	U
WG	W-1	441433001	1/8/2018	Ba-140	-1.13E+01	7.20E+00	1.87E+01	U
WG	W-1	441433001	1/8/2018	Be-7	-3.49E+00	1.36E+01	3.96E+01	U
WG	W-1	441433001	1/8/2018	Ce-141	1.91E+00	3.00E+00	8.49E+00	U
WG	W-1	441433001	1/8/2018	Ce-144	-5.59E+00	1.00E+01	3.09E+01	U
WG	W-1	441433001	1/8/2018	Co-57	1.01E+00	1.36E+00	4.46E+00	U
WG	W-1	441433001	1/8/2018	Co-58	-1.10E+00	1.27E+00	3.57E+00	U
WG	W-1	441433001	1/8/2018	Co-60	-9.23E-01	1.25E+00	3.62E+00	U
WG	W-1	441433001	1/8/2018	Cr-51	4.22E+00	1.34E+01	4.20E+01	U
WG	W-1	441433001	1/8/2018	Cs-134	1.89E+00	1.57E+00	5.44E+00	U
WG	W-1	441433001	1/8/2018	Cs-137	7.78E-01	1.58E+00	5.11E+00	U
WG	W-1	441433001	1/8/2018	Fe-59	3.41E-01	2.46E+00	7.54E+00	U
WG	W-1	441433001	1/8/2018	H-3	2.58E+02	4.25E+02	1.36E+03	U
WG	W-1	441433001	1/8/2018	I-131	-2.80E+00	2.67E+00	8.14E+00	U
WG	W-1	441433001	1/8/2018	K-40	-1.19E+01	2.30E+01	8.48E+01	U
WG	W-1	441433001	1/8/2018	La-140	-4.66E+00	3.11E+00	7.31E+00	U
WG	W-1	441433001	1/8/2018	Mn-54	2.47E-01	1.28E+00	4.19E+00	U
WG	W-1	441433001	1/8/2018	Nb-95	-2.33E+00	1.93E+00	4.19E+00	U
WG	W-1	441433001	1/8/2018	Ru-103	1.58E+00	1.55E+00	5.36E+00	U
WG	W-1	441433001	1/8/2018	Ru-106	2.21E+01	2.98E+01	2.39E+01	U
WG	W-1	441433001	1/8/2018	Sb-124	2.10E+00	3.64E+00	1.28E+01	U
WG	W-1	441433001	1/8/2018	Sb-125	-4.59E+00	3.91E+00	1.08E+01	U
WG	W-1	441433001	1/8/2018	Se-75	-6.66E-01	1.94E+00	6.53E+00	U
WG	W-1	441433001	1/8/2018	Th-228	3.23E+00	3.54E+00	1.13E+01	U
WG	W-1	441433001	1/8/2018	Zn-65	6.25E+00	4.72E+00	1.24E+01	U
WG	W-1	441433001	1/8/2018	Zr-95	4.95E-01	2.59E+00	8.54E+00	U
WG	W-8	441433002	1/8/2018	Ac-228	-6.69E+00	5.17E+00	1.49E+01	U
WG	W-8	441433002	1/8/2018	Ag-108m	-7.14E-01	8.54E-01	2.61E+00	U
WG	W-8	441433002	1/8/2018	Ag-110m	-5.53E-01	1.37E+00	4.13E+00	U
WG	W-8	441433002	1/8/2018	Ba-140	-2.24E+00	5.30E+00	1.67E+01	U
WG	W-8	441433002	1/8/2018	Be-7	5.09E-01	9.46E+00	3.14E+01	U
WG	W-8	441433002	1/8/2018	Ce-141	-2.05E+00	2.16E+00	5.80E+00	U
WG	W-8	441433002	1/8/2018	Ce-144	1.85E+00	6.65E+00	2.14E+01	U
WG	W-8	441433002	1/8/2018	Co-57	1.37E+00	9.60E-01	3.08E+00	U
WG	W-8	441433002	1/8/2018	Co-58	-2.40E-01	9.41E-01	2.91E+00	U
WG	W-8	441433002	1/8/2018	Co-60	6.34E-02	1.07E+00	3.57E+00	U
WG	W-8	441433002	1/8/2018	Cr-51	6.72E+00	1.01E+01	3.48E+01	U
WG	W-8	441433002	1/8/2018	Cs-134	-1.37E+00	1.03E+00	2.59E+00	U
WG	W-8	441433002	1/8/2018	Cs-137	1.39E+00	1.13E+00	3.87E+00	U
WG	W-8	441433002	1/8/2018	Fe-59	-3.99E-01	2.23E+00	7.37E+00	U
WG	W-8	441433002	1/8/2018	H-3	-2.06E+00	4.19E+02	1.38E+03	U
WG	W-8	441433002	1/8/2018	I-131	-1.12E+00	2.12E+00	6.86E+00	U
WG	W-8	441433002	1/8/2018	K-40	3.68E+01	1.73E+01	2.06E+01	UI
WG	W-8	441433002	1/8/2018	La-140	-8.58E-01	1.40E+00	4.00E+00	U
WG	W-8	441433002	1/8/2018	Mn-54	-1.05E+00	9.00E-01	2.33E+00	U
WG	W-8	441433002	1/8/2018	Nb-95	-8.99E-01	1.19E+00	3.48E+00	U
WG	W-8	441433002	1/8/2018	Ru-103	-1.87E-01	1.07E+00	3.47E+00	U
WG	W-8	441433002	1/8/2018	Ru-106	4.33E+00	9.38E+00	3.14E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-8	441433002	1/8/2018	Sb-124	1.13E-01	1.46E+00	4.82E+00	U
WG	W-8	441433002	1/8/2018	Sb-125	3.02E+00	2.50E+00	8.67E+00	U
WG	W-8	441433002	1/8/2018	Se-75	8.70E-01	1.35E+00	4.68E+00	U
WG	W-8	441433002	1/8/2018	Th-228	6.49E+00	3.52E+00	8.08E+00	U
WG	W-8	441433002	1/8/2018	Zn-65	-2.53E-01	1.90E+00	5.47E+00	U
WG	W-8	441433002	1/8/2018	Zr-95	-1.48E-01	1.65E+00	5.22E+00	U
WG	W-9	441433003	1/8/2018	Ac-228	1.20E+00	4.98E+00	1.76E+01	U
WG	W-9	441433003	1/8/2018	Ag-108m	2.58E-01	9.18E-01	3.08E+00	U
WG	W-9	441433003	1/8/2018	Ag-110m	1.87E+00	1.35E+00	4.82E+00	U
WG	W-9	441433003	1/8/2018	Ba-140	-5.81E-01	5.72E+00	1.85E+01	U
WG	W-9	441433003	1/8/2018	Be-7	-1.33E+00	9.50E+00	3.09E+01	U
WG	W-9	441433003	1/8/2018	Ce-141	-3.45E+00	2.30E+00	6.02E+00	U
WG	W-9	441433003	1/8/2018	Ce-144	-6.09E+00	7.21E+00	2.18E+01	U
WG	W-9	441433003	1/8/2018	Co-57	5.81E-01	9.02E-01	2.95E+00	U
WG	W-9	441433003	1/8/2018	Co-58	-1.75E+00	1.31E+00	3.14E+00	U
WG	W-9	441433003	1/8/2018	Co-60	1.33E+00	1.13E+00	4.01E+00	U
WG	W-9	441433003	1/8/2018	Cr-51	1.33E+01	1.00E+01	3.43E+01	U
WG	W-9	441433003	1/8/2018	Cs-134	-1.86E+00	1.14E+00	2.84E+00	U
WG	W-9	441433003	1/8/2018	Cs-137	1.02E+00	1.12E+00	3.77E+00	U
WG	W-9	441433003	1/8/2018	Fe-59	4.44E+00	2.30E+00	8.11E+00	U
WG	W-9	441433003	1/8/2018	H-3	-8.26E+01	4.12E+02	1.37E+03	U
WG	W-9	441433003	1/8/2018	I-131	2.64E+00	2.02E+00	6.91E+00	U
WG	W-9	441433003	1/8/2018	K-40	4.33E+01	1.84E+01	3.07E+01	UI
WG	W-9	441433003	1/8/2018	La-140	-2.64E+00	2.00E+00	5.10E+00	U
WG	W-9	441433003	1/8/2018	Mn-54	2.18E-01	1.01E+00	3.48E+00	U
WG	W-9	441433003	1/8/2018	Nb-95	2.13E+00	1.20E+00	3.80E+00	U
WG	W-9	441433003	1/8/2018	Ru-103	-2.72E-01	1.15E+00	3.70E+00	U
WG	W-9	441433003	1/8/2018	Ru-106	1.43E+01	1.02E+01	3.44E+01	U
WG	W-9	441433003	1/8/2018	Sb-124	-1.54E+00	2.23E+00	6.69E+00	U
WG	W-9	441433003	1/8/2018	Sb-125	1.40E+00	2.78E+00	9.41E+00	U
WG	W-9	441433003	1/8/2018	Se-75	-6.37E-01	1.35E+00	4.49E+00	U
WG	W-9	441433003	1/8/2018	Th-228	3.62E+00	5.04E+00	6.95E+00	U
WG	W-9	441433003	1/8/2018	Zn-65	4.46E+00	1.72E+00	6.40E+00	U
WG	W-9	441433003	1/8/2018	Zr-95	2.78E+00	1.80E+00	6.19E+00	U
WG	W-2	441552001	1/9/2018	Ac-228	4.70E+00	1.26E+01	2.47E+01	U
WG	W-2	441552001	1/9/2018	Ag-108m	-3.15E-01	1.27E+00	4.07E+00	U
WG	W-2	441552001	1/9/2018	Ag-110m	3.86E+00	2.62E+00	8.04E+00	U
WG	W-2	441552001	1/9/2018	Ba-140	-4.36E+00	8.83E+00	2.74E+01	U
WG	W-2	441552001	1/9/2018	Be-7	1.09E+01	1.25E+01	4.24E+01	U
WG	W-2	441552001	1/9/2018	Ce-141	1.16E+00	2.65E+00	7.83E+00	U
WG	W-2	441552001	1/9/2018	Ce-144	3.52E+00	8.21E+00	2.75E+01	U
WG	W-2	441552001	1/9/2018	Co-57	-5.07E-01	1.16E+00	3.76E+00	U
WG	W-2	441552001	1/9/2018	Co-58	2.89E-01	1.78E+00	5.81E+00	U
WG	W-2	441552001	1/9/2018	Co-60	-1.71E+00	1.54E+00	4.20E+00	U
WG	W-2	441552001	1/9/2018	Cr-51	-1.14E+00	1.38E+01	4.49E+01	U
WG	W-2	441552001	1/9/2018	Cs-134	-3.06E+00	1.81E+00	4.24E+00	U
WG	W-2	441552001	1/9/2018	Cs-137	1.45E-01	1.63E+00	5.31E+00	U
WG	W-2	441552001	1/9/2018	Fe-59	1.30E+00	3.41E+00	1.19E+01	U
WG	W-2	441552001	1/9/2018	H-3	5.75E+01	4.13E+02	1.35E+03	U
WG	W-2	441552001	1/9/2018	I-131	6.42E+00	3.18E+00	1.03E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-2	441552001	1/9/2018	K-40	4.64E+01	3.82E+01	4.47E+01	UI
WG	W-2	441552001	1/9/2018	La-140	-6.47E+00	4.16E+00	9.31E+00	U
WG	W-2	441552001	1/9/2018	Mn-54	-6.47E-02	1.88E+00	6.04E+00	U
WG	W-2	441552001	1/9/2018	Nb-95	1.56E+00	1.63E+00	5.58E+00	U
WG	W-2	441552001	1/9/2018	Ru-103	-3.45E+00	1.89E+00	4.72E+00	U
WG	W-2	441552001	1/9/2018	Ru-106	-6.95E+00	1.36E+01	4.17E+01	U
WG	W-2	441552001	1/9/2018	Sb-124	2.98E+00	4.21E+00	1.51E+01	U
WG	W-2	441552001	1/9/2018	Sb-125	4.62E+00	3.91E+00	1.33E+01	U
WG	W-2	441552001	1/9/2018	Se-75	-2.13E+00	2.21E+00	5.75E+00	U
WG	W-2	441552001	1/9/2018	Th-228	7.77E+00	5.25E+00	1.13E+01	U
WG	W-2	441552001	1/9/2018	Zn-65	8.22E+00	1.75E+00	6.97E+00	UI
WG	W-2	441552001	1/9/2018	Zr-95	-2.84E+00	3.34E+00	9.73E+00	U
WG	SG-4	441552002	1/9/2018	Ac-228	6.28E-01	5.71E+00	1.74E+01	U
WG	SG-4	441552002	1/9/2018	Ag-108m	7.25E-01	8.66E-01	3.03E+00	U
WG	SG-4	441552002	1/9/2018	Ag-110m	6.60E+00	3.43E+00	4.88E+00	UI
WG	SG-4	441552002	1/9/2018	Ba-140	-8.94E-01	3.93E+00	1.29E+01	U
WG	SG-4	441552002	1/9/2018	Be-7	-3.66E+00	8.38E+00	2.73E+01	U
WG	SG-4	441552002	1/9/2018	Ce-141	-8.01E-01	2.02E+00	6.32E+00	U
WG	SG-4	441552002	1/9/2018	Ce-144	-2.54E+00	7.72E+00	2.36E+01	U
WG	SG-4	441552002	1/9/2018	Co-57	2.87E-02	9.70E-01	3.13E+00	U
WG	SG-4	441552002	1/9/2018	Co-58	4.89E-01	1.33E+00	3.28E+00	U
WG	SG-4	441552002	1/9/2018	Co-60	3.48E-01	1.12E+00	3.92E+00	U
WG	SG-4	441552002	1/9/2018	Cr-51	-5.48E+00	1.04E+01	3.47E+01	U
WG	SG-4	441552002	1/9/2018	Cs-134	1.77E+00	1.19E+00	3.90E+00	U
WG	SG-4	441552002	1/9/2018	Cs-137	-5.60E-01	9.90E-01	3.09E+00	U
WG	SG-4	441552002	1/9/2018	Fe-59	-6.96E-01	1.78E+00	5.37E+00	U
WG	SG-4	441552002	1/9/2018	H-3	1.27E+02	4.31E+02	1.40E+03	U
WG	SG-4	441552002	1/9/2018	I-131	2.86E+00	1.78E+00	6.17E+00	U
WG	SG-4	441552002	1/9/2018	K-40	-2.21E+01	1.61E+01	5.21E+01	U
WG	SG-4	441552002	1/9/2018	La-140	-1.35E+00	1.70E+00	5.02E+00	U
WG	SG-4	441552002	1/9/2018	Mn-54	-9.98E-01	9.23E-01	2.56E+00	U
WG	SG-4	441552002	1/9/2018	Nb-95	-2.34E+00	1.23E+00	2.92E+00	U
WG	SG-4	441552002	1/9/2018	Ru-103	-7.22E-01	1.19E+00	3.81E+00	U
WG	SG-4	441552002	1/9/2018	Ru-106	9.03E+00	8.78E+00	3.06E+01	U
WG	SG-4	441552002	1/9/2018	Sb-124	-3.58E+00	2.53E+00	6.22E+00	U
WG	SG-4	441552002	1/9/2018	Sb-125	1.88E+00	2.83E+00	9.82E+00	U
WG	SG-4	441552002	1/9/2018	Se-75	-2.13E+00	1.73E+00	4.79E+00	U
WG	SG-4	441552002	1/9/2018	Th-228	4.70E+00	4.43E+00	6.56E+00	U
WG	SG-4	441552002	1/9/2018	Zn-65	2.23E+00	2.01E+00	7.06E+00	U
WG	SG-4	441552002	1/9/2018	Zr-95	2.97E+00	2.02E+00	7.00E+00	U
WG	W-3	441599001	1/10/2018	Ac-228	-6.26E+00	6.54E+00	1.98E+01	U
WG	W-3	441599001	1/10/2018	Ag-108m	6.82E-01	9.89E-01	3.42E+00	U
WG	W-3	441599001	1/10/2018	Ag-110m	-3.95E-01	1.55E+00	4.81E+00	U
WG	W-3	441599001	1/10/2018	Ba-140	1.53E+01	7.44E+00	2.53E+01	U
WG	W-3	441599001	1/10/2018	Be-7	5.87E+00	9.42E+00	3.25E+01	U
WG	W-3	441599001	1/10/2018	Ce-141	6.18E+00	4.11E+00	7.59E+00	U
WG	W-3	441599001	1/10/2018	Ce-144	3.08E+00	8.67E+00	3.01E+01	U
WG	W-3	441599001	1/10/2018	Co-57	-2.32E+00	1.40E+00	3.77E+00	U
WG	W-3	441599001	1/10/2018	Co-58	1.05E+00	1.24E+00	4.00E+00	U
WG	W-3	441599001	1/10/2018	Co-60	3.00E+00	1.44E+00	5.44E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-3	441599001	1/10/2018	Cr-51	4.83E+00	1.18E+01	3.66E+01	U
WG	W-3	441599001	1/10/2018	Cs-134	-1.47E+00	1.38E+00	3.72E+00	U
WG	W-3	441599001	1/10/2018	Cs-137	-2.34E+00	1.39E+00	3.30E+00	U
WG	W-3	441599001	1/10/2018	Fe-59	-1.34E+00	2.89E+00	8.02E+00	U
WG	W-3	441599001	1/10/2018	H-3	2.46E+02	4.36E+02	1.40E+03	U
WG	W-3	441599001	1/10/2018	I-131	-1.93E+00	2.59E+00	8.14E+00	U
WG	W-3	441599001	1/10/2018	K-40	-4.37E+00	1.89E+01	6.72E+01	U
WG	W-3	441599001	1/10/2018	La-140	2.70E+00	2.75E+00	9.93E+00	U
WG	W-3	441599001	1/10/2018	Mn-54	4.41E-01	1.21E+00	4.05E+00	U
WG	W-3	441599001	1/10/2018	Nb-95	2.00E+00	2.09E+00	3.68E+00	U
WG	W-3	441599001	1/10/2018	Ru-103	-6.33E-01	1.42E+00	4.50E+00	U
WG	W-3	441599001	1/10/2018	Ru-106	1.15E+00	1.23E+01	3.62E+01	U
WG	W-3	441599001	1/10/2018	Sb-124	4.07E+00	2.61E+00	1.04E+01	U
WG	W-3	441599001	1/10/2018	Sb-125	2.41E+00	3.19E+00	1.10E+01	U
WG	W-3	441599001	1/10/2018	Se-75	-1.51E+00	1.83E+00	5.81E+00	U
WG	W-3	441599001	1/10/2018	Th-228	-1.41E-01	2.98E+00	9.90E+00	U
WG	W-3	441599001	1/10/2018	Zn-65	-1.40E+00	2.55E+00	7.35E+00	U
WG	W-3	441599001	1/10/2018	Zr-95	5.86E-01	2.02E+00	6.75E+00	U
WG	SG-2	441599008	1/10/2018	Ac-228	-1.07E+01	6.73E+00	1.96E+01	U
WG	SG-2	441599008	1/10/2018	Ag-108m	-6.69E-01	1.19E+00	3.68E+00	U
WG	SG-2	441599008	1/10/2018	Ag-110m	-5.68E-02	1.55E+00	5.22E+00	U
WG	SG-2	441599008	1/10/2018	ALPHA	7.72E-01	8.55E-01	2.69E+00	U
WG	SG-2	441599008	1/10/2018	Ba-140	1.23E+01	6.22E+00	2.13E+01	U
WG	SG-2	441599008	1/10/2018	Be-7	-6.24E+00	1.04E+01	3.18E+01	U
WG	SG-2	441599008	1/10/2018	BETA	6.36E+00	9.68E-01	2.39E+00	
WG	SG-2	441599008	1/10/2018	Ce-141	5.44E+00	2.58E+00	7.70E+00	U
WG	SG-2	441599008	1/10/2018	Ce-144	-7.02E+00	8.76E+00	2.81E+01	U
WG	SG-2	441599008	1/10/2018	Co-57	-1.17E+00	1.17E+00	3.67E+00	U
WG	SG-2	441599008	1/10/2018	Co-58	-1.09E+00	9.74E-01	2.75E+00	U
WG	SG-2	441599008	1/10/2018	Co-60	6.20E-02	1.30E+00	4.34E+00	U
WG	SG-2	441599008	1/10/2018	Cr-51	2.03E+01	1.22E+01	4.08E+01	U
WG	SG-2	441599008	1/10/2018	Cs-134	6.10E-01	1.39E+00	4.88E+00	U
WG	SG-2	441599008	1/10/2018	Cs-137	-7.05E-01	1.45E+00	4.39E+00	U
WG	SG-2	441599008	1/10/2018	Fe-59	-1.57E+00	2.47E+00	7.63E+00	U
WG	SG-2	441599008	1/10/2018	H-3	1.53E+01	4.07E+02	1.34E+03	U
WG	SG-2	441599008	1/10/2018	I-131	1.93E+00	2.13E+00	7.24E+00	U
WG	SG-2	441599008	1/10/2018	K-40	-6.72E+00	1.65E+01	5.41E+01	U
WG	SG-2	441599008	1/10/2018	La-140	9.17E-01	2.59E+00	8.78E+00	U
WG	SG-2	441599008	1/10/2018	Mn-54	-4.86E-01	1.24E+00	3.51E+00	U
WG	SG-2	441599008	1/10/2018	Nb-95	1.76E+00	1.53E+00	5.14E+00	U
WG	SG-2	441599008	1/10/2018	Ru-103	6.36E-01	1.41E+00	4.69E+00	U
WG	SG-2	441599008	1/10/2018	Ru-106	7.13E+00	1.16E+01	3.87E+01	U
WG	SG-2	441599008	1/10/2018	Sb-124	2.03E+00	2.82E+00	1.01E+01	U
WG	SG-2	441599008	1/10/2018	Sb-125	-9.80E-01	3.45E+00	9.69E+00	U
WG	SG-2	441599008	1/10/2018	Se-75	-4.78E-01	1.50E+00	4.85E+00	U
WG	SG-2	441599008	1/10/2018	Th-228	-1.56E-01	2.93E+00	9.05E+00	U
WG	SG-2	441599008	1/10/2018	Zn-65	-2.69E+00	2.64E+00	6.15E+00	U
WG	SG-2	441599008	1/10/2018	Zr-95	1.06E+00	2.13E+00	7.07E+00	U
WG	SG-5	441599009	1/10/2018	Ac-228	-5.85E+00	5.63E+00	1.55E+01	U
WG	SG-5	441599009	1/10/2018	Ag-108m	9.46E-02	9.27E-01	3.13E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-5	441599009	1/10/2018	Ag-110m	-7.30E-01	1.57E+00	4.69E+00	U
WG	SG-5	441599009	1/10/2018	ALPHA	-4.50E-01	1.03E+00	3.49E+00	U
WG	SG-5	441599009	1/10/2018	Ba-140	8.02E+00	5.72E+00	2.00E+01	U
WG	SG-5	441599009	1/10/2018	Be-7	3.07E+01	8.73E+00	2.52E+01	UI
WG	SG-5	441599009	1/10/2018	BETA	1.42E+01	1.52E+00	1.56E+00	
WG	SG-5	441599009	1/10/2018	Ce-141	1.83E+00	1.87E+00	6.15E+00	U
WG	SG-5	441599009	1/10/2018	Ce-144	-7.76E+00	8.46E+00	2.55E+01	U
WG	SG-5	441599009	1/10/2018	Co-57	3.09E-01	8.99E-01	2.96E+00	U
WG	SG-5	441599009	1/10/2018	Co-58	-1.01E+00	1.12E+00	3.13E+00	U
WG	SG-5	441599009	1/10/2018	Co-60	1.31E+00	1.21E+00	4.41E+00	U
WG	SG-5	441599009	1/10/2018	Cr-51	-7.87E+00	9.48E+00	3.00E+01	U
WG	SG-5	441599009	1/10/2018	Cs-134	2.01E+00	1.49E+00	5.11E+00	U
WG	SG-5	441599009	1/10/2018	Cs-137	-1.80E+00	1.40E+00	3.84E+00	U
WG	SG-5	441599009	1/10/2018	Fe-59	-3.82E+00	2.39E+00	5.87E+00	U
WG	SG-5	441599009	1/10/2018	H-3	-2.34E+02	4.11E+02	1.39E+03	U
WG	SG-5	441599009	1/10/2018	I-131	1.56E+00	1.98E+00	6.34E+00	U
WG	SG-5	441599009	1/10/2018	K-40	3.44E+01	2.13E+01	3.60E+01	U
WG	SG-5	441599009	1/10/2018	La-140	-1.67E+00	1.74E+00	4.54E+00	U
WG	SG-5	441599009	1/10/2018	Mn-54	-4.83E-01	1.08E+00	3.17E+00	U
WG	SG-5	441599009	1/10/2018	Nb-95	3.03E+00	8.20E-01	3.16E+00	U
WG	SG-5	441599009	1/10/2018	Ru-103	-3.59E+00	1.63E+00	3.26E+00	U
WG	SG-5	441599009	1/10/2018	Ru-106	-3.34E+00	1.01E+01	3.19E+01	U
WG	SG-5	441599009	1/10/2018	Sb-124	8.99E-01	2.32E+00	8.06E+00	U
WG	SG-5	441599009	1/10/2018	Sb-125	-2.06E+00	2.78E+00	8.63E+00	U
WG	SG-5	441599009	1/10/2018	Se-75	-8.05E-01	1.56E+00	4.63E+00	U
WG	SG-5	441599009	1/10/2018	Th-228	-3.65E-01	2.41E+00	7.88E+00	U
WG	SG-5	441599009	1/10/2018	Zn-65	-1.21E+00	2.62E+00	8.35E+00	U
WG	SG-5	441599009	1/10/2018	Zr-95	1.02E+00	2.08E+00	6.99E+00	U
WG	W-10	441599003	1/11/2018	Ac-228	3.72E+00	6.75E+00	1.91E+01	U
WG	W-10	441599003	1/11/2018	Ag-108m	3.38E-01	1.38E+00	4.24E+00	U
WG	W-10	441599003	1/11/2018	Ag-110m	2.30E+00	1.78E+00	6.27E+00	U
WG	W-10	441599003	1/11/2018	Ba-140	3.74E+00	7.55E+00	2.57E+01	U
WG	W-10	441599003	1/11/2018	Be-7	2.09E+00	1.15E+01	3.89E+01	U
WG	W-10	441599003	1/11/2018	Ce-141	-2.86E-01	3.19E+00	9.46E+00	U
WG	W-10	441599003	1/11/2018	Ce-144	3.93E+00	1.07E+01	3.47E+01	U
WG	W-10	441599003	1/11/2018	Co-57	-4.07E-01	1.39E+00	4.39E+00	U
WG	W-10	441599003	1/11/2018	Co-58	8.33E-01	1.32E+00	4.50E+00	U
WG	W-10	441599003	1/11/2018	Co-60	-2.31E-01	1.33E+00	4.34E+00	U
WG	W-10	441599003	1/11/2018	Cr-51	1.33E+00	1.53E+01	4.70E+01	U
WG	W-10	441599003	1/11/2018	Cs-134	4.07E+00	1.97E+00	6.30E+00	U
WG	W-10	441599003	1/11/2018	Cs-137	-5.55E-01	1.21E+00	3.72E+00	U
WG	W-10	441599003	1/11/2018	Fe-59	-2.13E-01	2.35E+00	6.90E+00	U
WG	W-10	441599003	1/11/2018	H-3	-5.51E+02	3.86E+02	1.36E+03	U
WG	W-10	441599003	1/11/2018	I-131	1.49E+00	2.49E+00	8.63E+00	U
WG	W-10	441599003	1/11/2018	K-40	-7.14E+01	2.57E+01	5.64E+01	U
WG	W-10	441599003	1/11/2018	La-140	-3.37E+00	2.84E+00	7.33E+00	U
WG	W-10	441599003	1/11/2018	Mn-54	1.24E+00	1.29E+00	4.46E+00	U
WG	W-10	441599003	1/11/2018	Nb-95	-2.40E+00	1.63E+00	3.68E+00	U
WG	W-10	441599003	1/11/2018	Ru-103	3.76E-01	1.46E+00	4.92E+00	U
WG	W-10	441599003	1/11/2018	Ru-106	-6.41E+00	1.22E+01	3.77E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-10	441599003	1/11/2018	Sb-124	9.42E-01	3.41E+00	1.16E+01	U
WG	W-10	441599003	1/11/2018	Sb-125	-6.21E-01	3.57E+00	1.18E+01	U
WG	W-10	441599003	1/11/2018	Se-75	4.89E+00	2.81E+00	6.31E+00	U
WG	W-10	441599003	1/11/2018	Th-228	-1.86E+00	3.72E+00	1.13E+01	U
WG	W-10	441599003	1/11/2018	Zn-65	-2.97E-01	3.35E+00	1.04E+01	U
WG	W-10	441599003	1/11/2018	Zr-95	3.93E+00	1.88E+00	7.00E+00	U
WG	W-11	441599004	1/11/2018	Ac-228	4.84E-01	5.71E+00	1.93E+01	U
WG	W-11	441599004	1/11/2018	Ag-108m	1.78E+00	1.69E+00	3.54E+00	U
WG	W-11	441599004	1/11/2018	Ag-110m	1.08E+00	1.42E+00	5.02E+00	U
WG	W-11	441599004	1/11/2018	Ba-140	3.24E+00	5.67E+00	1.95E+01	U
WG	W-11	441599004	1/11/2018	Be-7	-3.78E+00	1.10E+01	3.56E+01	U
WG	W-11	441599004	1/11/2018	Ce-141	1.35E-01	2.17E+00	6.57E+00	U
WG	W-11	441599004	1/11/2018	Ce-144	-1.00E+01	7.38E+00	2.11E+01	U
WG	W-11	441599004	1/11/2018	Co-57	-6.07E-01	1.03E+00	3.27E+00	U
WG	W-11	441599004	1/11/2018	Co-58	-2.40E+00	1.33E+00	2.77E+00	U
WG	W-11	441599004	1/11/2018	Co-60	-3.57E-01	1.33E+00	4.18E+00	U
WG	W-11	441599004	1/11/2018	Cr-51	-1.51E+01	1.13E+01	3.35E+01	U
WG	W-11	441599004	1/11/2018	Cs-134	-2.15E+00	1.61E+00	4.12E+00	U
WG	W-11	441599004	1/11/2018	Cs-137	2.62E-01	1.55E+00	4.57E+00	U
WG	W-11	441599004	1/11/2018	Fe-59	8.65E+00	3.49E+00	1.20E+01	U
WG	W-11	441599004	1/11/2018	H-3	-2.06E+00	4.19E+02	1.38E+03	U
WG	W-11	441599004	1/11/2018	I-131	-2.25E+00	2.14E+00	6.55E+00	U
WG	W-11	441599004	1/11/2018	K-40	1.46E+01	1.74E+01	6.65E+01	U
WG	W-11	441599004	1/11/2018	La-140	1.17E+00	1.63E+00	5.93E+00	U
WG	W-11	441599004	1/11/2018	Mn-54	-2.74E-02	1.29E+00	4.08E+00	U
WG	W-11	441599004	1/11/2018	Nb-95	-8.84E-01	1.44E+00	4.09E+00	U
WG	W-11	441599004	1/11/2018	Ru-103	-2.09E+00	1.58E+00	4.13E+00	U
WG	W-11	441599004	1/11/2018	Ru-106	8.11E+00	1.20E+01	4.08E+01	U
WG	W-11	441599004	1/11/2018	Sb-124	-1.63E+00	3.10E+00	8.91E+00	U
WG	W-11	441599004	1/11/2018	Sb-125	-2.79E+00	3.52E+00	1.10E+01	U
WG	W-11	441599004	1/11/2018	Se-75	1.98E-01	1.45E+00	4.60E+00	U
WG	W-11	441599004	1/11/2018	Th-228	-7.53E-01	2.72E+00	8.53E+00	U
WG	W-11	441599004	1/11/2018	Zn-65	8.72E-01	2.86E+00	8.79E+00	U
WG	W-11	441599004	1/11/2018	Zr-95	1.73E+00	2.37E+00	8.05E+00	U
WG	W-7	441599002	1/12/2018	Ac-228	-3.53E+00	4.84E+00	1.41E+01	U
WG	W-7	441599002	1/12/2018	Ag-108m	-1.73E+00	9.30E-01	2.41E+00	U
WG	W-7	441599002	1/12/2018	Ag-110m	-5.74E-01	1.01E+00	2.94E+00	U
WG	W-7	441599002	1/12/2018	Ba-140	4.17E+00	5.15E+00	1.79E+01	U
WG	W-7	441599002	1/12/2018	Be-7	2.09E+00	7.15E+00	2.23E+01	U
WG	W-7	441599002	1/12/2018	Ce-141	1.21E+00	1.89E+00	5.79E+00	U
WG	W-7	441599002	1/12/2018	Ce-144	1.24E+01	9.14E+00	2.21E+01	U
WG	W-7	441599002	1/12/2018	Co-57	8.29E-02	8.99E-01	2.94E+00	U
WG	W-7	441599002	1/12/2018	Co-58	8.35E-01	8.29E-01	2.95E+00	U
WG	W-7	441599002	1/12/2018	Co-60	-1.61E+00	1.13E+00	2.59E+00	U
WG	W-7	441599002	1/12/2018	Cr-51	3.68E+00	8.84E+00	3.10E+01	U
WG	W-7	441599002	1/12/2018	Cs-134	2.74E-01	1.13E+00	3.76E+00	U
WG	W-7	441599002	1/12/2018	Cs-137	-3.06E+00	1.23E+00	2.23E+00	U
WG	W-7	441599002	1/12/2018	Fe-59	-2.36E+00	2.16E+00	5.12E+00	U
WG	W-7	441599002	1/12/2018	H-3	8.59E+01	4.29E+02	1.40E+03	U
WG	W-7	441599002	1/12/2018	I-131	3.05E-01	1.75E+00	6.05E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	441599002	1/12/2018	K-40	-7.53E+00	1.27E+01	4.17E+01	U
WG	W-7	441599002	1/12/2018	La-140	7.00E-01	1.26E+00	4.56E+00	U
WG	W-7	441599002	1/12/2018	Mn-54	6.06E-01	1.10E+00	3.71E+00	U
WG	W-7	441599002	1/12/2018	Nb-95	-2.30E-01	1.10E+00	3.51E+00	U
WG	W-7	441599002	1/12/2018	Ru-103	-1.13E-01	1.11E+00	3.72E+00	U
WG	W-7	441599002	1/12/2018	Ru-106	-8.30E+00	8.35E+00	2.43E+01	U
WG	W-7	441599002	1/12/2018	Sb-124	-1.18E-02	1.72E+00	5.69E+00	U
WG	W-7	441599002	1/12/2018	Sb-125	-3.04E+00	2.87E+00	8.75E+00	U
WG	W-7	441599002	1/12/2018	Se-75	-2.01E+00	1.28E+00	3.22E+00	U
WG	W-7	441599002	1/12/2018	Th-228	4.34E+00	2.88E+00	7.47E+00	U
WG	W-7	441599002	1/12/2018	Zn-65	4.20E-01	2.09E+00	6.11E+00	U
WG	W-7	441599002	1/12/2018	Zr-95	-1.08E+00	1.37E+00	3.90E+00	U
WG	W-13	441599005	1/12/2018	Ac-228	-2.56E+00	5.35E+00	1.77E+01	U
WG	W-13	441599005	1/12/2018	Ag-108m	-6.40E-01	9.75E-01	2.63E+00	U
WG	W-13	441599005	1/12/2018	Ag-110m	-8.46E-02	1.18E+00	3.94E+00	U
WG	W-13	441599005	1/12/2018	Ba-140	2.97E+00	5.42E+00	1.84E+01	U
WG	W-13	441599005	1/12/2018	Be-7	2.45E+01	1.56E+01	3.20E+01	U
WG	W-13	441599005	1/12/2018	Ce-141	3.97E+00	2.87E+00	6.80E+00	U
WG	W-13	441599005	1/12/2018	Ce-144	-1.66E+01	8.41E+00	2.10E+01	U
WG	W-13	441599005	1/12/2018	Co-57	1.25E-01	1.02E+00	3.29E+00	U
WG	W-13	441599005	1/12/2018	Co-58	-1.52E+00	9.09E-01	2.12E+00	U
WG	W-13	441599005	1/12/2018	Co-60	4.50E-02	9.27E-01	3.05E+00	U
WG	W-13	441599005	1/12/2018	Cr-51	2.93E+00	1.01E+01	3.14E+01	U
WG	W-13	441599005	1/12/2018	Cs-134	-2.55E-01	1.41E+00	4.15E+00	U
WG	W-13	441599005	1/12/2018	Cs-137	1.37E+00	1.41E+00	4.76E+00	U
WG	W-13	441599005	1/12/2018	Fe-59	4.07E+00	2.42E+00	8.83E+00	U
WG	W-13	441599005	1/12/2018	H-3	-2.37E+02	4.08E+02	1.38E+03	U
WG	W-13	441599005	1/12/2018	I-131	8.14E-01	1.90E+00	6.50E+00	U
WG	W-13	441599005	1/12/2018	K-40	-9.84E+00	1.84E+01	6.29E+01	U
WG	W-13	441599005	1/12/2018	La-140	1.79E+00	2.17E+00	7.62E+00	U
WG	W-13	441599005	1/12/2018	Mn-54	-2.30E-01	1.13E+00	3.74E+00	U
WG	W-13	441599005	1/12/2018	Nb-95	-1.92E+00	1.58E+00	3.38E+00	U
WG	W-13	441599005	1/12/2018	Ru-103	1.43E+00	1.12E+00	3.90E+00	U
WG	W-13	441599005	1/12/2018	Ru-106	2.11E+00	9.04E+00	2.98E+01	U
WG	W-13	441599005	1/12/2018	Sb-124	-2.12E+00	3.48E+00	1.00E+01	U
WG	W-13	441599005	1/12/2018	Sb-125	6.32E+00	3.71E+00	1.25E+01	U
WG	W-13	441599005	1/12/2018	Se-75	-1.52E-01	1.44E+00	4.86E+00	U
WG	W-13	441599005	1/12/2018	Th-228	6.04E+00	3.66E+00	9.27E+00	U
WG	W-13	441599005	1/12/2018	Zn-65	2.67E+00	1.37E+00	5.67E+00	U
WG	W-13	441599005	1/12/2018	Zr-95	-2.48E+00	2.03E+00	5.15E+00	U
WG	W-14	441599006	1/12/2018	Ac-228	5.78E+00	7.69E+00	2.33E+01	U
WG	W-14	441599006	1/12/2018	Ag-108m	-8.94E-01	1.23E+00	3.73E+00	U
WG	W-14	441599006	1/12/2018	Ag-110m	2.33E+00	7.61E-01	5.45E+00	U
WG	W-14	441599006	1/12/2018	Ba-140	6.29E+00	6.63E+00	2.25E+01	U
WG	W-14	441599006	1/12/2018	Be-7	1.90E+01	1.25E+01	4.23E+01	U
WG	W-14	441599006	1/12/2018	Ce-141	-8.85E+00	3.66E+00	8.10E+00	U
WG	W-14	441599006	1/12/2018	Ce-144	4.58E+00	9.13E+00	2.93E+01	U
WG	W-14	441599006	1/12/2018	Co-57	8.24E-01	1.22E+00	3.95E+00	U
WG	W-14	441599006	1/12/2018	Co-58	-5.99E-02	1.32E+00	4.39E+00	U
WG	W-14	441599006	1/12/2018	Co-60	1.54E+00	1.45E+00	5.16E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	W-14	441599006	1/12/2018	Cr-51	-1.48E+01	1.37E+01	4.16E+01	U	
WG	W-14	441599006	1/12/2018	Cs-134	-9.25E-01	1.60E+00	4.31E+00	U	
WG	W-14	441599006	1/12/2018	Cs-137	3.17E+00	1.66E+00	3.72E+00	U	
WG	W-14	441599006	1/12/2018	Fe-59	6.74E-01	2.50E+00	7.86E+00	U	
WG	W-14	441599006	1/12/2018	H-3	-3.09E+02	4.09E+02	1.40E+03	U	
WG	W-14	441599006	1/12/2018	I-131	3.96E+00	2.75E+00	8.62E+00	U	
WG	W-14	441599006	1/12/2018	K-40	1.69E+01	2.57E+01	5.19E+01	U	
WG	W-14	441599006	1/12/2018	La-140	-1.37E+00	1.84E+00	5.27E+00	U	
WG	W-14	441599006	1/12/2018	Mn-54	6.96E-01	1.36E+00	4.70E+00	U	
WG	W-14	441599006	1/12/2018	Nb-95	1.33E+00	1.25E+00	4.47E+00	U	
WG	W-14	441599006	1/12/2018	Ru-103	2.02E-01	1.48E+00	4.82E+00	U	
WG	W-14	441599006	1/12/2018	Ru-106	-6.78E+00	1.02E+01	2.94E+01	U	
WG	W-14	441599006	1/12/2018	Sb-124	-1.29E+00	3.47E+00	1.10E+01	U	
WG	W-14	441599006	1/12/2018	Sb-125	3.21E-02	3.31E+00	1.08E+01	U	
WG	W-14	441599006	1/12/2018	Se-75	-1.90E+00	1.78E+00	5.47E+00	U	
WG	W-14	441599006	1/12/2018	Th-228	6.02E+00	3.84E+00	1.03E+01	U	
WG	W-14	441599006	1/12/2018	Zn-65	4.89E+00	5.08E+00	1.13E+01	U	
WG	W-14	441599006	1/12/2018	Zr-95	2.87E+00	2.27E+00	8.16E+00	U	
WG	SG-1	441599007	1/12/2018	Ac-228	-1.09E+01	5.25E+00	1.25E+01	U	
WG	SG-1	441599007	1/12/2018	Ag-108m	-5.18E-01	9.22E-01	2.94E+00	U	
WG	SG-1	441599007	1/12/2018	Ag-110m	-5.40E-01	1.59E+00	4.86E+00	U	
WG	SG-1	441599007	1/12/2018	ALPHA	1.73E+00	2.28E+00	7.28E+00	U	DL
WG	SG-1	441599007	1/12/2018	Ba-140	2.10E+00	4.92E+00	1.61E+01	U	
WG	SG-1	441599007	1/12/2018	Be-7	1.57E+00	8.82E+00	2.98E+01	U	
WG	SG-1	441599007	1/12/2018	BETA	7.56E+00	1.44E+00	3.68E+00		
WG	SG-1	441599007	1/12/2018	Ce-141	3.81E+00	2.47E+00	5.35E+00	U	
WG	SG-1	441599007	1/12/2018	Ce-144	1.33E+00	7.22E+00	2.36E+01	U	
WG	SG-1	441599007	1/12/2018	Co-57	-7.82E-01	1.03E+00	3.18E+00	U	
WG	SG-1	441599007	1/12/2018	Co-58	6.85E-01	1.03E+00	3.50E+00	U	
WG	SG-1	441599007	1/12/2018	Co-60	-2.87E-01	1.01E+00	3.20E+00	U	
WG	SG-1	441599007	1/12/2018	Cr-51	2.84E+00	9.85E+00	3.41E+01	U	
WG	SG-1	441599007	1/12/2018	Cs-134	2.01E+00	1.32E+00	4.55E+00	U	
WG	SG-1	441599007	1/12/2018	Cs-137	3.95E+00	3.19E+00	4.18E+00	U	
WG	SG-1	441599007	1/12/2018	Fe-59	2.25E-02	1.77E+00	5.97E+00	U	
WG	SG-1	441599007	1/12/2018	H-3	1.96E+02	4.30E+02	1.38E+03	U	
WG	SG-1	441599007	1/12/2018	I-131	2.74E-01	1.46E+00	5.01E+00	U	
WG	SG-1	441599007	1/12/2018	K-40	1.36E+01	1.26E+01	4.46E+01	U	
WG	SG-1	441599007	1/12/2018	La-140	-1.24E+00	1.73E+00	4.98E+00	U	
WG	SG-1	441599007	1/12/2018	Mn-54	3.53E-01	9.19E-01	3.06E+00	U	
WG	SG-1	441599007	1/12/2018	Nb-95	-1.27E+00	1.24E+00	3.48E+00	U	
WG	SG-1	441599007	1/12/2018	Ru-103	-4.16E-01	1.17E+00	3.78E+00	U	
WG	SG-1	441599007	1/12/2018	Ru-106	9.95E+00	9.63E+00	3.33E+01	U	
WG	SG-1	441599007	1/12/2018	Sb-124	5.70E-01	2.32E+00	7.83E+00	U	
WG	SG-1	441599007	1/12/2018	Sb-125	3.25E+00	3.09E+00	1.07E+01	U	
WG	SG-1	441599007	1/12/2018	Se-75	5.20E-01	1.39E+00	4.42E+00	U	
WG	SG-1	441599007	1/12/2018	Th-228	4.45E+00	3.01E+00	8.32E+00	U	
WG	SG-1	441599007	1/12/2018	Zn-65	-1.36E+00	2.33E+00	7.52E+00	U	
WG	SG-1	441599007	1/12/2018	Zr-95	-1.08E+00	1.61E+00	4.69E+00	U	
WG	W-12	441978001	1/16/2018	Ac-228	1.60E+01	5.47E+00	1.71E+01	U	
WG	W-12	441978001	1/16/2018	Ag-108m	-5.59E-01	9.43E-01	2.98E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-12	441978001	1/16/2018	Ag-110m	-1.75E+00	1.58E+00	4.10E+00	U
WG	W-12	441978001	1/16/2018	Ba-140	6.98E+00	6.55E+00	2.27E+01	U
WG	W-12	441978001	1/16/2018	Be-7	-4.51E+00	9.81E+00	2.75E+01	U
WG	W-12	441978001	1/16/2018	Ce-141	1.88E+00	3.22E+00	7.46E+00	U
WG	W-12	441978001	1/16/2018	Ce-144	7.17E+00	8.41E+00	2.78E+01	U
WG	W-12	441978001	1/16/2018	Co-57	3.70E-01	1.07E+00	3.51E+00	U
WG	W-12	441978001	1/16/2018	Co-58	2.05E+00	1.06E+00	3.83E+00	U
WG	W-12	441978001	1/16/2018	Co-60	1.47E+00	1.25E+00	4.64E+00	U
WG	W-12	441978001	1/16/2018	Cr-51	3.24E+00	1.02E+01	3.53E+01	U
WG	W-12	441978001	1/16/2018	Cs-134	2.95E+00	1.52E+00	4.75E+00	U
WG	W-12	441978001	1/16/2018	Cs-137	4.44E-01	1.08E+00	3.67E+00	U
WG	W-12	441978001	1/16/2018	Fe-59	3.31E+00	2.90E+00	7.38E+00	U
WG	W-12	441978001	1/16/2018	H-3	3.57E+02	3.19E+02	9.88E+02	U
WG	W-12	441978001	1/16/2018	I-131	-3.33E+00	2.08E+00	5.79E+00	U
WG	W-12	441978001	1/16/2018	K-40	-5.90E+00	1.93E+01	6.53E+01	U
WG	W-12	441978001	1/16/2018	La-140	-1.81E+00	1.99E+00	5.41E+00	U
WG	W-12	441978001	1/16/2018	Mn-54	-6.23E-01	9.84E-01	2.84E+00	U
WG	W-12	441978001	1/16/2018	Nb-95	-6.02E-01	1.35E+00	3.60E+00	U
WG	W-12	441978001	1/16/2018	Ru-103	1.92E-01	1.30E+00	4.36E+00	U
WG	W-12	441978001	1/16/2018	Ru-106	-1.57E+01	1.07E+01	2.75E+01	U
WG	W-12	441978001	1/16/2018	Sb-124	5.57E+00	3.25E+00	1.23E+01	U
WG	W-12	441978001	1/16/2018	Sb-125	2.22E+00	3.18E+00	1.11E+01	U
WG	W-12	441978001	1/16/2018	Se-75	-6.26E-01	1.67E+00	5.06E+00	U
WG	W-12	441978001	1/16/2018	Th-228	5.52E+00	4.78E+00	8.86E+00	U
WG	W-12	441978001	1/16/2018	Zn-65	-5.76E+00	2.98E+00	5.24E+00	U
WG	W-12	441978001	1/16/2018	Zr-95	7.10E-01	1.81E+00	6.13E+00	U
WG	W-15	441978002	1/16/2018	Ac-228	-2.28E+00	6.39E+00	1.95E+01	U
WG	W-15	441978002	1/16/2018	Ag-108m	1.30E+00	1.22E+00	4.09E+00	U
WG	W-15	441978002	1/16/2018	Ag-110m	2.01E+00	1.94E+00	6.19E+00	U
WG	W-15	441978002	1/16/2018	Ba-140	-9.57E+00	6.00E+00	1.58E+01	U
WG	W-15	441978002	1/16/2018	Be-7	2.28E+00	9.66E+00	3.34E+01	U
WG	W-15	441978002	1/16/2018	Ce-141	-6.04E-01	2.45E+00	6.91E+00	U
WG	W-15	441978002	1/16/2018	Ce-144	6.71E+00	8.79E+00	2.83E+01	U
WG	W-15	441978002	1/16/2018	Co-57	7.65E-01	1.18E+00	3.80E+00	U
WG	W-15	441978002	1/16/2018	Co-58	1.11E+00	1.39E+00	4.80E+00	U
WG	W-15	441978002	1/16/2018	Co-60	3.45E-01	1.29E+00	4.40E+00	U
WG	W-15	441978002	1/16/2018	Cr-51	-5.14E+00	1.32E+01	4.21E+01	U
WG	W-15	441978002	1/16/2018	Cs-134	-2.50E+00	1.81E+00	4.80E+00	U
WG	W-15	441978002	1/16/2018	Cs-137	-4.78E-01	1.27E+00	4.03E+00	U
WG	W-15	441978002	1/16/2018	Fe-59	7.32E-01	3.07E+00	1.05E+01	U
WG	W-15	441978002	1/16/2018	H-3	1.28E+02	3.06E+02	9.84E+02	U
WG	W-15	441978002	1/16/2018	I-131	-1.47E+00	2.33E+00	7.13E+00	U
WG	W-15	441978002	1/16/2018	K-40	-3.31E+00	1.96E+01	6.95E+01	U
WG	W-15	441978002	1/16/2018	La-140	1.83E-01	2.57E+00	8.34E+00	U
WG	W-15	441978002	1/16/2018	Mn-54	-7.44E-01	1.45E+00	4.43E+00	U
WG	W-15	441978002	1/16/2018	Nb-95	1.52E+00	1.43E+00	4.98E+00	U
WG	W-15	441978002	1/16/2018	Ru-103	-1.89E+00	1.48E+00	4.32E+00	U
WG	W-15	441978002	1/16/2018	Ru-106	5.61E+00	1.13E+01	3.88E+01	U
WG	W-15	441978002	1/16/2018	Sb-124	-2.80E+00	2.27E+00	4.77E+00	U
WG	W-15	441978002	1/16/2018	Sb-125	4.95E+00	4.88E+00	1.30E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-15	441978002	1/16/2018	Se-75	-2.23E+00	1.82E+00	5.36E+00	U
WG	W-15	441978002	1/16/2018	Th-228	1.08E+00	5.36E+00	9.60E+00	U
WG	W-15	441978002	1/16/2018	Zn-65	-1.45E+00	3.71E+00	1.01E+01	U
WG	W-15	441978002	1/16/2018	Zr-95	1.31E+00	2.61E+00	8.77E+00	U
WG	MW-20	441978003	1/16/2018	Ac-228	1.22E+01	7.04E+00	1.79E+01	U
WG	MW-20	441978003	1/16/2018	Ag-108m	6.08E-01	9.53E-01	3.29E+00	U
WG	MW-20	441978003	1/16/2018	Ag-110m	2.04E+00	1.70E+00	5.80E+00	U
WG	MW-20	441978003	1/16/2018	Ba-140	-2.14E+00	5.45E+00	1.74E+01	U
WG	MW-20	441978003	1/16/2018	Be-7	9.18E+00	1.01E+01	3.47E+01	U
WG	MW-20	441978003	1/16/2018	Ce-141	2.81E+00	2.85E+00	6.49E+00	U
WG	MW-20	441978003	1/16/2018	Ce-144	-1.13E+01	8.45E+00	2.44E+01	U
WG	MW-20	441978003	1/16/2018	Co-57	-9.67E-01	1.06E+00	3.23E+00	U
WG	MW-20	441978003	1/16/2018	Co-58	1.20E-01	1.06E+00	3.45E+00	U
WG	MW-20	441978003	1/16/2018	Co-60	3.01E-01	1.09E+00	3.73E+00	U
WG	MW-20	441978003	1/16/2018	Cr-51	1.23E+01	9.60E+00	3.36E+01	U
WG	MW-20	441978003	1/16/2018	Cs-134	-8.75E-01	1.07E+00	3.02E+00	U
WG	MW-20	441978003	1/16/2018	Cs-137	1.33E+00	2.78E+00	3.83E+00	U
WG	MW-20	441978003	1/16/2018	Fe-59	1.36E+00	2.37E+00	8.10E+00	U
WG	MW-20	441978003	1/16/2018	H-3	5.06E+02	3.20E+02	9.65E+02	U
WG	MW-20	441978003	1/16/2018	I-131	4.43E-01	1.78E+00	5.84E+00	U
WG	MW-20	441978003	1/16/2018	K-40	3.96E+01	1.81E+01	4.81E+01	U
WG	MW-20	441978003	1/16/2018	La-140	6.76E-02	2.27E+00	7.44E+00	U
WG	MW-20	441978003	1/16/2018	Mn-54	1.05E-01	9.92E-01	3.21E+00	U
WG	MW-20	441978003	1/16/2018	Nb-95	8.87E-01	1.18E+00	4.00E+00	U
WG	MW-20	441978003	1/16/2018	Ru-103	-1.88E+00	1.29E+00	3.59E+00	U
WG	MW-20	441978003	1/16/2018	Ru-106	-5.55E+00	1.04E+01	3.22E+01	U
WG	MW-20	441978003	1/16/2018	Sb-124	9.70E-01	1.81E+00	6.51E+00	U
WG	MW-20	441978003	1/16/2018	Sb-125	6.66E-01	3.02E+00	1.03E+01	U
WG	MW-20	441978003	1/16/2018	Se-75	-2.02E+00	1.58E+00	4.28E+00	U
WG	MW-20	441978003	1/16/2018	Th-228	2.06E+00	3.49E+00	6.60E+00	U
WG	MW-20	441978003	1/16/2018	Zn-65	2.06E-01	2.95E+00	6.48E+00	U
WG	MW-20	441978003	1/16/2018	Zr-95	-9.51E-01	1.89E+00	5.71E+00	U
WG	MW-21	441978004	1/16/2018	Ac-228	-8.71E-01	4.95E+00	1.57E+01	U
WG	MW-21	441978004	1/16/2018	Ag-108m	8.03E-01	7.99E-01	2.62E+00	U
WG	MW-21	441978004	1/16/2018	Ag-110m	-7.31E-01	1.14E+00	3.33E+00	U
WG	MW-21	441978004	1/16/2018	Ba-140	-3.59E+00	4.45E+00	1.36E+01	U
WG	MW-21	441978004	1/16/2018	Be-7	-3.01E+00	7.26E+00	2.35E+01	U
WG	MW-21	441978004	1/16/2018	Ce-141	-2.52E+00	1.60E+00	4.33E+00	U
WG	MW-21	441978004	1/16/2018	Ce-144	-6.70E+00	6.43E+00	1.91E+01	U
WG	MW-21	441978004	1/16/2018	Co-57	9.24E-01	8.88E-01	2.94E+00	U
WG	MW-21	441978004	1/16/2018	Co-58	1.36E-01	9.91E-01	3.27E+00	U
WG	MW-21	441978004	1/16/2018	Co-60	-1.88E+00	9.69E-01	1.81E+00	U
WG	MW-21	441978004	1/16/2018	Cr-51	1.64E+00	7.75E+00	2.70E+01	U
WG	MW-21	441978004	1/16/2018	Cs-134	-5.49E-02	1.30E+00	3.41E+00	U
WG	MW-21	441978004	1/16/2018	Cs-137	-2.42E-03	8.06E-01	2.66E+00	U
WG	MW-21	441978004	1/16/2018	Fe-59	8.57E-01	1.84E+00	6.18E+00	U
WG	MW-21	441978004	1/16/2018	H-3	-1.80E+02	2.95E+02	9.97E+02	U
WG	MW-21	441978004	1/16/2018	I-131	6.16E-01	1.54E+00	5.35E+00	U
WG	MW-21	441978004	1/16/2018	K-40	1.06E+01	1.57E+01	5.71E+01	U
WG	MW-21	441978004	1/16/2018	La-140	1.15E+00	1.14E+00	4.37E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-21	441978004	1/16/2018	Mn-54	4.86E-01	1.08E+00	3.64E+00	U
WG	MW-21	441978004	1/16/2018	Nb-95	-2.45E-01	1.05E+00	3.35E+00	U
WG	MW-21	441978004	1/16/2018	Ru-103	-4.98E-01	9.25E-01	2.95E+00	U
WG	MW-21	441978004	1/16/2018	Ru-106	-2.09E+00	7.01E+00	2.25E+01	U
WG	MW-21	441978004	1/16/2018	Sb-124	-1.35E+00	1.73E+00	4.65E+00	U
WG	MW-21	441978004	1/16/2018	Sb-125	-2.18E+00	2.41E+00	7.44E+00	U
WG	MW-21	441978004	1/16/2018	Se-75	-6.65E-01	1.38E+00	4.17E+00	U
WG	MW-21	441978004	1/16/2018	Th-228	5.85E+00	3.41E+00	8.14E+00	U
WG	MW-21	441978004	1/16/2018	Zn-65	-1.97E+00	2.75E+00	6.77E+00	U
WG	MW-21	441978004	1/16/2018	Zr-95	1.47E-01	1.89E+00	5.59E+00	U
WG	W-4	442724001	1/26/2018	Ac-228	-2.34E-01	4.82E+00	1.38E+01	U
WG	W-4	442724001	1/26/2018	Ag-108m	-3.45E-01	7.65E-01	2.41E+00	U
WG	W-4	442724001	1/26/2018	Ag-110m	3.09E-01	1.22E+00	4.19E+00	U
WG	W-4	442724001	1/26/2018	Ba-140	7.69E+00	4.73E+00	1.55E+01	U
WG	W-4	442724001	1/26/2018	Be-7	7.66E+00	8.05E+00	2.67E+01	U
WG	W-4	442724001	1/26/2018	Ce-141	1.89E+00	1.84E+00	5.59E+00	U
WG	W-4	442724001	1/26/2018	Ce-144	-5.34E+00	6.30E+00	2.03E+01	U
WG	W-4	442724001	1/26/2018	Co-57	9.15E-01	8.64E-01	2.92E+00	U
WG	W-4	442724001	1/26/2018	Co-58	-2.30E-01	8.65E-01	2.88E+00	U
WG	W-4	442724001	1/26/2018	Co-60	-1.04E+00	8.57E-01	2.38E+00	U
WG	W-4	442724001	1/26/2018	Cr-51	-3.86E+00	7.93E+00	2.54E+01	U
WG	W-4	442724001	1/26/2018	Cs-134	-4.78E-02	9.36E-01	3.17E+00	U
WG	W-4	442724001	1/26/2018	Cs-137	8.45E-01	9.55E-01	3.16E+00	U
WG	W-4	442724001	1/26/2018	Fe-59	1.75E+00	1.78E+00	6.22E+00	U
WG	W-4	442724001	1/26/2018	H-3	5.13E+02	3.31E+02	9.97E+02	U
WG	W-4	442724001	1/26/2018	I-131	8.05E-01	1.40E+00	4.66E+00	U
WG	W-4	442724001	1/26/2018	K-40	5.93E+00	1.34E+01	4.27E+01	U
WG	W-4	442724001	1/26/2018	La-140	4.98E-01	1.66E+00	4.93E+00	U
WG	W-4	442724001	1/26/2018	Mn-54	-8.67E-01	8.97E-01	2.79E+00	U
WG	W-4	442724001	1/26/2018	Nb-95	-2.47E-01	9.99E-01	3.11E+00	U
WG	W-4	442724001	1/26/2018	Ru-103	-2.20E+00	1.05E+00	2.51E+00	U
WG	W-4	442724001	1/26/2018	Ru-106	4.91E+00	8.42E+00	2.77E+01	U
WG	W-4	442724001	1/26/2018	Sb-124	6.65E-01	2.22E+00	6.63E+00	U
WG	W-4	442724001	1/26/2018	Sb-125	4.30E+00	4.33E+00	8.70E+00	U
WG	W-4	442724001	1/26/2018	Se-75	-4.95E-01	1.16E+00	3.75E+00	U
WG	W-4	442724001	1/26/2018	Th-228	7.82E-01	2.75E+00	6.17E+00	U
WG	W-4	442724001	1/26/2018	Zn-65	1.55E+00	1.93E+00	6.06E+00	U
WG	W-4	442724001	1/26/2018	Zr-95	5.59E-01	1.56E+00	5.05E+00	U
WG	W-5	442724002	1/26/2018	Ac-228	-1.53E+00	3.97E+00	1.21E+01	U
WG	W-5	442724002	1/26/2018	Ag-108m	-2.63E-01	7.01E-01	2.28E+00	U
WG	W-5	442724002	1/26/2018	Ag-110m	1.80E-01	9.35E-01	2.85E+00	U
WG	W-5	442724002	1/26/2018	Ba-140	-1.82E+00	3.58E+00	1.13E+01	U
WG	W-5	442724002	1/26/2018	Be-7	2.64E+00	6.52E+00	2.19E+01	U
WG	W-5	442724002	1/26/2018	Ce-141	-1.66E+00	1.50E+00	4.45E+00	U
WG	W-5	442724002	1/26/2018	Ce-144	-4.42E+00	5.66E+00	1.75E+01	U
WG	W-5	442724002	1/26/2018	Co-57	4.09E-01	6.86E-01	2.24E+00	U
WG	W-5	442724002	1/26/2018	Co-58	8.16E-01	7.79E-01	2.50E+00	U
WG	W-5	442724002	1/26/2018	Co-60	-8.61E-01	8.81E-01	2.54E+00	U
WG	W-5	442724002	1/26/2018	Cr-51	-1.26E+01	7.43E+00	2.13E+01	U
WG	W-5	442724002	1/26/2018	Cs-134	-2.20E-01	8.74E-01	2.71E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	442724002	1/26/2018	Cs-137	7.90E-01	7.35E-01	2.48E+00	U
WG	W-5	442724002	1/26/2018	Fe-59	1.47E+00	1.56E+00	5.42E+00	U
WG	W-5	442724002	1/26/2018	H-3	4.89E+02	3.31E+02	1.00E+03	U
WG	W-5	442724002	1/26/2018	I-131	1.55E+00	1.31E+00	4.45E+00	U
WG	W-5	442724002	1/26/2018	K-40	-2.16E+01	1.35E+01	3.78E+01	U
WG	W-5	442724002	1/26/2018	La-140	-5.96E-01	1.42E+00	3.96E+00	U
WG	W-5	442724002	1/26/2018	Mn-54	4.11E-01	7.10E-01	2.48E+00	U
WG	W-5	442724002	1/26/2018	Nb-95	-1.33E+00	9.06E-01	1.98E+00	U
WG	W-5	442724002	1/26/2018	Ru-103	2.26E-01	8.50E-01	2.54E+00	U
WG	W-5	442724002	1/26/2018	Ru-106	8.47E+00	7.46E+00	2.17E+01	U
WG	W-5	442724002	1/26/2018	Sb-124	-6.58E+00	3.13E+00	6.22E+00	U
WG	W-5	442724002	1/26/2018	Sb-125	-1.82E+00	2.08E+00	6.44E+00	U
WG	W-5	442724002	1/26/2018	Se-75	-7.66E-01	1.05E+00	3.28E+00	U
WG	W-5	442724002	1/26/2018	Th-228	-4.10E+00	2.30E+00	5.28E+00	U
WG	W-5	442724002	1/26/2018	Zn-65	-9.98E-01	1.52E+00	4.72E+00	U
WG	W-5	442724002	1/26/2018	Zr-95	1.17E+00	1.42E+00	4.71E+00	U
WG	W-6	442724003	1/26/2018	Ac-228	-5.68E-01	3.79E+00	1.09E+01	U
WG	W-6	442724003	1/26/2018	Ag-108m	-7.03E-01	7.10E-01	2.20E+00	U
WG	W-6	442724003	1/26/2018	Ag-110m	1.57E+00	9.36E-01	3.13E+00	U
WG	W-6	442724003	1/26/2018	Ba-140	3.79E+00	3.38E+00	1.14E+01	U
WG	W-6	442724003	1/26/2018	Be-7	-5.01E+00	6.37E+00	1.99E+01	U
WG	W-6	442724003	1/26/2018	Ce-141	-3.70E-01	1.46E+00	4.20E+00	U
WG	W-6	442724003	1/26/2018	Ce-144	7.03E+00	5.34E+00	1.68E+01	U
WG	W-6	442724003	1/26/2018	Co-57	-2.04E-01	6.31E-01	1.98E+00	U
WG	W-6	442724003	1/26/2018	Co-58	5.27E-01	7.52E-01	1.88E+00	U
WG	W-6	442724003	1/26/2018	Co-60	-7.79E-01	7.71E-01	2.25E+00	U
WG	W-6	442724003	1/26/2018	Cr-51	4.89E+00	6.94E+00	2.37E+01	U
WG	W-6	442724003	1/26/2018	Cs-134	3.87E-01	7.05E-01	2.33E+00	U
WG	W-6	442724003	1/26/2018	Cs-137	-5.64E-01	7.85E-01	2.39E+00	U
WG	W-6	442724003	1/26/2018	Fe-59	-2.23E+00	1.44E+00	3.90E+00	U
WG	W-6	442724003	1/26/2018	H-3	5.52E+02	3.28E+02	9.81E+02	U
WG	W-6	442724003	1/26/2018	I-131	-8.51E-01	1.15E+00	3.68E+00	U
WG	W-6	442724003	1/26/2018	K-40	3.73E+01	1.71E+01	1.79E+01	UI
WG	W-6	442724003	1/26/2018	La-140	-2.33E-01	9.92E-01	3.15E+00	U
WG	W-6	442724003	1/26/2018	Mn-54	-4.32E-01	7.30E-01	2.20E+00	U
WG	W-6	442724003	1/26/2018	Nb-95	4.17E-01	7.74E-01	2.30E+00	U
WG	W-6	442724003	1/26/2018	Ru-103	-5.07E-01	7.20E-01	2.25E+00	U
WG	W-6	442724003	1/26/2018	Ru-106	8.49E+00	5.78E+00	1.85E+01	U
WG	W-6	442724003	1/26/2018	Sb-124	4.91E-01	1.83E+00	6.09E+00	U
WG	W-6	442724003	1/26/2018	Sb-125	-6.58E-01	2.01E+00	6.58E+00	U
WG	W-6	442724003	1/26/2018	Se-75	9.48E-01	9.91E-01	3.39E+00	U
WG	W-6	442724003	1/26/2018	Th-228	2.59E+00	2.29E+00	4.21E+00	U
WG	W-6	442724003	1/26/2018	Zn-65	-1.78E-01	1.85E+00	5.43E+00	U
WG	W-6	442724003	1/26/2018	Zr-95	-1.58E+00	1.49E+00	4.31E+00	U
WG	W-1	447762001	4/6/2018	Ac-228	-1.05E+01	6.47E+00	1.66E+01	U
WG	W-1	447762001	4/6/2018	Ag-108m	4.74E-01	1.20E+00	4.06E+00	U
WG	W-1	447762001	4/6/2018	Ag-110m	2.82E-02	1.69E+00	5.45E+00	U
WG	W-1	447762001	4/6/2018	Ba-140	-1.97E+00	5.84E+00	1.86E+01	U
WG	W-1	447762001	4/6/2018	Be-7	3.30E+00	1.02E+01	3.44E+01	U
WG	W-1	447762001	4/6/2018	Ce-141	-5.36E-01	2.17E+00	7.36E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-1	447762001	4/6/2018	Ce-144	-5.54E+00	8.49E+00	2.81E+01	U
WG	W-1	447762001	4/6/2018	Co-57	9.92E-01	1.17E+00	4.06E+00	U
WG	W-1	447762001	4/6/2018	Co-58	5.33E-02	1.19E+00	3.86E+00	U
WG	W-1	447762001	4/6/2018	Co-60	7.84E-01	1.41E+00	5.02E+00	U
WG	W-1	447762001	4/6/2018	Cr-51	2.10E+00	1.06E+01	3.60E+01	U
WG	W-1	447762001	4/6/2018	Cs-134	3.32E-01	1.09E+00	3.67E+00	U
WG	W-1	447762001	4/6/2018	Cs-137	-2.59E+00	1.43E+00	2.81E+00	U
WG	W-1	447762001	4/6/2018	Fe-59	1.61E+00	1.74E+00	6.37E+00	U
WG	W-1	447762001	4/6/2018	H-3	-3.58E+01	1.80E+02	5.98E+02	U
WG	W-1	447762001	4/6/2018	I-131	6.26E-01	2.05E+00	6.96E+00	U
WG	W-1	447762001	4/6/2018	K-40	2.85E+01	2.10E+01	4.71E+01	U
WG	W-1	447762001	4/6/2018	La-140	-1.86E+00	2.43E+00	7.22E+00	U
WG	W-1	447762001	4/6/2018	Mn-54	1.48E+00	1.36E+00	4.70E+00	U
WG	W-1	447762001	4/6/2018	Nb-95	9.49E-01	1.30E+00	4.46E+00	U
WG	W-1	447762001	4/6/2018	Ru-103	9.22E-01	1.30E+00	4.46E+00	U
WG	W-1	447762001	4/6/2018	Ru-106	5.97E+00	1.09E+01	3.71E+01	U
WG	W-1	447762001	4/6/2018	Sb-124	-1.95E+00	3.30E+00	9.91E+00	U
WG	W-1	447762001	4/6/2018	Sb-125	-1.38E+00	3.40E+00	1.09E+01	U
WG	W-1	447762001	4/6/2018	Se-75	8.39E-01	1.74E+00	5.98E+00	U
WG	W-1	447762001	4/6/2018	Th-228	-1.02E+00	3.26E+00	1.01E+01	U
WG	W-1	447762001	4/6/2018	Zn-65	1.58E+00	3.01E+00	9.21E+00	U
WG	W-1	447762001	4/6/2018	Zr-95	2.14E+00	2.42E+00	8.35E+00	U
WG	W-2	447762002	4/6/2018	Ac-228	6.31E+00	5.09E+00	1.82E+01	U
WG	W-2	447762002	4/6/2018	Ag-108m	3.48E-01	9.65E-01	3.32E+00	U
WG	W-2	447762002	4/6/2018	Ag-110m	7.02E-01	1.43E+00	4.84E+00	U
WG	W-2	447762002	4/6/2018	Ba-140	3.28E+00	6.56E+00	2.24E+01	U
WG	W-2	447762002	4/6/2018	Be-7	3.12E+00	9.26E+00	3.17E+01	U
WG	W-2	447762002	4/6/2018	Ce-141	-9.78E-01	2.25E+00	7.06E+00	U
WG	W-2	447762002	4/6/2018	Ce-144	-2.97E+00	8.75E+00	2.77E+01	U
WG	W-2	447762002	4/6/2018	Co-57	1.12E+00	1.19E+00	3.93E+00	U
WG	W-2	447762002	4/6/2018	Co-58	-8.15E-01	1.25E+00	3.66E+00	U
WG	W-2	447762002	4/6/2018	Co-60	1.36E+00	1.32E+00	4.83E+00	U
WG	W-2	447762002	4/6/2018	Cr-51	-5.95E+00	1.03E+01	3.35E+01	U
WG	W-2	447762002	4/6/2018	Cs-134	2.71E+00	1.42E+00	4.48E+00	U
WG	W-2	447762002	4/6/2018	Cs-137	-4.88E-01	1.10E+00	2.95E+00	U
WG	W-2	447762002	4/6/2018	Fe-59	-2.71E-01	2.13E+00	7.08E+00	U
WG	W-2	447762002	4/6/2018	H-3	-2.13E+02	1.68E+02	5.92E+02	U
WG	W-2	447762002	4/6/2018	I-131	-1.02E+00	1.83E+00	5.90E+00	U
WG	W-2	447762002	4/6/2018	K-40	1.07E+01	1.72E+01	6.28E+01	U
WG	W-2	447762002	4/6/2018	La-140	2.66E+00	1.62E+00	6.42E+00	U
WG	W-2	447762002	4/6/2018	Mn-54	-1.74E+00	1.18E+00	2.80E+00	U
WG	W-2	447762002	4/6/2018	Nb-95	1.68E+00	1.16E+00	3.57E+00	U
WG	W-2	447762002	4/6/2018	Ru-103	-2.79E-01	1.11E+00	3.59E+00	U
WG	W-2	447762002	4/6/2018	Ru-106	-1.12E+01	8.86E+00	2.30E+01	U
WG	W-2	447762002	4/6/2018	Sb-124	1.24E+00	2.93E+00	1.02E+01	U
WG	W-2	447762002	4/6/2018	Sb-125	-1.72E+00	3.06E+00	9.75E+00	U
WG	W-2	447762002	4/6/2018	Se-75	-2.02E+00	1.69E+00	4.56E+00	U
WG	W-2	447762002	4/6/2018	Th-228	1.20E+01	5.93E+00	8.98E+00	UI
WG	W-2	447762002	4/6/2018	Zn-65	1.89E+00	2.68E+00	9.55E+00	U
WG	W-2	447762002	4/6/2018	Zr-95	-1.77E+00	2.72E+00	7.05E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-3	447762003	4/6/2018	Ac-228	1.58E+00	5.98E+00	1.96E+01	U
WG	W-3	447762003	4/6/2018	Ag-108m	3.23E+00	2.47E+00	3.63E+00	U
WG	W-3	447762003	4/6/2018	Ag-110m	3.91E+00	1.76E+00	5.50E+00	U
WG	W-3	447762003	4/6/2018	Ba-140	-2.24E+00	5.52E+00	1.74E+01	U
WG	W-3	447762003	4/6/2018	Be-7	-3.94E+00	8.98E+00	2.85E+01	U
WG	W-3	447762003	4/6/2018	Ce-141	-3.16E+00	2.34E+00	6.65E+00	U
WG	W-3	447762003	4/6/2018	Ce-144	-7.97E+00	8.51E+00	2.57E+01	U
WG	W-3	447762003	4/6/2018	Co-57	-1.03E+00	1.16E+00	3.53E+00	U
WG	W-3	447762003	4/6/2018	Co-58	8.70E-01	9.14E-01	3.06E+00	U
WG	W-3	447762003	4/6/2018	Co-60	-1.23E+00	1.41E+00	3.74E+00	U
WG	W-3	447762003	4/6/2018	Cr-51	8.28E+00	1.18E+01	4.12E+01	U
WG	W-3	447762003	4/6/2018	Cs-134	-1.31E+00	1.33E+00	2.92E+00	U
WG	W-3	447762003	4/6/2018	Cs-137	1.45E+00	1.08E+00	3.86E+00	U
WG	W-3	447762003	4/6/2018	Fe-59	-9.42E-01	2.31E+00	7.27E+00	U
WG	W-3	447762003	4/6/2018	H-3	5.28E+01	1.79E+02	5.79E+02	U
WG	W-3	447762003	4/6/2018	I-131	-1.74E+00	1.82E+00	5.57E+00	U
WG	W-3	447762003	4/6/2018	K-40	1.94E+01	2.00E+01	7.39E+01	U
WG	W-3	447762003	4/6/2018	La-140	2.16E+00	2.50E+00	8.79E+00	U
WG	W-3	447762003	4/6/2018	Mn-54	-1.86E+00	1.49E+00	3.90E+00	U
WG	W-3	447762003	4/6/2018	Nb-95	-1.67E+00	1.33E+00	3.48E+00	U
WG	W-3	447762003	4/6/2018	Ru-103	-2.71E-01	1.08E+00	3.48E+00	U
WG	W-3	447762003	4/6/2018	Ru-106	2.33E+01	3.07E+01	3.18E+01	U
WG	W-3	447762003	4/6/2018	Sb-124	-9.99E-01	3.66E+00	1.13E+01	U
WG	W-3	447762003	4/6/2018	Sb-125	3.17E+00	3.22E+00	1.04E+01	U
WG	W-3	447762003	4/6/2018	Se-75	-2.13E-01	1.71E+00	5.28E+00	U
WG	W-3	447762003	4/6/2018	Th-228	4.35E+00	4.34E+00	9.93E+00	U
WG	W-3	447762003	4/6/2018	Zn-65	-2.92E+00	3.86E+00	1.00E+01	U
WG	W-3	447762003	4/6/2018	Zr-95	9.68E-01	2.21E+00	7.39E+00	U
WG	W-7	448104001	4/11/2018	Ac-228	-5.65E+00	5.47E+00	1.54E+01	U
WG	W-7	448104001	4/11/2018	Ag-108m	-9.50E-01	1.31E+00	3.57E+00	U
WG	W-7	448104001	4/11/2018	Ag-110m	-8.24E-01	1.45E+00	4.56E+00	U
WG	W-7	448104001	4/11/2018	Ba-140	-3.40E+00	5.16E+00	1.54E+01	U
WG	W-7	448104001	4/11/2018	Be-7	3.53E+00	1.00E+01	3.37E+01	U
WG	W-7	448104001	4/11/2018	Ce-141	7.39E+00	3.09E+00	3.62E+00	UI
WG	W-7	448104001	4/11/2018	Ce-144	2.70E+00	7.06E+00	2.30E+01	U
WG	W-7	448104001	4/11/2018	Co-57	1.10E+00	8.82E-01	2.91E+00	U
WG	W-7	448104001	4/11/2018	Co-58	1.16E+00	1.03E+00	3.77E+00	U
WG	W-7	448104001	4/11/2018	Co-60	2.55E+00	1.63E+00	5.78E+00	U
WG	W-7	448104001	4/11/2018	Cr-51	-1.73E+01	1.22E+01	3.56E+01	U
WG	W-7	448104001	4/11/2018	Cs-134	-8.91E-02	1.14E+00	3.83E+00	U
WG	W-7	448104001	4/11/2018	Cs-137	-3.48E-01	1.19E+00	3.69E+00	U
WG	W-7	448104001	4/11/2018	Fe-59	-2.08E+00	2.10E+00	5.77E+00	U
WG	W-7	448104001	4/11/2018	H-3	6.10E+02	4.18E+02	1.27E+03	U
WG	W-7	448104001	4/11/2018	I-131	2.30E+00	2.48E+00	8.56E+00	U
WG	W-7	448104001	4/11/2018	K-40	-4.41E+00	1.75E+01	6.19E+01	U
WG	W-7	448104001	4/11/2018	La-140	1.08E-01	1.64E+00	5.34E+00	U
WG	W-7	448104001	4/11/2018	Mn-54	-4.28E-01	1.19E+00	3.89E+00	U
WG	W-7	448104001	4/11/2018	Nb-95	5.95E-01	1.05E+00	3.24E+00	U
WG	W-7	448104001	4/11/2018	Ru-103	-5.36E-01	1.29E+00	4.07E+00	U
WG	W-7	448104001	4/11/2018	Ru-106	-3.78E+00	1.00E+01	3.10E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	448104001	4/11/2018	Sb-124	-3.07E+00	2.37E+00	5.53E+00	U
WG	W-7	448104001	4/11/2018	Sb-125	4.40E+00	3.01E+00	1.04E+01	U
WG	W-7	448104001	4/11/2018	Se-75	-4.69E-01	1.43E+00	4.77E+00	U
WG	W-7	448104001	4/11/2018	Th-228	-1.06E+00	2.67E+00	8.43E+00	U
WG	W-7	448104001	4/11/2018	Zn-65	1.52E+00	2.45E+00	7.79E+00	U
WG	W-7	448104001	4/11/2018	Zr-95	1.23E+00	2.12E+00	6.49E+00	U
WG	W-11	448104005	4/11/2018	Ac-228	6.78E+00	6.93E+00	1.79E+01	U
WG	W-11	448104005	4/11/2018	Ag-108m	-2.43E-02	9.09E-01	3.05E+00	U
WG	W-11	448104005	4/11/2018	Ag-110m	1.86E+00	1.50E+00	5.26E+00	U
WG	W-11	448104005	4/11/2018	Ba-140	-8.67E-02	5.31E+00	1.76E+01	U
WG	W-11	448104005	4/11/2018	Be-7	7.05E+00	9.24E+00	3.22E+01	U
WG	W-11	448104005	4/11/2018	Ce-141	-2.56E+00	2.46E+00	6.09E+00	U
WG	W-11	448104005	4/11/2018	Ce-144	-5.24E+00	7.37E+00	2.28E+01	U
WG	W-11	448104005	4/11/2018	Co-57	-1.09E+00	1.03E+00	3.08E+00	U
WG	W-11	448104005	4/11/2018	Co-58	6.47E-01	1.18E+00	3.98E+00	U
WG	W-11	448104005	4/11/2018	Co-60	-3.17E-01	1.34E+00	4.33E+00	U
WG	W-11	448104005	4/11/2018	Cr-51	1.00E+01	1.08E+01	3.80E+01	U
WG	W-11	448104005	4/11/2018	Cs-134	6.43E-01	9.27E-01	3.23E+00	U
WG	W-11	448104005	4/11/2018	Cs-137	3.46E-01	1.13E+00	3.80E+00	U
WG	W-11	448104005	4/11/2018	Fe-59	-7.56E-01	2.15E+00	7.09E+00	U
WG	W-11	448104005	4/11/2018	H-3	1.40E+02	3.92E+02	1.27E+03	U
WG	W-11	448104005	4/11/2018	I-131	-1.55E+00	1.93E+00	6.04E+00	U
WG	W-11	448104005	4/11/2018	K-40	-1.36E+01	1.28E+01	4.29E+01	U
WG	W-11	448104005	4/11/2018	La-140	6.44E-01	2.25E+00	7.64E+00	U
WG	W-11	448104005	4/11/2018	Mn-54	9.24E-01	6.01E-01	2.36E+00	U
WG	W-11	448104005	4/11/2018	Nb-95	-2.70E-01	1.12E+00	3.53E+00	U
WG	W-11	448104005	4/11/2018	Ru-103	-7.74E-01	1.15E+00	3.57E+00	U
WG	W-11	448104005	4/11/2018	Ru-106	4.96E+00	7.33E+00	2.57E+01	U
WG	W-11	448104005	4/11/2018	Sb-124	-4.08E+00	3.61E+00	8.02E+00	U
WG	W-11	448104005	4/11/2018	Sb-125	-2.25E-01	2.32E+00	7.75E+00	U
WG	W-11	448104005	4/11/2018	Se-75	1.02E+00	1.36E+00	4.43E+00	U
WG	W-11	448104005	4/11/2018	Th-228	8.86E-01	3.29E+00	6.06E+00	U
WG	W-11	448104005	4/11/2018	Zn-65	1.27E-01	1.81E+00	6.15E+00	U
WG	W-11	448104005	4/11/2018	Zr-95	1.03E+00	2.11E+00	7.10E+00	U
WG	SG-2	448104008	4/11/2018	Ac-228	2.45E+01	1.10E+01	2.11E+01	UI
WG	SG-2	448104008	4/11/2018	Ag-108m	9.37E-01	1.25E+00	4.16E+00	U
WG	SG-2	448104008	4/11/2018	Ag-110m	8.54E-02	1.56E+00	5.25E+00	U
WG	SG-2	448104008	4/11/2018	ALPHA	1.17E+00	1.01E+00	2.76E+00	U
WG	SG-2	448104008	4/11/2018	Ba-140	-6.40E+00	7.22E+00	2.06E+01	U
WG	SG-2	448104008	4/11/2018	Be-7	1.23E+01	1.28E+01	4.29E+01	U
WG	SG-2	448104008	4/11/2018	BETA	4.05E+00	9.76E-01	2.47E+00	
WG	SG-2	448104008	4/11/2018	Ce-141	-3.43E+00	2.70E+00	7.42E+00	U
WG	SG-2	448104008	4/11/2018	Ce-144	-5.91E+00	9.39E+00	3.03E+01	U
WG	SG-2	448104008	4/11/2018	Co-57	1.89E-01	1.33E+00	4.47E+00	U
WG	SG-2	448104008	4/11/2018	Co-58	-6.68E-02	1.21E+00	4.04E+00	U
WG	SG-2	448104008	4/11/2018	Co-60	8.96E-01	1.45E+00	5.03E+00	U
WG	SG-2	448104008	4/11/2018	Cr-51	8.96E+00	1.23E+01	4.10E+01	U
WG	SG-2	448104008	4/11/2018	Cs-134	8.95E-01	1.57E+00	5.16E+00	U
WG	SG-2	448104008	4/11/2018	Cs-137	-1.28E+00	1.42E+00	3.66E+00	U
WG	SG-2	448104008	4/11/2018	Fe-59	1.47E+00	2.62E+00	9.11E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-2	448104008	4/11/2018	H-3	-3.52E+02	3.70E+02	1.27E+03	U
WG	SG-2	448104008	4/11/2018	I-131	-5.29E+00	2.76E+00	6.66E+00	U
WG	SG-2	448104008	4/11/2018	K-40	-2.25E+00	1.72E+01	5.28E+01	U
WG	SG-2	448104008	4/11/2018	La-140	-1.78E+00	2.69E+00	7.89E+00	U
WG	SG-2	448104008	4/11/2018	Mn-54	-6.71E-01	1.25E+00	3.55E+00	U
WG	SG-2	448104008	4/11/2018	Nb-95	-1.05E-01	1.39E+00	4.64E+00	U
WG	SG-2	448104008	4/11/2018	Ru-103	1.31E+00	1.28E+00	4.00E+00	U
WG	SG-2	448104008	4/11/2018	Ru-106	1.71E+01	1.33E+01	4.68E+01	U
WG	SG-2	448104008	4/11/2018	Sb-124	-1.22E+00	2.73E+00	8.07E+00	U
WG	SG-2	448104008	4/11/2018	Sb-125	-4.67E+00	3.46E+00	9.32E+00	U
WG	SG-2	448104008	4/11/2018	Se-75	3.65E-03	1.69E+00	5.55E+00	U
WG	SG-2	448104008	4/11/2018	Th-228	9.49E+00	5.40E+00	9.36E+00	UI
WG	SG-2	448104008	4/11/2018	Zn-65	1.40E+00	2.62E+00	6.58E+00	U
WG	SG-2	448104008	4/11/2018	Zr-95	5.34E+00	2.74E+00	9.49E+00	U
WG	W-8	448104002	4/13/2018	Ac-228	8.80E+00	7.45E+00	2.15E+01	U
WG	W-8	448104002	4/13/2018	Ag-108m	6.72E-01	9.44E-01	3.23E+00	U
WG	W-8	448104002	4/13/2018	Ag-110m	1.65E+00	1.47E+00	5.34E+00	U
WG	W-8	448104002	4/13/2018	Ba-140	-6.62E+00	6.83E+00	1.94E+01	U
WG	W-8	448104002	4/13/2018	Be-7	2.09E+01	1.18E+01	4.01E+01	U
WG	W-8	448104002	4/13/2018	Ce-141	-3.86E+00	2.44E+00	6.40E+00	U
WG	W-8	448104002	4/13/2018	Ce-144	-9.95E+00	9.32E+00	2.68E+01	U
WG	W-8	448104002	4/13/2018	Co-57	3.84E-01	1.30E+00	4.14E+00	U
WG	W-8	448104002	4/13/2018	Co-58	-1.05E+00	1.20E+00	3.56E+00	U
WG	W-8	448104002	4/13/2018	Co-60	1.15E+00	1.39E+00	4.88E+00	U
WG	W-8	448104002	4/13/2018	Cr-51	-8.31E+00	1.20E+01	3.76E+01	U
WG	W-8	448104002	4/13/2018	Cs-134	-1.58E-01	1.41E+00	4.68E+00	U
WG	W-8	448104002	4/13/2018	Cs-137	1.08E+00	1.35E+00	4.77E+00	U
WG	W-8	448104002	4/13/2018	Fe-59	-2.73E-01	2.48E+00	6.92E+00	U
WG	W-8	448104002	4/13/2018	H-3	-2.48E+02	3.73E+02	1.27E+03	U
WG	W-8	448104002	4/13/2018	I-131	-3.01E+00	2.24E+00	6.27E+00	U
WG	W-8	448104002	4/13/2018	K-40	1.94E+01	1.89E+01	6.74E+01	U
WG	W-8	448104002	4/13/2018	La-140	9.69E-02	2.06E+00	6.92E+00	U
WG	W-8	448104002	4/13/2018	Mn-54	6.75E-01	1.24E+00	4.30E+00	U
WG	W-8	448104002	4/13/2018	Nb-95	4.48E-01	1.37E+00	4.20E+00	U
WG	W-8	448104002	4/13/2018	Ru-103	-2.22E+00	1.44E+00	3.71E+00	U
WG	W-8	448104002	4/13/2018	Ru-106	1.12E+01	1.08E+01	3.67E+01	U
WG	W-8	448104002	4/13/2018	Sb-124	2.30E+00	3.54E+00	1.26E+01	U
WG	W-8	448104002	4/13/2018	Sb-125	2.36E+00	2.98E+00	1.02E+01	U
WG	W-8	448104002	4/13/2018	Se-75	1.15E+00	1.76E+00	6.03E+00	U
WG	W-8	448104002	4/13/2018	Th-228	-7.41E-01	3.09E+00	1.04E+01	U
WG	W-8	448104002	4/13/2018	Zn-65	1.02E+00	3.54E+00	1.05E+01	U
WG	W-8	448104002	4/13/2018	Zr-95	3.13E+00	2.47E+00	8.79E+00	U
WG	W-9	448104003	4/13/2018	Ac-228	-4.95E+00	5.99E+00	1.96E+01	U
WG	W-9	448104003	4/13/2018	Ag-108m	7.09E-01	1.02E+00	3.51E+00	U
WG	W-9	448104003	4/13/2018	Ag-110m	1.60E+00	1.44E+00	4.99E+00	U
WG	W-9	448104003	4/13/2018	Ba-140	5.92E+00	6.05E+00	2.08E+01	U
WG	W-9	448104003	4/13/2018	Be-7	-4.50E+00	9.99E+00	3.21E+01	U
WG	W-9	448104003	4/13/2018	Ce-141	-3.10E+00	2.14E+00	6.06E+00	U
WG	W-9	448104003	4/13/2018	Ce-144	-2.57E+00	7.24E+00	2.30E+01	U
WG	W-9	448104003	4/13/2018	Co-57	1.01E-01	9.58E-01	3.14E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-9	448104003	4/13/2018	Co-58	9.14E-01	1.08E+00	3.70E+00	U
WG	W-9	448104003	4/13/2018	Co-60	-2.54E-01	1.50E+00	4.23E+00	U
WG	W-9	448104003	4/13/2018	Cr-51	-2.04E+00	9.25E+00	3.11E+01	U
WG	W-9	448104003	4/13/2018	Cs-134	-3.88E-01	1.18E+00	3.54E+00	U
WG	W-9	448104003	4/13/2018	Cs-137	-1.21E+00	1.47E+00	4.62E+00	U
WG	W-9	448104003	4/13/2018	Fe-59	-9.86E-02	2.50E+00	8.36E+00	U
WG	W-9	448104003	4/13/2018	H-3	2.56E+02	4.00E+02	1.28E+03	U
WG	W-9	448104003	4/13/2018	I-131	-2.01E+00	2.00E+00	6.18E+00	U
WG	W-9	448104003	4/13/2018	K-40	9.19E+00	2.11E+01	2.87E+01	U
WG	W-9	448104003	4/13/2018	La-140	-2.70E+00	1.83E+00	4.03E+00	U
WG	W-9	448104003	4/13/2018	Mn-54	9.85E-01	1.02E+00	3.50E+00	U
WG	W-9	448104003	4/13/2018	Nb-95	8.77E-03	1.15E+00	3.68E+00	U
WG	W-9	448104003	4/13/2018	Ru-103	2.26E-03	1.26E+00	4.18E+00	U
WG	W-9	448104003	4/13/2018	Ru-106	4.40E+00	8.66E+00	2.95E+01	U
WG	W-9	448104003	4/13/2018	Sb-124	-1.02E+00	2.13E+00	6.16E+00	U
WG	W-9	448104003	4/13/2018	Sb-125	1.80E-01	2.84E+00	9.55E+00	U
WG	W-9	448104003	4/13/2018	Se-75	-1.66E+00	1.57E+00	4.38E+00	U
WG	W-9	448104003	4/13/2018	Th-228	4.48E+00	3.34E+00	8.63E+00	U
WG	W-9	448104003	4/13/2018	Zn-65	2.10E+00	2.50E+00	8.85E+00	U
WG	W-9	448104003	4/13/2018	Zr-95	1.02E+00	1.70E+00	5.80E+00	U
WG	W-10	448104004	4/13/2018	Ac-228	-6.32E+00	6.37E+00	1.82E+01	U
WG	W-10	448104004	4/13/2018	Ag-108m	2.45E-01	1.30E+00	4.22E+00	U
WG	W-10	448104004	4/13/2018	Ag-110m	-2.49E+00	1.97E+00	5.57E+00	U
WG	W-10	448104004	4/13/2018	Ba-140	-4.83E+00	6.30E+00	1.83E+01	U
WG	W-10	448104004	4/13/2018	Be-7	-2.60E-01	1.08E+01	3.47E+01	U
WG	W-10	448104004	4/13/2018	Ce-141	7.89E-01	2.54E+00	7.89E+00	U
WG	W-10	448104004	4/13/2018	Ce-144	-9.53E+00	1.01E+01	3.16E+01	U
WG	W-10	448104004	4/13/2018	Co-57	-5.44E-01	1.25E+00	4.09E+00	U
WG	W-10	448104004	4/13/2018	Co-58	9.55E-01	1.18E+00	4.19E+00	U
WG	W-10	448104004	4/13/2018	Co-60	-2.65E-01	1.38E+00	4.42E+00	U
WG	W-10	448104004	4/13/2018	Cr-51	-7.51E+00	1.13E+01	3.49E+01	U
WG	W-10	448104004	4/13/2018	Cs-134	-1.21E+00	1.48E+00	4.17E+00	U
WG	W-10	448104004	4/13/2018	Cs-137	-2.05E+00	1.66E+00	4.29E+00	U
WG	W-10	448104004	4/13/2018	Fe-59	-4.75E+00	2.66E+00	6.04E+00	U
WG	W-10	448104004	4/13/2018	H-3	-1.64E+02	3.67E+02	1.23E+03	U
WG	W-10	448104004	4/13/2018	I-131	-2.07E-01	2.18E+00	7.02E+00	U
WG	W-10	448104004	4/13/2018	K-40	-1.68E+01	2.01E+01	5.99E+01	U
WG	W-10	448104004	4/13/2018	La-140	-2.50E+00	2.20E+00	5.68E+00	U
WG	W-10	448104004	4/13/2018	Mn-54	2.59E-01	1.13E+00	3.43E+00	U
WG	W-10	448104004	4/13/2018	Nb-95	-1.29E+00	1.46E+00	4.46E+00	U
WG	W-10	448104004	4/13/2018	Ru-103	3.82E-01	1.40E+00	4.55E+00	U
WG	W-10	448104004	4/13/2018	Ru-106	-3.83E+00	1.08E+01	3.54E+01	U
WG	W-10	448104004	4/13/2018	Sb-124	1.82E+00	3.37E+00	1.16E+01	U
WG	W-10	448104004	4/13/2018	Sb-125	-1.97E+00	3.42E+00	1.04E+01	U
WG	W-10	448104004	4/13/2018	Se-75	-5.30E-01	1.54E+00	4.93E+00	U
WG	W-10	448104004	4/13/2018	Th-228	-5.51E+00	2.93E+00	7.68E+00	U
WG	W-10	448104004	4/13/2018	Zn-65	-1.53E+00	2.76E+00	8.55E+00	U
WG	W-10	448104004	4/13/2018	Zr-95	-2.16E+00	2.30E+00	6.83E+00	U
WG	MW-20	448104006	4/13/2018	Ac-228	9.17E+00	4.98E+00	1.24E+01	U
WG	MW-20	448104006	4/13/2018	Ag-108m	-6.13E-01	9.05E-01	2.81E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-20	448104006	4/13/2018	Ag-110m	-2.64E-01	1.43E+00	4.73E+00	U
WG	MW-20	448104006	4/13/2018	Ba-140	6.97E+00	6.21E+00	1.97E+01	U
WG	MW-20	448104006	4/13/2018	Be-7	7.63E-01	8.23E+00	2.74E+01	U
WG	MW-20	448104006	4/13/2018	Ce-141	-6.94E+00	2.79E+00	5.89E+00	U
WG	MW-20	448104006	4/13/2018	Ce-144	-6.81E+00	8.37E+00	2.55E+01	U
WG	MW-20	448104006	4/13/2018	Co-57	-9.68E-01	1.04E+00	3.14E+00	U
WG	MW-20	448104006	4/13/2018	Co-58	-3.56E-01	8.19E-01	2.63E+00	U
WG	MW-20	448104006	4/13/2018	Co-60	8.37E-01	1.09E+00	3.88E+00	U
WG	MW-20	448104006	4/13/2018	Cr-51	1.15E+00	1.03E+01	3.52E+01	U
WG	MW-20	448104006	4/13/2018	Cs-134	1.26E+00	1.30E+00	4.41E+00	U
WG	MW-20	448104006	4/13/2018	Cs-137	5.76E-01	1.06E+00	3.57E+00	U
WG	MW-20	448104006	4/13/2018	Fe-59	1.86E+00	2.21E+00	7.86E+00	U
WG	MW-20	448104006	4/13/2018	H-3	4.30E+02	4.09E+02	1.27E+03	U
WG	MW-20	448104006	4/13/2018	I-131	1.40E+00	2.11E+00	7.25E+00	U
WG	MW-20	448104006	4/13/2018	K-40	-6.02E+00	1.53E+01	5.22E+01	U
WG	MW-20	448104006	4/13/2018	La-140	-2.57E-01	2.29E+00	7.27E+00	U
WG	MW-20	448104006	4/13/2018	Mn-54	1.15E-01	8.08E-01	2.79E+00	U
WG	MW-20	448104006	4/13/2018	Nb-95	1.22E+00	1.16E+00	3.97E+00	U
WG	MW-20	448104006	4/13/2018	Ru-103	1.70E-01	1.07E+00	3.58E+00	U
WG	MW-20	448104006	4/13/2018	Ru-106	9.81E+00	1.09E+01	3.69E+01	U
WG	MW-20	448104006	4/13/2018	Sb-124	-1.97E-01	1.66E+00	5.13E+00	U
WG	MW-20	448104006	4/13/2018	Sb-125	-3.95E+00	3.09E+00	8.86E+00	U
WG	MW-20	448104006	4/13/2018	Se-75	8.29E-01	1.62E+00	5.63E+00	U
WG	MW-20	448104006	4/13/2018	Th-228	7.59E-02	3.48E+00	8.41E+00	U
WG	MW-20	448104006	4/13/2018	Zn-65	-3.25E+00	2.71E+00	5.93E+00	U
WG	MW-20	448104006	4/13/2018	Zr-95	-2.32E+00	1.95E+00	5.06E+00	U
WG	MW-21	448104007	4/13/2018	Ac-228	9.96E+00	6.08E+00	1.49E+01	U
WG	MW-21	448104007	4/13/2018	Ag-108m	4.62E-01	9.85E-01	3.40E+00	U
WG	MW-21	448104007	4/13/2018	Ag-110m	-4.57E-02	1.14E+00	3.28E+00	U
WG	MW-21	448104007	4/13/2018	Ba-140	-3.64E+00	4.93E+00	1.54E+01	U
WG	MW-21	448104007	4/13/2018	Be-7	-7.05E+00	8.41E+00	2.62E+01	U
WG	MW-21	448104007	4/13/2018	Ce-141	-4.19E+00	2.23E+00	5.83E+00	U
WG	MW-21	448104007	4/13/2018	Ce-144	2.75E+01	1.12E+01	2.30E+01	UI
WG	MW-21	448104007	4/13/2018	Co-57	-1.02E+00	1.05E+00	3.01E+00	U
WG	MW-21	448104007	4/13/2018	Co-58	3.87E-01	1.02E+00	3.44E+00	U
WG	MW-21	448104007	4/13/2018	Co-60	-2.27E-01	8.89E-01	2.92E+00	U
WG	MW-21	448104007	4/13/2018	Cr-51	1.04E+01	1.03E+01	3.61E+01	U
WG	MW-21	448104007	4/13/2018	Cs-134	5.91E-01	1.00E+00	3.44E+00	U
WG	MW-21	448104007	4/13/2018	Cs-137	1.52E+00	1.13E+00	3.92E+00	U
WG	MW-21	448104007	4/13/2018	Fe-59	-1.88E+00	2.26E+00	5.38E+00	U
WG	MW-21	448104007	4/13/2018	H-3	3.92E+01	3.89E+02	1.27E+03	U
WG	MW-21	448104007	4/13/2018	I-131	-1.19E+00	1.93E+00	6.33E+00	U
WG	MW-21	448104007	4/13/2018	K-40	-9.40E+00	1.51E+01	5.57E+01	U
WG	MW-21	448104007	4/13/2018	La-140	1.82E+00	1.29E+00	4.99E+00	U
WG	MW-21	448104007	4/13/2018	Mn-54	-1.90E+00	1.19E+00	3.06E+00	U
WG	MW-21	448104007	4/13/2018	Nb-95	5.60E-01	9.27E-01	3.18E+00	U
WG	MW-21	448104007	4/13/2018	Ru-103	-1.18E+00	1.06E+00	3.17E+00	U
WG	MW-21	448104007	4/13/2018	Ru-106	1.34E+01	9.02E+00	3.15E+01	U
WG	MW-21	448104007	4/13/2018	Sb-124	-4.46E-01	2.77E+00	8.86E+00	U
WG	MW-21	448104007	4/13/2018	Sb-125	-8.65E-01	2.62E+00	8.65E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-21	448104007	4/13/2018	Se-75	1.50E+00	1.46E+00	4.70E+00	U
WG	MW-21	448104007	4/13/2018	Th-228	3.10E+00	3.73E+00	7.52E+00	U
WG	MW-21	448104007	4/13/2018	Zn-65	-2.08E+00	2.68E+00	6.64E+00	U
WG	MW-21	448104007	4/13/2018	Zr-95	9.60E-01	1.73E+00	5.94E+00	U
WG	W-12	448481004	4/17/2018	Ac-228	-6.81E+00	5.55E+00	1.56E+01	U
WG	W-12	448481004	4/17/2018	Ag-108m	-8.29E-01	9.84E-01	2.64E+00	U
WG	W-12	448481004	4/17/2018	Ag-110m	1.11E+00	1.46E+00	5.00E+00	U
WG	W-12	448481004	4/17/2018	Ba-140	1.44E+00	6.04E+00	2.04E+01	U
WG	W-12	448481004	4/17/2018	Be-7	-7.59E+00	9.23E+00	2.82E+01	U
WG	W-12	448481004	4/17/2018	Ce-141	-2.44E+00	2.42E+00	6.73E+00	U
WG	W-12	448481004	4/17/2018	Ce-144	1.66E+00	7.19E+00	2.36E+01	U
WG	W-12	448481004	4/17/2018	Co-57	6.77E-01	1.01E+00	3.36E+00	U
WG	W-12	448481004	4/17/2018	Co-58	-1.53E+00	1.22E+00	3.18E+00	U
WG	W-12	448481004	4/17/2018	Co-60	1.07E+00	1.16E+00	4.22E+00	U
WG	W-12	448481004	4/17/2018	Cr-51	-1.88E+01	9.59E+00	2.44E+01	U
WG	W-12	448481004	4/17/2018	Cs-134	1.75E+00	1.54E+00	4.11E+00	U
WG	W-12	448481004	4/17/2018	Cs-137	-6.25E-02	1.14E+00	3.68E+00	U
WG	W-12	448481004	4/17/2018	Fe-59	2.08E+00	1.87E+00	6.98E+00	U
WG	W-12	448481004	4/17/2018	H-3	3.43E+02	4.13E+02	1.30E+03	U
WG	W-12	448481004	4/17/2018	I-131	-6.69E-02	2.52E+00	8.53E+00	U
WG	W-12	448481004	4/17/2018	K-40	-1.74E+01	1.72E+01	5.70E+01	U
WG	W-12	448481004	4/17/2018	La-140	-5.98E-01	2.27E+00	7.15E+00	U
WG	W-12	448481004	4/17/2018	Mn-54	-3.90E-01	1.18E+00	3.63E+00	U
WG	W-12	448481004	4/17/2018	Nb-95	-4.12E-01	9.54E-01	2.89E+00	U
WG	W-12	448481004	4/17/2018	Ru-103	-7.28E-01	1.17E+00	3.44E+00	U
WG	W-12	448481004	4/17/2018	Ru-106	3.39E+00	9.37E+00	3.17E+01	U
WG	W-12	448481004	4/17/2018	Sb-124	-4.69E+00	3.40E+00	8.04E+00	U
WG	W-12	448481004	4/17/2018	Sb-125	2.18E+00	2.52E+00	8.90E+00	U
WG	W-12	448481004	4/17/2018	Se-75	-5.39E-01	1.51E+00	4.58E+00	U
WG	W-12	448481004	4/17/2018	Th-228	7.53E+00	3.45E+00	5.57E+00	UI
WG	W-12	448481004	4/17/2018	Zn-65	-1.59E+00	2.90E+00	9.40E+00	U
WG	W-12	448481004	4/17/2018	Zr-95	9.22E-01	2.18E+00	7.31E+00	U
WG	W-13	448481005	4/17/2018	Ac-228	-5.76E+00	6.20E+00	1.88E+01	U
WG	W-13	448481005	4/17/2018	Ag-108m	-2.18E+00	1.16E+00	2.81E+00	U
WG	W-13	448481005	4/17/2018	Ag-110m	-1.71E+00	1.93E+00	5.43E+00	U
WG	W-13	448481005	4/17/2018	Ba-140	9.36E+00	6.96E+00	2.44E+01	U
WG	W-13	448481005	4/17/2018	Be-7	5.86E+00	1.17E+01	3.98E+01	U
WG	W-13	448481005	4/17/2018	Ce-141	-2.18E+00	2.64E+00	8.61E+00	U
WG	W-13	448481005	4/17/2018	Ce-144	-2.69E+00	8.93E+00	3.02E+01	U
WG	W-13	448481005	4/17/2018	Co-57	-2.93E-01	1.12E+00	3.80E+00	U
WG	W-13	448481005	4/17/2018	Co-58	-1.95E+00	1.41E+00	3.56E+00	U
WG	W-13	448481005	4/17/2018	Co-60	1.14E+00	1.20E+00	4.48E+00	U
WG	W-13	448481005	4/17/2018	Cr-51	-1.71E+01	1.37E+01	4.07E+01	U
WG	W-13	448481005	4/17/2018	Cs-134	1.31E+00	1.32E+00	4.64E+00	U
WG	W-13	448481005	4/17/2018	Cs-137	-4.63E-01	1.49E+00	4.72E+00	U
WG	W-13	448481005	4/17/2018	Fe-59	-2.48E+00	3.73E+00	1.02E+01	U
WG	W-13	448481005	4/17/2018	H-3	2.29E+02	4.06E+02	1.30E+03	U
WG	W-13	448481005	4/17/2018	I-131	-3.58E+00	2.72E+00	7.79E+00	U
WG	W-13	448481005	4/17/2018	K-40	5.54E-01	1.83E+01	6.58E+01	U
WG	W-13	448481005	4/17/2018	La-140	-1.05E+00	2.81E+00	8.94E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-13	448481005	4/17/2018	Mn-54	-1.95E+00	1.60E+00	4.35E+00	U
WG	W-13	448481005	4/17/2018	Nb-95	3.43E+00	1.74E+00	3.55E+00	U
WG	W-13	448481005	4/17/2018	Ru-103	-5.19E-01	1.38E+00	4.39E+00	U
WG	W-13	448481005	4/17/2018	Ru-106	4.15E+00	1.07E+01	3.62E+01	U
WG	W-13	448481005	4/17/2018	Sb-124	-2.29E+00	3.65E+00	1.10E+01	U
WG	W-13	448481005	4/17/2018	Sb-125	-1.12E+00	3.50E+00	1.13E+01	U
WG	W-13	448481005	4/17/2018	Se-75	-1.77E+00	1.91E+00	5.98E+00	U
WG	W-13	448481005	4/17/2018	Th-228	-2.50E+00	2.85E+00	9.26E+00	U
WG	W-13	448481005	4/17/2018	Zn-65	-5.10E-01	2.23E+00	6.78E+00	U
WG	W-13	448481005	4/17/2018	Zr-95	-5.11E-01	2.17E+00	6.83E+00	U
WG	W-14	448481006	4/17/2018	Ac-228	-8.15E+00	6.41E+00	1.92E+01	U
WG	W-14	448481006	4/17/2018	Ag-108m	-1.13E+00	1.27E+00	3.29E+00	U
WG	W-14	448481006	4/17/2018	Ag-110m	1.24E+00	1.59E+00	5.62E+00	U
WG	W-14	448481006	4/17/2018	Ba-140	2.92E+00	5.77E+00	1.94E+01	U
WG	W-14	448481006	4/17/2018	Be-7	-7.11E+00	1.25E+01	3.85E+01	U
WG	W-14	448481006	4/17/2018	Ce-141	3.86E-01	2.48E+00	7.19E+00	U
WG	W-14	448481006	4/17/2018	Ce-144	2.91E+00	9.30E+00	2.95E+01	U
WG	W-14	448481006	4/17/2018	Co-57	-2.62E+00	1.49E+00	3.52E+00	U
WG	W-14	448481006	4/17/2018	Co-58	-9.03E-01	1.12E+00	3.39E+00	U
WG	W-14	448481006	4/17/2018	Co-60	-1.11E+00	1.47E+00	4.22E+00	U
WG	W-14	448481006	4/17/2018	Cr-51	2.85E+00	1.22E+01	4.11E+01	U
WG	W-14	448481006	4/17/2018	Cs-134	6.70E-01	1.20E+00	4.23E+00	U
WG	W-14	448481006	4/17/2018	Cs-137	-5.91E-01	1.44E+00	4.36E+00	U
WG	W-14	448481006	4/17/2018	Fe-59	-5.92E-01	2.67E+00	8.55E+00	U
WG	W-14	448481006	4/17/2018	H-3	3.82E+02	4.14E+02	1.30E+03	U
WG	W-14	448481006	4/17/2018	I-131	1.77E+00	2.80E+00	9.49E+00	U
WG	W-14	448481006	4/17/2018	K-40	3.55E+00	1.76E+01	6.07E+01	U
WG	W-14	448481006	4/17/2018	La-140	2.89E+00	2.58E+00	9.49E+00	U
WG	W-14	448481006	4/17/2018	Mn-54	-1.50E+00	1.05E+00	2.71E+00	U
WG	W-14	448481006	4/17/2018	Nb-95	1.88E-01	1.34E+00	4.57E+00	U
WG	W-14	448481006	4/17/2018	Ru-103	-2.83E-01	1.38E+00	3.89E+00	U
WG	W-14	448481006	4/17/2018	Ru-106	-6.60E+00	1.10E+01	3.26E+01	U
WG	W-14	448481006	4/17/2018	Sb-124	-7.71E-01	4.11E+00	1.35E+01	U
WG	W-14	448481006	4/17/2018	Sb-125	9.77E-01	3.13E+00	1.04E+01	U
WG	W-14	448481006	4/17/2018	Se-75	2.96E-01	1.59E+00	5.41E+00	U
WG	W-14	448481006	4/17/2018	Th-228	2.22E+00	3.07E+00	1.05E+01	U
WG	W-14	448481006	4/17/2018	Zn-65	-6.31E-01	3.34E+00	9.35E+00	U
WG	W-14	448481006	4/17/2018	Zr-95	1.06E+00	2.25E+00	7.85E+00	U
WG	W-15	448481007	4/17/2018	Ac-228	2.75E+01	1.08E+01	2.24E+01	UI
WG	W-15	448481007	4/17/2018	Ag-108m	2.80E-02	9.37E-01	3.11E+00	U
WG	W-15	448481007	4/17/2018	Ag-110m	-1.28E+00	1.60E+00	4.87E+00	U
WG	W-15	448481007	4/17/2018	Ba-140	1.11E+01	7.27E+00	2.49E+01	U
WG	W-15	448481007	4/17/2018	Be-7	-1.24E+01	1.13E+01	3.28E+01	U
WG	W-15	448481007	4/17/2018	Ce-141	-4.18E-01	2.03E+00	5.88E+00	U
WG	W-15	448481007	4/17/2018	Ce-144	7.82E-01	6.95E+00	2.24E+01	U
WG	W-15	448481007	4/17/2018	Co-57	-1.44E-01	9.73E-01	3.11E+00	U
WG	W-15	448481007	4/17/2018	Co-58	3.74E-01	1.05E+00	3.66E+00	U
WG	W-15	448481007	4/17/2018	Co-60	4.41E-02	1.04E+00	3.41E+00	U
WG	W-15	448481007	4/17/2018	Cr-51	-1.01E+01	1.16E+01	3.19E+01	U
WG	W-15	448481007	4/17/2018	Cs-134	-1.83E+00	1.36E+00	3.83E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-15	448481007	4/17/2018	Cs-137	9.57E-01	1.15E+00	3.91E+00	U
WG	W-15	448481007	4/17/2018	Fe-59	-1.71E+00	2.74E+00	8.40E+00	U
WG	W-15	448481007	4/17/2018	H-3	5.53E+01	3.86E+02	1.26E+03	U
WG	W-15	448481007	4/17/2018	I-131	-1.05E+00	2.23E+00	7.19E+00	U
WG	W-15	448481007	4/17/2018	K-40	-2.50E+01	1.81E+01	5.38E+01	U
WG	W-15	448481007	4/17/2018	La-140	-2.33E+00	2.05E+00	4.87E+00	U
WG	W-15	448481007	4/17/2018	Mn-54	-1.21E+00	1.14E+00	3.37E+00	U
WG	W-15	448481007	4/17/2018	Nb-95	5.33E-01	1.28E+00	4.22E+00	U
WG	W-15	448481007	4/17/2018	Ru-103	-1.61E+00	1.17E+00	3.15E+00	U
WG	W-15	448481007	4/17/2018	Ru-106	3.51E+01	1.27E+01	3.64E+01	U
WG	W-15	448481007	4/17/2018	Sb-124	-7.47E-01	2.14E+00	6.71E+00	U
WG	W-15	448481007	4/17/2018	Sb-125	-3.19E-01	2.59E+00	8.48E+00	U
WG	W-15	448481007	4/17/2018	Se-75	-1.50E+00	1.40E+00	4.35E+00	U
WG	W-15	448481007	4/17/2018	Th-228	-3.13E+00	2.62E+00	8.03E+00	U
WG	W-15	448481007	4/17/2018	Zn-65	2.45E-01	2.52E+00	8.40E+00	U
WG	W-15	448481007	4/17/2018	Zr-95	-1.60E+00	2.01E+00	5.63E+00	U
WG	SG-1	448481008	4/17/2018	Ac-228	-1.30E+01	7.15E+00	1.73E+01	U
WG	SG-1	448481008	4/17/2018	Ag-108m	1.81E-01	1.25E+00	4.06E+00	U
WG	SG-1	448481008	4/17/2018	Ag-110m	8.83E-01	1.65E+00	5.77E+00	U
WG	SG-1	448481008	4/17/2018	ALPHA	3.36E+00	1.58E+00	4.52E+00	UDL
WG	SG-1	448481008	4/17/2018	Ba-140	1.90E+01	1.23E+01	2.29E+01	U
WG	SG-1	448481008	4/17/2018	Be-7	5.42E+00	1.19E+01	3.91E+01	U
WG	SG-1	448481008	4/17/2018	BETA	5.40E+00	1.22E+00	3.40E+00	
WG	SG-1	448481008	4/17/2018	Ce-141	-4.45E+00	2.77E+00	7.34E+00	U
WG	SG-1	448481008	4/17/2018	Ce-144	-4.85E+00	8.65E+00	2.80E+01	U
WG	SG-1	448481008	4/17/2018	Co-57	-4.62E-01	1.18E+00	3.87E+00	U
WG	SG-1	448481008	4/17/2018	Co-58	6.20E-01	1.24E+00	4.33E+00	U
WG	SG-1	448481008	4/17/2018	Co-60	9.80E-01	1.16E+00	4.16E+00	U
WG	SG-1	448481008	4/17/2018	Cr-51	-3.82E+00	1.32E+01	3.74E+01	U
WG	SG-1	448481008	4/17/2018	Cs-134	1.17E+00	1.54E+00	5.41E+00	U
WG	SG-1	448481008	4/17/2018	Cs-137	-5.08E-01	1.30E+00	4.27E+00	U
WG	SG-1	448481008	4/17/2018	Fe-59	4.11E+00	2.38E+00	8.38E+00	U
WG	SG-1	448481008	4/17/2018	H-3	-3.40E+02	3.81E+02	1.31E+03	U
WG	SG-1	448481008	4/17/2018	I-131	2.66E+00	2.48E+00	8.36E+00	U
WG	SG-1	448481008	4/17/2018	K-40	1.13E+01	1.78E+01	3.23E+01	U
WG	SG-1	448481008	4/17/2018	La-140	2.31E+00	2.03E+00	7.47E+00	U
WG	SG-1	448481008	4/17/2018	Mn-54	1.07E+00	1.17E+00	4.15E+00	U
WG	SG-1	448481008	4/17/2018	Nb-95	2.12E+00	1.60E+00	5.17E+00	U
WG	SG-1	448481008	4/17/2018	Ru-103	-2.81E+00	1.68E+00	4.25E+00	U
WG	SG-1	448481008	4/17/2018	Ru-106	-2.31E+01	1.34E+01	3.59E+01	U
WG	SG-1	448481008	4/17/2018	Sb-124	3.66E+00	3.51E+00	1.25E+01	U
WG	SG-1	448481008	4/17/2018	Sb-125	1.00E+00	3.74E+00	1.22E+01	U
WG	SG-1	448481008	4/17/2018	Se-75	1.08E+00	1.66E+00	5.56E+00	U
WG	SG-1	448481008	4/17/2018	Th-228	-7.80E-01	2.77E+00	9.01E+00	U
WG	SG-1	448481008	4/17/2018	Zn-65	6.95E+00	2.58E+00	5.14E+00	UI
WG	SG-1	448481008	4/17/2018	Zr-95	-3.00E+00	2.30E+00	6.42E+00	U
WG	SG-4	448481009	4/17/2018	Ac-228	1.41E-01	7.44E+00	1.35E+01	U
WG	SG-4	448481009	4/17/2018	Ag-108m	-1.04E+00	1.17E+00	3.11E+00	U
WG	SG-4	448481009	4/17/2018	Ag-110m	-4.77E-01	1.30E+00	4.21E+00	U
WG	SG-4	448481009	4/17/2018	ALPHA	1.87E+00	8.77E-01	2.41E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-4	448481009	4/17/2018	Ba-140	6.86E+00	6.68E+00	2.29E+01	U
WG	SG-4	448481009	4/17/2018	Be-7	-1.36E+00	8.75E+00	2.85E+01	U
WG	SG-4	448481009	4/17/2018	BETA	1.17E+01	1.37E+00	2.48E+00	
WG	SG-4	448481009	4/17/2018	Ce-141	-4.78E+00	2.41E+00	6.10E+00	U
WG	SG-4	448481009	4/17/2018	Ce-144	3.47E+00	7.91E+00	2.59E+01	U
WG	SG-4	448481009	4/17/2018	Co-57	-5.82E-01	9.97E-01	3.11E+00	U
WG	SG-4	448481009	4/17/2018	Co-58	9.03E-01	9.65E-01	3.50E+00	U
WG	SG-4	448481009	4/17/2018	Co-60	7.56E-01	1.16E+00	4.06E+00	U
WG	SG-4	448481009	4/17/2018	Cr-51	2.75E+00	1.03E+01	3.53E+01	U
WG	SG-4	448481009	4/17/2018	Cs-134	6.49E-01	1.32E+00	4.37E+00	U
WG	SG-4	448481009	4/17/2018	Cs-137	6.73E-01	1.15E+00	3.88E+00	U
WG	SG-4	448481009	4/17/2018	Fe-59	1.32E+00	2.07E+00	7.32E+00	U
WG	SG-4	448481009	4/17/2018	H-3	3.86E+02	4.16E+02	1.30E+03	U
WG	SG-4	448481009	4/17/2018	I-131	1.55E+00	2.18E+00	7.54E+00	U
WG	SG-4	448481009	4/17/2018	K-40	2.39E+01	1.86E+01	3.46E+01	U
WG	SG-4	448481009	4/17/2018	La-140	-7.26E-01	2.19E+00	6.68E+00	U
WG	SG-4	448481009	4/17/2018	Mn-54	6.92E-01	1.01E+00	3.58E+00	U
WG	SG-4	448481009	4/17/2018	Nb-95	-1.66E+00	1.14E+00	2.75E+00	U
WG	SG-4	448481009	4/17/2018	Ru-103	-4.66E-01	1.28E+00	4.09E+00	U
WG	SG-4	448481009	4/17/2018	Ru-106	-1.04E+01	1.02E+01	2.89E+01	U
WG	SG-4	448481009	4/17/2018	Sb-124	-4.82E-01	2.68E+00	8.31E+00	U
WG	SG-4	448481009	4/17/2018	Sb-125	1.45E+00	3.55E+00	1.09E+01	U
WG	SG-4	448481009	4/17/2018	Se-75	-2.41E-01	1.44E+00	4.90E+00	U
WG	SG-4	448481009	4/17/2018	Th-228	-1.58E+00	2.75E+00	8.23E+00	U
WG	SG-4	448481009	4/17/2018	Zn-65	3.91E+00	2.26E+00	8.24E+00	U
WG	SG-4	448481009	4/17/2018	Zr-95	-1.08E-01	2.21E+00	6.99E+00	U
WG	SG-5	448481010	4/17/2018	Ac-228	8.83E+00	6.74E+00	1.65E+01	U
WG	SG-5	448481010	4/17/2018	Ag-108m	-4.01E-02	8.97E-01	2.98E+00	U
WG	SG-5	448481010	4/17/2018	Ag-110m	-1.70E+00	1.38E+00	3.54E+00	U
WG	SG-5	448481010	4/17/2018	ALPHA	2.01E+00	8.65E-01	2.32E+00	U
WG	SG-5	448481010	4/17/2018	Ba-140	1.33E+01	6.21E+00	2.09E+01	U
WG	SG-5	448481010	4/17/2018	Be-7	4.55E+00	8.31E+00	2.84E+01	U
WG	SG-5	448481010	4/17/2018	BETA	1.11E+01	1.21E+00	2.03E+00	
WG	SG-5	448481010	4/17/2018	Ce-141	-4.72E-01	1.87E+00	5.85E+00	U
WG	SG-5	448481010	4/17/2018	Ce-144	-7.13E+00	7.01E+00	2.06E+01	U
WG	SG-5	448481010	4/17/2018	Co-57	2.11E-01	9.41E-01	2.95E+00	U
WG	SG-5	448481010	4/17/2018	Co-58	4.52E-01	9.55E-01	2.90E+00	U
WG	SG-5	448481010	4/17/2018	Co-60	2.21E+00	1.25E+00	4.12E+00	U
WG	SG-5	448481010	4/17/2018	Cr-51	-1.38E+00	9.54E+00	3.20E+01	U
WG	SG-5	448481010	4/17/2018	Cs-134	7.80E-02	1.12E+00	3.61E+00	U
WG	SG-5	448481010	4/17/2018	Cs-137	1.68E+00	9.88E-01	3.45E+00	U
WG	SG-5	448481010	4/17/2018	Fe-59	-5.39E-01	2.04E+00	5.76E+00	U
WG	SG-5	448481010	4/17/2018	H-3	1.82E+02	4.01E+02	1.29E+03	U
WG	SG-5	448481010	4/17/2018	I-131	2.67E+00	2.07E+00	7.16E+00	U
WG	SG-5	448481010	4/17/2018	K-40	2.17E+00	1.69E+01	6.01E+01	U
WG	SG-5	448481010	4/17/2018	La-140	-1.72E+00	2.12E+00	6.04E+00	U
WG	SG-5	448481010	4/17/2018	Mn-54	-1.80E-01	9.96E-01	3.11E+00	U
WG	SG-5	448481010	4/17/2018	Nb-95	2.07E-01	1.13E+00	3.68E+00	U
WG	SG-5	448481010	4/17/2018	Ru-103	-3.71E-01	1.05E+00	2.98E+00	U
WG	SG-5	448481010	4/17/2018	Ru-106	3.40E+00	9.93E+00	2.98E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-5	448481010	4/17/2018	Sb-124	-1.52E+00	1.50E+00	3.23E+00	U
WG	SG-5	448481010	4/17/2018	Sb-125	-1.04E+00	2.66E+00	8.58E+00	U
WG	SG-5	448481010	4/17/2018	Se-75	9.13E-01	1.39E+00	4.82E+00	U
WG	SG-5	448481010	4/17/2018	Th-228	-1.14E+00	2.14E+00	6.63E+00	U
WG	SG-5	448481010	4/17/2018	Zn-65	-2.02E-01	2.27E+00	6.61E+00	U
WG	SG-5	448481010	4/17/2018	Zr-95	-4.07E-02	1.95E+00	6.25E+00	U
WG	W-4	448481001	4/19/2018	Ac-228	1.28E+01	6.40E+00	1.93E+01	U
WG	W-4	448481001	4/19/2018	Ag-108m	1.11E+00	9.91E-01	3.44E+00	U
WG	W-4	448481001	4/19/2018	Ag-110m	1.90E-01	1.55E+00	5.11E+00	U
WG	W-4	448481001	4/19/2018	Ba-140	1.81E+01	1.30E+01	1.48E+01	UI
WG	W-4	448481001	4/19/2018	Be-7	-8.38E+00	9.26E+00	2.87E+01	U
WG	W-4	448481001	4/19/2018	Ce-141	-6.90E+00	2.82E+00	6.24E+00	U
WG	W-4	448481001	4/19/2018	Ce-144	-6.38E+00	7.99E+00	2.44E+01	U
WG	W-4	448481001	4/19/2018	Co-57	1.26E+00	1.02E+00	3.30E+00	U
WG	W-4	448481001	4/19/2018	Co-58	-1.63E-01	1.00E+00	3.23E+00	U
WG	W-4	448481001	4/19/2018	Co-60	-1.15E-01	1.11E+00	3.75E+00	U
WG	W-4	448481001	4/19/2018	Cr-51	1.17E+01	1.05E+01	3.65E+01	U
WG	W-4	448481001	4/19/2018	Cs-134	-4.18E-01	9.38E-01	2.90E+00	U
WG	W-4	448481001	4/19/2018	Cs-137	1.52E+00	1.10E+00	3.59E+00	U
WG	W-4	448481001	4/19/2018	Fe-59	-1.17E+00	2.18E+00	6.51E+00	U
WG	W-4	448481001	4/19/2018	H-3	4.51E+02	4.16E+02	1.29E+03	U
WG	W-4	448481001	4/19/2018	I-131	-3.22E+00	2.00E+00	5.71E+00	U
WG	W-4	448481001	4/19/2018	K-40	1.32E+01	1.74E+01	3.74E+01	U
WG	W-4	448481001	4/19/2018	La-140	-1.72E-01	1.52E+00	5.04E+00	U
WG	W-4	448481001	4/19/2018	Mn-54	1.69E-01	9.35E-01	3.11E+00	U
WG	W-4	448481001	4/19/2018	Nb-95	-3.33E-01	1.30E+00	3.71E+00	U
WG	W-4	448481001	4/19/2018	Ru-103	-2.12E+00	1.16E+00	3.04E+00	U
WG	W-4	448481001	4/19/2018	Ru-106	8.94E+00	9.59E+00	3.32E+01	U
WG	W-4	448481001	4/19/2018	Sb-124	-4.47E+00	3.12E+00	8.15E+00	U
WG	W-4	448481001	4/19/2018	Sb-125	1.76E+00	2.93E+00	1.02E+01	U
WG	W-4	448481001	4/19/2018	Se-75	2.05E-02	1.48E+00	4.62E+00	U
WG	W-4	448481001	4/19/2018	Th-228	-6.44E+00	2.97E+00	7.12E+00	U
WG	W-4	448481001	4/19/2018	Zn-65	-2.22E+00	2.19E+00	5.47E+00	U
WG	W-4	448481001	4/19/2018	Zr-95	-1.97E+00	1.97E+00	5.73E+00	U
WG	W-5	448481002	4/19/2018	Ac-228	-8.91E-01	4.67E+00	1.55E+01	U
WG	W-5	448481002	4/19/2018	Ag-108m	-1.64E+00	1.07E+00	2.91E+00	U
WG	W-5	448481002	4/19/2018	Ag-110m	-8.49E-01	1.58E+00	5.04E+00	U
WG	W-5	448481002	4/19/2018	Ba-140	5.24E+00	5.94E+00	2.07E+01	U
WG	W-5	448481002	4/19/2018	Be-7	-3.25E+00	1.03E+01	3.33E+01	U
WG	W-5	448481002	4/19/2018	Ce-141	1.70E+00	2.06E+00	6.87E+00	U
WG	W-5	448481002	4/19/2018	Ce-144	7.47E+00	6.99E+00	2.35E+01	U
WG	W-5	448481002	4/19/2018	Co-57	-1.31E+00	1.05E+00	3.10E+00	U
WG	W-5	448481002	4/19/2018	Co-58	-2.14E+00	1.39E+00	3.29E+00	U
WG	W-5	448481002	4/19/2018	Co-60	1.57E+00	1.23E+00	4.59E+00	U
WG	W-5	448481002	4/19/2018	Cr-51	1.94E+01	1.16E+01	4.03E+01	U
WG	W-5	448481002	4/19/2018	Cs-134	-1.05E+00	1.27E+00	3.52E+00	U
WG	W-5	448481002	4/19/2018	Cs-137	-1.13E+00	1.14E+00	3.14E+00	U
WG	W-5	448481002	4/19/2018	Fe-59	-3.41E+00	2.74E+00	7.36E+00	U
WG	W-5	448481002	4/19/2018	H-3	9.55E+02	4.49E+02	1.30E+03	U
WG	W-5	448481002	4/19/2018	I-131	1.73E+00	1.93E+00	6.81E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	448481002	4/19/2018	K-40	2.50E+00	1.62E+01	5.53E+01	U
WG	W-5	448481002	4/19/2018	La-140	1.50E+00	2.18E+00	7.68E+00	U
WG	W-5	448481002	4/19/2018	Mn-54	-8.76E-01	1.28E+00	3.69E+00	U
WG	W-5	448481002	4/19/2018	Nb-95	6.41E-02	1.42E+00	4.56E+00	U
WG	W-5	448481002	4/19/2018	Ru-103	-3.37E+00	1.39E+00	2.65E+00	U
WG	W-5	448481002	4/19/2018	Ru-106	1.08E+01	1.16E+01	4.00E+01	U
WG	W-5	448481002	4/19/2018	Sb-124	2.67E-01	1.58E+00	5.34E+00	U
WG	W-5	448481002	4/19/2018	Sb-125	-3.09E+00	3.31E+00	1.01E+01	U
WG	W-5	448481002	4/19/2018	Se-75	-6.34E-01	1.60E+00	4.85E+00	U
WG	W-5	448481002	4/19/2018	Th-228	6.86E+00	4.93E+00	8.86E+00	U
WG	W-5	448481002	4/19/2018	Zn-65	-3.43E+00	3.27E+00	7.61E+00	U
WG	W-5	448481002	4/19/2018	Zr-95	-3.03E+00	2.07E+00	4.85E+00	U
WG	W-6	448481003	4/19/2018	Ac-228	-1.29E+00	4.76E+00	1.54E+01	U
WG	W-6	448481003	4/19/2018	Ag-108m	3.20E-01	9.04E-01	3.11E+00	U
WG	W-6	448481003	4/19/2018	Ag-110m	-7.28E-01	1.22E+00	3.59E+00	U
WG	W-6	448481003	4/19/2018	Ba-140	-3.52E+00	3.80E+00	1.11E+01	U
WG	W-6	448481003	4/19/2018	Be-7	2.82E+00	8.27E+00	2.84E+01	U
WG	W-6	448481003	4/19/2018	Ce-141	-1.37E+00	1.95E+00	5.98E+00	U
WG	W-6	448481003	4/19/2018	Ce-144	-8.84E+00	6.92E+00	1.99E+01	U
WG	W-6	448481003	4/19/2018	Co-57	1.28E+00	9.29E-01	3.04E+00	U
WG	W-6	448481003	4/19/2018	Co-58	1.02E+00	1.15E+00	3.94E+00	U
WG	W-6	448481003	4/19/2018	Co-60	-4.10E-01	7.22E-01	2.17E+00	U
WG	W-6	448481003	4/19/2018	Cr-51	7.36E-01	8.59E+00	2.96E+01	U
WG	W-6	448481003	4/19/2018	Cs-134	-4.19E-01	1.02E+00	3.17E+00	U
WG	W-6	448481003	4/19/2018	Cs-137	-2.97E-01	9.32E-01	2.97E+00	U
WG	W-6	448481003	4/19/2018	Fe-59	9.94E-01	2.26E+00	7.50E+00	U
WG	W-6	448481003	4/19/2018	H-3	6.46E+02	4.30E+02	1.30E+03	U
WG	W-6	448481003	4/19/2018	I-131	-9.99E-01	1.62E+00	5.26E+00	U
WG	W-6	448481003	4/19/2018	K-40	-1.77E+01	1.46E+01	4.40E+01	U
WG	W-6	448481003	4/19/2018	La-140	-1.73E+00	1.86E+00	5.27E+00	U
WG	W-6	448481003	4/19/2018	Mn-54	1.04E+00	8.30E-01	2.81E+00	U
WG	W-6	448481003	4/19/2018	Nb-95	-1.69E+00	1.08E+00	2.69E+00	U
WG	W-6	448481003	4/19/2018	Ru-103	-2.91E-01	1.09E+00	3.59E+00	U
WG	W-6	448481003	4/19/2018	Ru-106	9.44E+00	9.69E+00	3.36E+01	U
WG	W-6	448481003	4/19/2018	Sb-124	-1.90E+00	2.39E+00	6.78E+00	U
WG	W-6	448481003	4/19/2018	Sb-125	-1.80E+00	2.78E+00	8.91E+00	U
WG	W-6	448481003	4/19/2018	Se-75	1.10E+00	1.39E+00	4.49E+00	U
WG	W-6	448481003	4/19/2018	Th-228	2.69E+00	2.31E+00	7.55E+00	U
WG	W-6	448481003	4/19/2018	Zn-65	8.72E-01	2.19E+00	6.97E+00	U
WG	W-6	448481003	4/19/2018	Zr-95	-2.52E-01	1.53E+00	4.90E+00	U
WG	W-1	454569001	7/10/2018	Ac-228	-5.12E+00	5.95E+00	1.72E+01	U
WG	W-1	454569001	7/10/2018	Ag-108m	-9.51E-02	1.12E+00	3.49E+00	U
WG	W-1	454569001	7/10/2018	Ag-110m	-1.54E-01	1.45E+00	4.84E+00	U
WG	W-1	454569001	7/10/2018	Ba-140	2.49E+00	5.22E+00	1.62E+01	U
WG	W-1	454569001	7/10/2018	Be-7	-6.88E-01	1.06E+01	3.49E+01	U
WG	W-1	454569001	7/10/2018	Ce-141	-4.03E+00	2.63E+00	6.81E+00	U
WG	W-1	454569001	7/10/2018	Ce-144	-1.11E+01	8.45E+00	2.42E+01	U
WG	W-1	454569001	7/10/2018	Co-57	-6.36E-01	1.03E+00	3.21E+00	U
WG	W-1	454569001	7/10/2018	Co-58	-1.80E-01	1.14E+00	3.81E+00	U
WG	W-1	454569001	7/10/2018	Co-60	-5.04E-01	1.07E+00	3.22E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-1	454569001	7/10/2018	Cr-51	6.82E+00	1.07E+01	3.72E+01	U
WG	W-1	454569001	7/10/2018	Cs-134	3.25E+00	1.88E+00	5.09E+00	U
WG	W-1	454569001	7/10/2018	Cs-137	2.33E+00	1.29E+00	4.40E+00	U
WG	W-1	454569001	7/10/2018	Fe-59	3.50E+00	3.16E+00	7.33E+00	U
WG	W-1	454569001	7/10/2018	H-3	5.43E+02	4.23E+02	1.30E+03	U
WG	W-1	454569001	7/10/2018	I-131	1.49E+00	2.37E+00	8.19E+00	U
WG	W-1	454569001	7/10/2018	K-40	8.12E+00	1.51E+01	5.74E+01	U
WG	W-1	454569001	7/10/2018	La-140	2.91E+00	2.50E+00	8.93E+00	U
WG	W-1	454569001	7/10/2018	Mn-54	1.70E-02	1.10E+00	3.74E+00	U
WG	W-1	454569001	7/10/2018	Nb-95	-9.26E-01	1.22E+00	3.50E+00	U
WG	W-1	454569001	7/10/2018	Ru-103	-7.50E-01	1.18E+00	3.65E+00	U
WG	W-1	454569001	7/10/2018	Ru-106	-5.08E+00	8.49E+00	2.54E+01	U
WG	W-1	454569001	7/10/2018	Sb-124	5.35E+00	3.24E+00	1.19E+01	U
WG	W-1	454569001	7/10/2018	Sb-125	-9.27E+00	3.63E+00	7.25E+00	U
WG	W-1	454569001	7/10/2018	Se-75	-3.67E-01	1.46E+00	4.93E+00	U
WG	W-1	454569001	7/10/2018	Th-228	-2.74E-01	2.68E+00	8.65E+00	U
WG	W-1	454569001	7/10/2018	Zn-65	-1.82E+00	2.44E+00	7.30E+00	U
WG	W-1	454569001	7/10/2018	Zr-95	8.14E+00	3.67E+00	7.10E+00	UI
WG	W-2	454569002	7/10/2018	Ac-228	-6.61E+00	6.70E+00	1.99E+01	U
WG	W-2	454569002	7/10/2018	Ag-108m	-1.98E-01	1.20E+00	3.91E+00	U
WG	W-2	454569002	7/10/2018	Ag-110m	2.51E-01	1.67E+00	5.67E+00	U
WG	W-2	454569002	7/10/2018	Ba-140	5.06E+00	7.30E+00	2.47E+01	U
WG	W-2	454569002	7/10/2018	Be-7	-1.46E+01	1.35E+01	3.98E+01	U
WG	W-2	454569002	7/10/2018	Ce-141	3.76E-01	2.26E+00	7.35E+00	U
WG	W-2	454569002	7/10/2018	Ce-144	2.48E+00	7.15E+00	2.35E+01	U
WG	W-2	454569002	7/10/2018	Co-57	2.43E-01	1.10E+00	3.29E+00	U
WG	W-2	454569002	7/10/2018	Co-58	-1.48E+00	1.33E+00	3.87E+00	U
WG	W-2	454569002	7/10/2018	Co-60	1.22E+00	1.80E+00	6.11E+00	U
WG	W-2	454569002	7/10/2018	Cr-51	3.53E+00	1.15E+01	3.95E+01	U
WG	W-2	454569002	7/10/2018	Cs-134	-5.41E-01	1.32E+00	4.26E+00	U
WG	W-2	454569002	7/10/2018	Cs-137	-5.73E-01	1.47E+00	4.50E+00	U
WG	W-2	454569002	7/10/2018	Fe-59	-1.09E+00	3.06E+00	9.62E+00	U
WG	W-2	454569002	7/10/2018	H-3	6.09E+02	4.25E+02	1.29E+03	U
WG	W-2	454569002	7/10/2018	I-131	1.37E+00	2.81E+00	9.62E+00	U
WG	W-2	454569002	7/10/2018	K-40	2.56E+01	2.35E+01	2.94E+01	U
WG	W-2	454569002	7/10/2018	La-140	-5.94E-01	2.51E+00	8.13E+00	U
WG	W-2	454569002	7/10/2018	Mn-54	-7.65E-01	1.18E+00	3.68E+00	U
WG	W-2	454569002	7/10/2018	Nb-95	-1.72E+00	1.40E+00	4.03E+00	U
WG	W-2	454569002	7/10/2018	Ru-103	-2.07E+00	1.49E+00	4.11E+00	U
WG	W-2	454569002	7/10/2018	Ru-106	2.22E+01	1.52E+01	4.82E+01	U
WG	W-2	454569002	7/10/2018	Sb-124	2.09E+00	3.68E+00	1.30E+01	U
WG	W-2	454569002	7/10/2018	Sb-125	1.20E+00	3.56E+00	1.20E+01	U
WG	W-2	454569002	7/10/2018	Se-75	-8.55E-01	1.53E+00	5.06E+00	U
WG	W-2	454569002	7/10/2018	Th-228	1.03E+00	2.64E+00	8.03E+00	U
WG	W-2	454569002	7/10/2018	Zn-65	-6.98E-01	2.97E+00	9.47E+00	U
WG	W-2	454569002	7/10/2018	Zr-95	3.95E+00	2.66E+00	8.79E+00	U
WG	W-3	454569003	7/10/2018	Ac-228	4.58E+00	4.55E+00	1.48E+01	U
WG	W-3	454569003	7/10/2018	Ag-108m	2.76E-01	8.39E-01	2.87E+00	U
WG	W-3	454569003	7/10/2018	Ag-110m	4.31E-01	1.19E+00	3.96E+00	U
WG	W-3	454569003	7/10/2018	Ba-140	2.24E-01	4.98E+00	1.65E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-3	454569003	7/10/2018	Be-7	-1.37E+00	8.61E+00	2.83E+01	U
WG	W-3	454569003	7/10/2018	Ce-141	-1.91E+00	2.31E+00	6.42E+00	U
WG	W-3	454569003	7/10/2018	Ce-144	-5.69E+00	7.54E+00	2.32E+01	U
WG	W-3	454569003	7/10/2018	Co-57	-2.71E-01	8.95E-01	2.87E+00	U
WG	W-3	454569003	7/10/2018	Co-58	-7.78E-01	1.15E+00	2.88E+00	U
WG	W-3	454569003	7/10/2018	Co-60	-3.17E-01	9.51E-01	2.99E+00	U
WG	W-3	454569003	7/10/2018	Cr-51	-1.69E+01	1.02E+01	2.87E+01	U
WG	W-3	454569003	7/10/2018	Cs-134	2.31E+00	1.23E+00	4.25E+00	U
WG	W-3	454569003	7/10/2018	Cs-137	-1.68E-01	1.02E+00	3.28E+00	U
WG	W-3	454569003	7/10/2018	Fe-59	7.73E-01	2.49E+00	7.68E+00	U
WG	W-3	454569003	7/10/2018	H-3	7.20E+01	4.03E+02	1.32E+03	U
WG	W-3	454569003	7/10/2018	I-131	-1.08E+00	2.25E+00	7.34E+00	U
WG	W-3	454569003	7/10/2018	K-40	6.62E+01	2.48E+01	2.81E+01	
WG	W-3	454569003	7/10/2018	La-140	-2.86E-01	1.90E+00	6.05E+00	U
WG	W-3	454569003	7/10/2018	Mn-54	2.01E+00	1.10E+00	3.80E+00	U
WG	W-3	454569003	7/10/2018	Nb-95	1.71E-01	1.03E+00	3.38E+00	U
WG	W-3	454569003	7/10/2018	Ru-103	-3.41E+00	1.35E+00	2.65E+00	U
WG	W-3	454569003	7/10/2018	Ru-106	1.24E+01	9.52E+00	3.30E+01	U
WG	W-3	454569003	7/10/2018	Sb-124	-6.16E+00	3.59E+00	7.96E+00	U
WG	W-3	454569003	7/10/2018	Sb-125	-4.77E-01	2.80E+00	9.28E+00	U
WG	W-3	454569003	7/10/2018	Se-75	4.44E-01	1.21E+00	3.86E+00	U
WG	W-3	454569003	7/10/2018	Th-228	-2.48E+00	2.60E+00	7.59E+00	U
WG	W-3	454569003	7/10/2018	Zn-65	-3.44E+00	2.50E+00	6.79E+00	U
WG	W-3	454569003	7/10/2018	Zr-95	2.89E-01	1.87E+00	6.12E+00	U
WG	W-7	454703001	7/13/2018	Ac-228	-1.60E+01	5.78E+00	1.13E+01	U
WG	W-7	454703001	7/13/2018	Ag-108m	-8.11E-01	9.51E-01	2.56E+00	U
WG	W-7	454703001	7/13/2018	Ag-110m	-5.95E-01	1.24E+00	3.97E+00	U
WG	W-7	454703001	7/13/2018	Ba-140	-4.66E+00	7.72E+00	2.36E+01	U
WG	W-7	454703001	7/13/2018	Be-7	9.69E+00	8.76E+00	2.92E+01	U
WG	W-7	454703001	7/13/2018	Ce-141	-2.02E+00	2.15E+00	6.31E+00	U
WG	W-7	454703001	7/13/2018	Ce-144	3.09E+00	6.35E+00	2.01E+01	U
WG	W-7	454703001	7/13/2018	Co-57	-3.61E-02	7.79E-01	2.45E+00	U
WG	W-7	454703001	7/13/2018	Co-58	1.06E-01	9.09E-01	3.08E+00	U
WG	W-7	454703001	7/13/2018	Co-60	-2.02E-01	8.08E-01	2.54E+00	U
WG	W-7	454703001	7/13/2018	Cr-51	-1.23E+01	1.13E+01	3.45E+01	U
WG	W-7	454703001	7/13/2018	Cs-134	2.80E-01	8.23E-01	2.83E+00	U
WG	W-7	454703001	7/13/2018	Cs-137	6.98E-02	7.83E-01	2.50E+00	U
WG	W-7	454703001	7/13/2018	Fe-59	-1.60E+00	2.22E+00	6.78E+00	U
WG	W-7	454703001	7/13/2018	H-3	5.45E+02	4.72E+02	1.46E+03	U
WG	W-7	454703001	7/13/2018	I-131	4.04E+00	4.38E+00	1.47E+01	U
WG	W-7	454703001	7/13/2018	K-40	2.07E+01	1.32E+01	4.27E+01	U
WG	W-7	454703001	7/13/2018	La-140	-3.36E+00	3.19E+00	9.45E+00	U
WG	W-7	454703001	7/13/2018	Mn-54	3.54E-01	9.53E-01	2.90E+00	U
WG	W-7	454703001	7/13/2018	Nb-95	1.85E+00	1.05E+00	3.50E+00	U
WG	W-7	454703001	7/13/2018	Ru-103	-1.35E+00	1.12E+00	3.19E+00	U
WG	W-7	454703001	7/13/2018	Ru-106	-6.03E+00	8.14E+00	2.42E+01	U
WG	W-7	454703001	7/13/2018	Sb-124	-1.60E+00	2.31E+00	7.07E+00	U
WG	W-7	454703001	7/13/2018	Sb-125	-8.08E-01	2.54E+00	7.23E+00	U
WG	W-7	454703001	7/13/2018	Se-75	2.25E-01	1.24E+00	4.20E+00	U
WG	W-7	454703001	7/13/2018	Th-228	4.13E+00	3.21E+00	6.90E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	454703001	7/13/2018	Zn-65	-2.89E-01	1.63E+00	5.27E+00	U
WG	W-7	454703001	7/13/2018	Zr-95	-2.91E+00	1.84E+00	5.11E+00	U
WG	W-8	454703002	7/13/2018	Ac-228	-5.32E+00	4.66E+00	1.18E+01	U
WG	W-8	454703002	7/13/2018	Ag-108m	-2.15E-01	6.19E-01	2.01E+00	U
WG	W-8	454703002	7/13/2018	Ag-110m	1.45E+00	1.01E+00	3.56E+00	U
WG	W-8	454703002	7/13/2018	Ba-140	-1.28E+01	8.57E+00	2.39E+01	U
WG	W-8	454703002	7/13/2018	Be-7	8.62E+00	8.24E+00	2.78E+01	U
WG	W-8	454703002	7/13/2018	Ce-141	-8.13E-01	1.93E+00	5.57E+00	U
WG	W-8	454703002	7/13/2018	Ce-144	-5.00E+00	5.69E+00	1.74E+01	U
WG	W-8	454703002	7/13/2018	Co-57	-4.34E-02	6.94E-01	2.24E+00	U
WG	W-8	454703002	7/13/2018	Co-58	1.19E-01	7.45E-01	2.56E+00	U
WG	W-8	454703002	7/13/2018	Co-60	4.85E-01	8.78E-01	2.98E+00	U
WG	W-8	454703002	7/13/2018	Cr-51	-3.84E+00	9.92E+00	3.30E+01	U
WG	W-8	454703002	7/13/2018	Cs-134	-9.67E-01	8.87E-01	2.29E+00	U
WG	W-8	454703002	7/13/2018	Cs-137	1.37E+00	7.29E-01	2.45E+00	U
WG	W-8	454703002	7/13/2018	Fe-59	-3.79E-01	1.83E+00	5.97E+00	U
WG	W-8	454703002	7/13/2018	H-3	-2.12E+02	4.13E+02	1.39E+03	U
WG	W-8	454703002	7/13/2018	I-131	7.37E+00	5.23E+00	1.17E+01	U
WG	W-8	454703002	7/13/2018	K-40	-1.89E+01	1.21E+01	3.40E+01	U
WG	W-8	454703002	7/13/2018	La-140	-3.28E+00	4.66E+00	8.82E+00	U
WG	W-8	454703002	7/13/2018	Mn-54	-1.50E+00	7.58E-01	1.89E+00	U
WG	W-8	454703002	7/13/2018	Nb-95	3.68E+00	1.40E+00	2.60E+00	UI
WG	W-8	454703002	7/13/2018	Ru-103	-4.18E-01	1.01E+00	3.22E+00	U
WG	W-8	454703002	7/13/2018	Ru-106	6.33E+00	7.08E+00	2.37E+01	U
WG	W-8	454703002	7/13/2018	Sb-124	-1.14E-01	2.18E+00	6.93E+00	U
WG	W-8	454703002	7/13/2018	Sb-125	-7.74E-01	1.94E+00	6.30E+00	U
WG	W-8	454703002	7/13/2018	Se-75	1.20E+00	1.19E+00	3.75E+00	U
WG	W-8	454703002	7/13/2018	Th-228	1.62E-01	1.87E+00	5.54E+00	U
WG	W-8	454703002	7/13/2018	Zn-65	5.95E-01	1.53E+00	5.24E+00	U
WG	W-8	454703002	7/13/2018	Zr-95	1.31E+00	1.46E+00	4.88E+00	U
WG	W-9	454703003	7/13/2018	Ac-228	-6.17E-01	4.13E+00	1.24E+01	U
WG	W-9	454703003	7/13/2018	Ag-108m	-4.53E-01	6.05E-01	1.91E+00	U
WG	W-9	454703003	7/13/2018	Ag-110m	-1.38E-01	1.07E+00	3.36E+00	U
WG	W-9	454703003	7/13/2018	Ba-140	4.27E+00	6.87E+00	2.31E+01	U
WG	W-9	454703003	7/13/2018	Be-7	-5.41E+00	6.67E+00	2.07E+01	U
WG	W-9	454703003	7/13/2018	Ce-141	-3.48E+00	2.29E+00	5.17E+00	U
WG	W-9	454703003	7/13/2018	Ce-144	2.54E+00	4.64E+00	1.50E+01	U
WG	W-9	454703003	7/13/2018	Co-57	4.27E-01	6.47E-01	2.09E+00	U
WG	W-9	454703003	7/13/2018	Co-58	-4.24E-01	8.04E-01	2.44E+00	U
WG	W-9	454703003	7/13/2018	Co-60	6.29E-01	8.83E-01	3.03E+00	U
WG	W-9	454703003	7/13/2018	Cr-51	1.30E+01	1.03E+01	2.81E+01	U
WG	W-9	454703003	7/13/2018	Cs-134	2.22E+00	1.42E+00	2.54E+00	U
WG	W-9	454703003	7/13/2018	Cs-137	-1.09E-01	7.64E-01	2.45E+00	U
WG	W-9	454703003	7/13/2018	Fe-59	2.58E-01	2.15E+00	6.43E+00	U
WG	W-9	454703003	7/13/2018	H-3	3.83E+02	4.41E+02	1.39E+03	U
WG	W-9	454703003	7/13/2018	I-131	1.08E+00	3.54E+00	1.09E+01	U
WG	W-9	454703003	7/13/2018	K-40	8.92E+00	1.82E+01	2.32E+01	U
WG	W-9	454703003	7/13/2018	La-140	2.58E-01	2.90E+00	8.35E+00	U
WG	W-9	454703003	7/13/2018	Mn-54	4.38E-01	6.79E-01	2.24E+00	U
WG	W-9	454703003	7/13/2018	Nb-95	7.25E-01	8.54E-01	2.83E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-9	454703003	7/13/2018	Ru-103	-1.33E-01	9.15E-01	2.67E+00	U
WG	W-9	454703003	7/13/2018	Ru-106	3.40E+00	6.04E+00	2.02E+01	U
WG	W-9	454703003	7/13/2018	Sb-124	1.36E+00	1.82E+00	6.30E+00	U
WG	W-9	454703003	7/13/2018	Sb-125	9.71E-01	1.82E+00	6.17E+00	U
WG	W-9	454703003	7/13/2018	Se-75	1.04E+00	9.71E-01	3.34E+00	U
WG	W-9	454703003	7/13/2018	Th-228	1.36E+00	1.81E+00	5.12E+00	U
WG	W-9	454703003	7/13/2018	Zn-65	-1.00E+00	1.50E+00	4.71E+00	U
WG	W-9	454703003	7/13/2018	Zr-95	-1.87E+00	1.64E+00	4.68E+00	U
WG	W-10	454703004	7/13/2018	Ac-228	-2.16E+00	4.98E+00	1.22E+01	U
WG	W-10	454703004	7/13/2018	Ag-108m	-9.53E-02	7.56E-01	2.48E+00	U
WG	W-10	454703004	7/13/2018	Ag-110m	-1.74E-01	1.38E+00	4.01E+00	U
WG	W-10	454703004	7/13/2018	Ba-140	-3.53E+00	8.58E+00	2.71E+01	U
WG	W-10	454703004	7/13/2018	Be-7	-1.44E+00	8.18E+00	2.65E+01	U
WG	W-10	454703004	7/13/2018	Ce-141	-8.49E-01	1.81E+00	5.73E+00	U
WG	W-10	454703004	7/13/2018	Ce-144	3.50E+00	5.23E+00	1.71E+01	U
WG	W-10	454703004	7/13/2018	Co-57	1.99E+00	1.09E+00	2.05E+00	U
WG	W-10	454703004	7/13/2018	Co-58	-2.49E-01	9.95E-01	3.29E+00	U
WG	W-10	454703004	7/13/2018	Co-60	4.60E+00	1.50E+00	3.75E+00	UI
WG	W-10	454703004	7/13/2018	Cr-51	-2.01E+00	1.05E+01	3.53E+01	U
WG	W-10	454703004	7/13/2018	Cs-134	9.67E-03	1.07E+00	3.05E+00	U
WG	W-10	454703004	7/13/2018	Cs-137	-2.49E-01	1.10E+00	3.44E+00	U
WG	W-10	454703004	7/13/2018	Fe-59	1.39E+00	2.45E+00	8.28E+00	U
WG	W-10	454703004	7/13/2018	H-3	-2.01E+02	4.41E+02	1.48E+03	U
WG	W-10	454703004	7/13/2018	I-131	4.87E+00	4.39E+00	1.49E+01	U
WG	W-10	454703004	7/13/2018	K-40	-1.31E+01	1.48E+01	4.27E+01	U
WG	W-10	454703004	7/13/2018	La-140	5.62E-01	3.08E+00	1.05E+01	U
WG	W-10	454703004	7/13/2018	Mn-54	6.93E-01	9.41E-01	2.93E+00	U
WG	W-10	454703004	7/13/2018	Nb-95	1.44E+00	1.14E+00	3.84E+00	U
WG	W-10	454703004	7/13/2018	Ru-103	1.46E+00	1.18E+00	3.94E+00	U
WG	W-10	454703004	7/13/2018	Ru-106	1.27E+01	9.19E+00	3.02E+01	U
WG	W-10	454703004	7/13/2018	Sb-124	-7.30E-01	2.27E+00	7.27E+00	U
WG	W-10	454703004	7/13/2018	Sb-125	-1.14E-01	2.21E+00	7.31E+00	U
WG	W-10	454703004	7/13/2018	Se-75	-1.31E+00	1.21E+00	3.88E+00	U
WG	W-10	454703004	7/13/2018	Th-228	-8.30E-01	1.90E+00	5.22E+00	U
WG	W-10	454703004	7/13/2018	Zn-65	-1.54E+00	2.01E+00	5.47E+00	U
WG	W-10	454703004	7/13/2018	Zr-95	-3.84E-01	1.91E+00	6.39E+00	U
WG	W-11	454703005	7/13/2018	Ac-228	2.51E-01	4.32E+00	1.07E+01	U
WG	W-11	454703005	7/13/2018	Ag-108m	-2.05E-01	6.63E-01	2.15E+00	U
WG	W-11	454703005	7/13/2018	Ag-110m	-1.26E+00	1.15E+00	3.48E+00	U
WG	W-11	454703005	7/13/2018	Ba-140	8.65E+00	7.87E+00	2.29E+01	U
WG	W-11	454703005	7/13/2018	Be-7	2.23E+00	7.80E+00	2.57E+01	U
WG	W-11	454703005	7/13/2018	Ce-141	-2.15E+00	2.09E+00	5.35E+00	U
WG	W-11	454703005	7/13/2018	Ce-144	-3.06E+00	5.03E+00	1.56E+01	U
WG	W-11	454703005	7/13/2018	Co-57	-2.11E-02	6.35E-01	2.03E+00	U
WG	W-11	454703005	7/13/2018	Co-58	-1.46E+00	8.38E-01	2.28E+00	U
WG	W-11	454703005	7/13/2018	Co-60	1.14E+00	7.69E-01	2.65E+00	U
WG	W-11	454703005	7/13/2018	Cr-51	8.08E+00	9.46E+00	3.20E+01	U
WG	W-11	454703005	7/13/2018	Cs-134	2.01E+00	1.36E+00	3.16E+00	U
WG	W-11	454703005	7/13/2018	Cs-137	5.13E-01	7.76E-01	2.54E+00	U
WG	W-11	454703005	7/13/2018	Fe-59	-3.58E+00	1.99E+00	5.07E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-11	454703005	7/13/2018	H-3	-8.36E+01	4.42E+02	1.47E+03	U
WG	W-11	454703005	7/13/2018	I-131	-8.75E+00	4.50E+00	1.05E+01	U
WG	W-11	454703005	7/13/2018	K-40	8.30E+00	1.36E+01	4.36E+01	U
WG	W-11	454703005	7/13/2018	La-140	-3.39E+00	2.50E+00	7.08E+00	U
WG	W-11	454703005	7/13/2018	Mn-54	-7.17E-01	7.52E-01	2.33E+00	U
WG	W-11	454703005	7/13/2018	Nb-95	9.33E-01	8.56E-01	2.97E+00	U
WG	W-11	454703005	7/13/2018	Ru-103	-3.18E-01	1.05E+00	2.98E+00	U
WG	W-11	454703005	7/13/2018	Ru-106	6.00E+00	6.66E+00	2.20E+01	U
WG	W-11	454703005	7/13/2018	Sb-124	2.49E+00	2.04E+00	7.26E+00	U
WG	W-11	454703005	7/13/2018	Sb-125	2.51E-01	1.92E+00	6.37E+00	U
WG	W-11	454703005	7/13/2018	Se-75	6.60E-01	9.84E-01	3.37E+00	U
WG	W-11	454703005	7/13/2018	Th-228	-1.06E+00	1.92E+00	5.22E+00	U
WG	W-11	454703005	7/13/2018	Zn-65	4.88E-01	1.49E+00	5.02E+00	U
WG	W-11	454703005	7/13/2018	Zr-95	-1.05E+00	1.47E+00	4.70E+00	U
WG	W-12	454703006	7/13/2018	Ac-228	8.99E+00	5.46E+00	1.16E+01	U
WG	W-12	454703006	7/13/2018	Ag-108m	9.63E-01	6.05E-01	2.06E+00	U
WG	W-12	454703006	7/13/2018	Ag-110m	-6.14E-01	8.25E-01	2.44E+00	U
WG	W-12	454703006	7/13/2018	Ba-140	6.34E+00	6.04E+00	2.08E+01	U
WG	W-12	454703006	7/13/2018	Be-7	6.34E+00	6.63E+00	2.28E+01	U
WG	W-12	454703006	7/13/2018	Ce-141	-2.63E-01	1.72E+00	5.05E+00	U
WG	W-12	454703006	7/13/2018	Ce-144	-4.39E+00	4.82E+00	1.47E+01	U
WG	W-12	454703006	7/13/2018	Co-57	-3.29E-02	6.07E-01	1.96E+00	U
WG	W-12	454703006	7/13/2018	Co-58	1.33E-01	7.96E-01	2.62E+00	U
WG	W-12	454703006	7/13/2018	Co-60	4.94E-01	7.42E-01	2.61E+00	U
WG	W-12	454703006	7/13/2018	Cr-51	4.41E+00	7.97E+00	2.77E+01	U
WG	W-12	454703006	7/13/2018	Cs-134	3.52E-01	7.72E-01	2.58E+00	U
WG	W-12	454703006	7/13/2018	Cs-137	2.73E-01	7.44E-01	2.50E+00	U
WG	W-12	454703006	7/13/2018	Fe-59	-1.89E+00	1.89E+00	5.29E+00	U
WG	W-12	454703006	7/13/2018	H-3	2.44E+02	4.66E+02	1.49E+03	U
WG	W-12	454703006	7/13/2018	I-131	-3.44E+00	3.18E+00	9.93E+00	U
WG	W-12	454703006	7/13/2018	K-40	-1.39E+01	1.10E+01	2.97E+01	U
WG	W-12	454703006	7/13/2018	La-140	-3.09E-01	2.35E+00	7.72E+00	U
WG	W-12	454703006	7/13/2018	Mn-54	1.35E-01	6.63E-01	2.18E+00	U
WG	W-12	454703006	7/13/2018	Nb-95	-9.53E-01	9.12E-01	2.33E+00	U
WG	W-12	454703006	7/13/2018	Ru-103	-1.72E+00	8.96E-01	2.34E+00	U
WG	W-12	454703006	7/13/2018	Ru-106	-1.95E+00	5.56E+00	1.79E+01	U
WG	W-12	454703006	7/13/2018	Sb-124	3.99E-01	1.56E+00	5.33E+00	U
WG	W-12	454703006	7/13/2018	Sb-125	-6.58E-01	1.58E+00	5.20E+00	U
WG	W-12	454703006	7/13/2018	Se-75	5.81E-01	9.67E-01	3.08E+00	U
WG	W-12	454703006	7/13/2018	Th-228	1.12E-01	2.52E+00	4.93E+00	U
WG	W-12	454703006	7/13/2018	Zn-65	-1.05E-01	1.57E+00	4.95E+00	U
WG	W-12	454703006	7/13/2018	Zr-95	1.09E+00	1.17E+00	4.03E+00	U
WG	W-13	454703007	7/13/2018	Ac-228	-2.33E+00	4.18E+00	1.30E+01	U
WG	W-13	454703007	7/13/2018	Ag-108m	9.92E-04	6.92E-01	2.29E+00	U
WG	W-13	454703007	7/13/2018	Ag-110m	-5.95E-01	1.26E+00	3.54E+00	U
WG	W-13	454703007	7/13/2018	Ba-140	-3.14E-01	6.96E+00	2.26E+01	U
WG	W-13	454703007	7/13/2018	Be-7	6.84E+00	8.38E+00	2.82E+01	U
WG	W-13	454703007	7/13/2018	Ce-141	-2.63E+00	1.83E+00	5.18E+00	U
WG	W-13	454703007	7/13/2018	Ce-144	3.95E+00	5.45E+00	1.77E+01	U
WG	W-13	454703007	7/13/2018	Co-57	1.07E-01	6.34E-01	2.06E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-13	454703007	7/13/2018	Co-58	2.80E-01	8.40E-01	2.91E+00	U
WG	W-13	454703007	7/13/2018	Co-60	1.46E+00	9.96E-01	3.45E+00	U
WG	W-13	454703007	7/13/2018	Cr-51	-2.52E+00	9.20E+00	3.06E+01	U
WG	W-13	454703007	7/13/2018	Cs-134	1.18E+00	8.58E-01	3.02E+00	U
WG	W-13	454703007	7/13/2018	Cs-137	-1.62E-02	9.08E-01	2.26E+00	U
WG	W-13	454703007	7/13/2018	Fe-59	-1.25E+00	2.09E+00	6.52E+00	U
WG	W-13	454703007	7/13/2018	H-3	-5.27E+02	4.30E+02	1.49E+03	U
WG	W-13	454703007	7/13/2018	I-131	1.12E+01	8.16E+00	1.20E+01	U
WG	W-13	454703007	7/13/2018	K-40	5.70E+01	1.75E+01	2.16E+01	
WG	W-13	454703007	7/13/2018	La-140	7.32E-01	2.41E+00	7.99E+00	U
WG	W-13	454703007	7/13/2018	Mn-54	3.81E-01	7.57E-01	2.63E+00	U
WG	W-13	454703007	7/13/2018	Nb-95	8.59E-01	9.03E-01	3.01E+00	U
WG	W-13	454703007	7/13/2018	Ru-103	-1.11E+00	1.15E+00	3.02E+00	U
WG	W-13	454703007	7/13/2018	Ru-106	8.31E-01	7.11E+00	2.31E+01	U
WG	W-13	454703007	7/13/2018	Sb-124	3.02E+00	2.20E+00	7.94E+00	U
WG	W-13	454703007	7/13/2018	Sb-125	-6.80E-02	2.14E+00	7.09E+00	U
WG	W-13	454703007	7/13/2018	Se-75	1.29E+00	1.09E+00	3.74E+00	U
WG	W-13	454703007	7/13/2018	Th-228	-2.93E+00	2.06E+00	5.57E+00	U
WG	W-13	454703007	7/13/2018	Zn-65	-4.16E-01	1.79E+00	5.04E+00	U
WG	W-13	454703007	7/13/2018	Zr-95	1.58E+00	1.75E+00	5.81E+00	U
WG	W-14	454703008	7/13/2018	Ac-228	1.90E+00	7.11E+00	1.47E+01	U
WG	W-14	454703008	7/13/2018	Ag-108m	-1.23E+00	8.75E-01	2.52E+00	U
WG	W-14	454703008	7/13/2018	Ag-110m	-6.27E-01	1.05E+00	3.13E+00	U
WG	W-14	454703008	7/13/2018	Ba-140	-3.23E+00	8.37E+00	2.66E+01	U
WG	W-14	454703008	7/13/2018	Be-7	-2.57E+00	8.77E+00	2.84E+01	U
WG	W-14	454703008	7/13/2018	Ce-141	-3.03E+00	2.22E+00	6.92E+00	U
WG	W-14	454703008	7/13/2018	Ce-144	-1.81E+01	8.14E+00	1.93E+01	U
WG	W-14	454703008	7/13/2018	Co-57	1.56E+00	9.32E-01	3.08E+00	U
WG	W-14	454703008	7/13/2018	Co-58	-1.42E-01	1.17E+00	3.72E+00	U
WG	W-14	454703008	7/13/2018	Co-60	1.50E+00	1.03E+00	3.44E+00	U
WG	W-14	454703008	7/13/2018	Cr-51	-6.80E-01	1.17E+01	3.92E+01	U
WG	W-14	454703008	7/13/2018	Cs-134	-2.86E-01	9.00E-01	2.81E+00	U
WG	W-14	454703008	7/13/2018	Cs-137	4.32E-01	9.86E-01	2.96E+00	U
WG	W-14	454703008	7/13/2018	Fe-59	2.16E+00	2.33E+00	8.26E+00	U
WG	W-14	454703008	7/13/2018	H-3	-1.23E+02	4.45E+02	1.48E+03	U
WG	W-14	454703008	7/13/2018	I-131	1.56E+01	9.64E+00	1.46E+01	UI
WG	W-14	454703008	7/13/2018	K-40	-1.09E+00	1.45E+01	4.51E+01	U
WG	W-14	454703008	7/13/2018	La-140	-2.57E+00	3.01E+00	8.89E+00	U
WG	W-14	454703008	7/13/2018	Mn-54	1.73E+00	9.32E-01	3.14E+00	U
WG	W-14	454703008	7/13/2018	Nb-95	-2.35E+00	1.44E+00	3.43E+00	U
WG	W-14	454703008	7/13/2018	Ru-103	-2.04E+00	1.31E+00	3.63E+00	U
WG	W-14	454703008	7/13/2018	Ru-106	2.86E-01	8.27E+00	2.70E+01	U
WG	W-14	454703008	7/13/2018	Sb-124	1.25E-01	2.41E+00	8.05E+00	U
WG	W-14	454703008	7/13/2018	Sb-125	3.61E+00	2.83E+00	9.49E+00	U
WG	W-14	454703008	7/13/2018	Se-75	-7.77E-02	1.21E+00	4.05E+00	U
WG	W-14	454703008	7/13/2018	Th-228	-3.13E+00	2.45E+00	6.74E+00	U
WG	W-14	454703008	7/13/2018	Zn-65	-1.55E+00	2.02E+00	6.36E+00	U
WG	W-14	454703008	7/13/2018	Zr-95	2.07E+00	1.77E+00	6.02E+00	U
WG	W-15	454703009	7/13/2018	Ac-228	1.35E+00	4.27E+00	1.18E+01	U
WG	W-15	454703009	7/13/2018	Ag-108m	-1.93E-01	7.02E-01	2.32E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-15	454703009	7/13/2018	Ag-110m	-5.92E-01	1.23E+00	3.73E+00	U
WG	W-15	454703009	7/13/2018	Ba-140	6.30E+00	7.25E+00	2.50E+01	U
WG	W-15	454703009	7/13/2018	Be-7	-4.07E+00	7.12E+00	2.26E+01	U
WG	W-15	454703009	7/13/2018	Ce-141	-1.38E+00	2.02E+00	6.26E+00	U
WG	W-15	454703009	7/13/2018	Ce-144	4.43E+00	5.56E+00	1.82E+01	U
WG	W-15	454703009	7/13/2018	Co-57	-5.49E-01	7.81E-01	2.44E+00	U
WG	W-15	454703009	7/13/2018	Co-58	-1.19E+00	1.02E+00	2.83E+00	U
WG	W-15	454703009	7/13/2018	Co-60	2.91E-01	8.38E-01	2.88E+00	U
WG	W-15	454703009	7/13/2018	Cr-51	1.85E+00	1.01E+01	3.47E+01	U
WG	W-15	454703009	7/13/2018	Cs-134	5.30E-01	8.05E-01	2.72E+00	U
WG	W-15	454703009	7/13/2018	Cs-137	1.26E-01	8.29E-01	2.73E+00	U
WG	W-15	454703009	7/13/2018	Fe-59	6.36E-01	2.13E+00	7.34E+00	U
WG	W-15	454703009	7/13/2018	H-3	-6.10E+02	4.31E+02	1.51E+03	U
WG	W-15	454703009	7/13/2018	I-131	-5.32E+00	4.59E+00	1.41E+01	U
WG	W-15	454703009	7/13/2018	K-40	1.66E+01	1.74E+01	2.83E+01	U
WG	W-15	454703009	7/13/2018	La-140	-2.99E+00	3.09E+00	8.81E+00	U
WG	W-15	454703009	7/13/2018	Mn-54	-6.06E-01	8.86E-01	2.65E+00	U
WG	W-15	454703009	7/13/2018	Nb-95	-9.94E-01	1.18E+00	3.52E+00	U
WG	W-15	454703009	7/13/2018	Ru-103	-1.25E+00	1.10E+00	3.27E+00	U
WG	W-15	454703009	7/13/2018	Ru-106	-9.78E-01	6.49E+00	2.10E+01	U
WG	W-15	454703009	7/13/2018	Sb-124	2.97E+00	2.43E+00	8.69E+00	U
WG	W-15	454703009	7/13/2018	Sb-125	6.94E-01	2.03E+00	6.92E+00	U
WG	W-15	454703009	7/13/2018	Se-75	-1.55E+00	1.33E+00	3.73E+00	U
WG	W-15	454703009	7/13/2018	Th-228	1.14E+00	2.21E+00	5.56E+00	U
WG	W-15	454703009	7/13/2018	Zn-65	-4.07E-01	1.47E+00	4.80E+00	U
WG	W-15	454703009	7/13/2018	Zr-95	3.13E+00	1.90E+00	6.40E+00	U
WG	MW-20	454703010	7/13/2018	Ac-228	4.34E+00	4.93E+00	1.46E+01	U
WG	MW-20	454703010	7/13/2018	Ag-108m	-1.77E-01	6.35E-01	2.09E+00	U
WG	MW-20	454703010	7/13/2018	Ag-110m	-1.31E+00	9.96E-01	2.81E+00	U
WG	MW-20	454703010	7/13/2018	Ba-140	1.62E+01	8.86E+00	2.97E+01	U
WG	MW-20	454703010	7/13/2018	Be-7	-8.01E+00	8.41E+00	2.57E+01	U
WG	MW-20	454703010	7/13/2018	Ce-141	-3.27E-01	1.92E+00	6.21E+00	U
WG	MW-20	454703010	7/13/2018	Ce-144	-1.27E+00	5.57E+00	1.81E+01	U
WG	MW-20	454703010	7/13/2018	Co-57	-1.29E-02	7.25E-01	2.39E+00	U
WG	MW-20	454703010	7/13/2018	Co-58	1.08E+00	9.68E-01	3.27E+00	U
WG	MW-20	454703010	7/13/2018	Co-60	1.13E+00	1.01E+00	3.54E+00	U
WG	MW-20	454703010	7/13/2018	Cr-51	2.39E-01	1.03E+01	3.52E+01	U
WG	MW-20	454703010	7/13/2018	Cs-134	-7.55E-01	8.51E-01	2.42E+00	U
WG	MW-20	454703010	7/13/2018	Cs-137	8.00E-01	9.19E-01	3.10E+00	U
WG	MW-20	454703010	7/13/2018	Fe-59	1.41E+01	5.48E+00	8.01E+00	UI
WG	MW-20	454703010	7/13/2018	H-3	5.01E+02	4.86E+02	1.52E+03	U
WG	MW-20	454703010	7/13/2018	I-131	8.72E+00	5.80E+00	1.39E+01	U
WG	MW-20	454703010	7/13/2018	K-40	-3.39E+01	1.64E+01	3.87E+01	U
WG	MW-20	454703010	7/13/2018	La-140	-5.92E-01	3.11E+00	9.80E+00	U
WG	MW-20	454703010	7/13/2018	Mn-54	1.88E+00	9.56E-01	3.17E+00	U
WG	MW-20	454703010	7/13/2018	Nb-95	2.22E+00	9.21E-01	2.86E+00	U
WG	MW-20	454703010	7/13/2018	Ru-103	-1.28E+00	1.06E+00	3.09E+00	U
WG	MW-20	454703010	7/13/2018	Ru-106	-4.13E-02	7.92E+00	2.58E+01	U
WG	MW-20	454703010	7/13/2018	Sb-124	-1.54E+00	2.59E+00	7.60E+00	U
WG	MW-20	454703010	7/13/2018	Sb-125	-1.91E+00	2.22E+00	6.94E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-20	454703010	7/13/2018	Se-75	-5.32E-01	1.24E+00	3.77E+00	U
WG	MW-20	454703010	7/13/2018	Th-228	1.04E+01	4.27E+00	6.46E+00	UI
WG	MW-20	454703010	7/13/2018	Zn-65	-5.03E-01	1.85E+00	6.00E+00	U
WG	MW-20	454703010	7/13/2018	Zr-95	1.22E+00	1.97E+00	5.94E+00	U
WG	MW-21	454703011	7/13/2018	Ac-228	1.63E+00	4.25E+00	1.36E+01	U
WG	MW-21	454703011	7/13/2018	Ag-108m	9.28E-01	7.81E-01	2.66E+00	U
WG	MW-21	454703011	7/13/2018	Ag-110m	-8.36E-01	1.18E+00	3.60E+00	U
WG	MW-21	454703011	7/13/2018	Ba-140	2.63E+01	1.67E+01	2.98E+01	U
WG	MW-21	454703011	7/13/2018	Be-7	2.53E+01	1.11E+01	3.32E+01	U
WG	MW-21	454703011	7/13/2018	Ce-141	-4.61E-02	1.96E+00	6.32E+00	U
WG	MW-21	454703011	7/13/2018	Ce-144	-1.19E+01	7.46E+00	1.90E+01	U
WG	MW-21	454703011	7/13/2018	Co-57	1.41E+00	8.61E-01	2.59E+00	U
WG	MW-21	454703011	7/13/2018	Co-58	-1.25E+00	1.23E+00	3.49E+00	U
WG	MW-21	454703011	7/13/2018	Co-60	8.84E-01	1.06E+00	3.64E+00	U
WG	MW-21	454703011	7/13/2018	Cr-51	8.65E+00	1.13E+01	3.90E+01	U
WG	MW-21	454703011	7/13/2018	Cs-134	-1.47E+00	1.36E+00	3.74E+00	U
WG	MW-21	454703011	7/13/2018	Cs-137	9.33E-01	9.19E-01	3.09E+00	U
WG	MW-21	454703011	7/13/2018	Fe-59	-2.18E+00	2.61E+00	8.00E+00	U
WG	MW-21	454703011	7/13/2018	H-3	-2.02E+02	4.38E+02	1.47E+03	U
WG	MW-21	454703011	7/13/2018	I-131	-6.28E-01	4.33E+00	1.45E+01	U
WG	MW-21	454703011	7/13/2018	K-40	-1.12E+01	1.40E+01	4.45E+01	U
WG	MW-21	454703011	7/13/2018	La-140	-1.88E+00	3.31E+00	9.91E+00	U
WG	MW-21	454703011	7/13/2018	Mn-54	5.73E-01	1.09E+00	3.18E+00	U
WG	MW-21	454703011	7/13/2018	Nb-95	2.74E+00	1.34E+00	3.00E+00	U
WG	MW-21	454703011	7/13/2018	Ru-103	2.35E-02	1.21E+00	4.00E+00	U
WG	MW-21	454703011	7/13/2018	Ru-106	-4.81E+00	7.90E+00	2.43E+01	U
WG	MW-21	454703011	7/13/2018	Sb-124	-7.17E-01	2.66E+00	8.23E+00	U
WG	MW-21	454703011	7/13/2018	Sb-125	1.96E+00	2.46E+00	8.39E+00	U
WG	MW-21	454703011	7/13/2018	Se-75	2.39E-01	1.24E+00	3.90E+00	U
WG	MW-21	454703011	7/13/2018	Th-228	-1.18E-01	2.23E+00	6.20E+00	U
WG	MW-21	454703011	7/13/2018	Zn-65	-1.22E+00	1.72E+00	5.24E+00	U
WG	MW-21	454703011	7/13/2018	Zr-95	9.56E-01	1.83E+00	6.04E+00	U
WG	SG-1	454703012	7/13/2018	Ac-228	1.58E+00	4.44E+00	1.31E+01	U
WG	SG-1	454703012	7/13/2018	Ag-108m	-2.34E-01	7.10E-01	2.33E+00	U
WG	SG-1	454703012	7/13/2018	Ag-110m	9.41E-01	1.14E+00	3.79E+00	U
WG	SG-1	454703012	7/13/2018	ALPHA	5.16E+00	2.43E+00	6.93E+00	UDL
WG	SG-1	454703012	7/13/2018	Ba-140	5.64E+00	8.04E+00	2.73E+01	U
WG	SG-1	454703012	7/13/2018	Be-7	-4.07E+00	7.62E+00	2.44E+01	U
WG	SG-1	454703012	7/13/2018	BETA	1.39E+00	1.47E+00	4.70E+00	UDL
WG	SG-1	454703012	7/13/2018	Ce-141	8.43E-01	2.04E+00	6.58E+00	U
WG	SG-1	454703012	7/13/2018	Ce-144	1.67E+01	7.11E+00	1.71E+01	U
WG	SG-1	454703012	7/13/2018	Co-57	-2.86E-01	7.24E-01	2.29E+00	U
WG	SG-1	454703012	7/13/2018	Co-58	-1.17E+00	9.91E-01	2.78E+00	U
WG	SG-1	454703012	7/13/2018	Co-60	-1.66E-01	7.72E-01	2.51E+00	U
WG	SG-1	454703012	7/13/2018	Cr-51	8.67E+00	9.90E+00	3.42E+01	U
WG	SG-1	454703012	7/13/2018	Cs-134	1.86E+00	1.42E+00	3.36E+00	U
WG	SG-1	454703012	7/13/2018	Cs-137	2.72E-01	8.38E-01	2.78E+00	U
WG	SG-1	454703012	7/13/2018	Fe-59	-5.11E-01	1.97E+00	6.51E+00	U
WG	SG-1	454703012	7/13/2018	H-3	-4.57E+01	4.47E+02	1.48E+03	U
WG	SG-1	454703012	7/13/2018	I-131	5.08E+00	6.75E+00	1.34E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-1	454703012	7/13/2018	K-40	-9.11E+00	1.17E+01	3.82E+01	U
WG	SG-1	454703012	7/13/2018	La-140	5.85E-01	2.94E+00	9.82E+00	U
WG	SG-1	454703012	7/13/2018	Mn-54	-7.01E-01	8.62E-01	2.19E+00	U
WG	SG-1	454703012	7/13/2018	Nb-95	-8.50E-01	1.15E+00	2.94E+00	U
WG	SG-1	454703012	7/13/2018	Ru-103	6.40E-01	1.10E+00	3.37E+00	U
WG	SG-1	454703012	7/13/2018	Ru-106	-3.34E+00	6.72E+00	1.85E+01	U
WG	SG-1	454703012	7/13/2018	Sb-124	2.72E+00	2.53E+00	8.85E+00	U
WG	SG-1	454703012	7/13/2018	Sb-125	-9.12E-01	2.01E+00	6.53E+00	U
WG	SG-1	454703012	7/13/2018	Se-75	9.10E-01	1.08E+00	3.74E+00	U
WG	SG-1	454703012	7/13/2018	Th-228	3.89E+00	2.77E+00	6.53E+00	U
WG	SG-1	454703012	7/13/2018	Zn-65	1.33E+00	1.45E+00	4.74E+00	U
WG	SG-1	454703012	7/13/2018	Zr-95	5.24E+00	2.72E+00	5.95E+00	U
WG	SG-2	454703013	7/13/2018	Ac-228	-4.42E-01	4.88E+00	1.46E+01	U
WG	SG-2	454703013	7/13/2018	Ag-108m	-3.49E-01	8.22E-01	2.60E+00	U
WG	SG-2	454703013	7/13/2018	Ag-110m	-7.15E-01	1.22E+00	3.84E+00	U
WG	SG-2	454703013	7/13/2018	ALPHA	4.12E-01	6.84E-01	2.16E+00	U
WG	SG-2	454703013	7/13/2018	Ba-140	1.66E-01	8.70E+00	2.79E+01	U
WG	SG-2	454703013	7/13/2018	Be-7	-2.97E-01	9.04E+00	2.92E+01	U
WG	SG-2	454703013	7/13/2018	BETA	2.57E+00	4.65E-01	1.13E+00	M
WG	SG-2	454703013	7/13/2018	Ce-141	2.61E+00	2.58E+00	6.67E+00	U
WG	SG-2	454703013	7/13/2018	Ce-144	-2.07E+01	8.77E+00	1.90E+01	U
WG	SG-2	454703013	7/13/2018	Co-57	1.27E+00	9.47E-01	2.61E+00	U
WG	SG-2	454703013	7/13/2018	Co-58	-1.67E-01	1.00E+00	3.31E+00	U
WG	SG-2	454703013	7/13/2018	Co-60	4.63E-01	9.49E-01	3.18E+00	U
WG	SG-2	454703013	7/13/2018	Cr-51	-8.45E+00	1.18E+01	3.74E+01	U
WG	SG-2	454703013	7/13/2018	Cs-134	3.87E+00	1.85E+00	3.77E+00	UI
WG	SG-2	454703013	7/13/2018	Cs-137	5.15E-01	8.36E-01	2.91E+00	U
WG	SG-2	454703013	7/13/2018	Fe-59	-3.98E-01	2.31E+00	7.41E+00	U
WG	SG-2	454703013	7/13/2018	H-3	-2.88E+02	4.23E+02	1.44E+03	U
WG	SG-2	454703013	7/13/2018	I-131	1.09E+01	9.43E+00	1.63E+01	U
WG	SG-2	454703013	7/13/2018	K-40	2.92E+01	2.17E+01	2.84E+01	UI
WG	SG-2	454703013	7/13/2018	La-140	2.27E+00	2.82E+00	1.01E+01	U
WG	SG-2	454703013	7/13/2018	Mn-54	-1.15E+00	8.81E-01	2.51E+00	U
WG	SG-2	454703013	7/13/2018	Nb-95	2.91E-01	1.22E+00	3.68E+00	U
WG	SG-2	454703013	7/13/2018	Ru-103	-4.36E-01	1.17E+00	3.66E+00	U
WG	SG-2	454703013	7/13/2018	Ru-106	2.97E+00	8.12E+00	2.63E+01	U
WG	SG-2	454703013	7/13/2018	Sb-124	1.33E+00	2.16E+00	6.91E+00	U
WG	SG-2	454703013	7/13/2018	Sb-125	1.27E-01	2.38E+00	7.79E+00	U
WG	SG-2	454703013	7/13/2018	Se-75	-3.60E-01	1.53E+00	4.25E+00	U
WG	SG-2	454703013	7/13/2018	Th-228	3.04E+00	2.72E+00	6.82E+00	U
WG	SG-2	454703013	7/13/2018	Zn-65	-8.59E-01	1.80E+00	5.57E+00	U
WG	SG-2	454703013	7/13/2018	Zr-95	-1.18E+00	1.67E+00	5.23E+00	U
WG	SG-4	454703014	7/13/2018	Ac-228	-1.48E+01	5.51E+00	1.10E+01	U
WG	SG-4	454703014	7/13/2018	Ag-108m	1.11E+00	8.52E-01	2.82E+00	U
WG	SG-4	454703014	7/13/2018	Ag-110m	-6.02E-02	1.11E+00	3.70E+00	U
WG	SG-4	454703014	7/13/2018	ALPHA	4.39E+00	1.46E+00	3.02E+00	
WG	SG-4	454703014	7/13/2018	Ba-140	5.34E+00	8.75E+00	2.90E+01	U
WG	SG-4	454703014	7/13/2018	Be-7	-1.26E+01	9.02E+00	2.52E+01	U
WG	SG-4	454703014	7/13/2018	BETA	1.23E+01	1.80E+00	3.75E+00	
WG	SG-4	454703014	7/13/2018	Ce-141	-1.22E+00	2.08E+00	6.29E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-4	454703014	7/13/2018	Ce-144	-9.94E+00	6.76E+00	1.87E+01	U
WG	SG-4	454703014	7/13/2018	Co-57	3.48E-02	8.25E-01	2.60E+00	U
WG	SG-4	454703014	7/13/2018	Co-58	-2.62E-01	9.15E-01	3.01E+00	U
WG	SG-4	454703014	7/13/2018	Co-60	1.12E-01	8.01E-01	2.63E+00	U
WG	SG-4	454703014	7/13/2018	Cr-51	-1.53E+01	1.16E+01	3.42E+01	U
WG	SG-4	454703014	7/13/2018	Cs-134	1.98E+00	1.09E+00	3.71E+00	U
WG	SG-4	454703014	7/13/2018	Cs-137	-7.77E-01	8.74E-01	2.52E+00	U
WG	SG-4	454703014	7/13/2018	Fe-59	1.24E+00	2.21E+00	7.54E+00	U
WG	SG-4	454703014	7/13/2018	H-3	2.79E+02	4.63E+02	1.48E+03	U
WG	SG-4	454703014	7/13/2018	I-131	2.42E+00	4.65E+00	1.56E+01	U
WG	SG-4	454703014	7/13/2018	K-40	2.20E+01	1.41E+01	4.55E+01	U
WG	SG-4	454703014	7/13/2018	La-140	-1.81E+00	3.64E+00	9.93E+00	U
WG	SG-4	454703014	7/13/2018	Mn-54	1.25E-01	8.84E-01	2.99E+00	U
WG	SG-4	454703014	7/13/2018	Nb-95	-3.89E-01	1.04E+00	3.43E+00	U
WG	SG-4	454703014	7/13/2018	Ru-103	-1.59E+00	1.16E+00	3.25E+00	U
WG	SG-4	454703014	7/13/2018	Ru-106	1.37E+00	7.81E+00	2.52E+01	U
WG	SG-4	454703014	7/13/2018	Sb-124	1.79E+00	1.99E+00	7.24E+00	U
WG	SG-4	454703014	7/13/2018	Sb-125	-4.79E-01	2.06E+00	6.64E+00	U
WG	SG-4	454703014	7/13/2018	Se-75	-7.38E-02	1.19E+00	3.98E+00	U
WG	SG-4	454703014	7/13/2018	Th-228	-1.84E+00	2.32E+00	6.65E+00	U
WG	SG-4	454703014	7/13/2018	Zn-65	6.29E-02	1.88E+00	6.19E+00	U
WG	SG-4	454703014	7/13/2018	Zr-95	1.18E+00	1.92E+00	6.64E+00	U
WG	SG-5	454703015	7/13/2018	Ac-228	-4.84E+00	3.93E+00	1.03E+01	U
WG	SG-5	454703015	7/13/2018	Ag-108m	-1.01E+00	6.67E-01	1.91E+00	U
WG	SG-5	454703015	7/13/2018	Ag-110m	-1.83E+00	1.12E+00	2.80E+00	U
WG	SG-5	454703015	7/13/2018	ALPHA	1.65E+00	1.17E+00	3.08E+00	U
WG	SG-5	454703015	7/13/2018	Ba-140	-4.17E-01	7.64E+00	2.50E+01	U
WG	SG-5	454703015	7/13/2018	Be-7	3.06E+00	6.80E+00	2.29E+01	U
WG	SG-5	454703015	7/13/2018	BETA	8.64E+00	1.26E+00	2.15E+00	
WG	SG-5	454703015	7/13/2018	Ce-141	-6.19E+00	2.54E+00	5.04E+00	U
WG	SG-5	454703015	7/13/2018	Ce-144	3.39E+00	5.01E+00	1.61E+01	U
WG	SG-5	454703015	7/13/2018	Co-57	-2.79E-01	6.40E-01	2.01E+00	U
WG	SG-5	454703015	7/13/2018	Co-58	-2.12E-01	7.92E-01	2.47E+00	U
WG	SG-5	454703015	7/13/2018	Co-60	5.05E-01	6.59E-01	2.30E+00	U
WG	SG-5	454703015	7/13/2018	Cr-51	-1.68E+00	8.95E+00	3.01E+01	U
WG	SG-5	454703015	7/13/2018	Cs-134	-4.04E-01	8.06E-01	2.46E+00	U
WG	SG-5	454703015	7/13/2018	Cs-137	4.42E-02	6.69E-01	2.18E+00	U
WG	SG-5	454703015	7/13/2018	Fe-59	-2.14E+00	1.85E+00	4.49E+00	U
WG	SG-5	454703015	7/13/2018	H-3	1.11E+03	5.04E+02	1.47E+03	U
WG	SG-5	454703015	7/13/2018	I-131	1.85E+00	3.74E+00	1.27E+01	U
WG	SG-5	454703015	7/13/2018	K-40	3.66E+01	1.76E+01	2.47E+01	
WG	SG-5	454703015	7/13/2018	La-140	-3.55E+00	2.90E+00	7.96E+00	U
WG	SG-5	454703015	7/13/2018	Mn-54	7.02E-01	6.50E-01	2.18E+00	U
WG	SG-5	454703015	7/13/2018	Nb-95	-4.68E-01	8.87E-01	2.72E+00	U
WG	SG-5	454703015	7/13/2018	Ru-103	1.71E-02	9.42E-01	3.11E+00	U
WG	SG-5	454703015	7/13/2018	Ru-106	4.80E+00	6.10E+00	2.05E+01	U
WG	SG-5	454703015	7/13/2018	Sb-124	-2.74E+00	2.04E+00	5.24E+00	U
WG	SG-5	454703015	7/13/2018	Sb-125	-2.25E+00	1.96E+00	5.93E+00	U
WG	SG-5	454703015	7/13/2018	Se-75	-6.67E-01	1.02E+00	3.38E+00	U
WG	SG-5	454703015	7/13/2018	Th-228	5.04E+00	2.65E+00	5.21E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-5	454703015	7/13/2018	Zn-65	-3.16E+00	1.71E+00	4.37E+00	U
WG	SG-5	454703015	7/13/2018	Zr-95	-8.40E-02	1.51E+00	4.82E+00	U
WG	W-4	455095001	7/18/2018	Ac-228	7.96E+00	5.40E+00	1.56E+01	U
WG	W-4	455095001	7/18/2018	Ag-108m	2.84E-02	8.06E-01	2.68E+00	U
WG	W-4	455095001	7/18/2018	Ag-110m	1.28E-01	1.36E+00	4.60E+00	U
WG	W-4	455095001	7/18/2018	Ba-140	2.99E-01	4.51E+00	1.48E+01	U
WG	W-4	455095001	7/18/2018	Be-7	9.99E-01	7.66E+00	2.54E+01	U
WG	W-4	455095001	7/18/2018	Ce-141	-4.80E-01	2.02E+00	5.49E+00	U
WG	W-4	455095001	7/18/2018	Ce-144	3.52E+00	5.73E+00	1.87E+01	U
WG	W-4	455095001	7/18/2018	Co-57	-1.24E-01	7.67E-01	2.45E+00	U
WG	W-4	455095001	7/18/2018	Co-58	4.91E-03	9.44E-01	3.20E+00	U
WG	W-4	455095001	7/18/2018	Co-60	9.86E-01	1.01E+00	3.55E+00	U
WG	W-4	455095001	7/18/2018	Cr-51	-1.16E+01	8.82E+00	2.65E+01	U
WG	W-4	455095001	7/18/2018	Cs-134	9.09E-01	9.53E-01	3.39E+00	U
WG	W-4	455095001	7/18/2018	Cs-137	2.15E+00	1.07E+00	3.09E+00	U
WG	W-4	455095001	7/18/2018	Fe-59	-5.62E-01	2.00E+00	6.45E+00	U
WG	W-4	455095001	7/18/2018	H-3	-6.92E+01	1.11E+02	3.80E+02	U
WG	W-4	455095001	7/18/2018	I-131	-9.97E-01	1.63E+00	5.22E+00	U
WG	W-4	455095001	7/18/2018	K-40	3.31E+00	1.59E+01	4.80E+01	U
WG	W-4	455095001	7/18/2018	La-140	3.46E-01	1.42E+00	4.69E+00	U
WG	W-4	455095001	7/18/2018	Mn-54	-1.87E+00	1.22E+00	2.85E+00	U
WG	W-4	455095001	7/18/2018	Nb-95	2.08E-01	1.02E+00	3.30E+00	U
WG	W-4	455095001	7/18/2018	Ru-103	-3.54E-01	1.04E+00	3.32E+00	U
WG	W-4	455095001	7/18/2018	Ru-106	8.80E+00	8.04E+00	2.73E+01	U
WG	W-4	455095001	7/18/2018	Sb-124	1.07E+00	2.37E+00	8.33E+00	U
WG	W-4	455095001	7/18/2018	Sb-125	-1.91E+00	2.68E+00	8.41E+00	U
WG	W-4	455095001	7/18/2018	Se-75	6.65E-01	1.16E+00	4.00E+00	U
WG	W-4	455095001	7/18/2018	Th-228	3.62E-01	3.55E+00	7.34E+00	U
WG	W-4	455095001	7/18/2018	Zn-65	3.46E+00	2.62E+00	8.34E+00	U
WG	W-4	455095001	7/18/2018	Zr-95	1.68E+00	1.59E+00	5.40E+00	U
WG	W-5	455095002	7/18/2018	Ac-228	5.80E-01	5.76E+00	1.91E+01	U
WG	W-5	455095002	7/18/2018	Ag-108m	5.29E-01	1.14E+00	3.77E+00	U
WG	W-5	455095002	7/18/2018	Ag-110m	-3.87E-01	1.50E+00	4.88E+00	U
WG	W-5	455095002	7/18/2018	Ba-140	6.58E+00	6.83E+00	2.29E+01	U
WG	W-5	455095002	7/18/2018	Be-7	-1.77E+01	1.24E+01	3.29E+01	U
WG	W-5	455095002	7/18/2018	Ce-141	4.47E+00	3.59E+00	7.84E+00	U
WG	W-5	455095002	7/18/2018	Ce-144	8.93E+00	9.57E+00	3.23E+01	U
WG	W-5	455095002	7/18/2018	Co-57	-1.53E-01	1.36E+00	4.55E+00	U
WG	W-5	455095002	7/18/2018	Co-58	-1.34E-01	1.34E+00	4.46E+00	U
WG	W-5	455095002	7/18/2018	Co-60	1.25E+00	1.29E+00	4.61E+00	U
WG	W-5	455095002	7/18/2018	Cr-51	1.03E+01	1.26E+01	4.19E+01	U
WG	W-5	455095002	7/18/2018	Cs-134	2.87E-01	1.44E+00	4.92E+00	U
WG	W-5	455095002	7/18/2018	Cs-137	-5.93E-01	1.33E+00	4.34E+00	U
WG	W-5	455095002	7/18/2018	Fe-59	-2.75E-01	2.33E+00	7.60E+00	U
WG	W-5	455095002	7/18/2018	H-3	8.36E+01	1.23E+02	3.85E+02	U
WG	W-5	455095002	7/18/2018	I-131	2.68E+00	2.24E+00	7.52E+00	U
WG	W-5	455095002	7/18/2018	K-40	-7.40E+00	1.83E+01	5.79E+01	U
WG	W-5	455095002	7/18/2018	La-140	-1.01E+00	2.30E+00	7.00E+00	U
WG	W-5	455095002	7/18/2018	Mn-54	-4.04E-01	1.23E+00	4.01E+00	U
WG	W-5	455095002	7/18/2018	Nb-95	4.35E+00	1.58E+00	3.67E+00	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	455095002	7/18/2018	Ru-103	-1.78E+00	1.52E+00	4.23E+00	U
WG	W-5	455095002	7/18/2018	Ru-106	6.50E+00	1.26E+01	4.41E+01	U
WG	W-5	455095002	7/18/2018	Sb-124	-7.12E-01	3.01E+00	9.35E+00	U
WG	W-5	455095002	7/18/2018	Sb-125	4.97E+00	3.69E+00	1.24E+01	U
WG	W-5	455095002	7/18/2018	Se-75	-4.17E-01	1.50E+00	4.83E+00	U
WG	W-5	455095002	7/18/2018	Th-228	5.58E+00	4.13E+00	9.14E+00	U
WG	W-5	455095002	7/18/2018	Zn-65	-2.86E+00	2.68E+00	7.55E+00	U
WG	W-5	455095002	7/18/2018	Zr-95	-1.42E+00	2.31E+00	7.29E+00	U
WG	W-6	455095003	7/18/2018	Ac-228	-2.97E+00	5.27E+00	1.67E+01	U
WG	W-6	455095003	7/18/2018	Ag-108m	-2.05E-01	1.07E+00	3.52E+00	U
WG	W-6	455095003	7/18/2018	Ag-110m	2.10E+00	1.68E+00	5.98E+00	U
WG	W-6	455095003	7/18/2018	Ba-140	8.81E+00	5.71E+00	1.92E+01	U
WG	W-6	455095003	7/18/2018	Be-7	-7.41E-01	1.02E+01	3.36E+01	U
WG	W-6	455095003	7/18/2018	Ce-141	-1.66E+00	2.05E+00	6.20E+00	U
WG	W-6	455095003	7/18/2018	Ce-144	1.24E+00	7.93E+00	2.57E+01	U
WG	W-6	455095003	7/18/2018	Co-57	-2.06E-01	9.92E-01	3.17E+00	U
WG	W-6	455095003	7/18/2018	Co-58	-4.93E-01	9.32E-01	2.97E+00	U
WG	W-6	455095003	7/18/2018	Co-60	1.44E+00	1.43E+00	4.65E+00	U
WG	W-6	455095003	7/18/2018	Cr-51	-6.40E+00	9.41E+00	3.01E+01	U
WG	W-6	455095003	7/18/2018	Cs-134	1.55E+00	1.13E+00	3.95E+00	U
WG	W-6	455095003	7/18/2018	Cs-137	1.29E+00	1.27E+00	4.31E+00	U
WG	W-6	455095003	7/18/2018	Fe-59	7.42E-01	2.36E+00	8.07E+00	U
WG	W-6	455095003	7/18/2018	H-3	3.38E+02	1.39E+02	3.80E+02	U
WG	W-6	455095003	7/18/2018	I-131	3.83E-01	1.76E+00	6.00E+00	U
WG	W-6	455095003	7/18/2018	K-40	3.62E+00	2.40E+01	4.69E+01	U
WG	W-6	455095003	7/18/2018	La-140	3.91E-01	1.60E+00	5.36E+00	U
WG	W-6	455095003	7/18/2018	Mn-54	-1.15E+00	1.35E+00	2.79E+00	U
WG	W-6	455095003	7/18/2018	Nb-95	-1.27E+00	1.45E+00	4.35E+00	U
WG	W-6	455095003	7/18/2018	Ru-103	9.99E-01	1.21E+00	4.13E+00	U
WG	W-6	455095003	7/18/2018	Ru-106	6.89E+00	1.08E+01	3.63E+01	U
WG	W-6	455095003	7/18/2018	Sb-124	-4.16E+00	3.68E+00	9.60E+00	U
WG	W-6	455095003	7/18/2018	Sb-125	3.97E+00	3.20E+00	1.10E+01	U
WG	W-6	455095003	7/18/2018	Se-75	9.31E-01	1.52E+00	5.30E+00	U
WG	W-6	455095003	7/18/2018	Th-228	3.34E+00	3.71E+00	6.89E+00	U
WG	W-6	455095003	7/18/2018	Zn-65	1.38E+00	2.24E+00	7.15E+00	U
WG	W-6	455095003	7/18/2018	Zr-95	-1.10E+00	1.92E+00	5.65E+00	U
WG	W-2	461121001	10/2/2018	Ac-228	7.45E+00	5.83E+00	1.79E+01	U
WG	W-2	461121001	10/2/2018	Ag-108m	-1.58E+00	1.24E+00	3.51E+00	U
WG	W-2	461121001	10/2/2018	Ag-110m	3.88E-02	1.72E+00	5.51E+00	U
WG	W-2	461121001	10/2/2018	Ba-140	-2.36E-01	6.96E+00	2.28E+01	U
WG	W-2	461121001	10/2/2018	Be-7	1.48E+01	1.22E+01	4.19E+01	U
WG	W-2	461121001	10/2/2018	Ce-141	-7.01E+00	3.27E+00	8.04E+00	U
WG	W-2	461121001	10/2/2018	Ce-144	1.33E+01	9.89E+00	3.37E+01	U
WG	W-2	461121001	10/2/2018	Co-57	6.85E-02	1.19E+00	4.09E+00	U
WG	W-2	461121001	10/2/2018	Co-58	-2.54E+00	1.22E+00	2.02E+00	U
WG	W-2	461121001	10/2/2018	Co-60	7.82E-01	1.51E+00	5.35E+00	U
WG	W-2	461121001	10/2/2018	Cr-51	3.46E+01	1.63E+01	5.29E+01	U
WG	W-2	461121001	10/2/2018	Cs-134	-8.80E-01	1.50E+00	3.83E+00	U
WG	W-2	461121001	10/2/2018	Cs-137	8.82E-02	1.49E+00	4.85E+00	U
WG	W-2	461121001	10/2/2018	Fe-59	-4.62E+00	3.25E+00	8.85E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-2	461121001	10/2/2018	H-3	3.49E+01	1.42E+02	4.60E+02	U
WG	W-2	461121001	10/2/2018	I-131	-2.48E+00	2.60E+00	7.86E+00	U
WG	W-2	461121001	10/2/2018	K-40	-1.22E+01	2.11E+01	7.15E+01	U
WG	W-2	461121001	10/2/2018	La-140	2.26E+00	2.41E+00	8.88E+00	U
WG	W-2	461121001	10/2/2018	Mn-54	-2.42E-01	1.14E+00	3.57E+00	U
WG	W-2	461121001	10/2/2018	Nb-95	2.57E-01	1.52E+00	4.98E+00	U
WG	W-2	461121001	10/2/2018	Ru-103	-1.02E+00	1.38E+00	4.18E+00	U
WG	W-2	461121001	10/2/2018	Ru-106	2.03E+01	1.19E+01	4.15E+01	U
WG	W-2	461121001	10/2/2018	Sb-124	-4.79E+00	3.76E+00	9.51E+00	U
WG	W-2	461121001	10/2/2018	Sb-125	8.76E-01	3.75E+00	1.26E+01	U
WG	W-2	461121001	10/2/2018	Se-75	-8.92E-01	1.87E+00	6.12E+00	U
WG	W-2	461121001	10/2/2018	Th-228	-2.72E+00	3.43E+00	1.01E+01	U
WG	W-2	461121001	10/2/2018	Zn-65	4.48E+00	3.56E+00	1.23E+01	U
WG	W-2	461121001	10/2/2018	Zr-95	-1.92E+00	2.49E+00	7.24E+00	U
WG	W-8	461121003	10/2/2018	Ac-228	4.41E+00	7.56E+00	1.70E+01	U
WG	W-8	461121003	10/2/2018	Ag-108m	-4.52E-01	7.60E-01	2.39E+00	U
WG	W-8	461121003	10/2/2018	Ag-110m	1.90E-01	1.57E+00	4.50E+00	U
WG	W-8	461121003	10/2/2018	Ba-140	8.69E+00	6.58E+00	2.27E+01	U
WG	W-8	461121003	10/2/2018	Be-7	-9.22E+00	1.02E+01	3.10E+01	U
WG	W-8	461121003	10/2/2018	Ce-141	-7.74E-01	2.07E+00	6.56E+00	U
WG	W-8	461121003	10/2/2018	Ce-144	-1.73E+00	7.45E+00	2.39E+01	U
WG	W-8	461121003	10/2/2018	Co-57	-8.13E-02	9.33E-01	3.03E+00	U
WG	W-8	461121003	10/2/2018	Co-58	1.08E+00	1.23E+00	3.84E+00	U
WG	W-8	461121003	10/2/2018	Co-60	2.33E-01	1.01E+00	3.45E+00	U
WG	W-8	461121003	10/2/2018	Cr-51	-4.42E-01	1.14E+01	3.50E+01	U
WG	W-8	461121003	10/2/2018	Cs-134	-1.32E+00	1.39E+00	3.92E+00	U
WG	W-8	461121003	10/2/2018	Cs-137	2.06E+00	1.94E+00	3.47E+00	U
WG	W-8	461121003	10/2/2018	Fe-59	-1.94E+00	1.93E+00	5.41E+00	U
WG	W-8	461121003	10/2/2018	H-3	8.73E+01	1.50E+02	4.78E+02	U
WG	W-8	461121003	10/2/2018	I-131	-7.30E-01	2.27E+00	7.53E+00	U
WG	W-8	461121003	10/2/2018	K-40	1.72E+01	1.94E+01	2.93E+01	U
WG	W-8	461121003	10/2/2018	La-140	9.04E-01	2.29E+00	7.77E+00	U
WG	W-8	461121003	10/2/2018	Mn-54	7.58E-01	1.12E+00	3.77E+00	U
WG	W-8	461121003	10/2/2018	Nb-95	-8.83E-01	1.37E+00	3.53E+00	U
WG	W-8	461121003	10/2/2018	Ru-103	9.42E-01	1.18E+00	3.74E+00	U
WG	W-8	461121003	10/2/2018	Ru-106	5.09E+00	8.68E+00	2.96E+01	U
WG	W-8	461121003	10/2/2018	Sb-124	-4.71E-01	3.01E+00	9.52E+00	U
WG	W-8	461121003	10/2/2018	Sb-125	8.36E-01	3.19E+00	1.05E+01	U
WG	W-8	461121003	10/2/2018	Se-75	-2.50E+00	1.69E+00	4.43E+00	U
WG	W-8	461121003	10/2/2018	Th-228	9.65E+00	4.75E+00	7.85E+00	UI
WG	W-8	461121003	10/2/2018	Zn-65	-7.63E-01	2.14E+00	6.27E+00	U
WG	W-8	461121003	10/2/2018	Zr-95	2.98E-01	1.63E+00	5.34E+00	U
WG	W-7	461121002	10/4/2018	Ac-228	1.08E+01	7.95E+00	1.89E+01	U
WG	W-7	461121002	10/4/2018	Ag-108m	-7.66E-01	1.11E+00	3.41E+00	U
WG	W-7	461121002	10/4/2018	Ag-110m	-1.98E-01	1.45E+00	4.79E+00	U
WG	W-7	461121002	10/4/2018	Ba-140	5.33E+00	7.08E+00	2.37E+01	U
WG	W-7	461121002	10/4/2018	Be-7	1.20E+01	1.11E+01	3.75E+01	U
WG	W-7	461121002	10/4/2018	Ce-141	-1.64E+00	2.25E+00	6.11E+00	U
WG	W-7	461121002	10/4/2018	Ce-144	-7.24E+00	7.48E+00	2.18E+01	U
WG	W-7	461121002	10/4/2018	Co-57	1.03E+00	8.85E-01	2.85E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	461121002	10/4/2018	Co-58	1.03E-01	1.37E+00	4.48E+00	U
WG	W-7	461121002	10/4/2018	Co-60	8.29E-01	1.33E+00	4.59E+00	U
WG	W-7	461121002	10/4/2018	Cr-51	5.96E+00	1.05E+01	3.57E+01	U
WG	W-7	461121002	10/4/2018	Cs-134	6.45E-02	1.12E+00	3.70E+00	U
WG	W-7	461121002	10/4/2018	Cs-137	8.82E-01	1.27E+00	4.26E+00	U
WG	W-7	461121002	10/4/2018	Fe-59	-4.21E+00	2.44E+00	5.48E+00	U
WG	W-7	461121002	10/4/2018	H-3	1.85E+02	1.54E+02	4.72E+02	U
WG	W-7	461121002	10/4/2018	I-131	-1.06E-01	2.04E+00	6.73E+00	U
WG	W-7	461121002	10/4/2018	K-40	-8.26E+00	2.03E+01	6.10E+01	U
WG	W-7	461121002	10/4/2018	La-140	3.49E-01	2.25E+00	7.34E+00	U
WG	W-7	461121002	10/4/2018	Mn-54	2.15E-01	1.25E+00	4.26E+00	U
WG	W-7	461121002	10/4/2018	Nb-95	-5.17E-01	1.16E+00	3.74E+00	U
WG	W-7	461121002	10/4/2018	Ru-103	-5.37E-01	1.21E+00	3.77E+00	U
WG	W-7	461121002	10/4/2018	Ru-106	-4.95E+00	1.19E+01	3.67E+01	U
WG	W-7	461121002	10/4/2018	Sb-124	-2.95E-01	2.67E+00	8.84E+00	U
WG	W-7	461121002	10/4/2018	Sb-125	7.15E-01	2.97E+00	9.88E+00	U
WG	W-7	461121002	10/4/2018	Se-75	1.95E+00	1.61E+00	5.49E+00	U
WG	W-7	461121002	10/4/2018	Th-228	1.67E+00	2.56E+00	6.73E+00	U
WG	W-7	461121002	10/4/2018	Zn-65	-6.73E-01	2.72E+00	8.72E+00	U
WG	W-7	461121002	10/4/2018	Zr-95	-2.42E+00	2.43E+00	7.37E+00	U
WG	W-10	461121004	10/4/2018	Ac-228	7.47E+00	8.71E+00	2.03E+01	U
WG	W-10	461121004	10/4/2018	Ag-108m	1.32E-01	9.70E-01	3.28E+00	U
WG	W-10	461121004	10/4/2018	Ag-110m	9.36E-01	1.21E+00	4.21E+00	U
WG	W-10	461121004	10/4/2018	Ba-140	2.84E+00	6.07E+00	1.88E+01	U
WG	W-10	461121004	10/4/2018	Be-7	7.73E+00	1.03E+01	3.25E+01	U
WG	W-10	461121004	10/4/2018	Ce-141	-7.42E-02	2.12E+00	6.79E+00	U
WG	W-10	461121004	10/4/2018	Ce-144	-3.56E+00	8.01E+00	2.50E+01	U
WG	W-10	461121004	10/4/2018	Co-57	3.52E-01	1.03E+00	3.36E+00	U
WG	W-10	461121004	10/4/2018	Co-58	-1.57E+00	1.30E+00	3.48E+00	U
WG	W-10	461121004	10/4/2018	Co-60	1.77E+00	1.39E+00	5.03E+00	U
WG	W-10	461121004	10/4/2018	Cr-51	1.86E+01	1.16E+01	3.98E+01	U
WG	W-10	461121004	10/4/2018	Cs-134	2.52E-01	1.10E+00	3.63E+00	U
WG	W-10	461121004	10/4/2018	Cs-137	1.89E+00	1.25E+00	4.34E+00	U
WG	W-10	461121004	10/4/2018	Fe-59	2.99E+00	1.97E+00	7.38E+00	U
WG	W-10	461121004	10/4/2018	H-3	3.03E+02	2.70E+02	8.33E+02	U
WG	W-10	461121004	10/4/2018	I-131	-3.24E+00	2.18E+00	6.20E+00	U
WG	W-10	461121004	10/4/2018	K-40	-2.93E+01	1.89E+01	5.13E+01	U
WG	W-10	461121004	10/4/2018	La-140	-1.14E+00	2.03E+00	6.09E+00	U
WG	W-10	461121004	10/4/2018	Mn-54	1.50E+00	9.83E-01	3.50E+00	U
WG	W-10	461121004	10/4/2018	Nb-95	2.85E+00	1.26E+00	3.82E+00	U
WG	W-10	461121004	10/4/2018	Ru-103	5.24E-01	1.22E+00	3.76E+00	U
WG	W-10	461121004	10/4/2018	Ru-106	-5.80E+00	8.72E+00	2.62E+01	U
WG	W-10	461121004	10/4/2018	Sb-124	-1.82E+00	2.89E+00	8.43E+00	U
WG	W-10	461121004	10/4/2018	Sb-125	-4.58E+00	3.10E+00	8.61E+00	U
WG	W-10	461121004	10/4/2018	Se-75	1.58E+00	1.64E+00	5.73E+00	U
WG	W-10	461121004	10/4/2018	Th-228	-5.69E-01	2.96E+00	9.29E+00	U
WG	W-10	461121004	10/4/2018	Zn-65	2.12E+00	2.54E+00	8.33E+00	U
WG	W-10	461121004	10/4/2018	Zr-95	-4.45E-03	1.90E+00	6.15E+00	U
WG	W-11	461121005	10/4/2018	Ac-228	1.74E+01	7.91E+00	2.58E+01	U
WG	W-11	461121005	10/4/2018	Ag-108m	1.87E+00	1.33E+00	4.24E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-11	461121005	10/4/2018	Ag-110m	-2.45E+00	2.18E+00	6.18E+00	U
WG	W-11	461121005	10/4/2018	Ba-140	5.06E+00	7.57E+00	2.45E+01	U
WG	W-11	461121005	10/4/2018	Be-7	-2.24E+01	1.39E+01	3.58E+01	U
WG	W-11	461121005	10/4/2018	Ce-141	8.99E-02	2.45E+00	5.90E+00	U
WG	W-11	461121005	10/4/2018	Ce-144	3.25E+00	7.65E+00	2.47E+01	U
WG	W-11	461121005	10/4/2018	Co-57	6.88E-01	9.51E-01	3.10E+00	U
WG	W-11	461121005	10/4/2018	Co-58	-1.18E+00	1.44E+00	4.34E+00	U
WG	W-11	461121005	10/4/2018	Co-60	3.81E+00	1.77E+00	6.48E+00	U
WG	W-11	461121005	10/4/2018	Cr-51	-2.04E+01	1.06E+01	2.60E+01	U
WG	W-11	461121005	10/4/2018	Cs-134	1.35E+00	1.52E+00	5.43E+00	U
WG	W-11	461121005	10/4/2018	Cs-137	-3.81E-01	1.46E+00	4.48E+00	U
WG	W-11	461121005	10/4/2018	Fe-59	1.39E+00	3.18E+00	1.09E+01	U
WG	W-11	461121005	10/4/2018	H-3	3.74E+02	1.66E+02	4.74E+02	U
WG	W-11	461121005	10/4/2018	I-131	-6.59E-01	2.33E+00	7.53E+00	U
WG	W-11	461121005	10/4/2018	K-40	-2.00E+01	2.04E+01	6.55E+01	U
WG	W-11	461121005	10/4/2018	La-140	-2.60E+00	2.04E+00	4.79E+00	U
WG	W-11	461121005	10/4/2018	Mn-54	2.30E+00	1.36E+00	4.71E+00	U
WG	W-11	461121005	10/4/2018	Nb-95	-1.45E+00	1.74E+00	5.16E+00	U
WG	W-11	461121005	10/4/2018	Ru-103	2.04E-01	1.63E+00	5.32E+00	U
WG	W-11	461121005	10/4/2018	Ru-106	-1.66E+01	1.52E+01	3.70E+01	U
WG	W-11	461121005	10/4/2018	Sb-124	-2.27E-01	3.61E+00	1.27E+01	U
WG	W-11	461121005	10/4/2018	Sb-125	-1.53E-01	3.71E+00	1.21E+01	U
WG	W-11	461121005	10/4/2018	Se-75	-1.37E+00	1.59E+00	4.98E+00	U
WG	W-11	461121005	10/4/2018	Th-228	-3.56E+00	2.70E+00	8.41E+00	U
WG	W-11	461121005	10/4/2018	Zn-65	3.55E+00	2.78E+00	9.61E+00	U
WG	W-11	461121005	10/4/2018	Zr-95	2.55E+00	2.41E+00	8.68E+00	U
WG	W-12	461121006	10/4/2018	Ac-228	3.17E+00	4.74E+00	1.66E+01	U
WG	W-12	461121006	10/4/2018	Ag-108m	1.24E+00	2.06E+00	3.62E+00	U
WG	W-12	461121006	10/4/2018	Ag-110m	-9.85E-01	1.62E+00	5.06E+00	U
WG	W-12	461121006	10/4/2018	Ba-140	-5.53E+00	5.50E+00	1.55E+01	U
WG	W-12	461121006	10/4/2018	Be-7	-1.65E+01	1.06E+01	2.75E+01	U
WG	W-12	461121006	10/4/2018	Ce-141	1.60E+00	1.99E+00	6.34E+00	U
WG	W-12	461121006	10/4/2018	Ce-144	-7.91E-01	6.59E+00	2.06E+01	U
WG	W-12	461121006	10/4/2018	Co-57	5.30E-01	8.86E-01	2.85E+00	U
WG	W-12	461121006	10/4/2018	Co-58	-1.38E+00	9.74E-01	2.53E+00	U
WG	W-12	461121006	10/4/2018	Co-60	-3.28E-01	1.34E+00	4.21E+00	U
WG	W-12	461121006	10/4/2018	Cr-51	4.46E+00	1.09E+01	3.70E+01	U
WG	W-12	461121006	10/4/2018	Cs-134	-1.33E+00	1.31E+00	3.89E+00	U
WG	W-12	461121006	10/4/2018	Cs-137	-3.96E-01	1.28E+00	3.95E+00	U
WG	W-12	461121006	10/4/2018	Fe-59	2.41E+00	2.78E+00	9.72E+00	U
WG	W-12	461121006	10/4/2018	H-3	1.85E+02	1.54E+02	4.72E+02	U
WG	W-12	461121006	10/4/2018	I-131	-1.48E+00	2.02E+00	6.29E+00	U
WG	W-12	461121006	10/4/2018	K-40	-1.37E+01	1.83E+01	5.17E+01	U
WG	W-12	461121006	10/4/2018	La-140	2.83E+00	2.03E+00	7.45E+00	U
WG	W-12	461121006	10/4/2018	Mn-54	1.70E+00	1.17E+00	4.19E+00	U
WG	W-12	461121006	10/4/2018	Nb-95	6.86E-01	1.03E+00	3.65E+00	U
WG	W-12	461121006	10/4/2018	Ru-103	6.94E-02	1.28E+00	4.17E+00	U
WG	W-12	461121006	10/4/2018	Ru-106	-9.28E+00	1.18E+01	3.44E+01	U
WG	W-12	461121006	10/4/2018	Sb-124	7.78E+00	3.68E+00	1.36E+01	U
WG	W-12	461121006	10/4/2018	Sb-125	-6.33E-02	3.81E+00	1.11E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-12	461121006	10/4/2018	Se-75	2.52E+00	2.01E+00	4.88E+00	U
WG	W-12	461121006	10/4/2018	Th-228	1.04E+00	3.07E+00	6.49E+00	U
WG	W-12	461121006	10/4/2018	Zn-65	5.46E-01	2.38E+00	8.04E+00	U
WG	W-12	461121006	10/4/2018	Zr-95	2.03E+00	2.11E+00	7.52E+00	U
WG	W-14	461121007	10/4/2018	Ac-228	-2.67E+00	5.39E+00	1.81E+01	U
WG	W-14	461121007	10/4/2018	Ag-108m	8.41E-01	1.06E+00	3.68E+00	U
WG	W-14	461121007	10/4/2018	Ag-110m	-8.35E-01	1.68E+00	5.38E+00	U
WG	W-14	461121007	10/4/2018	Ba-140	2.04E-01	5.69E+00	1.87E+01	U
WG	W-14	461121007	10/4/2018	Be-7	-3.18E+00	1.05E+01	3.00E+01	U
WG	W-14	461121007	10/4/2018	Ce-141	-4.21E+00	2.67E+00	6.96E+00	U
WG	W-14	461121007	10/4/2018	Ce-144	-7.99E+00	8.69E+00	2.63E+01	U
WG	W-14	461121007	10/4/2018	Co-57	-9.59E-01	1.04E+00	3.16E+00	U
WG	W-14	461121007	10/4/2018	Co-58	-8.89E-01	1.15E+00	3.18E+00	U
WG	W-14	461121007	10/4/2018	Co-60	-3.32E+00	1.73E+00	3.51E+00	U
WG	W-14	461121007	10/4/2018	Cr-51	-1.02E+01	1.15E+01	3.62E+01	U
WG	W-14	461121007	10/4/2018	Cs-134	1.82E+00	1.65E+00	4.61E+00	U
WG	W-14	461121007	10/4/2018	Cs-137	-1.73E-01	1.30E+00	3.65E+00	U
WG	W-14	461121007	10/4/2018	Fe-59	-8.53E-01	2.71E+00	8.66E+00	U
WG	W-14	461121007	10/4/2018	H-3	3.32E+02	1.63E+02	4.74E+02	U
WG	W-14	461121007	10/4/2018	I-131	-2.84E-01	2.34E+00	7.85E+00	U
WG	W-14	461121007	10/4/2018	K-40	1.21E+00	2.74E+01	5.43E+01	U
WG	W-14	461121007	10/4/2018	La-140	5.39E+00	2.79E+00	1.02E+01	U
WG	W-14	461121007	10/4/2018	Mn-54	-3.59E-01	1.16E+00	3.83E+00	U
WG	W-14	461121007	10/4/2018	Nb-95	-6.73E-01	1.36E+00	3.50E+00	U
WG	W-14	461121007	10/4/2018	Ru-103	-1.34E+00	1.42E+00	4.25E+00	U
WG	W-14	461121007	10/4/2018	Ru-106	3.60E+00	1.14E+01	3.79E+01	U
WG	W-14	461121007	10/4/2018	Sb-124	-7.22E-01	3.55E+00	1.19E+01	U
WG	W-14	461121007	10/4/2018	Sb-125	5.59E+00	5.22E+00	1.29E+01	U
WG	W-14	461121007	10/4/2018	Se-75	-8.32E-01	2.07E+00	4.88E+00	U
WG	W-14	461121007	10/4/2018	Th-228	4.25E+00	3.59E+00	6.58E+00	U
WG	W-14	461121007	10/4/2018	Zn-65	1.27E+00	2.65E+00	9.21E+00	U
WG	W-14	461121007	10/4/2018	Zr-95	-3.27E+00	2.54E+00	6.54E+00	U
WG	MW-21	461121008	10/4/2018	Ac-228	-2.02E+00	5.44E+00	1.85E+01	U
WG	MW-21	461121008	10/4/2018	Ag-108m	-2.18E-01	9.73E-01	3.20E+00	U
WG	MW-21	461121008	10/4/2018	Ag-110m	1.57E-01	1.62E+00	5.54E+00	U
WG	MW-21	461121008	10/4/2018	Ba-140	1.61E+01	7.28E+00	2.46E+01	U
WG	MW-21	461121008	10/4/2018	Be-7	-4.77E+00	1.11E+01	3.43E+01	U
WG	MW-21	461121008	10/4/2018	Ce-141	-2.37E+00	2.37E+00	6.84E+00	U
WG	MW-21	461121008	10/4/2018	Ce-144	-9.52E-01	7.38E+00	2.40E+01	U
WG	MW-21	461121008	10/4/2018	Co-57	-6.02E-01	1.04E+00	3.30E+00	U
WG	MW-21	461121008	10/4/2018	Co-58	1.03E+00	8.70E-01	3.12E+00	U
WG	MW-21	461121008	10/4/2018	Co-60	-1.55E+00	1.51E+00	4.10E+00	U
WG	MW-21	461121008	10/4/2018	Cr-51	1.22E+01	1.11E+01	3.90E+01	U
WG	MW-21	461121008	10/4/2018	Cs-134	1.41E-01	1.07E+00	3.47E+00	U
WG	MW-21	461121008	10/4/2018	Cs-137	2.29E+00	1.48E+00	5.11E+00	U
WG	MW-21	461121008	10/4/2018	Fe-59	7.41E-01	3.18E+00	1.08E+01	U
WG	MW-21	461121008	10/4/2018	H-3	-5.70E+01	1.42E+02	4.75E+02	U
WG	MW-21	461121008	10/4/2018	I-131	-1.10E+00	1.85E+00	5.94E+00	U
WG	MW-21	461121008	10/4/2018	K-40	2.29E+00	1.88E+01	6.17E+01	U
WG	MW-21	461121008	10/4/2018	La-140	3.08E+00	2.09E+00	7.88E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-21	461121008	10/4/2018	Mn-54	-2.52E-01	1.33E+00	4.12E+00	U
WG	MW-21	461121008	10/4/2018	Nb-95	-1.80E+00	1.20E+00	2.83E+00	U
WG	MW-21	461121008	10/4/2018	Ru-103	2.41E+00	1.42E+00	4.90E+00	U
WG	MW-21	461121008	10/4/2018	Ru-106	5.65E+00	1.24E+01	4.16E+01	U
WG	MW-21	461121008	10/4/2018	Sb-124	-6.47E-01	3.25E+00	1.01E+01	U
WG	MW-21	461121008	10/4/2018	Sb-125	5.43E-01	3.17E+00	1.08E+01	U
WG	MW-21	461121008	10/4/2018	Se-75	-7.07E-01	1.60E+00	4.82E+00	U
WG	MW-21	461121008	10/4/2018	Th-228	1.04E+00	2.67E+00	8.51E+00	U
WG	MW-21	461121008	10/4/2018	Zn-65	3.54E+00	2.11E+00	7.83E+00	U
WG	MW-21	461121008	10/4/2018	Zr-95	-3.03E-01	2.54E+00	8.04E+00	U
WG	W-3	461465002	10/8/2018	Ac-228	9.01E-01	5.61E+00	1.96E+01	U
WG	W-3	461465002	10/8/2018	Ag-108m	1.16E+00	1.49E+00	3.75E+00	U
WG	W-3	461465002	10/8/2018	Ag-110m	-5.48E-01	1.44E+00	4.59E+00	U
WG	W-3	461465002	10/8/2018	Ba-140	2.19E+00	7.71E+00	2.53E+01	U
WG	W-3	461465002	10/8/2018	Be-7	9.78E+00	1.07E+01	3.64E+01	U
WG	W-3	461465002	10/8/2018	Ce-141	-2.25E+00	2.79E+00	7.46E+00	U
WG	W-3	461465002	10/8/2018	Ce-144	1.15E+01	9.08E+00	2.90E+01	U
WG	W-3	461465002	10/8/2018	Co-57	5.05E-01	1.13E+00	3.36E+00	U
WG	W-3	461465002	10/8/2018	Co-58	6.71E-01	1.38E+00	4.32E+00	U
WG	W-3	461465002	10/8/2018	Co-60	1.91E+00	1.26E+00	4.65E+00	U
WG	W-3	461465002	10/8/2018	Cr-51	3.36E+00	1.17E+01	3.93E+01	U
WG	W-3	461465002	10/8/2018	Cs-134	-1.47E+00	1.25E+00	3.54E+00	U
WG	W-3	461465002	10/8/2018	Cs-137	-1.61E+00	1.31E+00	3.43E+00	U
WG	W-3	461465002	10/8/2018	Fe-59	7.01E-01	2.59E+00	8.76E+00	U
WG	W-3	461465002	10/8/2018	H-3	1.55E+02	2.68E+02	8.62E+02	U
WG	W-3	461465002	10/8/2018	I-131	-3.77E+00	2.68E+00	7.38E+00	U
WG	W-3	461465002	10/8/2018	K-40	3.06E+01	2.04E+01	3.65E+01	U
WG	W-3	461465002	10/8/2018	La-140	-3.66E-02	2.65E+00	7.77E+00	U
WG	W-3	461465002	10/8/2018	Mn-54	-5.73E-01	1.14E+00	3.62E+00	U
WG	W-3	461465002	10/8/2018	Nb-95	-1.95E+00	1.53E+00	4.23E+00	U
WG	W-3	461465002	10/8/2018	Ru-103	8.97E+00	3.58E+00	4.28E+00	UI
WG	W-3	461465002	10/8/2018	Ru-106	1.53E+00	1.08E+01	3.50E+01	U
WG	W-3	461465002	10/8/2018	Sb-124	4.50E+00	3.35E+00	1.25E+01	U
WG	W-3	461465002	10/8/2018	Sb-125	7.62E+00	3.84E+00	1.25E+01	U
WG	W-3	461465002	10/8/2018	Se-75	7.55E-01	1.60E+00	5.48E+00	U
WG	W-3	461465002	10/8/2018	Th-228	2.61E+00	3.64E+00	9.78E+00	U
WG	W-3	461465002	10/8/2018	Zn-65	-9.99E-01	3.10E+00	8.45E+00	U
WG	W-3	461465002	10/8/2018	Zr-95	1.63E+00	2.28E+00	8.04E+00	U
WG	W-9	461465003	10/8/2018	Ac-228	-1.96E+00	6.83E+00	2.05E+01	U
WG	W-9	461465003	10/8/2018	Ag-108m	-9.70E-01	1.10E+00	3.38E+00	U
WG	W-9	461465003	10/8/2018	Ag-110m	2.07E+00	1.72E+00	6.24E+00	U
WG	W-9	461465003	10/8/2018	Ba-140	-2.17E+00	7.56E+00	2.43E+01	U
WG	W-9	461465003	10/8/2018	Be-7	-4.05E+00	1.19E+01	3.53E+01	U
WG	W-9	461465003	10/8/2018	Ce-141	-4.07E+00	2.70E+00	6.91E+00	U
WG	W-9	461465003	10/8/2018	Ce-144	-5.43E+00	7.56E+00	2.35E+01	U
WG	W-9	461465003	10/8/2018	Co-57	-6.18E-01	1.01E+00	3.20E+00	U
WG	W-9	461465003	10/8/2018	Co-58	6.10E-01	1.35E+00	4.08E+00	U
WG	W-9	461465003	10/8/2018	Co-60	8.30E-01	1.40E+00	4.90E+00	U
WG	W-9	461465003	10/8/2018	Cr-51	-7.57E-01	1.25E+01	4.28E+01	U
WG	W-9	461465003	10/8/2018	Cs-134	4.81E-01	1.27E+00	4.24E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-9	461465003	10/8/2018	Cs-137	-2.22E+00	1.52E+00	3.18E+00	U
WG	W-9	461465003	10/8/2018	Fe-59	4.81E+00	2.52E+00	9.91E+00	U
WG	W-9	461465003	10/8/2018	H-3	3.08E+02	2.72E+02	8.54E+02	U
WG	W-9	461465003	10/8/2018	I-131	-4.88E+00	2.75E+00	7.14E+00	U
WG	W-9	461465003	10/8/2018	K-40	-1.87E+01	2.12E+01	5.79E+01	U
WG	W-9	461465003	10/8/2018	La-140	1.49E+00	2.88E+00	9.92E+00	U
WG	W-9	461465003	10/8/2018	Mn-54	3.38E+00	1.45E+00	4.96E+00	U
WG	W-9	461465003	10/8/2018	Nb-95	3.69E-01	1.29E+00	4.24E+00	U
WG	W-9	461465003	10/8/2018	Ru-103	-1.07E+00	1.36E+00	4.14E+00	U
WG	W-9	461465003	10/8/2018	Ru-106	-5.06E-01	1.08E+01	3.50E+01	U
WG	W-9	461465003	10/8/2018	Sb-124	-2.49E+00	2.75E+00	6.71E+00	U
WG	W-9	461465003	10/8/2018	Sb-125	-5.04E-02	3.20E+00	1.07E+01	U
WG	W-9	461465003	10/8/2018	Se-75	-3.38E-01	1.69E+00	4.78E+00	U
WG	W-9	461465003	10/8/2018	Th-228	1.71E+00	2.69E+00	8.51E+00	U
WG	W-9	461465003	10/8/2018	Zn-65	-4.56E+00	3.03E+00	5.55E+00	U
WG	W-9	461465003	10/8/2018	Zr-95	-1.92E+00	2.22E+00	6.18E+00	U
WG	W-15	461465005	10/8/2018	Ac-228	-1.18E+01	5.57E+00	1.33E+01	U
WG	W-15	461465005	10/8/2018	Ag-108m	1.18E+00	9.29E-01	3.24E+00	U
WG	W-15	461465005	10/8/2018	Ag-110m	-8.57E-02	1.59E+00	5.01E+00	U
WG	W-15	461465005	10/8/2018	Ba-140	6.74E-01	6.85E+00	2.28E+01	U
WG	W-15	461465005	10/8/2018	Be-7	3.72E+00	9.39E+00	3.20E+01	U
WG	W-15	461465005	10/8/2018	Ce-141	-3.09E+00	2.56E+00	7.25E+00	U
WG	W-15	461465005	10/8/2018	Ce-144	6.38E+00	7.37E+00	2.44E+01	U
WG	W-15	461465005	10/8/2018	Co-57	1.11E+00	1.04E+00	3.21E+00	U
WG	W-15	461465005	10/8/2018	Co-58	-1.13E+00	1.17E+00	3.24E+00	U
WG	W-15	461465005	10/8/2018	Co-60	5.33E-01	8.98E-01	3.20E+00	U
WG	W-15	461465005	10/8/2018	Cr-51	1.21E+01	1.09E+01	3.81E+01	U
WG	W-15	461465005	10/8/2018	Cs-134	1.99E+00	1.12E+00	3.97E+00	U
WG	W-15	461465005	10/8/2018	Cs-137	3.08E+00	1.86E+00	3.21E+00	U
WG	W-15	461465005	10/8/2018	Fe-59	9.18E-01	2.10E+00	6.65E+00	U
WG	W-15	461465005	10/8/2018	H-3	3.54E+02	2.79E+02	8.70E+02	U
WG	W-15	461465005	10/8/2018	I-131	1.55E+00	2.21E+00	7.75E+00	U
WG	W-15	461465005	10/8/2018	K-40	-2.40E+01	1.42E+01	4.30E+01	U
WG	W-15	461465005	10/8/2018	La-140	6.51E-01	2.47E+00	8.27E+00	U
WG	W-15	461465005	10/8/2018	Mn-54	-7.18E-01	1.16E+00	3.44E+00	U
WG	W-15	461465005	10/8/2018	Nb-95	7.77E-01	1.18E+00	3.98E+00	U
WG	W-15	461465005	10/8/2018	Ru-103	-1.44E+00	1.32E+00	3.91E+00	U
WG	W-15	461465005	10/8/2018	Ru-106	2.81E+00	8.75E+00	2.94E+01	U
WG	W-15	461465005	10/8/2018	Sb-124	-1.95E+00	2.66E+00	7.38E+00	U
WG	W-15	461465005	10/8/2018	Sb-125	1.46E+00	2.71E+00	9.36E+00	U
WG	W-15	461465005	10/8/2018	Se-75	1.72E+00	1.53E+00	4.94E+00	U
WG	W-15	461465005	10/8/2018	Th-228	6.28E-01	4.45E+00	7.38E+00	U
WG	W-15	461465005	10/8/2018	Zn-65	1.18E+00	2.19E+00	7.70E+00	U
WG	W-15	461465005	10/8/2018	Zr-95	-1.73E+00	1.86E+00	5.16E+00	U
WG	MW-20	461465006	10/8/2018	Ac-228	-9.87E+00	5.66E+00	1.39E+01	U
WG	MW-20	461465006	10/8/2018	Ag-108m	1.15E+00	9.42E-01	3.34E+00	U
WG	MW-20	461465006	10/8/2018	Ag-110m	2.84E+00	1.97E+00	6.83E+00	U
WG	MW-20	461465006	10/8/2018	Ba-140	1.16E+01	6.91E+00	2.46E+01	U
WG	MW-20	461465006	10/8/2018	Be-7	1.21E+01	1.10E+01	3.84E+01	U
WG	MW-20	461465006	10/8/2018	Ce-141	1.90E+00	2.55E+00	8.36E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-20	461465006	10/8/2018	Ce-144	-1.96E+01	9.63E+00	2.40E+01	U
WG	MW-20	461465006	10/8/2018	Co-57	1.54E+00	1.14E+00	3.74E+00	U
WG	MW-20	461465006	10/8/2018	Co-58	-4.02E-01	1.22E+00	3.75E+00	U
WG	MW-20	461465006	10/8/2018	Co-60	1.83E+00	1.71E+00	6.11E+00	U
WG	MW-20	461465006	10/8/2018	Cr-51	-3.67E-01	1.14E+01	3.88E+01	U
WG	MW-20	461465006	10/8/2018	Cs-134	6.53E-01	1.25E+00	4.23E+00	U
WG	MW-20	461465006	10/8/2018	Cs-137	-6.90E-01	1.12E+00	3.38E+00	U
WG	MW-20	461465006	10/8/2018	Fe-59	9.07E-01	2.32E+00	8.19E+00	U
WG	MW-20	461465006	10/8/2018	H-3	1.09E+02	2.68E+02	8.69E+02	U
WG	MW-20	461465006	10/8/2018	I-131	4.98E+00	2.91E+00	1.02E+01	U
WG	MW-20	461465006	10/8/2018	K-40	1.47E+01	1.31E+01	2.92E+01	U
WG	MW-20	461465006	10/8/2018	La-140	-1.85E+00	2.67E+00	7.69E+00	U
WG	MW-20	461465006	10/8/2018	Mn-54	-4.86E-01	1.36E+00	4.20E+00	U
WG	MW-20	461465006	10/8/2018	Nb-95	3.24E-01	1.23E+00	4.09E+00	U
WG	MW-20	461465006	10/8/2018	Ru-103	3.04E-01	1.38E+00	4.21E+00	U
WG	MW-20	461465006	10/8/2018	Ru-106	9.17E+00	1.05E+01	3.64E+01	U
WG	MW-20	461465006	10/8/2018	Sb-124	-2.98E+00	3.45E+00	9.46E+00	U
WG	MW-20	461465006	10/8/2018	Sb-125	-2.26E+00	2.58E+00	7.75E+00	U
WG	MW-20	461465006	10/8/2018	Se-75	-3.35E-01	1.80E+00	5.52E+00	U
WG	MW-20	461465006	10/8/2018	Th-228	-1.41E+00	2.85E+00	8.61E+00	U
WG	MW-20	461465006	10/8/2018	Zn-65	2.56E+00	2.96E+00	9.74E+00	U
WG	MW-20	461465006	10/8/2018	Zr-95	-8.20E-01	2.40E+00	7.47E+00	U
WG	W-1	461465001	10/9/2018	Ac-228	4.38E+00	7.60E+00	2.36E+01	U
WG	W-1	461465001	10/9/2018	Ag-108m	5.73E-01	1.13E+00	3.84E+00	U
WG	W-1	461465001	10/9/2018	Ag-110m	-1.08E+00	2.39E+00	4.64E+00	U
WG	W-1	461465001	10/9/2018	Ba-140	-7.22E+00	8.15E+00	2.07E+01	U
WG	W-1	461465001	10/9/2018	Be-7	-8.39E+00	1.26E+01	3.90E+01	U
WG	W-1	461465001	10/9/2018	Ce-141	-9.10E-01	2.51E+00	8.43E+00	U
WG	W-1	461465001	10/9/2018	Ce-144	-3.54E-01	8.72E+00	2.69E+01	U
WG	W-1	461465001	10/9/2018	Co-57	-2.06E+00	1.39E+00	4.05E+00	U
WG	W-1	461465001	10/9/2018	Co-58	3.23E-01	1.30E+00	3.87E+00	U
WG	W-1	461465001	10/9/2018	Co-60	2.07E+00	1.58E+00	5.79E+00	U
WG	W-1	461465001	10/9/2018	Cr-51	-2.86E+00	1.43E+01	4.74E+01	U
WG	W-1	461465001	10/9/2018	Cs-134	-1.07E+00	1.59E+00	4.70E+00	U
WG	W-1	461465001	10/9/2018	Cs-137	9.86E-01	1.31E+00	4.49E+00	U
WG	W-1	461465001	10/9/2018	Fe-59	-1.55E+00	2.76E+00	8.75E+00	U
WG	W-1	461465001	10/9/2018	H-3	2.31E+02	2.62E+02	8.32E+02	U
WG	W-1	461465001	10/9/2018	I-131	-7.04E-01	3.02E+00	9.89E+00	U
WG	W-1	461465001	10/9/2018	K-40	-2.53E+01	2.05E+01	5.45E+01	U
WG	W-1	461465001	10/9/2018	La-140	-6.21E-01	1.98E+00	6.19E+00	U
WG	W-1	461465001	10/9/2018	Mn-54	7.49E-01	1.38E+00	4.63E+00	U
WG	W-1	461465001	10/9/2018	Nb-95	9.15E-01	1.46E+00	4.93E+00	U
WG	W-1	461465001	10/9/2018	Ru-103	-2.16E+00	1.61E+00	4.49E+00	U
WG	W-1	461465001	10/9/2018	Ru-106	-6.53E+00	1.32E+01	4.08E+01	U
WG	W-1	461465001	10/9/2018	Sb-124	-4.13E+00	3.59E+00	9.29E+00	U
WG	W-1	461465001	10/9/2018	Sb-125	-4.67E+00	3.80E+00	1.09E+01	U
WG	W-1	461465001	10/9/2018	Se-75	1.83E+00	1.96E+00	6.71E+00	U
WG	W-1	461465001	10/9/2018	Th-228	-1.76E+00	3.22E+00	9.60E+00	U
WG	W-1	461465001	10/9/2018	Zn-65	8.12E-01	3.04E+00	9.48E+00	U
WG	W-1	461465001	10/9/2018	Zr-95	2.25E+00	2.42E+00	8.39E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-13	461465004	10/9/2018	Ac-228	1.73E+00	5.34E+00	1.68E+01	U
WG	W-13	461465004	10/9/2018	Ag-108m	1.75E-01	9.22E-01	3.09E+00	U
WG	W-13	461465004	10/9/2018	Ag-110m	2.24E+00	1.55E+00	5.62E+00	U
WG	W-13	461465004	10/9/2018	Ba-140	7.71E+00	6.02E+00	2.11E+01	U
WG	W-13	461465004	10/9/2018	Be-7	-1.33E+01	9.44E+00	2.52E+01	U
WG	W-13	461465004	10/9/2018	Ce-141	-2.32E+00	2.14E+00	6.21E+00	U
WG	W-13	461465004	10/9/2018	Ce-144	-6.91E+00	7.88E+00	2.37E+01	U
WG	W-13	461465004	10/9/2018	Co-57	8.50E-01	1.04E+00	3.20E+00	U
WG	W-13	461465004	10/9/2018	Co-58	1.67E-01	1.44E+00	4.38E+00	U
WG	W-13	461465004	10/9/2018	Co-60	2.64E-02	1.14E+00	3.74E+00	U
WG	W-13	461465004	10/9/2018	Cr-51	-1.48E+01	1.08E+01	2.91E+01	U
WG	W-13	461465004	10/9/2018	Cs-134	4.45E-01	1.41E+00	4.90E+00	U
WG	W-13	461465004	10/9/2018	Cs-137	-1.03E+00	9.32E-01	2.42E+00	U
WG	W-13	461465004	10/9/2018	Fe-59	-6.02E-01	2.76E+00	8.92E+00	U
WG	W-13	461465004	10/9/2018	H-3	3.08E+00	2.66E+02	8.74E+02	U
WG	W-13	461465004	10/9/2018	I-131	2.31E+00	2.26E+00	7.89E+00	U
WG	W-13	461465004	10/9/2018	K-40	-3.24E+01	2.18E+01	6.50E+01	U
WG	W-13	461465004	10/9/2018	La-140	3.68E-01	2.05E+00	6.77E+00	U
WG	W-13	461465004	10/9/2018	Mn-54	-1.44E-01	1.09E+00	3.66E+00	U
WG	W-13	461465004	10/9/2018	Nb-95	1.79E+00	1.49E+00	3.36E+00	U
WG	W-13	461465004	10/9/2018	Ru-103	-1.73E-01	1.23E+00	3.99E+00	U
WG	W-13	461465004	10/9/2018	Ru-106	1.24E+00	1.03E+01	3.35E+01	U
WG	W-13	461465004	10/9/2018	Sb-124	-2.86E+00	2.43E+00	6.02E+00	U
WG	W-13	461465004	10/9/2018	Sb-125	-2.39E+00	3.06E+00	9.40E+00	U
WG	W-13	461465004	10/9/2018	Se-75	-8.99E-01	1.30E+00	4.18E+00	U
WG	W-13	461465004	10/9/2018	Th-228	5.99E-01	3.67E+00	8.61E+00	U
WG	W-13	461465004	10/9/2018	Zn-65	1.68E+00	2.79E+00	9.68E+00	U
WG	W-13	461465004	10/9/2018	Zr-95	-1.78E+00	1.89E+00	5.07E+00	U
WG	SG-2	461465007	10/9/2018	Ac-228	-6.69E+00	4.80E+00	1.37E+01	U
WG	SG-2	461465007	10/9/2018	Ag-108m	-7.40E-01	1.07E+00	3.29E+00	U
WG	SG-2	461465007	10/9/2018	Ag-110m	-3.74E-01	1.73E+00	5.69E+00	U
WG	SG-2	461465007	10/9/2018	ALPHA	-7.52E-01	8.87E-01	3.23E+00	U
WG	SG-2	461465007	10/9/2018	Ba-140	7.59E+00	7.01E+00	2.39E+01	U
WG	SG-2	461465007	10/9/2018	Be-7	-6.32E+00	1.04E+01	3.18E+01	U
WG	SG-2	461465007	10/9/2018	BETA	3.17E+00	9.96E-01	2.84E+00	M
WG	SG-2	461465007	10/9/2018	Ce-141	-2.53E+00	2.19E+00	6.23E+00	U
WG	SG-2	461465007	10/9/2018	Ce-144	2.97E+00	6.50E+00	2.08E+01	U
WG	SG-2	461465007	10/9/2018	Co-57	5.04E-01	8.60E-01	2.57E+00	U
WG	SG-2	461465007	10/9/2018	Co-58	8.98E-01	1.18E+00	4.17E+00	U
WG	SG-2	461465007	10/9/2018	Co-60	2.23E-01	1.06E+00	3.55E+00	U
WG	SG-2	461465007	10/9/2018	Cr-51	-1.15E+01	1.09E+01	3.28E+01	U
WG	SG-2	461465007	10/9/2018	Cs-134	9.16E-01	1.23E+00	4.35E+00	U
WG	SG-2	461465007	10/9/2018	Cs-137	6.76E-01	1.25E+00	4.15E+00	U
WG	SG-2	461465007	10/9/2018	Fe-59	1.22E+00	2.50E+00	8.61E+00	U
WG	SG-2	461465007	10/9/2018	H-3	3.71E+01	1.75E+02	5.70E+02	U
WG	SG-2	461465007	10/9/2018	I-131	1.92E+00	2.33E+00	8.01E+00	U
WG	SG-2	461465007	10/9/2018	K-40	7.38E+00	1.74E+01	5.74E+01	U
WG	SG-2	461465007	10/9/2018	La-140	2.91E+00	2.28E+00	8.35E+00	U
WG	SG-2	461465007	10/9/2018	Mn-54	-7.51E-02	1.26E+00	4.23E+00	U
WG	SG-2	461465007	10/9/2018	Nb-95	3.39E+00	1.50E+00	5.12E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-2	461465007	10/9/2018	Ru-103	-5.83E-01	1.09E+00	3.32E+00	U
WG	SG-2	461465007	10/9/2018	Ru-106	1.89E+01	1.15E+01	3.90E+01	U
WG	SG-2	461465007	10/9/2018	Sb-124	-2.79E+00	3.14E+00	9.03E+00	U
WG	SG-2	461465007	10/9/2018	Sb-125	-7.73E-01	2.87E+00	9.18E+00	U
WG	SG-2	461465007	10/9/2018	Se-75	4.02E+00	1.63E+00	5.17E+00	U
WG	SG-2	461465007	10/9/2018	Th-228	-2.64E-01	2.36E+00	7.92E+00	U
WG	SG-2	461465007	10/9/2018	Zn-65	-2.64E+00	3.00E+00	7.25E+00	U
WG	SG-2	461465007	10/9/2018	Zr-95	-4.07E-01	2.08E+00	6.90E+00	U
WG	SG-2	462229001	10/9/2018	H-3	-3.07E+02	1.60E+02	5.71E+02	U
WG	W-4	462755001	10/23/2018	Ac-228	1.90E+00	6.06E+00	2.21E+01	U
WG	W-4	462755001	10/23/2018	Ag-108m	1.52E+00	1.15E+00	3.93E+00	U
WG	W-4	462755001	10/23/2018	Ag-110m	-5.01E-01	1.86E+00	6.07E+00	U
WG	W-4	462755001	10/23/2018	Ba-140	-6.68E+00	7.63E+00	1.92E+01	U
WG	W-4	462755001	10/23/2018	Be-7	-1.44E+01	1.19E+01	3.35E+01	U
WG	W-4	462755001	10/23/2018	Ce-141	-5.52E+00	3.11E+00	7.90E+00	U
WG	W-4	462755001	10/23/2018	Ce-144	1.56E+01	1.04E+01	3.27E+01	U
WG	W-4	462755001	10/23/2018	Co-57	1.06E+00	1.22E+00	3.93E+00	U
WG	W-4	462755001	10/23/2018	Co-58	-1.46E+00	1.21E+00	3.42E+00	U
WG	W-4	462755001	10/23/2018	Co-60	5.66E-01	1.39E+00	4.71E+00	U
WG	W-4	462755001	10/23/2018	Cr-51	-2.43E+00	1.28E+01	4.21E+01	U
WG	W-4	462755001	10/23/2018	Cs-134	1.48E+00	1.40E+00	4.99E+00	U
WG	W-4	462755001	10/23/2018	Cs-137	5.54E-01	1.40E+00	4.57E+00	U
WG	W-4	462755001	10/23/2018	Fe-59	1.26E+00	3.15E+00	1.07E+01	U
WG	W-4	462755001	10/23/2018	H-3	4.67E+02	1.97E+02	5.66E+02	U
WG	W-4	462755001	10/23/2018	I-131	-1.96E+00	2.39E+00	7.32E+00	U
WG	W-4	462755001	10/23/2018	K-40	3.38E+01	2.55E+01	3.65E+01	U
WG	W-4	462755001	10/23/2018	La-140	3.42E+00	2.91E+00	1.05E+01	U
WG	W-4	462755001	10/23/2018	Mn-54	1.01E+00	1.34E+00	4.67E+00	U
WG	W-4	462755001	10/23/2018	Nb-95	9.92E-01	1.73E+00	5.33E+00	U
WG	W-4	462755001	10/23/2018	Ru-103	4.98E-01	1.45E+00	4.80E+00	U
WG	W-4	462755001	10/23/2018	Ru-106	8.88E-01	1.22E+01	3.90E+01	U
WG	W-4	462755001	10/23/2018	Sb-124	-2.72E+00	3.06E+00	8.69E+00	U
WG	W-4	462755001	10/23/2018	Sb-125	-4.51E+00	3.65E+00	1.04E+01	U
WG	W-4	462755001	10/23/2018	Se-75	1.75E+00	1.73E+00	5.95E+00	U
WG	W-4	462755001	10/23/2018	Th-228	8.81E+00	4.46E+00	8.44E+00	UI
WG	W-4	462755001	10/23/2018	Zn-65	-1.30E+00	3.06E+00	8.16E+00	U
WG	W-4	462755001	10/23/2018	Zr-95	6.14E-01	2.30E+00	7.93E+00	U
WG	W-5	462755002	10/23/2018	Ac-228	-2.06E-01	5.47E+00	1.79E+01	U
WG	W-5	462755002	10/23/2018	Ag-108m	-2.04E-02	9.86E-01	3.22E+00	U
WG	W-5	462755002	10/23/2018	Ag-110m	-1.49E+00	1.65E+00	4.93E+00	U
WG	W-5	462755002	10/23/2018	Ba-140	8.10E+00	1.06E+01	2.20E+01	U
WG	W-5	462755002	10/23/2018	Be-7	8.11E+00	1.08E+01	3.51E+01	U
WG	W-5	462755002	10/23/2018	Ce-141	5.33E+00	3.60E+00	5.89E+00	U
WG	W-5	462755002	10/23/2018	Ce-144	5.31E-01	7.82E+00	2.47E+01	U
WG	W-5	462755002	10/23/2018	Co-57	1.09E+00	1.07E+00	3.17E+00	U
WG	W-5	462755002	10/23/2018	Co-58	9.28E-01	1.23E+00	4.36E+00	U
WG	W-5	462755002	10/23/2018	Co-60	-1.50E+00	1.36E+00	3.55E+00	U
WG	W-5	462755002	10/23/2018	Cr-51	-3.77E+00	1.18E+01	3.85E+01	U
WG	W-5	462755002	10/23/2018	Cs-134	-7.80E-01	1.13E+00	3.49E+00	U
WG	W-5	462755002	10/23/2018	Cs-137	2.27E-01	1.25E+00	4.03E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	462755002	10/23/2018	Fe-59	2.75E+00	2.76E+00	9.70E+00	U
WG	W-5	462755002	10/23/2018	H-3	3.96E+01	1.76E+02	5.72E+02	U
WG	W-5	462755002	10/23/2018	I-131	3.34E+00	2.27E+00	7.72E+00	U
WG	W-5	462755002	10/23/2018	K-40	9.99E+00	1.71E+01	6.16E+01	U
WG	W-5	462755002	10/23/2018	La-140	-2.53E+00	2.07E+00	4.89E+00	U
WG	W-5	462755002	10/23/2018	Mn-54	-5.07E-01	1.37E+00	4.33E+00	U
WG	W-5	462755002	10/23/2018	Nb-95	2.79E-01	1.25E+00	3.84E+00	U
WG	W-5	462755002	10/23/2018	Ru-103	-2.59E+00	1.60E+00	4.22E+00	U
WG	W-5	462755002	10/23/2018	Ru-106	-8.00E+00	1.15E+01	3.41E+01	U
WG	W-5	462755002	10/23/2018	Sb-124	6.54E+00	4.22E+00	1.05E+01	U
WG	W-5	462755002	10/23/2018	Sb-125	7.51E-01	2.91E+00	9.70E+00	U
WG	W-5	462755002	10/23/2018	Se-75	-1.30E+00	1.55E+00	4.92E+00	U
WG	W-5	462755002	10/23/2018	Th-228	1.09E+01	3.83E+00	6.44E+00	
WG	W-5	462755002	10/23/2018	Zn-65	-1.24E+00	3.06E+00	8.27E+00	U
WG	W-5	462755002	10/23/2018	Zr-95	7.76E+00	5.68E+00	7.95E+00	U
WG	W-6	462755003	10/23/2018	Ac-228	1.90E+01	1.01E+01	2.36E+01	U
WG	W-6	462755003	10/23/2018	Ag-108m	1.44E+00	1.34E+00	4.53E+00	U
WG	W-6	462755003	10/23/2018	Ag-110m	1.14E+00	1.69E+00	5.91E+00	U
WG	W-6	462755003	10/23/2018	Ba-140	1.54E+01	8.08E+00	2.70E+01	U
WG	W-6	462755003	10/23/2018	Be-7	2.39E+01	1.62E+01	4.23E+01	U
WG	W-6	462755003	10/23/2018	Ce-141	-4.03E+00	3.08E+00	8.44E+00	U
WG	W-6	462755003	10/23/2018	Ce-144	-1.39E+01	1.15E+01	2.95E+01	U
WG	W-6	462755003	10/23/2018	Co-57	-1.44E+00	1.38E+00	4.03E+00	U
WG	W-6	462755003	10/23/2018	Co-58	-1.02E-01	1.37E+00	4.53E+00	U
WG	W-6	462755003	10/23/2018	Co-60	-2.54E+00	2.19E+00	5.62E+00	U
WG	W-6	462755003	10/23/2018	Cr-51	-1.52E+00	1.39E+01	4.58E+01	U
WG	W-6	462755003	10/23/2018	Cs-134	-1.85E-01	1.62E+00	5.38E+00	U
WG	W-6	462755003	10/23/2018	Cs-137	-2.49E-01	1.47E+00	4.92E+00	U
WG	W-6	462755003	10/23/2018	Fe-59	5.03E-01	2.69E+00	8.95E+00	U
WG	W-6	462755003	10/23/2018	H-3	4.40E+02	1.99E+02	5.78E+02	U
WG	W-6	462755003	10/23/2018	I-131	5.98E+00	5.78E+00	8.22E+00	U
WG	W-6	462755003	10/23/2018	K-40	-9.65E+00	2.05E+01	6.67E+01	U
WG	W-6	462755003	10/23/2018	La-140	8.57E-01	2.27E+00	7.92E+00	U
WG	W-6	462755003	10/23/2018	Mn-54	5.35E-01	1.70E+00	5.79E+00	U
WG	W-6	462755003	10/23/2018	Nb-95	2.93E-01	1.71E+00	5.14E+00	U
WG	W-6	462755003	10/23/2018	Ru-103	4.29E-01	1.42E+00	4.68E+00	U
WG	W-6	462755003	10/23/2018	Ru-106	8.22E+00	1.31E+01	4.33E+01	U
WG	W-6	462755003	10/23/2018	Sb-124	3.57E-01	2.68E+00	9.11E+00	U
WG	W-6	462755003	10/23/2018	Sb-125	-8.27E-01	4.13E+00	1.33E+01	U
WG	W-6	462755003	10/23/2018	Se-75	-2.28E+00	2.46E+00	6.85E+00	U
WG	W-6	462755003	10/23/2018	Th-228	7.56E+00	3.91E+00	8.92E+00	U
WG	W-6	462755003	10/23/2018	Zn-65	7.28E-01	3.51E+00	1.03E+01	U
WG	W-6	462755003	10/23/2018	Zr-95	-1.22E+00	2.48E+00	7.94E+00	U
WG	SG-1	462755004	10/23/2018	Ac-228	4.79E+00	6.98E+00	2.23E+01	U
WG	SG-1	462755004	10/23/2018	Ag-108m	1.53E+00	1.28E+00	4.28E+00	U
WG	SG-1	462755004	10/23/2018	Ag-110m	-2.28E+00	2.15E+00	6.40E+00	U
WG	SG-1	462755004	10/23/2018	ALPHA	2.88E+00	1.77E+00	5.25E+00	UDL
WG	SG-1	462755004	10/23/2018	Ba-140	-1.06E+01	7.96E+00	2.14E+01	U
WG	SG-1	462755004	10/23/2018	Be-7	-1.85E+00	1.31E+01	4.16E+01	U
WG	SG-1	462755004	10/23/2018	BETA	9.34E+00	1.52E+00	3.80E+00	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-1	462755004	10/23/2018	Ce-141	1.29E+01	5.01E+00	7.19E+00	UI
WG	SG-1	462755004	10/23/2018	Ce-144	1.27E+01	1.07E+01	3.43E+01	U
WG	SG-1	462755004	10/23/2018	Co-57	6.48E-01	1.48E+00	4.53E+00	U
WG	SG-1	462755004	10/23/2018	Co-58	-3.05E-02	1.18E+00	3.97E+00	U
WG	SG-1	462755004	10/23/2018	Co-60	-9.24E-01	1.26E+00	3.65E+00	U
WG	SG-1	462755004	10/23/2018	Cr-51	-1.58E+01	1.54E+01	4.63E+01	U
WG	SG-1	462755004	10/23/2018	Cs-134	-1.38E-01	1.30E+00	4.33E+00	U
WG	SG-1	462755004	10/23/2018	Cs-137	3.46E-03	1.65E+00	4.94E+00	U
WG	SG-1	462755004	10/23/2018	Fe-59	-1.70E+00	3.62E+00	1.15E+01	U
WG	SG-1	462755004	10/23/2018	H-3	-1.11E+02	1.70E+02	5.75E+02	U
WG	SG-1	462755004	10/23/2018	I-131	1.14E+00	2.74E+00	9.05E+00	U
WG	SG-1	462755004	10/23/2018	K-40	-1.30E+01	1.92E+01	5.84E+01	U
WG	SG-1	462755004	10/23/2018	La-140	7.36E-01	2.00E+00	6.83E+00	U
WG	SG-1	462755004	10/23/2018	Mn-54	-2.45E-01	1.34E+00	4.45E+00	U
WG	SG-1	462755004	10/23/2018	Nb-95	1.81E+00	1.85E+00	5.84E+00	U
WG	SG-1	462755004	10/23/2018	Ru-103	-1.38E+00	1.55E+00	4.53E+00	U
WG	SG-1	462755004	10/23/2018	Ru-106	1.68E+01	1.61E+01	3.38E+01	U
WG	SG-1	462755004	10/23/2018	Sb-124	1.59E+00	3.10E+00	1.07E+01	U
WG	SG-1	462755004	10/23/2018	Sb-125	2.74E+00	4.15E+00	1.37E+01	U
WG	SG-1	462755004	10/23/2018	Se-75	-5.28E-01	1.84E+00	5.94E+00	U
WG	SG-1	462755004	10/23/2018	Th-228	7.40E+00	5.26E+00	8.51E+00	U
WG	SG-1	462755004	10/23/2018	Zn-65	3.21E+00	2.94E+00	9.58E+00	U
WG	SG-1	462755004	10/23/2018	Zr-95	1.80E+00	2.65E+00	9.24E+00	U
WG	SG-4	462755005	10/23/2018	Ac-228	-7.64E-01	4.74E+00	1.60E+01	U
WG	SG-4	462755005	10/23/2018	Ag-108m	1.56E+00	1.40E+00	3.65E+00	U
WG	SG-4	462755005	10/23/2018	Ag-110m	-2.92E-01	1.56E+00	4.86E+00	U
WG	SG-4	462755005	10/23/2018	ALPHA	2.98E+00	1.03E+00	2.60E+00	M
WG	SG-4	462755005	10/23/2018	Ba-140	-7.87E-01	6.42E+00	2.09E+01	U
WG	SG-4	462755005	10/23/2018	Be-7	3.03E+00	9.63E+00	3.24E+01	U
WG	SG-4	462755005	10/23/2018	BETA	6.69E+00	1.07E+00	2.62E+00	
WG	SG-4	462755005	10/23/2018	Ce-141	-1.76E+00	2.37E+00	7.20E+00	U
WG	SG-4	462755005	10/23/2018	Ce-144	-9.71E+00	8.70E+00	2.56E+01	U
WG	SG-4	462755005	10/23/2018	Co-57	1.32E+00	1.06E+00	3.40E+00	U
WG	SG-4	462755005	10/23/2018	Co-58	1.97E-01	1.21E+00	3.91E+00	U
WG	SG-4	462755005	10/23/2018	Co-60	3.25E-01	9.92E-01	3.41E+00	U
WG	SG-4	462755005	10/23/2018	Cr-51	6.07E+00	1.11E+01	3.80E+01	U
WG	SG-4	462755005	10/23/2018	Cs-134	-1.80E-01	1.18E+00	3.71E+00	U
WG	SG-4	462755005	10/23/2018	Cs-137	4.61E-01	1.28E+00	3.75E+00	U
WG	SG-4	462755005	10/23/2018	Fe-59	-1.88E+00	2.50E+00	7.72E+00	U
WG	SG-4	462755005	10/23/2018	H-3	4.51E+01	1.78E+02	5.80E+02	U
WG	SG-4	462755005	10/23/2018	I-131	5.72E-01	2.15E+00	7.30E+00	U
WG	SG-4	462755005	10/23/2018	K-40	1.46E+01	3.46E+01	4.48E+01	U
WG	SG-4	462755005	10/23/2018	La-140	-6.64E-01	2.06E+00	6.45E+00	U
WG	SG-4	462755005	10/23/2018	Mn-54	1.22E+00	1.31E+00	4.36E+00	U
WG	SG-4	462755005	10/23/2018	Nb-95	1.95E+00	1.46E+00	4.50E+00	U
WG	SG-4	462755005	10/23/2018	Ru-103	-1.78E+00	1.35E+00	3.89E+00	U
WG	SG-4	462755005	10/23/2018	Ru-106	8.98E+00	1.12E+01	3.45E+01	U
WG	SG-4	462755005	10/23/2018	Sb-124	2.49E+00	2.87E+00	1.01E+01	U
WG	SG-4	462755005	10/23/2018	Sb-125	-4.95E-01	3.64E+00	1.15E+01	U
WG	SG-4	462755005	10/23/2018	Se-75	-1.62E+00	1.70E+00	5.46E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-4	462755005	10/23/2018	Th-228	1.73E+00	2.85E+00	9.03E+00	U
WG	SG-4	462755005	10/23/2018	Zn-65	-4.48E-01	2.70E+00	7.80E+00	U
WG	SG-4	462755005	10/23/2018	Zr-95	9.04E-01	1.75E+00	5.86E+00	U
WG	SG-5	462755006	10/23/2018	Ac-228	-9.83E+00	6.54E+00	1.57E+01	U
WG	SG-5	462755006	10/23/2018	Ag-108m	-4.09E-01	1.13E+00	3.67E+00	U
WG	SG-5	462755006	10/23/2018	Ag-110m	1.65E-01	1.72E+00	5.53E+00	U
WG	SG-5	462755006	10/23/2018	ALPHA	2.09E+00	1.02E+00	2.41E+00	U
WG	SG-5	462755006	10/23/2018	Ba-140	-1.36E+01	6.82E+00	1.68E+01	U
WG	SG-5	462755006	10/23/2018	Be-7	1.65E+01	9.43E+00	2.76E+01	U
WG	SG-5	462755006	10/23/2018	BETA	1.67E+01	1.92E+00	2.77E+00	
WG	SG-5	462755006	10/23/2018	Ce-141	7.88E-01	2.27E+00	6.88E+00	U
WG	SG-5	462755006	10/23/2018	Ce-144	-4.23E+00	8.03E+00	2.52E+01	U
WG	SG-5	462755006	10/23/2018	Co-57	-3.83E-01	1.04E+00	3.33E+00	U
WG	SG-5	462755006	10/23/2018	Co-58	2.89E-02	1.13E+00	3.64E+00	U
WG	SG-5	462755006	10/23/2018	Co-60	6.87E-01	1.27E+00	4.41E+00	U
WG	SG-5	462755006	10/23/2018	Cr-51	1.81E+00	9.23E+00	3.19E+01	U
WG	SG-5	462755006	10/23/2018	Cs-134	-4.27E-01	1.13E+00	3.45E+00	U
WG	SG-5	462755006	10/23/2018	Cs-137	-3.80E-01	1.11E+00	3.49E+00	U
WG	SG-5	462755006	10/23/2018	Fe-59	4.81E+00	2.48E+00	8.84E+00	U
WG	SG-5	462755006	10/23/2018	H-3	-3.15E+01	1.74E+02	5.78E+02	U
WG	SG-5	462755006	10/23/2018	I-131	1.89E+00	1.93E+00	6.73E+00	U
WG	SG-5	462755006	10/23/2018	K-40	-2.87E+01	1.80E+01	5.31E+01	U
WG	SG-5	462755006	10/23/2018	La-140	-2.84E+00	2.46E+00	6.66E+00	U
WG	SG-5	462755006	10/23/2018	Mn-54	-4.57E-01	1.13E+00	3.47E+00	U
WG	SG-5	462755006	10/23/2018	Nb-95	-1.70E+00	1.39E+00	3.07E+00	U
WG	SG-5	462755006	10/23/2018	Ru-103	1.12E-01	1.36E+00	4.54E+00	U
WG	SG-5	462755006	10/23/2018	Ru-106	-1.62E+01	1.05E+01	2.76E+01	U
WG	SG-5	462755006	10/23/2018	Sb-124	-3.12E+00	2.48E+00	5.86E+00	U
WG	SG-5	462755006	10/23/2018	Sb-125	4.00E+00	3.51E+00	1.21E+01	U
WG	SG-5	462755006	10/23/2018	Se-75	-3.12E+00	1.79E+00	4.48E+00	U
WG	SG-5	462755006	10/23/2018	Th-228	7.94E+00	4.67E+00	5.97E+00	UI
WG	SG-5	462755006	10/23/2018	Zn-65	3.30E-01	2.25E+00	6.81E+00	U
WG	SG-5	462755006	10/23/2018	Zr-95	6.13E-02	1.88E+00	6.07E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV (pCi/L)	MDC (pCi/L)		FLAGS
WS	SWL-2	444977001	2/28/2018	Ac-228	1.39E+00	1.46E+01	2.33E+01	U	
WS	SWL-2	444977001	2/28/2018	Ag-108m	-2.91E+00	3.36E+00	5.25E+00	U	
WS	SWL-2	444977001	2/28/2018	Ag-110m	-4.09E+00	2.53E+00	7.42E+00	U	
WS	SWL-2	444977001	2/28/2018	Ba-140	3.27E+00	1.64E+01	5.28E+01	U	
WS	SWL-2	444977001	2/28/2018	Be-7	-8.55E-01	1.73E+01	5.56E+01	U	
WS	SWL-2	444977001	2/28/2018	Ce-141	-1.65E+00	5.47E+00	1.07E+01	U	
WS	SWL-2	444977001	2/28/2018	Ce-144	3.24E-01	9.46E+00	3.24E+01	U	
WS	SWL-2	444977001	2/28/2018	Co-57	6.77E-01	1.23E+00	4.21E+00	U	
WS	SWL-2	444977001	2/28/2018	Co-58	1.15E+00	1.94E+00	6.56E+00	U	
WS	SWL-2	444977001	2/28/2018	Co-60	3.76E+00	1.85E+00	5.81E+00	U	
WS	SWL-2	444977001	2/28/2018	Cr-51	-1.06E+01	2.17E+01	6.72E+01	U	
WS	SWL-2	444977001	2/28/2018	Cs-134	-5.11E-02	1.77E+00	5.93E+00	U	
WS	SWL-2	444977001	2/28/2018	Cs-137	1.16E+00	1.66E+00	5.66E+00	U	
WS	SWL-2	444977001	2/28/2018	Fe-59	6.38E-01	3.48E+00	1.15E+01	U	
WS	SWL-2	444977001	2/28/2018	I-131	1.11E+01	1.62E+01	2.85E+01	U	
WS	SWL-2	444977001	2/28/2018	K-40	-4.22E+00	3.48E+01	7.11E+01	U	
WS	SWL-2	444977001	2/28/2018	La-140	-3.52E+00	5.81E+00	1.79E+01	U	DL
WS	SWL-2	444977001	2/28/2018	Mn-54	-1.66E-01	1.75E+00	5.84E+00	U	
WS	SWL-2	444977001	2/28/2018	Nb-95	1.30E+00	2.05E+00	6.94E+00	U	
WS	SWL-2	444977001	2/28/2018	Ru-103	-1.26E+00	2.37E+00	6.62E+00	U	
WS	SWL-2	444977001	2/28/2018	Ru-106	1.98E+01	1.64E+01	5.16E+01	U	
WS	SWL-2	444977001	2/28/2018	Sb-124	1.19E+00	4.05E+00	1.38E+01	U	
WS	SWL-2	444977001	2/28/2018	Sb-125	7.73E+00	4.80E+00	1.50E+01	U	
WS	SWL-2	444977001	2/28/2018	Se-75	-1.47E+00	2.27E+00	7.39E+00	U	
WS	SWL-2	444977001	2/28/2018	Th-228	2.30E+00	6.85E+00	8.98E+00	U	
WS	SWL-2	444977001	2/28/2018	Zn-65	3.45E+00	3.21E+00	1.07E+01	U	
WS	SWL-2	444977001	2/28/2018	Zr-95	5.92E-01	3.52E+00	1.19E+01	U	
WS	SWL-3	444977002	2/28/2018	Ac-228	-2.71E+00	8.69E+00	2.43E+01	U	
WS	SWL-3	444977002	2/28/2018	Ag-108m	-1.09E+00	1.25E+00	3.90E+00	U	
WS	SWL-3	444977002	2/28/2018	Ag-110m	-1.38E+00	2.09E+00	6.21E+00	U	
WS	SWL-3	444977002	2/28/2018	Ba-140	5.57E+00	1.43E+01	4.82E+01	U	
WS	SWL-3	444977002	2/28/2018	Be-7	3.08E+00	1.46E+01	4.43E+01	U	
WS	SWL-3	444977002	2/28/2018	Ce-141	5.64E+00	6.16E+00	8.97E+00	U	
WS	SWL-3	444977002	2/28/2018	Ce-144	1.29E+01	9.96E+00	2.40E+01	U	
WS	SWL-3	444977002	2/28/2018	Co-57	3.32E-01	1.27E+00	4.13E+00	U	
WS	SWL-3	444977002	2/28/2018	Co-58	-6.23E-01	1.86E+00	5.81E+00	U	
WS	SWL-3	444977002	2/28/2018	Co-60	8.93E-01	1.72E+00	5.34E+00	U	
WS	SWL-3	444977002	2/28/2018	Cr-51	1.81E+01	1.79E+01	6.18E+01	U	
WS	SWL-3	444977002	2/28/2018	Cs-134	-1.36E-01	1.65E+00	5.27E+00	U	
WS	SWL-3	444977002	2/28/2018	Cs-137	-1.59E+00	1.63E+00	4.12E+00	U	
WS	SWL-3	444977002	2/28/2018	Fe-59	-2.69E-01	3.51E+00	1.18E+01	U	
WS	SWL-3	444977002	2/28/2018	I-131	-6.90E+00	8.63E+00	2.35E+01	U	
WS	SWL-3	444977002	2/28/2018	K-40	4.72E+01	3.64E+01	4.99E+01	U	
WS	SWL-3	444977002	2/28/2018	La-140	-5.08E+00	4.64E+00	1.24E+01	U	
WS	SWL-3	444977002	2/28/2018	Mn-54	2.49E+00	1.82E+00	5.60E+00	U	
WS	SWL-3	444977002	2/28/2018	Nb-95	-1.68E+00	2.35E+00	6.34E+00	U	
WS	SWL-3	444977002	2/28/2018	Ru-103	1.25E+00	1.98E+00	6.71E+00	U	
WS	SWL-3	444977002	2/28/2018	Ru-106	-1.22E+01	1.38E+01	4.17E+01	U	
WS	SWL-3	444977002	2/28/2018	Sb-124	1.86E+00	3.99E+00	1.37E+01	U	
WS	SWL-3	444977002	2/28/2018	Sb-125	-1.62E+00	3.71E+00	1.21E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	444977002	2/28/2018	Se-75	3.14E-01	1.87E+00	6.48E+00	U
WS	SWL-3	444977002	2/28/2018	Th-228	1.29E+01	6.78E+00	1.25E+01	UI
WS	SWL-3	444977002	2/28/2018	Zn-65	-3.50E-01	3.47E+00	1.16E+01	U
WS	SWL-3	444977002	2/28/2018	Zr-95	3.97E+00	2.97E+00	1.01E+01	U
WS	SWL-2	447123001	3/31/2018	Ac-228	-8.83E-01	4.36E+00	1.34E+01	U
WS	SWL-2	447123001	3/31/2018	Ag-108m	1.01E+00	8.50E-01	2.91E+00	U
WS	SWL-2	447123001	3/31/2018	Ag-110m	-1.37E+00	1.26E+00	3.43E+00	U
WS	SWL-2	447123001	3/31/2018	Ba-140	-7.72E-01	1.04E+01	3.41E+01	U
WS	SWL-2	447123001	3/31/2018	Be-7	1.79E+00	9.77E+00	3.28E+01	U
WS	SWL-2	447123001	3/31/2018	Ce-141	-2.12E+00	3.11E+00	8.46E+00	U
WS	SWL-2	447123001	3/31/2018	Ce-144	-6.39E+00	7.04E+00	2.10E+01	U
WS	SWL-2	447123001	3/31/2018	Co-57	-6.66E-01	9.01E-01	2.74E+00	U
WS	SWL-2	447123001	3/31/2018	Co-58	3.53E-01	1.02E+00	3.38E+00	U
WS	SWL-2	447123001	3/31/2018	Co-60	7.02E-01	7.52E-01	2.76E+00	U
WS	SWL-2	447123001	3/31/2018	Cr-51	5.75E+00	1.29E+01	4.46E+01	U
WS	SWL-2	447123001	3/31/2018	Cs-134	-2.23E+00	1.22E+00	2.44E+00	U
WS	SWL-2	447123001	3/31/2018	Cs-137	7.79E-01	9.73E-01	3.31E+00	U
WS	SWL-2	447123001	3/31/2018	Fe-59	-2.66E+00	2.32E+00	6.71E+00	U
WS	SWL-2	447123001	3/31/2018	I-131	-2.14E+00	6.05E+00	1.99E+01	U
WS	SWL-2	447123001	3/31/2018	K-40	3.44E+01	2.17E+01	2.68E+01	UI
WS	SWL-2	447123001	3/31/2018	La-140	-8.80E-01	3.65E+00	1.17E+01	U
WS	SWL-2	447123001	3/31/2018	Mn-54	-1.03E-02	8.11E-01	2.61E+00	U
WS	SWL-2	447123001	3/31/2018	Nb-95	7.56E-01	1.06E+00	3.60E+00	U
WS	SWL-2	447123001	3/31/2018	Ru-103	-3.78E+00	1.48E+00	3.02E+00	U
WS	SWL-2	447123001	3/31/2018	Ru-106	6.07E+00	8.68E+00	2.95E+01	U
WS	SWL-2	447123001	3/31/2018	Sb-124	6.90E-01	2.22E+00	7.64E+00	U
WS	SWL-2	447123001	3/31/2018	Sb-125	-1.10E-01	2.91E+00	8.01E+00	U
WS	SWL-2	447123001	3/31/2018	Se-75	7.41E-01	1.29E+00	4.48E+00	U
WS	SWL-2	447123001	3/31/2018	Th-228	6.66E+00	4.21E+00	7.26E+00	U
WS	SWL-2	447123001	3/31/2018	Zn-65	-2.49E+00	1.93E+00	5.41E+00	U
WS	SWL-2	447123001	3/31/2018	Zr-95	-2.13E+00	1.96E+00	5.50E+00	U
WS	SWL-2	447123002	3/31/2018	H-3	-3.96E+01	1.79E+02	5.95E+02	U
WS	SWL-3	447123003	3/31/2018	Ac-228	4.36E+00	6.78E+00	1.18E+01	U
WS	SWL-3	447123003	3/31/2018	Ag-108m	-4.56E-01	5.16E-01	1.66E+00	U
WS	SWL-3	447123003	3/31/2018	Ag-110m	-1.67E+00	1.04E+00	2.77E+00	U
WS	SWL-3	447123003	3/31/2018	Ba-140	-8.34E+00	1.01E+01	2.84E+01	U
WS	SWL-3	447123003	3/31/2018	Be-7	9.63E+00	7.02E+00	2.36E+01	U
WS	SWL-3	447123003	3/31/2018	Ce-141	-6.26E+00	2.80E+00	4.84E+00	U
WS	SWL-3	447123003	3/31/2018	Ce-144	-1.13E+00	6.08E+00	1.35E+01	U
WS	SWL-3	447123003	3/31/2018	Co-57	7.95E-01	5.67E-01	1.84E+00	U
WS	SWL-3	447123003	3/31/2018	Co-58	-3.27E-01	7.84E-01	2.46E+00	U
WS	SWL-3	447123003	3/31/2018	Co-60	1.05E+00	7.53E-01	2.59E+00	U
WS	SWL-3	447123003	3/31/2018	Cr-51	5.43E+00	9.59E+00	3.03E+01	U
WS	SWL-3	447123003	3/31/2018	Cs-134	-1.08E+00	7.81E-01	2.19E+00	U
WS	SWL-3	447123003	3/31/2018	Cs-137	4.88E-01	7.22E-01	2.41E+00	U
WS	SWL-3	447123003	3/31/2018	Fe-59	1.13E-01	2.08E+00	6.23E+00	U
WS	SWL-3	447123003	3/31/2018	I-131	-9.70E-01	4.63E+00	1.58E+01	U
WS	SWL-3	447123003	3/31/2018	K-40	6.16E+01	1.28E+01	2.90E+01	UI
WS	SWL-3	447123003	3/31/2018	La-140	-5.02E+00	3.58E+00	9.89E+00	U
WS	SWL-3	447123003	3/31/2018	Mn-54	9.73E-01	7.29E-01	2.40E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	447123003	3/31/2018	Nb-95	-2.87E-01	8.64E-01	2.75E+00	U
WS	SWL-3	447123003	3/31/2018	Ru-103	1.05E+00	9.53E-01	3.22E+00	U
WS	SWL-3	447123003	3/31/2018	Ru-106	2.00E+00	5.84E+00	1.95E+01	U
WS	SWL-3	447123003	3/31/2018	Sb-124	1.76E+00	1.96E+00	6.73E+00	U
WS	SWL-3	447123003	3/31/2018	Sb-125	2.59E+00	1.82E+00	6.12E+00	U
WS	SWL-3	447123003	3/31/2018	Se-75	-7.36E-01	9.72E-01	2.97E+00	U
WS	SWL-3	447123003	3/31/2018	Th-228	7.81E-01	2.82E+00	3.93E+00	U
WS	SWL-3	447123003	3/31/2018	Zn-65	-5.99E-02	1.63E+00	4.83E+00	U
WS	SWL-3	447123003	3/31/2018	Zr-95	-5.12E-01	1.52E+00	4.84E+00	U
WS	SWL-3	447123004	3/31/2018	H-3	1.50E+02	1.87E+02	5.87E+02	U
WS	SWL-2	449362001	4/30/2018	Ac-228	-6.17E+00	3.76E+00	6.62E+00	U
WS	SWL-2	449362001	4/30/2018	Ag-108m	1.32E-01	3.73E-01	1.25E+00	U
WS	SWL-2	449362001	4/30/2018	Ag-110m	1.43E+00	6.81E-01	2.07E+00	U
WS	SWL-2	449362001	4/30/2018	Ba-140	6.31E+00	4.39E+00	1.43E+01	U
WS	SWL-2	449362001	4/30/2018	Be-7	1.56E+00	4.11E+00	1.37E+01	U
WS	SWL-2	449362001	4/30/2018	Ce-141	-3.00E+00	1.27E+00	3.18E+00	U
WS	SWL-2	449362001	4/30/2018	Ce-144	-1.29E+00	3.15E+00	9.14E+00	U
WS	SWL-2	449362001	4/30/2018	Co-57	3.02E-01	3.85E-01	1.23E+00	U
WS	SWL-2	449362001	4/30/2018	Co-58	-8.57E-01	5.17E-01	1.40E+00	U
WS	SWL-2	449362001	4/30/2018	Co-60	3.40E-01	4.13E-01	1.40E+00	U
WS	SWL-2	449362001	4/30/2018	Cr-51	-1.53E+00	5.48E+00	1.84E+01	U
WS	SWL-2	449362001	4/30/2018	Cs-134	-6.98E-01	5.01E-01	1.42E+00	U
WS	SWL-2	449362001	4/30/2018	Cs-137	3.33E-01	4.58E-01	1.50E+00	U
WS	SWL-2	449362001	4/30/2018	Fe-59	5.37E+00	3.70E+00	3.63E+00	UI
WS	SWL-2	449362001	4/30/2018	I-131	6.74E+00	4.56E+00	8.55E+00	U
WS	SWL-2	449362001	4/30/2018	K-40	7.25E-01	1.26E+01	1.29E+01	U
WS	SWL-2	449362001	4/30/2018	La-140	-1.75E+00	1.60E+00	4.71E+00	U
WS	SWL-2	449362001	4/30/2018	Mn-54	-3.26E-01	4.03E-01	1.21E+00	U
WS	SWL-2	449362001	4/30/2018	Nb-95	-2.78E-01	5.34E-01	1.67E+00	U
WS	SWL-2	449362001	4/30/2018	Ru-103	7.27E-01	6.14E-01	1.83E+00	U
WS	SWL-2	449362001	4/30/2018	Ru-106	-1.16E-02	3.95E+00	1.28E+01	U
WS	SWL-2	449362001	4/30/2018	Sb-124	-1.36E+00	1.12E+00	3.19E+00	U
WS	SWL-2	449362001	4/30/2018	Sb-125	-5.00E-01	1.08E+00	3.52E+00	U
WS	SWL-2	449362001	4/30/2018	Se-75	1.04E+00	8.55E-01	2.10E+00	U
WS	SWL-2	449362001	4/30/2018	Th-228	1.43E+00	1.79E+00	3.01E+00	U
WS	SWL-2	449362001	4/30/2018	Zn-65	3.33E+00	1.61E+00	2.84E+00	UI
WS	SWL-2	449362001	4/30/2018	Zr-95	6.19E-01	8.90E-01	2.89E+00	U
WS	SWL-3	449362002	4/30/2018	Ac-228	-4.06E+00	3.70E+00	6.38E+00	U
WS	SWL-3	449362002	4/30/2018	Ag-108m	-1.93E-01	3.88E-01	1.15E+00	U
WS	SWL-3	449362002	4/30/2018	Ag-110m	3.73E-01	9.11E-01	1.60E+00	U
WS	SWL-3	449362002	4/30/2018	Ba-140	-3.03E+00	4.54E+00	1.47E+01	U
WS	SWL-3	449362002	4/30/2018	Be-7	-7.94E+00	4.44E+00	1.28E+01	U
WS	SWL-3	449362002	4/30/2018	Ce-141	1.67E+00	2.30E+00	3.36E+00	U
WS	SWL-3	449362002	4/30/2018	Ce-144	5.07E+00	3.34E+00	1.03E+01	U
WS	SWL-3	449362002	4/30/2018	Co-57	2.14E-01	4.09E-01	1.32E+00	U
WS	SWL-3	449362002	4/30/2018	Co-58	-1.06E-02	4.94E-01	1.44E+00	U
WS	SWL-3	449362002	4/30/2018	Co-60	1.52E-01	4.25E-01	1.37E+00	U
WS	SWL-3	449362002	4/30/2018	Cr-51	-1.95E+00	5.53E+00	1.88E+01	U
WS	SWL-3	449362002	4/30/2018	Cs-134	-9.54E-02	4.09E-01	1.32E+00	U
WS	SWL-3	449362002	4/30/2018	Cs-137	2.54E-01	4.05E-01	1.36E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	449362002	4/30/2018	Fe-59	-1.81E-01	1.07E+00	3.40E+00	U
WS	SWL-3	449362002	4/30/2018	I-131	3.19E+00	4.23E+00	9.00E+00	U
WS	SWL-3	449362002	4/30/2018	K-40	6.05E+00	1.09E+01	1.26E+01	U
WS	SWL-3	449362002	4/30/2018	La-140	-2.34E+00	1.57E+00	4.53E+00	U
WS	SWL-3	449362002	4/30/2018	Mn-54	8.10E-01	4.46E-01	1.42E+00	U
WS	SWL-3	449362002	4/30/2018	Nb-95	-3.85E-01	4.94E-01	1.55E+00	U
WS	SWL-3	449362002	4/30/2018	Ru-103	-5.63E-01	5.73E-01	1.82E+00	U
WS	SWL-3	449362002	4/30/2018	Ru-106	-6.11E+00	3.89E+00	1.13E+01	U
WS	SWL-3	449362002	4/30/2018	Sb-124	4.45E-01	1.05E+00	3.60E+00	U
WS	SWL-3	449362002	4/30/2018	Sb-125	8.99E-01	1.19E+00	3.67E+00	U
WS	SWL-3	449362002	4/30/2018	Se-75	6.03E-01	6.68E-01	2.08E+00	U
WS	SWL-3	449362002	4/30/2018	Th-228	8.62E-02	1.35E+00	3.11E+00	U
WS	SWL-3	449362002	4/30/2018	Zn-65	1.29E-02	8.01E-01	2.57E+00	U
WS	SWL-3	449362002	4/30/2018	Zr-95	3.50E-01	8.64E-01	2.87E+00	U
WS	SWL-2	451716001	5/31/2018	Ac-228	2.22E+00	4.70E+00	1.32E+01	U
WS	SWL-2	451716001	5/31/2018	Ag-108m	4.64E-01	8.06E-01	2.65E+00	U
WS	SWL-2	451716001	5/31/2018	Ag-110m	5.54E-01	1.12E+00	3.85E+00	U
WS	SWL-2	451716001	5/31/2018	Ba-140	-1.37E+01	1.12E+01	3.14E+01	U
WS	SWL-2	451716001	5/31/2018	Be-7	7.61E+00	1.08E+01	3.19E+01	U
WS	SWL-2	451716001	5/31/2018	Ce-141	-4.25E+00	3.14E+00	7.77E+00	U
WS	SWL-2	451716001	5/31/2018	Ce-144	3.94E+00	1.11E+01	2.33E+01	U
WS	SWL-2	451716001	5/31/2018	Co-57	1.44E+00	1.65E+00	3.07E+00	U
WS	SWL-2	451716001	5/31/2018	Co-58	-6.21E-01	1.00E+00	3.20E+00	U
WS	SWL-2	451716001	5/31/2018	Co-60	3.14E-01	1.00E+00	3.36E+00	U
WS	SWL-2	451716001	5/31/2018	Cr-51	-1.53E+01	1.47E+01	3.91E+01	U
WS	SWL-2	451716001	5/31/2018	Cs-134	2.79E-01	9.89E-01	3.38E+00	U
WS	SWL-2	451716001	5/31/2018	Cs-137	-1.11E+00	9.88E-01	3.02E+00	U
WS	SWL-2	451716001	5/31/2018	Fe-59	1.41E+00	1.89E+00	6.57E+00	U
WS	SWL-2	451716001	5/31/2018	I-131	9.12E+00	6.70E+00	2.19E+01	U
WS	SWL-2	451716001	5/31/2018	K-40	1.99E+01	1.43E+01	2.80E+01	U
WS	SWL-2	451716001	5/31/2018	La-140	-1.50E+00	3.33E+00	1.02E+01	U
WS	SWL-2	451716001	5/31/2018	Mn-54	4.06E-01	8.90E-01	3.06E+00	U
WS	SWL-2	451716001	5/31/2018	Nb-95	4.52E-01	9.09E-01	3.15E+00	U
WS	SWL-2	451716001	5/31/2018	Ru-103	-1.70E+00	1.46E+00	4.20E+00	U
WS	SWL-2	451716001	5/31/2018	Ru-106	3.84E+00	7.84E+00	2.72E+01	U
WS	SWL-2	451716001	5/31/2018	Sb-124	4.57E+00	2.85E+00	9.95E+00	U
WS	SWL-2	451716001	5/31/2018	Sb-125	1.57E+00	2.47E+00	8.12E+00	U
WS	SWL-2	451716001	5/31/2018	Se-75	1.22E-03	1.27E+00	3.72E+00	U
WS	SWL-2	451716001	5/31/2018	Th-228	5.65E+00	3.45E+00	6.25E+00	U
WS	SWL-2	451716001	5/31/2018	Zn-65	5.86E-01	1.77E+00	5.98E+00	U
WS	SWL-2	451716001	5/31/2018	Zr-95	7.26E-01	1.80E+00	6.20E+00	U
WS	SWL-3	451716002	5/31/2018	Ac-228	3.81E+00	4.77E+00	1.29E+01	U
WS	SWL-3	451716002	5/31/2018	Ag-108m	9.31E-01	7.00E-01	2.38E+00	U
WS	SWL-3	451716002	5/31/2018	Ag-110m	1.17E+00	1.14E+00	3.84E+00	U
WS	SWL-3	451716002	5/31/2018	Ba-140	-4.10E+00	8.94E+00	2.85E+01	U
WS	SWL-3	451716002	5/31/2018	Be-7	-4.89E+00	8.06E+00	2.57E+01	U
WS	SWL-3	451716002	5/31/2018	Ce-141	-6.29E+00	3.05E+00	6.33E+00	U
WS	SWL-3	451716002	5/31/2018	Ce-144	-1.46E+00	5.77E+00	1.84E+01	U
WS	SWL-3	451716002	5/31/2018	Co-57	2.72E-01	7.61E-01	2.48E+00	U
WS	SWL-3	451716002	5/31/2018	Co-58	8.92E-02	7.13E-01	2.32E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	451716002	5/31/2018	Co-60	-1.37E+00	8.32E-01	2.07E+00	U
WS	SWL-3	451716002	5/31/2018	Cr-51	-8.52E+00	1.08E+01	3.48E+01	U
WS	SWL-3	451716002	5/31/2018	Cs-134	-1.43E-01	9.26E-01	2.61E+00	U
WS	SWL-3	451716002	5/31/2018	Cs-137	4.07E-01	1.08E+00	3.08E+00	U
WS	SWL-3	451716002	5/31/2018	Fe-59	-9.97E-01	2.07E+00	6.70E+00	U
WS	SWL-3	451716002	5/31/2018	I-131	-2.93E+00	5.30E+00	1.73E+01	U
WS	SWL-3	451716002	5/31/2018	K-40	2.12E+01	1.72E+01	2.00E+01	UI
WS	SWL-3	451716002	5/31/2018	La-140	3.07E+00	3.04E+00	1.08E+01	U
WS	SWL-3	451716002	5/31/2018	Mn-54	1.72E-01	7.26E-01	2.37E+00	U
WS	SWL-3	451716002	5/31/2018	Nb-95	1.30E+00	1.07E+00	3.58E+00	U
WS	SWL-3	451716002	5/31/2018	Ru-103	-1.63E-01	1.05E+00	3.07E+00	U
WS	SWL-3	451716002	5/31/2018	Ru-106	-3.03E+00	6.64E+00	2.09E+01	U
WS	SWL-3	451716002	5/31/2018	Sb-124	4.60E-01	2.40E+00	7.98E+00	U
WS	SWL-3	451716002	5/31/2018	Sb-125	-2.85E-01	1.95E+00	6.47E+00	U
WS	SWL-3	451716002	5/31/2018	Se-75	1.16E-01	1.05E+00	3.61E+00	U
WS	SWL-3	451716002	5/31/2018	Th-228	5.15E+00	3.14E+00	6.64E+00	U
WS	SWL-3	451716002	5/31/2018	Zn-65	1.37E+00	1.75E+00	6.12E+00	U
WS	SWL-3	451716002	5/31/2018	Zr-95	6.15E+00	6.03E+00	5.07E+00	UI
WS	SWL-2	453832001	6/30/2018	Ac-228	6.72E+00	2.80E+00	8.59E+00	U
WS	SWL-2	453832001	6/30/2018	Ag-108m	3.67E-01	4.91E-01	1.63E+00	U
WS	SWL-2	453832001	6/30/2018	Ag-110m	-1.35E+00	8.62E-01	2.42E+00	U
WS	SWL-2	453832001	6/30/2018	Ba-140	5.42E+00	7.40E+00	2.42E+01	U
WS	SWL-2	453832001	6/30/2018	Be-7	2.04E+00	5.83E+00	1.92E+01	U
WS	SWL-2	453832001	6/30/2018	Ce-141	-3.15E+00	1.43E+00	3.74E+00	U
WS	SWL-2	453832001	6/30/2018	Ce-144	4.90E+00	3.65E+00	1.18E+01	U
WS	SWL-2	453832001	6/30/2018	Co-57	6.84E-01	4.83E-01	1.56E+00	U
WS	SWL-2	453832001	6/30/2018	Co-58	-1.12E+00	7.40E-01	2.13E+00	U
WS	SWL-2	453832001	6/30/2018	Co-60	-8.48E-02	5.93E-01	1.92E+00	U
WS	SWL-2	453832001	6/30/2018	Cr-51	-1.65E+01	8.47E+00	2.39E+01	U
WS	SWL-2	453832001	6/30/2018	Cs-134	-1.79E-01	6.07E-01	1.99E+00	U
WS	SWL-2	453832001	6/30/2018	Cs-137	3.72E-01	6.36E-01	1.95E+00	U
WS	SWL-2	453832001	6/30/2018	Fe-59	-3.76E+00	2.08E+00	4.51E+00	U
WS	SWL-2	453832001	6/30/2018	I-131	-5.15E-01	4.08E+00	1.36E+01	U
WS	SWL-2	453832001	6/30/2018	K-40	-1.56E+01	1.20E+01	2.90E+01	U
WS	SWL-2	453832001	6/30/2018	La-140	-4.40E+00	3.09E+00	8.67E+00	U
WS	SWL-2	453832001	6/30/2018	Mn-54	-2.33E-02	5.75E-01	1.91E+00	U
WS	SWL-2	453832001	6/30/2018	Nb-95	-8.21E-01	6.21E-01	1.84E+00	U
WS	SWL-2	453832001	6/30/2018	Ru-103	-1.39E+00	8.77E-01	2.47E+00	U
WS	SWL-2	453832001	6/30/2018	Ru-106	5.32E-01	5.15E+00	1.64E+01	U
WS	SWL-2	453832001	6/30/2018	Sb-124	2.90E+00	3.28E+00	6.36E+00	U
WS	SWL-2	453832001	6/30/2018	Sb-125	-1.16E+00	1.52E+00	4.79E+00	U
WS	SWL-2	453832001	6/30/2018	Se-75	-8.71E-01	7.95E-01	2.57E+00	U
WS	SWL-2	453832001	6/30/2018	Th-228	-1.67E+00	1.76E+00	3.90E+00	U
WS	SWL-2	453832001	6/30/2018	Zn-65	-4.12E-01	1.32E+00	4.16E+00	U
WS	SWL-2	453832001	6/30/2018	Zr-95	8.24E-01	1.24E+00	4.22E+00	U
WS	SWL-2	453832002	6/30/2018	H-3	2.14E+02	4.08E+02	1.31E+03	U
WS	SWL-3	453832003	6/30/2018	Ac-228	-4.22E+00	3.14E+00	7.59E+00	U
WS	SWL-3	453832003	6/30/2018	Ag-108m	1.58E-01	4.18E-01	1.41E+00	U
WS	SWL-3	453832003	6/30/2018	Ag-110m	-1.23E+00	7.41E-01	1.96E+00	U
WS	SWL-3	453832003	6/30/2018	Ba-140	3.69E-01	5.89E+00	1.95E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	453832003	6/30/2018	Be-7	6.10E+00	5.33E+00	1.78E+01	U
WS	SWL-3	453832003	6/30/2018	Ce-141	1.30E+00	1.41E+00	4.19E+00	U
WS	SWL-3	453832003	6/30/2018	Ce-144	7.02E-01	3.81E+00	1.14E+01	U
WS	SWL-3	453832003	6/30/2018	Co-57	6.33E-01	4.98E-01	1.58E+00	U
WS	SWL-3	453832003	6/30/2018	Co-58	-1.27E+00	9.62E-01	1.75E+00	U
WS	SWL-3	453832003	6/30/2018	Co-60	1.12E-01	4.62E-01	1.56E+00	U
WS	SWL-3	453832003	6/30/2018	Cr-51	-2.03E-01	7.18E+00	2.45E+01	U
WS	SWL-3	453832003	6/30/2018	Cs-134	4.60E-01	5.41E-01	1.78E+00	U
WS	SWL-3	453832003	6/30/2018	Cs-137	-7.34E-01	5.47E-01	1.59E+00	U
WS	SWL-3	453832003	6/30/2018	Fe-59	-1.11E+00	1.27E+00	4.02E+00	U
WS	SWL-3	453832003	6/30/2018	I-131	-9.35E+00	6.50E+00	1.28E+01	U
WS	SWL-3	453832003	6/30/2018	K-40	4.64E+00	1.20E+01	1.43E+01	U
WS	SWL-3	453832003	6/30/2018	La-140	-2.00E+00	2.14E+00	6.43E+00	U
WS	SWL-3	453832003	6/30/2018	Mn-54	8.69E-02	5.12E-01	1.65E+00	U
WS	SWL-3	453832003	6/30/2018	Nb-95	6.68E-01	6.31E-01	2.07E+00	U
WS	SWL-3	453832003	6/30/2018	Ru-103	-4.58E-01	6.32E-01	2.01E+00	U
WS	SWL-3	453832003	6/30/2018	Ru-106	1.87E-01	4.61E+00	1.51E+01	U
WS	SWL-3	453832003	6/30/2018	Sb-124	2.55E+00	1.32E+00	4.52E+00	U
WS	SWL-3	453832003	6/30/2018	Sb-125	1.01E+00	1.39E+00	4.68E+00	U
WS	SWL-3	453832003	6/30/2018	Se-75	-2.09E+00	8.44E-01	2.18E+00	U
WS	SWL-3	453832003	6/30/2018	Th-228	-1.34E+00	1.70E+00	4.02E+00	U
WS	SWL-3	453832003	6/30/2018	Zn-65	-8.11E-01	1.13E+00	3.14E+00	U
WS	SWL-3	453832003	6/30/2018	Zr-95	-2.61E-01	1.04E+00	3.31E+00	U
WS	SWL-3	453832004	6/30/2018	H-3	2.90E+02	4.14E+02	1.32E+03	U
WS	SWL-2	456455001	7/31/2018	Ac-228	-5.74E-01	4.24E+00	9.55E+00	U
WS	SWL-2	456455001	7/31/2018	Ag-108m	1.38E-01	5.25E-01	1.73E+00	U
WS	SWL-2	456455001	7/31/2018	Ag-110m	1.45E+00	9.90E-01	3.35E+00	U
WS	SWL-2	456455001	7/31/2018	Ba-140	1.29E+01	7.83E+00	2.51E+01	U
WS	SWL-2	456455001	7/31/2018	Be-7	8.96E+00	7.48E+00	2.45E+01	U
WS	SWL-2	456455001	7/31/2018	Ce-141	1.78E+00	2.37E+00	3.80E+00	U
WS	SWL-2	456455001	7/31/2018	Ce-144	3.88E-01	3.57E+00	1.13E+01	U
WS	SWL-2	456455001	7/31/2018	Co-57	-4.31E-01	4.73E-01	1.44E+00	U
WS	SWL-2	456455001	7/31/2018	Co-58	-4.57E-01	7.54E-01	2.43E+00	U
WS	SWL-2	456455001	7/31/2018	Co-60	-1.32E+00	9.03E-01	2.45E+00	U
WS	SWL-2	456455001	7/31/2018	Cr-51	-1.50E+00	7.61E+00	2.52E+01	U
WS	SWL-2	456455001	7/31/2018	Cs-134	1.77E-02	7.43E-01	2.50E+00	U
WS	SWL-2	456455001	7/31/2018	Cs-137	-9.12E-01	8.34E-01	2.08E+00	U
WS	SWL-2	456455001	7/31/2018	Fe-59	-1.70E+00	1.78E+00	5.31E+00	U
WS	SWL-2	456455001	7/31/2018	I-131	-6.43E-01	3.81E+00	1.12E+01	U
WS	SWL-2	456455001	7/31/2018	K-40	1.90E+01	1.48E+01	2.10E+01	U
WS	SWL-2	456455001	7/31/2018	La-140	6.51E-01	2.64E+00	8.99E+00	U
WS	SWL-2	456455001	7/31/2018	Mn-54	-5.13E-01	7.10E-01	2.26E+00	U
WS	SWL-2	456455001	7/31/2018	Nb-95	1.83E-01	9.21E-01	2.77E+00	U
WS	SWL-2	456455001	7/31/2018	Ru-103	-9.64E-01	1.08E+00	2.89E+00	U
WS	SWL-2	456455001	7/31/2018	Ru-106	3.67E+00	6.65E+00	2.16E+01	U
WS	SWL-2	456455001	7/31/2018	Sb-124	-8.82E-01	2.05E+00	6.58E+00	U
WS	SWL-2	456455001	7/31/2018	Sb-125	3.10E+00	1.84E+00	5.92E+00	U
WS	SWL-2	456455001	7/31/2018	Se-75	5.37E-01	8.15E-01	2.77E+00	U
WS	SWL-2	456455001	7/31/2018	Th-228	1.73E+00	1.90E+00	4.28E+00	U
WS	SWL-2	456455001	7/31/2018	Zn-65	-5.49E-01	1.49E+00	4.73E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	456455001	7/31/2018	Zr-95	-8.58E-01	1.31E+00	4.21E+00	U
WS	SWL-3	456455002	7/31/2018	Ac-228	8.13E+00	4.99E+00	6.92E+00	UI
WS	SWL-3	456455002	7/31/2018	Ag-108m	-4.94E-01	5.56E-01	1.73E+00	U
WS	SWL-3	456455002	7/31/2018	Ag-110m	8.46E-01	8.85E-01	3.00E+00	U
WS	SWL-3	456455002	7/31/2018	Ba-140	-2.64E+00	6.70E+00	2.11E+01	U
WS	SWL-3	456455002	7/31/2018	Be-7	2.76E+00	6.48E+00	2.14E+01	U
WS	SWL-3	456455002	7/31/2018	Ce-141	8.55E-01	2.32E+00	4.31E+00	U
WS	SWL-3	456455002	7/31/2018	Ce-144	3.44E+00	3.88E+00	1.28E+01	U
WS	SWL-3	456455002	7/31/2018	Co-57	7.20E-01	5.13E-01	1.67E+00	U
WS	SWL-3	456455002	7/31/2018	Co-58	-4.20E-01	6.74E-01	2.15E+00	U
WS	SWL-3	456455002	7/31/2018	Co-60	4.45E-01	6.37E-01	2.21E+00	U
WS	SWL-3	456455002	7/31/2018	Cr-51	-4.23E+00	7.19E+00	2.36E+01	U
WS	SWL-3	456455002	7/31/2018	Cs-134	8.07E-01	7.51E-01	2.48E+00	U
WS	SWL-3	456455002	7/31/2018	Cs-137	1.59E-01	5.91E-01	2.03E+00	U
WS	SWL-3	456455002	7/31/2018	Fe-59	3.35E-02	1.78E+00	5.76E+00	U
WS	SWL-3	456455002	7/31/2018	I-131	6.32E+00	3.84E+00	1.26E+01	U
WS	SWL-3	456455002	7/31/2018	K-40	-2.17E+01	1.23E+01	3.30E+01	U
WS	SWL-3	456455002	7/31/2018	La-140	3.63E+00	2.95E+00	1.00E+01	U
WS	SWL-3	456455002	7/31/2018	Mn-54	2.24E-01	6.42E-01	2.16E+00	U
WS	SWL-3	456455002	7/31/2018	Nb-95	1.40E+00	7.83E-01	2.60E+00	U
WS	SWL-3	456455002	7/31/2018	Ru-103	-9.33E-01	8.50E-01	2.54E+00	U
WS	SWL-3	456455002	7/31/2018	Ru-106	-1.23E+00	5.78E+00	1.60E+01	U
WS	SWL-3	456455002	7/31/2018	Sb-124	1.04E+00	1.92E+00	6.49E+00	U
WS	SWL-3	456455002	7/31/2018	Sb-125	2.59E+00	1.82E+00	5.95E+00	U
WS	SWL-3	456455002	7/31/2018	Se-75	-1.13E+00	1.11E+00	2.69E+00	U
WS	SWL-3	456455002	7/31/2018	Th-228	8.68E-01	2.35E+00	4.38E+00	U
WS	SWL-3	456455002	7/31/2018	Zn-65	5.15E-01	1.26E+00	4.17E+00	U
WS	SWL-3	456455002	7/31/2018	Zr-95	5.16E-02	1.18E+00	3.98E+00	U
WS	SWL-2	458716001	8/31/2018	Ac-228	-5.29E+00	5.71E+00	1.70E+01	U
WS	SWL-2	458716001	8/31/2018	Ag-108m	-5.83E-01	8.56E-01	2.68E+00	U
WS	SWL-2	458716001	8/31/2018	Ag-110m	7.10E-01	1.51E+00	5.00E+00	U
WS	SWL-2	458716001	8/31/2018	Ba-140	1.79E+01	1.24E+01	4.31E+01	U
WS	SWL-2	458716001	8/31/2018	Be-7	5.93E+00	1.00E+01	3.46E+01	U
WS	SWL-2	458716001	8/31/2018	Ce-141	-3.92E-03	2.64E+00	8.54E+00	U
WS	SWL-2	458716001	8/31/2018	Ce-144	9.93E+00	8.09E+00	2.66E+01	U
WS	SWL-2	458716001	8/31/2018	Co-57	-1.52E+00	1.01E+00	2.85E+00	U
WS	SWL-2	458716001	8/31/2018	Co-58	-8.09E-01	1.27E+00	3.74E+00	U
WS	SWL-2	458716001	8/31/2018	Co-60	1.44E+00	1.08E+00	3.99E+00	U
WS	SWL-2	458716001	8/31/2018	Cr-51	1.24E+01	1.32E+01	4.64E+01	U
WS	SWL-2	458716001	8/31/2018	Cs-134	5.54E-01	1.16E+00	3.89E+00	U
WS	SWL-2	458716001	8/31/2018	Cs-137	-1.70E+00	1.58E+00	4.80E+00	U
WS	SWL-2	458716001	8/31/2018	Fe-59	3.80E+00	3.02E+00	1.09E+01	U
WS	SWL-2	458716001	8/31/2018	I-131	-1.86E+00	6.47E+00	2.15E+01	U
WS	SWL-2	458716001	8/31/2018	K-40	-2.12E+01	1.89E+01	5.58E+01	U
WS	SWL-2	458716001	8/31/2018	La-140	-3.05E-01	3.62E+00	1.16E+01	U
WS	SWL-2	458716001	8/31/2018	Mn-54	-7.92E-01	1.05E+00	3.01E+00	U
WS	SWL-2	458716001	8/31/2018	Nb-95	1.75E+00	1.24E+00	4.09E+00	U
WS	SWL-2	458716001	8/31/2018	Ru-103	3.91E-01	1.28E+00	4.33E+00	U
WS	SWL-2	458716001	8/31/2018	Ru-106	1.40E+01	9.55E+00	3.33E+01	U
WS	SWL-2	458716001	8/31/2018	Sb-124	4.87E-01	3.36E+00	1.11E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	458716001	8/31/2018	Sb-125	5.30E-01	3.02E+00	1.02E+01	U
WS	SWL-2	458716001	8/31/2018	Se-75	-2.19E+00	1.72E+00	4.64E+00	U
WS	SWL-2	458716001	8/31/2018	Th-228	3.09E+00	3.62E+00	8.32E+00	U
WS	SWL-2	458716001	8/31/2018	Zn-65	3.22E+00	1.93E+00	7.27E+00	U
WS	SWL-2	458716001	8/31/2018	Zr-95	1.40E+00	2.47E+00	8.30E+00	U
WS	SWL-3	458716002	8/31/2018	Ac-228	2.47E-01	3.78E+00	1.07E+01	U
WS	SWL-3	458716002	8/31/2018	Ag-108m	2.47E-01	6.35E-01	2.09E+00	U
WS	SWL-3	458716002	8/31/2018	Ag-110m	-1.62E+00	1.02E+00	2.66E+00	U
WS	SWL-3	458716002	8/31/2018	Ba-140	-4.68E+00	9.46E+00	3.07E+01	U
WS	SWL-3	458716002	8/31/2018	Be-7	-5.75E+00	9.91E+00	2.51E+01	U
WS	SWL-3	458716002	8/31/2018	Ce-141	-4.38E-03	2.09E+00	6.17E+00	U
WS	SWL-3	458716002	8/31/2018	Ce-144	-1.03E+01	6.01E+00	1.67E+01	U
WS	SWL-3	458716002	8/31/2018	Co-57	-1.21E+00	7.53E-01	2.13E+00	U
WS	SWL-3	458716002	8/31/2018	Co-58	-7.63E-01	8.43E-01	2.52E+00	U
WS	SWL-3	458716002	8/31/2018	Co-60	8.17E-01	7.09E-01	2.43E+00	U
WS	SWL-3	458716002	8/31/2018	Cr-51	8.72E+00	1.07E+01	3.69E+01	U
WS	SWL-3	458716002	8/31/2018	Cs-134	-8.78E-01	1.01E+00	2.49E+00	U
WS	SWL-3	458716002	8/31/2018	Cs-137	-4.58E-01	6.64E-01	2.07E+00	U
WS	SWL-3	458716002	8/31/2018	Fe-59	3.60E+00	2.17E+00	7.24E+00	U
WS	SWL-3	458716002	8/31/2018	I-131	-1.32E+00	5.22E+00	1.76E+01	U
WS	SWL-3	458716002	8/31/2018	K-40	-9.84E+00	1.17E+01	3.93E+01	U
WS	SWL-3	458716002	8/31/2018	La-140	-2.89E+00	2.54E+00	7.08E+00	U
WS	SWL-3	458716002	8/31/2018	Mn-54	2.59E-01	7.09E-01	2.36E+00	U
WS	SWL-3	458716002	8/31/2018	Nb-95	-1.53E-01	8.64E-01	2.80E+00	U
WS	SWL-3	458716002	8/31/2018	Ru-103	6.05E-02	9.92E-01	3.34E+00	U
WS	SWL-3	458716002	8/31/2018	Ru-106	-2.58E+00	6.27E+00	2.03E+01	U
WS	SWL-3	458716002	8/31/2018	Sb-124	4.92E+00	2.72E+00	6.71E+00	U
WS	SWL-3	458716002	8/31/2018	Sb-125	-2.66E+00	2.12E+00	6.48E+00	U
WS	SWL-3	458716002	8/31/2018	Se-75	-2.50E+00	1.45E+00	3.61E+00	U
WS	SWL-3	458716002	8/31/2018	Th-228	-1.11E+00	2.08E+00	5.24E+00	U
WS	SWL-3	458716002	8/31/2018	Zn-65	4.34E-01	1.41E+00	4.64E+00	U
WS	SWL-3	458716002	8/31/2018	Zr-95	5.95E-01	1.53E+00	5.13E+00	U
WS	SWL-2	460655001	9/30/2018	Ac-228	1.81E+01	7.43E+00	1.56E+01	UI
WS	SWL-2	460655001	9/30/2018	Ag-108m	-5.85E-02	7.62E-01	2.47E+00	U
WS	SWL-2	460655001	9/30/2018	Ag-110m	8.04E-01	1.30E+00	4.43E+00	U
WS	SWL-2	460655001	9/30/2018	Ba-140	-1.76E+01	9.79E+00	2.50E+01	U
WS	SWL-2	460655001	9/30/2018	Be-7	6.98E+00	8.72E+00	2.89E+01	U
WS	SWL-2	460655001	9/30/2018	Ce-141	-4.82E+00	2.67E+00	6.36E+00	U
WS	SWL-2	460655001	9/30/2018	Ce-144	1.62E+00	5.78E+00	1.84E+01	U
WS	SWL-2	460655001	9/30/2018	Co-57	-5.09E-01	7.27E-01	2.22E+00	U
WS	SWL-2	460655001	9/30/2018	Co-58	-1.13E+00	1.08E+00	3.25E+00	U
WS	SWL-2	460655001	9/30/2018	Co-60	-7.37E-01	1.10E+00	3.10E+00	U
WS	SWL-2	460655001	9/30/2018	Cr-51	-1.30E+01	1.12E+01	2.97E+01	U
WS	SWL-2	460655001	9/30/2018	Cs-134	2.32E-01	1.07E+00	3.60E+00	U
WS	SWL-2	460655001	9/30/2018	Cs-137	-1.16E+00	1.01E+00	3.07E+00	U
WS	SWL-2	460655001	9/30/2018	Fe-59	-3.39E+00	2.47E+00	6.70E+00	U
WS	SWL-2	460655001	9/30/2018	I-131	-2.08E+00	4.41E+00	1.41E+01	U
WS	SWL-2	460655001	9/30/2018	K-40	2.12E+01	2.06E+01	3.06E+01	U
WS	SWL-2	460655001	9/30/2018	La-140	-2.31E+00	2.62E+00	7.68E+00	U
WS	SWL-2	460655001	9/30/2018	Mn-54	7.09E-02	1.09E+00	3.05E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	460655001	9/30/2018	Nb-95	1.47E+00	1.08E+00	3.72E+00	U
WS	SWL-2	460655001	9/30/2018	Ru-103	-9.72E-02	1.43E+00	4.07E+00	U
WS	SWL-2	460655001	9/30/2018	Ru-106	3.21E+00	8.38E+00	2.89E+01	U
WS	SWL-2	460655001	9/30/2018	Sb-124	-1.91E+00	2.62E+00	7.90E+00	U
WS	SWL-2	460655001	9/30/2018	Sb-125	2.69E+00	2.48E+00	8.23E+00	U
WS	SWL-2	460655001	9/30/2018	Se-75	-8.14E-01	1.27E+00	4.11E+00	U
WS	SWL-2	460655001	9/30/2018	Th-228	2.49E+00	3.25E+00	5.10E+00	U
WS	SWL-2	460655001	9/30/2018	Zn-65	1.59E+00	2.13E+00	7.16E+00	U
WS	SWL-2	460655001	9/30/2018	Zr-95	-3.78E-01	1.86E+00	6.16E+00	U
WS	SWL-2	460655002	9/30/2018	H-3	2.39E+02	1.61E+02	4.85E+02	U
WS	SWL-3	460655003	9/30/2018	Ac-228	-1.01E+00	3.75E+00	1.12E+01	U
WS	SWL-3	460655003	9/30/2018	Ag-108m	-1.73E-02	6.76E-01	2.01E+00	U
WS	SWL-3	460655003	9/30/2018	Ag-110m	-4.16E-01	8.43E-01	2.53E+00	U
WS	SWL-3	460655003	9/30/2018	Ba-140	2.83E+00	6.37E+00	2.13E+01	U
WS	SWL-3	460655003	9/30/2018	Be-7	-1.36E+01	8.73E+00	2.17E+01	U
WS	SWL-3	460655003	9/30/2018	Ce-141	-2.17E+00	1.95E+00	5.25E+00	U
WS	SWL-3	460655003	9/30/2018	Ce-144	9.59E+00	5.37E+00	1.66E+01	U
WS	SWL-3	460655003	9/30/2018	Co-57	6.96E-01	6.61E-01	2.12E+00	U
WS	SWL-3	460655003	9/30/2018	Co-58	-7.83E-01	9.92E-01	2.56E+00	U
WS	SWL-3	460655003	9/30/2018	Co-60	-2.47E+00	1.10E+00	2.11E+00	U
WS	SWL-3	460655003	9/30/2018	Cr-51	7.87E+00	8.50E+00	2.91E+01	U
WS	SWL-3	460655003	9/30/2018	Cs-134	8.42E-01	7.80E-01	2.60E+00	U
WS	SWL-3	460655003	9/30/2018	Cs-137	1.31E-01	7.67E-01	2.51E+00	U
WS	SWL-3	460655003	9/30/2018	Fe-59	9.18E+00	4.49E+00	5.39E+00	UI
WS	SWL-3	460655003	9/30/2018	I-131	-2.20E+00	3.04E+00	9.73E+00	U
WS	SWL-3	460655003	9/30/2018	K-40	-9.71E+00	1.04E+01	3.04E+01	U
WS	SWL-3	460655003	9/30/2018	La-140	-1.64E+00	2.32E+00	6.92E+00	U
WS	SWL-3	460655003	9/30/2018	Mn-54	8.98E-01	7.86E-01	2.60E+00	U
WS	SWL-3	460655003	9/30/2018	Nb-95	-8.46E-01	8.32E-01	2.39E+00	U
WS	SWL-3	460655003	9/30/2018	Ru-103	-6.41E-01	1.01E+00	3.19E+00	U
WS	SWL-3	460655003	9/30/2018	Ru-106	3.95E-01	6.36E+00	2.08E+01	U
WS	SWL-3	460655003	9/30/2018	Sb-124	6.03E-01	2.28E+00	7.56E+00	U
WS	SWL-3	460655003	9/30/2018	Sb-125	-2.23E+00	2.02E+00	6.16E+00	U
WS	SWL-3	460655003	9/30/2018	Se-75	-6.64E-01	9.98E-01	3.29E+00	U
WS	SWL-3	460655003	9/30/2018	Th-228	2.59E+00	2.87E+00	5.43E+00	U
WS	SWL-3	460655003	9/30/2018	Zn-65	8.53E-01	1.63E+00	5.60E+00	U
WS	SWL-3	460655003	9/30/2018	Zr-95	-1.66E+00	1.53E+00	4.38E+00	U
WS	SWL-3	460655004	9/30/2018	H-3	3.91E+02	1.68E+02	4.78E+02	U
WS	SWL-2	463332001	10/31/2018	Ac-228	-4.71E+00	3.90E+00	6.94E+00	U
WS	SWL-2	463332001	10/31/2018	Ag-108m	5.95E-01	4.24E-01	1.35E+00	U
WS	SWL-2	463332001	10/31/2018	Ag-110m	9.67E-02	6.53E-01	2.17E+00	U
WS	SWL-2	463332001	10/31/2018	Ba-140	1.66E+01	8.41E+00	1.64E+01	UI
WS	SWL-2	463332001	10/31/2018	Be-7	-9.13E+00	5.34E+00	1.50E+01	U
WS	SWL-2	463332001	10/31/2018	Ce-141	-4.01E+00	1.93E+00	3.28E+00	U
WS	SWL-2	463332001	10/31/2018	Ce-144	2.53E+00	2.86E+00	8.96E+00	U
WS	SWL-2	463332001	10/31/2018	Co-57	-3.73E-01	3.73E-01	1.13E+00	U
WS	SWL-2	463332001	10/31/2018	Co-58	5.85E-01	5.57E-01	1.85E+00	U
WS	SWL-2	463332001	10/31/2018	Co-60	-1.15E-01	4.65E-01	1.55E+00	U
WS	SWL-2	463332001	10/31/2018	Cr-51	4.66E+00	6.01E+00	1.99E+01	U
WS	SWL-2	463332001	10/31/2018	Cs-134	2.35E-01	5.13E-01	1.72E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD DEV (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	463332001	10/31/2018	Cs-137	6.26E-01	5.05E-01	1.69E+00	U
WS	SWL-2	463332001	10/31/2018	Fe-59	-9.64E-02	1.29E+00	4.18E+00	U
WS	SWL-2	463332001	10/31/2018	I-131	4.07E+00	3.09E+00	9.95E+00	U
WS	SWL-2	463332001	10/31/2018	K-40	3.29E+01	1.04E+01	1.50E+01	
WS	SWL-2	463332001	10/31/2018	La-140	-2.09E-01	1.87E+00	6.20E+00	U
WS	SWL-2	463332001	10/31/2018	Mn-54	-3.28E-02	4.52E-01	1.50E+00	U
WS	SWL-2	463332001	10/31/2018	Nb-95	2.19E-02	5.40E-01	1.81E+00	U
WS	SWL-2	463332001	10/31/2018	Ru-103	-8.14E-01	6.62E-01	1.97E+00	U
WS	SWL-2	463332001	10/31/2018	Ru-106	-1.30E+00	4.21E+00	1.42E+01	U
WS	SWL-2	463332001	10/31/2018	Sb-124	1.24E+00	1.31E+00	4.42E+00	U
WS	SWL-2	463332001	10/31/2018	Sb-125	4.34E-01	1.20E+00	3.94E+00	U
WS	SWL-2	463332001	10/31/2018	Se-75	7.22E-01	6.43E-01	2.12E+00	U
WS	SWL-2	463332001	10/31/2018	Th-228	3.85E+00	2.27E+00	3.18E+00	UI
WS	SWL-2	463332001	10/31/2018	Zn-65	-9.65E-01	1.14E+00	3.02E+00	U
WS	SWL-2	463332001	10/31/2018	Zr-95	3.26E-01	9.65E-01	3.25E+00	U
WS	SWL-3	463332002	10/31/2018	Ac-228	-4.50E+00	3.60E+00	5.67E+00	U
WS	SWL-3	463332002	10/31/2018	Ag-108m	3.85E-01	3.12E-01	1.01E+00	U
WS	SWL-3	463332002	10/31/2018	Ag-110m	5.70E-01	5.04E-01	1.68E+00	U
WS	SWL-3	463332002	10/31/2018	Ba-140	-1.02E+01	4.83E+00	1.27E+01	U
WS	SWL-3	463332002	10/31/2018	Be-7	-3.52E-01	3.70E+00	1.21E+01	U
WS	SWL-3	463332002	10/31/2018	Ce-141	-4.03E+00	1.76E+00	2.75E+00	U
WS	SWL-3	463332002	10/31/2018	Ce-144	2.49E+00	2.55E+00	8.03E+00	U
WS	SWL-3	463332002	10/31/2018	Co-57	4.52E-01	3.38E-01	1.05E+00	U
WS	SWL-3	463332002	10/31/2018	Co-58	-1.54E+00	7.67E-01	1.25E+00	U
WS	SWL-3	463332002	10/31/2018	Co-60	-2.84E-01	3.86E-01	1.19E+00	U
WS	SWL-3	463332002	10/31/2018	Cr-51	-3.29E+00	4.87E+00	1.60E+01	U
WS	SWL-3	463332002	10/31/2018	Cs-134	4.33E-01	3.91E-01	1.32E+00	U
WS	SWL-3	463332002	10/31/2018	Cs-137	9.40E-02	3.74E-01	1.20E+00	U
WS	SWL-3	463332002	10/31/2018	Fe-59	1.04E+00	9.61E-01	3.18E+00	U
WS	SWL-3	463332002	10/31/2018	I-131	8.93E-01	2.22E+00	7.41E+00	U
WS	SWL-3	463332002	10/31/2018	K-40	1.13E+01	1.06E+01	1.07E+01	UI
WS	SWL-3	463332002	10/31/2018	La-140	1.94E-01	1.33E+00	4.52E+00	U
WS	SWL-3	463332002	10/31/2018	Mn-54	-1.18E+00	4.59E-01	1.13E+00	U
WS	SWL-3	463332002	10/31/2018	Nb-95	4.00E-01	4.41E-01	1.49E+00	U
WS	SWL-3	463332002	10/31/2018	Ru-103	8.12E-01	6.30E-01	1.48E+00	U
WS	SWL-3	463332002	10/31/2018	Ru-106	-3.72E+00	3.53E+00	1.06E+01	U
WS	SWL-3	463332002	10/31/2018	Sb-124	1.13E+00	1.00E+00	3.41E+00	U
WS	SWL-3	463332002	10/31/2018	Sb-125	-9.38E-01	9.64E-01	3.02E+00	U
WS	SWL-3	463332002	10/31/2018	Se-75	-7.28E-01	5.30E-01	1.66E+00	U
WS	SWL-3	463332002	10/31/2018	Th-228	7.12E+00	1.37E+00	2.13E+00	
WS	SWL-3	463332002	10/31/2018	Zn-65	-3.83E-01	8.05E-01	2.59E+00	U
WS	SWL-3	463332002	10/31/2018	Zr-95	-7.52E-01	7.50E-01	2.40E+00	U
WS	SWL-2	466010001	11/30/2018	Ac-228	-6.06E+00	5.89E+00	1.75E+01	U
WS	SWL-2	466010001	11/30/2018	Ag-108m	1.00E-01	9.74E-01	3.29E+00	U
WS	SWL-2	466010001	11/30/2018	Ag-110m	-2.12E+00	2.34E+00	6.17E+00	U
WS	SWL-2	466010001	11/30/2018	Ba-140	-2.49E+01	1.62E+01	3.28E+01	U
WS	SWL-2	466010001	11/30/2018	Be-7	-3.30E+00	1.23E+01	4.00E+01	U
WS	SWL-2	466010001	11/30/2018	Ce-141	-5.99E+00	3.41E+00	8.67E+00	U
WS	SWL-2	466010001	11/30/2018	Ce-144	-5.39E+00	8.20E+00	2.57E+01	U
WS	SWL-2	466010001	11/30/2018	Co-57	1.35E+00	1.09E+00	3.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	466010001	11/30/2018	Co-58	1.25E+00	1.38E+00	4.76E+00	U
WS	SWL-2	466010001	11/30/2018	Co-60	1.06E+00	1.34E+00	4.78E+00	U
WS	SWL-2	466010001	11/30/2018	Cr-51	-2.19E+01	1.53E+01	4.47E+01	U
WS	SWL-2	466010001	11/30/2018	Cs-134	-8.53E-01	1.22E+00	3.48E+00	U
WS	SWL-2	466010001	11/30/2018	Cs-137	1.31E+00	1.47E+00	5.01E+00	U
WS	SWL-2	466010001	11/30/2018	Fe-59	2.99E+00	3.32E+00	1.19E+01	U
WS	SWL-2	466010001	11/30/2018	I-131	-3.91E-01	6.97E+00	2.36E+01	U
WS	SWL-2	466010001	11/30/2018	K-40	1.95E+01	2.90E+01	3.45E+01	U
WS	SWL-2	466010001	11/30/2018	La-140	2.38E+00	3.34E+00	1.22E+01	U
WS	SWL-2	466010001	11/30/2018	Mn-54	3.53E-01	1.50E+00	4.36E+00	U
WS	SWL-2	466010001	11/30/2018	Nb-95	-4.38E-01	1.43E+00	3.86E+00	U
WS	SWL-2	466010001	11/30/2018	Ru-103	-1.97E+00	1.74E+00	5.07E+00	U
WS	SWL-2	466010001	11/30/2018	Ru-106	8.33E+00	1.19E+01	4.07E+01	U
WS	SWL-2	466010001	11/30/2018	Sb-124	-4.51E+00	4.10E+00	1.02E+01	U
WS	SWL-2	466010001	11/30/2018	Sb-125	-1.32E+00	2.99E+00	9.64E+00	U
WS	SWL-2	466010001	11/30/2018	Se-75	6.27E-02	1.67E+00	5.24E+00	U
WS	SWL-2	466010001	11/30/2018	Th-228	-1.98E+00	2.60E+00	7.86E+00	U
WS	SWL-2	466010001	11/30/2018	Zn-65	1.35E+00	2.84E+00	9.90E+00	U
WS	SWL-2	466010001	11/30/2018	Zr-95	-2.24E+00	2.92E+00	8.46E+00	U
WS	SWL-3	466010002	11/30/2018	Ac-228	2.99E+00	5.49E+00	1.89E+01	U
WS	SWL-3	466010002	11/30/2018	Ag-108m	-2.45E-01	1.21E+00	3.89E+00	U
WS	SWL-3	466010002	11/30/2018	Ag-110m	-1.93E+00	1.75E+00	4.90E+00	U
WS	SWL-3	466010002	11/30/2018	Ba-140	1.04E+01	1.38E+01	4.64E+01	U
WS	SWL-3	466010002	11/30/2018	Be-7	6.26E+00	1.25E+01	4.17E+01	U
WS	SWL-3	466010002	11/30/2018	Ce-141	2.39E+00	3.72E+00	9.70E+00	U
WS	SWL-3	466010002	11/30/2018	Ce-144	2.66E+00	8.83E+00	2.82E+01	U
WS	SWL-3	466010002	11/30/2018	Co-57	-3.24E-01	1.21E+00	3.76E+00	U
WS	SWL-3	466010002	11/30/2018	Co-58	7.75E-01	1.66E+00	5.14E+00	U
WS	SWL-3	466010002	11/30/2018	Co-60	-9.75E-01	1.63E+00	4.77E+00	U
WS	SWL-3	466010002	11/30/2018	Cr-51	3.83E+00	1.64E+01	5.52E+01	U
WS	SWL-3	466010002	11/30/2018	Cs-134	-2.48E-01	1.36E+00	4.47E+00	U
WS	SWL-3	466010002	11/30/2018	Cs-137	-2.79E-01	1.30E+00	4.33E+00	U
WS	SWL-3	466010002	11/30/2018	Fe-59	2.29E+00	3.65E+00	1.26E+01	U
WS	SWL-3	466010002	11/30/2018	I-131	-2.89E+00	7.02E+00	2.23E+01	U
WS	SWL-3	466010002	11/30/2018	K-40	-2.74E+00	1.88E+01	6.19E+01	U
WS	SWL-3	466010002	11/30/2018	La-140	1.90E+00	3.82E+00	1.37E+01	U
WS	SWL-3	466010002	11/30/2018	Mn-54	8.70E-01	1.04E+00	3.72E+00	U
WS	SWL-3	466010002	11/30/2018	Nb-95	3.23E+00	1.74E+00	6.07E+00	U
WS	SWL-3	466010002	11/30/2018	Ru-103	1.11E+00	1.92E+00	5.92E+00	U
WS	SWL-3	466010002	11/30/2018	Ru-106	-4.38E+00	1.27E+01	3.89E+01	U
WS	SWL-3	466010002	11/30/2018	Sb-124	3.90E+00	3.78E+00	1.39E+01	U
WS	SWL-3	466010002	11/30/2018	Sb-125	-5.02E+00	3.80E+00	1.05E+01	U
WS	SWL-3	466010002	11/30/2018	Se-75	5.28E-01	1.80E+00	6.11E+00	U
WS	SWL-3	466010002	11/30/2018	Th-228	-8.94E+00	3.56E+00	9.10E+00	U
WS	SWL-3	466010002	11/30/2018	Zn-65	4.14E+00	2.66E+00	9.70E+00	U
WS	SWL-3	466010002	11/30/2018	Zr-95	-5.83E-01	2.48E+00	8.13E+00	U
WS	SWL-2	468008001	12/31/2018	Ac-228	-5.38E+00	3.87E+00	1.01E+01	U
WS	SWL-2	468008001	12/31/2018	Ag-108m	-2.40E-01	6.03E-01	1.96E+00	U
WS	SWL-2	468008001	12/31/2018	Ag-110m	-1.02E+00	1.02E+00	2.44E+00	U
WS	SWL-2	468008001	12/31/2018	Ba-140	-1.43E+01	8.55E+00	2.29E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	468008001	12/31/2018	Be-7	8.59E+00	7.22E+00	2.44E+01	U
WS	SWL-2	468008001	12/31/2018	Ce-141	-1.71E+00	1.88E+00	5.65E+00	U
WS	SWL-2	468008001	12/31/2018	Ce-144	-1.23E+01	5.76E+00	1.46E+01	U
WS	SWL-2	468008001	12/31/2018	Co-57	6.69E-01	6.35E-01	2.05E+00	U
WS	SWL-2	468008001	12/31/2018	Co-58	-7.88E-01	8.08E-01	2.31E+00	U
WS	SWL-2	468008001	12/31/2018	Co-60	2.26E-01	6.72E-01	2.29E+00	U
WS	SWL-2	468008001	12/31/2018	Cr-51	-9.13E+00	9.73E+00	3.09E+01	U
WS	SWL-2	468008001	12/31/2018	Cs-134	1.33E+00	1.06E+00	2.90E+00	U
WS	SWL-2	468008001	12/31/2018	Cs-137	-7.97E-01	9.02E-01	2.47E+00	U
WS	SWL-2	468008001	12/31/2018	Fe-59	1.31E+00	1.64E+00	5.73E+00	U
WS	SWL-2	468008001	12/31/2018	I-131	-4.24E+00	4.74E+00	1.49E+01	U
WS	SWL-2	468008001	12/31/2018	K-40	-2.10E+01	1.15E+01	3.12E+01	U
WS	SWL-2	468008001	12/31/2018	La-140	-4.56E+00	3.17E+00	8.25E+00	U
WS	SWL-2	468008001	12/31/2018	Mn-54	-1.75E-01	6.83E-01	2.13E+00	U
WS	SWL-2	468008001	12/31/2018	Nb-95	-7.67E-01	8.58E-01	2.51E+00	U
WS	SWL-2	468008001	12/31/2018	Ru-103	-8.58E-01	1.01E+00	3.10E+00	U
WS	SWL-2	468008001	12/31/2018	Ru-106	-5.62E+00	6.74E+00	2.04E+01	U
WS	SWL-2	468008001	12/31/2018	Sb-124	1.15E+00	2.14E+00	7.25E+00	U
WS	SWL-2	468008001	12/31/2018	Sb-125	-1.28E+00	1.94E+00	6.20E+00	U
WS	SWL-2	468008001	12/31/2018	Se-75	1.01E+00	1.02E+00	3.50E+00	U
WS	SWL-2	468008001	12/31/2018	Th-228	8.52E-01	2.61E+00	5.21E+00	U
WS	SWL-2	468008001	12/31/2018	Zn-65	-1.78E+00	1.46E+00	4.20E+00	U
WS	SWL-2	468008001	12/31/2018	Zr-95	-1.66E+00	1.61E+00	3.96E+00	U
WS	SWL-2	468008002	12/31/2018	H-3	1.07E+02	1.48E+02	4.70E+02	U
WS	SWL-3	468008003	12/31/2018	Ac-228	-3.46E+00	3.93E+00	1.15E+01	U
WS	SWL-3	468008003	12/31/2018	Ag-108m	-5.39E-01	5.84E-01	1.79E+00	U
WS	SWL-3	468008003	12/31/2018	Ag-110m	-1.11E-01	9.77E-01	3.25E+00	U
WS	SWL-3	468008003	12/31/2018	Ba-140	2.69E+01	1.10E+01	3.34E+01	U
WS	SWL-3	468008003	12/31/2018	Be-7	5.79E+00	7.20E+00	2.41E+01	U
WS	SWL-3	468008003	12/31/2018	Ce-141	1.95E+00	1.93E+00	5.72E+00	U
WS	SWL-3	468008003	12/31/2018	Ce-144	4.08E+00	5.22E+00	1.68E+01	U
WS	SWL-3	468008003	12/31/2018	Co-57	-7.69E-01	6.48E-01	1.91E+00	U
WS	SWL-3	468008003	12/31/2018	Co-58	1.10E+00	9.80E-01	3.06E+00	U
WS	SWL-3	468008003	12/31/2018	Co-60	1.24E+00	8.09E-01	2.77E+00	U
WS	SWL-3	468008003	12/31/2018	Cr-51	1.35E+01	9.84E+00	3.30E+01	U
WS	SWL-3	468008003	12/31/2018	Cs-134	-6.72E-01	8.06E-01	2.55E+00	U
WS	SWL-3	468008003	12/31/2018	Cs-137	2.81E-01	8.32E-01	2.69E+00	U
WS	SWL-3	468008003	12/31/2018	Fe-59	-3.74E+00	2.05E+00	5.15E+00	U
WS	SWL-3	468008003	12/31/2018	I-131	4.76E+00	5.32E+00	1.79E+01	U
WS	SWL-3	468008003	12/31/2018	K-40	-3.16E+01	1.43E+01	3.38E+01	U
WS	SWL-3	468008003	12/31/2018	La-140	1.67E+00	2.56E+00	9.03E+00	U
WS	SWL-3	468008003	12/31/2018	Mn-54	4.16E+00	2.19E+00	2.40E+00	UI
WS	SWL-3	468008003	12/31/2018	Nb-95	-6.33E-01	1.12E+00	3.11E+00	U
WS	SWL-3	468008003	12/31/2018	Ru-103	-2.12E+00	1.18E+00	3.16E+00	U
WS	SWL-3	468008003	12/31/2018	Ru-106	4.01E+00	6.96E+00	2.28E+01	U
WS	SWL-3	468008003	12/31/2018	Sb-124	-2.23E+00	2.22E+00	6.61E+00	U
WS	SWL-3	468008003	12/31/2018	Sb-125	-4.15E+00	2.15E+00	5.67E+00	U
WS	SWL-3	468008003	12/31/2018	Se-75	-3.26E-01	1.04E+00	3.50E+00	U
WS	SWL-3	468008003	12/31/2018	Th-228	5.83E-01	2.17E+00	5.02E+00	U
WS	SWL-3	468008003	12/31/2018	Zn-65	2.57E-01	1.62E+00	5.38E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	468008003	12/31/2018	Zr-95	1.94E+00	1.65E+00	5.69E+00	U
WS	SWL-3	468008004	12/31/2018	H-3	-1.38E+00	1.45E+02	4.76E+02	U

U: Target isotope was analyzed for but not detected above the MDC and LLD.
UI: Uncertain identification for gamma spectroscopy.
X: Lab-specific qualifier (see data summary package for narrative).
M: Reported result is less than the LLD and greater than the MDC.
DL: Measured MDC is greater than the LLD.

APPENDIX E

Pre-Operational Radiological Monitoring Program

Donald C. Cook Nuclear Plant
Pre-Operational Radiological Monitoring Program Summary

This appendix details information obtained during the conduct of a Pre-Operational Radiological Monitoring Program (PRMP) at the Donald C. Cook Nuclear Plant (CNP) from August 1971 until the initial criticality of Unit 1 on January 18, 1975. Program-related samples were analyzed by the Eberline Instrument Corporation and a summary of these results are presented below. This information was utilized during the evaluation of CNP's 2018 Radiological Environmental Monitoring Program sample data and allowed for the comparison of current and historical information.

Air Samples:

Gross beta radioactivity in PRMP air particulate filters ranged from 0.01 to 0.17 pCi/m^3 from mid-1971 until mid-1973. In June of 1973 and 1974, the People's Republic of China detonated several nuclear devices in the atmosphere. As a result, PRMP gross beta radioactivity results up to 0.45 pCi/m^3 were documented with no statistically significant difference noted between indicator and control stations. By the end of the pre-operational period, gross beta values were approximately 0.06 pCi/m^3.

Analysis of composited PRMP air particulate filters detected "trace amounts" of fission product radionuclides Ce-144, Ru-103, Ru-106, Zr-95 and Nb-95. The presence of these radionuclides was attributed to atmospheric nuclear tests conducted previously. Be-7, a cosmogenic nuclide produced through cosmic ray spallation, was also identified during the analysis of these air particulate filters.

Direct Radiation:

Direct radiation (background) as measured by PRMP thermoluminescent dosimeters ranged between 1.0 and 2.0 mrem per week.

Milk Samples:

Gamma ray spectroscopy of PRMP milk samples was conducted and naturally occurring K-40 was detected in the range of 520 to 2310 pCi/liter. Cs-137 was detected in many milk samples following the atmospheric nuclear test discussed above. Cs-137 radioactivity ranged from 8 to 33 pCi/liter. I-131 was noted in four milk samples collected on 7/9/74 with values ranging from 0.2 to 0.9 pCi/liter.

Lake Water Samples:

PRMP lake water samples collected were analyzed for tritium and by gamma ray spectroscopy. Tritium activities were below 1000 pCi/liter and typically averaged about 400 pCi/liter. No radionuclides were detected by gamma ray spectroscopy.

Lake Sediment Samples:

PRMP lake sediment samples were analyzed by gamma ray spectroscopy and a natural abundance of Uranium, Thorium daughters and K-40 were detected. Traces of Cs-137 were also noted (less than 0.1 pCi/gram) and attributed to fallout.

Fish Samples:

PRMP Fish samples collected and analyzed by gamma ray spectroscopy exhibited a natural abundance of K-40. Trace levels of Cs-137 present were attributed to fallout.

Drinking Water Samples:

Drinking water sampling and analysis was not performed as part of CNP's PRMP.

APPENDIX F

NEI GROUNDWATER PROTECTION INITIATIVE

Analysis of the Sample Data

The Groundwater Protection Initiative (GPI) Sample Data for 2018 indicates no groundwater contamination in excess of the reporting threshold of 2.00E-5 uCi/mL for tritium. Gamma spectroscopy was performed on all Radiological Environmental Monitoring Program wells quarterly. Those results are not actual GPI results so are not included in the ARERR, but are part of CNP's 2018 Annual Radiological Environmental Operating Report. There were no positively identified gamma radionuclides from plant effluents detected in any of the GPI well samples, and one well with trace levels of tritium just above detection limits.

The LLD value used for tritium counting of the samples varied between 9.42E-7 and 9.98E-7uCi/mL, depending on which scintillation counter was used. This is well below the required maximum LLD value of 2.00E-6 uCi/mL per the ODCM.

No tritium values were found significantly above LLD for 2018, though values found above the LLD are not abnormal, unexpected, or inconsistent with past sampling history. The samples observed above LLD historically were expected results from the release of tritiated water into the Absorption Pond, a licensed pathway and part of plant design, or the result of recapture deposition of tritium from licensed radioactive gaseous release points. The 2018 results were within expected parameters considering the reduction in tritium released to the Absorption Pond and typical rainfall recapture of tritium experienced.

Wells located inside the Protected Area of the plant are subject to recapture deposition of tritium and may show occasional sample results above LLD values following rainfalls and snow melt. The results observed in 2018 continue to reflect normal expectations and behaviors as they relate to recaptured tritium for the weather conditions observed. Well MW-28 lies close to the vent stacks in the predominant wind direction, so it is expected to observe recaptured tritium from precipitation periodically.

The sample data indicates that no radioactive spills or unidentified leaks have occurred in 2018 affecting groundwater. The sample results indicate proper well placement to ensure the protection of the groundwater and early identification of any abnormal conditions involving groundwater. This is validated by the demonstrated ability to monitor percolation from the Absorption Pond and recaptured tritium in precipitation, with flow direction and behavior acting as described in the plant licensing documents.

2018 GPI Sample Data

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)
Lower Limit of Detection = LLD

Date	MW-22D	MW-22M	MW-22S	MW-24D	MW-24M	MW-24S	MW-25D	MW-25M
02/01/2018							<LLD	<LLD
02/28/2018	<LLD	<LLD	<LLD*	<LLD	<LLD	<LLD		
04/26/2018							<LLD	<LLD*
05/01/2018	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD		
07/18/2018	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
11/16/2018	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD

(Note: Wells MW-22 through MW- 27 are multi-port wells installed in the Fall of 2009, with three sample points placed at different depths. S= Shallow M= Middle D= Deep.)

(Note: A "*" symbol following a sample result denotes a gamma count was performed. Any gamma results above LLD will be additionally flagged and documented in the analysis section.)

2018 GPI Sample Data

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)
Lower Limit of Detection = LLD

MW-25S through MW-27S continued

Date	MW-25S	MW-26D	MW-26M	MW-26S	MW-27D	MW-27M	MW-27S	
02/01/2018	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
04/26/2018	<LLD*	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
07/18/2018	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
11/16/2018	<LLD	<LLD	<LLD	<LLD	<LLD*	<LLD	<LLD	

(Note: Wells MW-22 through MW- 27 are multi-port wells installed in the Fall of 2009, with three sample points placed at different depths. S= Shallow M= Middle D= Deep.)

(Note: A "*" symbol following a sample result denotes a gamma count was performed. Any gamma results above LLD will be additionally flagged and documented in the analysis section.)

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)
Lower Limit of Detection = LLD

Date	SG-1	SG-2	SG-4	SG-5	EW-19	MW-20	MW-21	EW-18
01/09/2018			<LLD					
01/10/2018		<LLD		<LLD				
01/12/2018	<LLD							
01/16/2018						<LLD	<LLD	
02/01/2018					<LLD			
03/24/2018								<LLD
04/11/2018		<LLD						
04/12/2018					<LLD			
04/13/2018						<LLD	<LLD	
04/17/2018	<LLD		<LLD	<LLD				
05/01/2018								<LLD
07/12/2018	<LLD	<LLD	<LLD	<LLD				
07/13/2018						<LLD	<LLD	
10/03/2018					<LLD			
10/04/2018							<LLD	
10/08/2018						<LLD		
10/09/2018		<LLD						
10/23/2018	<LLD		<LLD	<LLD				

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)
Lower Limit of Detection = LLD

Date	OW-1	OW-2	OW-4	MW-28	MW-29
01/26/2018	<LLD	<LLD			
02/01/2018				1.39e-6	<LLD
02/08/2018	<LLD	<LLD			
02/28/2018				1.08e-6	<LLD
03/09/2018	<LLD			1.18e-6	<LLD
04/19/2018		<LLD			
04/30/2018				<LLD	<LLD
05/01/2018	<LLD			1.40e-6	<LLD
05/02/2018			<LLD		
06/12/2018	<LLD		<LLD		
06/13/2018				1.14e-6	<LLD
08/16/2018				<LLD*	<LLD
08/24/2018			<LLD		
09/04/2018	<LLD			1.06e-6	<LLD
10/17/2018	<LLD		<LLD		
10/23/2018		<LLD			
10/30/2018				1.03e-6	<LLD
11/28/2018	<LLD		<LLD	<LLD	<LLD
12/27/2018	<LLD		<LLD	1.21e-6	<LLD

(Note: A "*" symbol following a sample result denotes a gamma count was performed. Any gamma results above LLD will be additionally flagged and documented in the analysis section.)

2018 GPI Sample Data

Samples analyzed for tritium. Values noted are in microcuries per milliliter (uCi/mL)
Lower Limit of Detection = LLD

Date	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
01/08/2018	<LLD							<LLD
01/09/2018		<LLD						
01/10/2018			<LLD					
01/12/2018							<LLD	
01/26/2018				<LLD	<LLD	<LLD		
02/28/2018				<LLD				
03/20/2018				<LLD				
04/06/2018	<LLD	<LLD	<LLD					
04/11/2018							<LLD	
04/13/2018								<LLD
04/19/2018				<LLD	<LLD	<LLD		
05/02/2018				<LLD				
07/10/2018	<LLD	<LLD	<LLD					
07/13/2018							<LLD	<LLD
07/18/2018				<LLD	<LLD	<LLD		
10/02/2018		<LLD						<LLD
10/04/2018							<LLD	
10/08/2018			<LLD					
10/09/2018	<LLD							
10/23/2018				<LLD	<LLD	<LLD		
11/28/2018				<LLD				

Date	W-9	W-10	W-11	W-12	W-13	W-14	W-15	
01/08/2018	<LLD							
01/11/2018		<LLD	<LLD					
01/12/2018					<LLD	<LLD		
01/16/2018				<LLD			<LLD	
04/11/2018			<LLD					
04/13/2018	<LLD	<LLD						
04/17/2018				<LLD	<LLD	<LLD	<LLD	
07/13/2018	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
10/04/2018		<LLD	<LLD	<LLD		<LLD		
10/08/2018	<LLD						<LLD	
10/09/2018					<LLD			