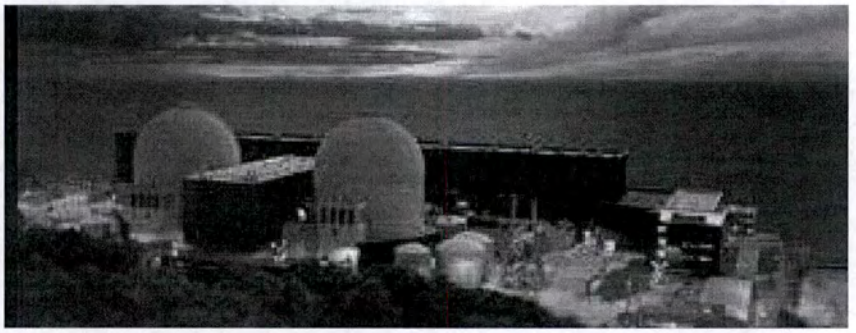
Enclosure to AEP-NRC-2018-34

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, 2017 – December 31, 2017

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

AREVA Doc. 103-3659-000

TABLE OF CONTENTS

Page

TABLE OF CONTENTS
(Continued)

LIST OF TABLES

Page

TABLE OF CONTENTS
(Continued)

Page

LIST OF FIGURES

Page

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 2017, 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), three samples contained Thorium-228 (Th-228), and one sample contained Actinium-228 (Ac-228).
- K-40 was detected in all eight REMP fish samples and trace levels of Cesium-137 (Cs-137) were observed in four indicator and two control station samples. Of the two non-REMP sport fish samples, two detected K-40 and one detected trace levels of Cs-137.
- Both indicator and control food products samples contained K-40 and the control sample contained Beryllium-7 (Be-7). All samples of broadleaf vegetation contained Be-7 and K-40. Additionally, three indicator samples out of the twenty-

eight samples contained low levels of Cs-137; one was considered a false positive by the laboratory due to low abundance, but was included in the off-site dose analysis for conservatism.

- Two of 145 water samples (drinking, ground, and surface) indicated the presence of K-40. Two samples also detected the presence of Th-228. Tritium was not detected in any of the 85 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 AREVA 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 2017. 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 twice this year from four locations using gill nets in Lake Michigan. 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 2017. The same analysis is performed for the sport fish samples as that performed for the original REMP fish samples.

2.5.8 Food Product

Three 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 2017 during the growing season (June – October, when available). Three samples consisting of greater than 300 grams of media were collected 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 2017, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations in 2017 and analyzed for gamma, tritium, gross beta and gross alpha, by GEL laboratories.

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

During 2017, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations in 2017 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

2017 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 2017

Table 2.2
2017 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)

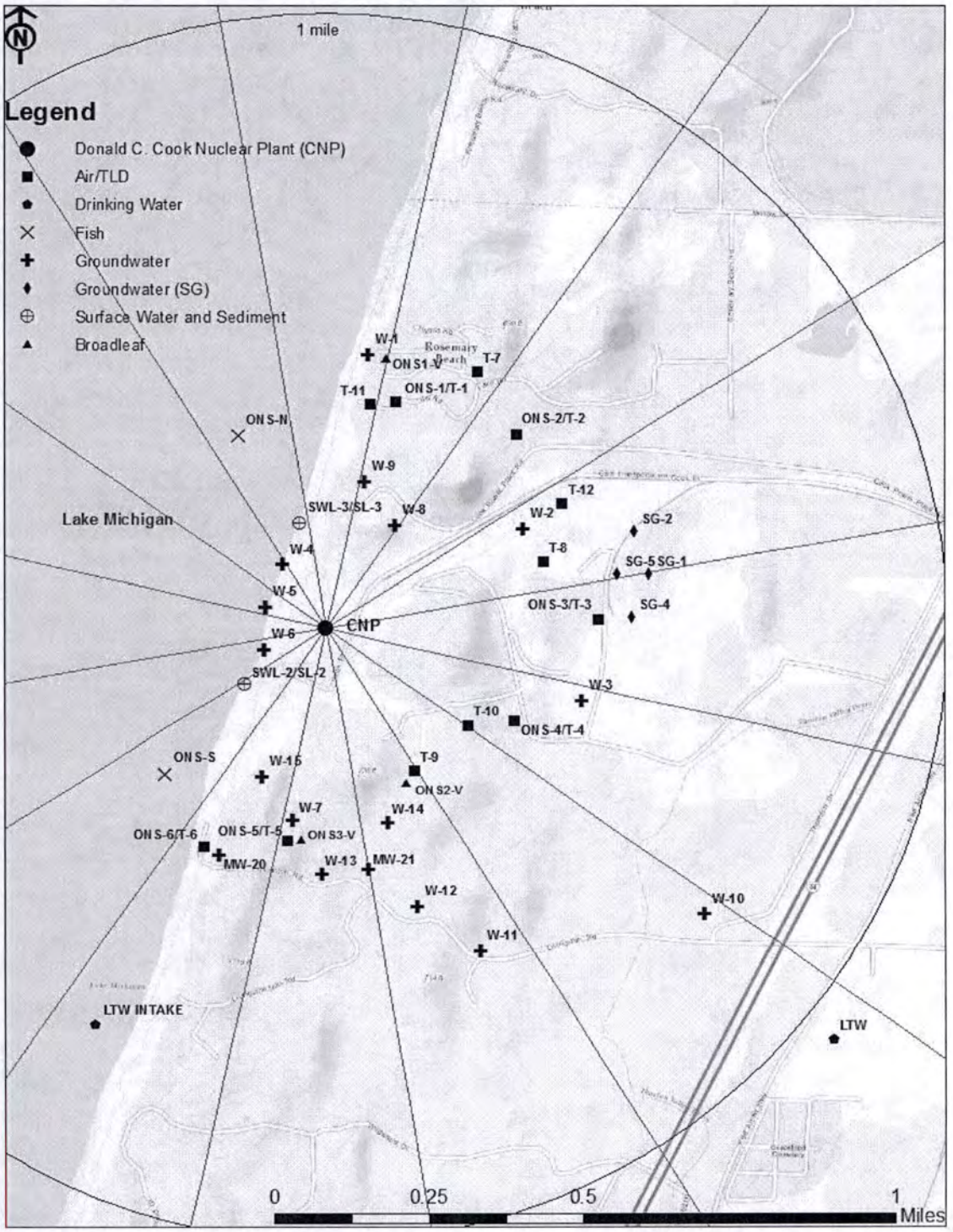


Figure 2.2

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

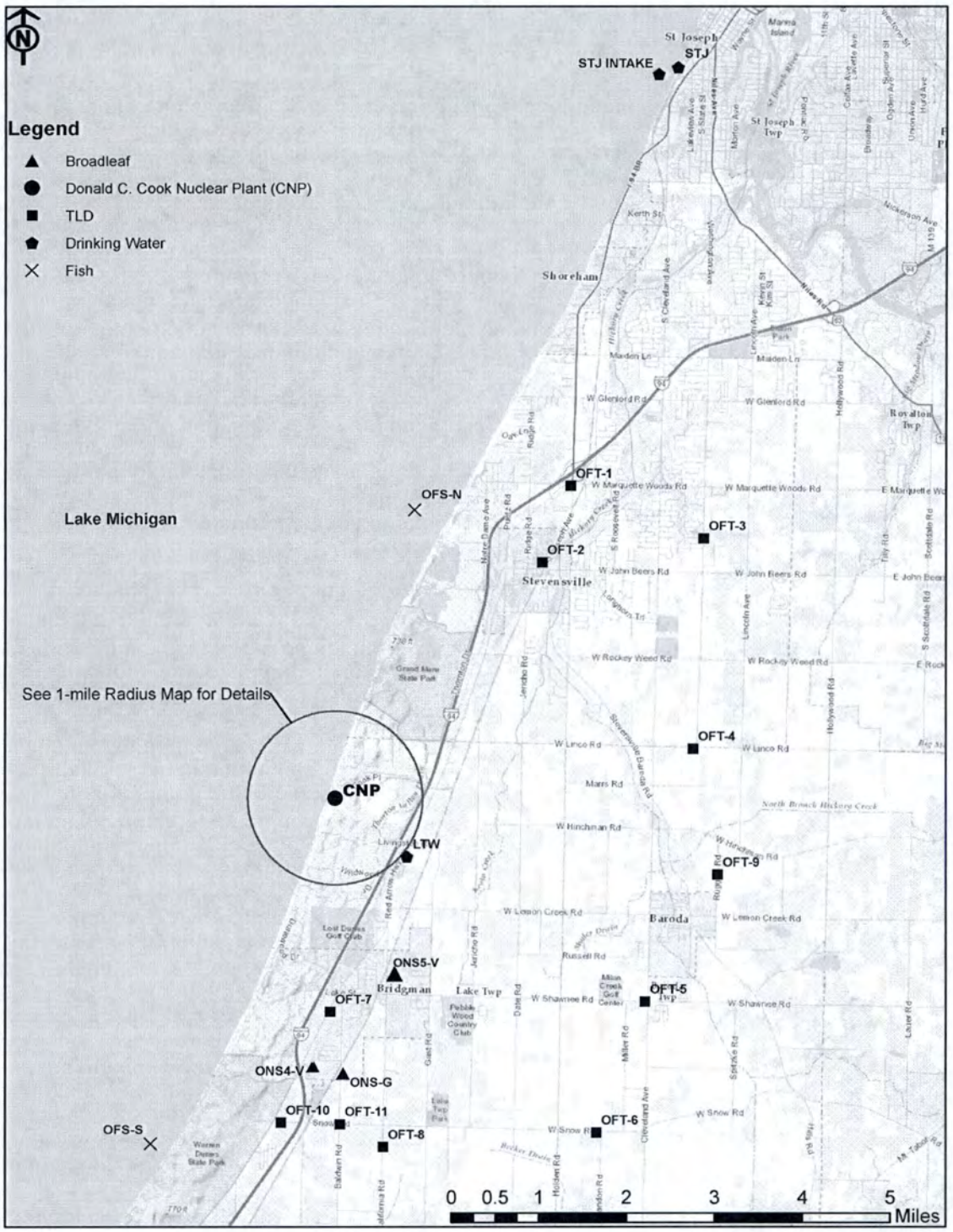
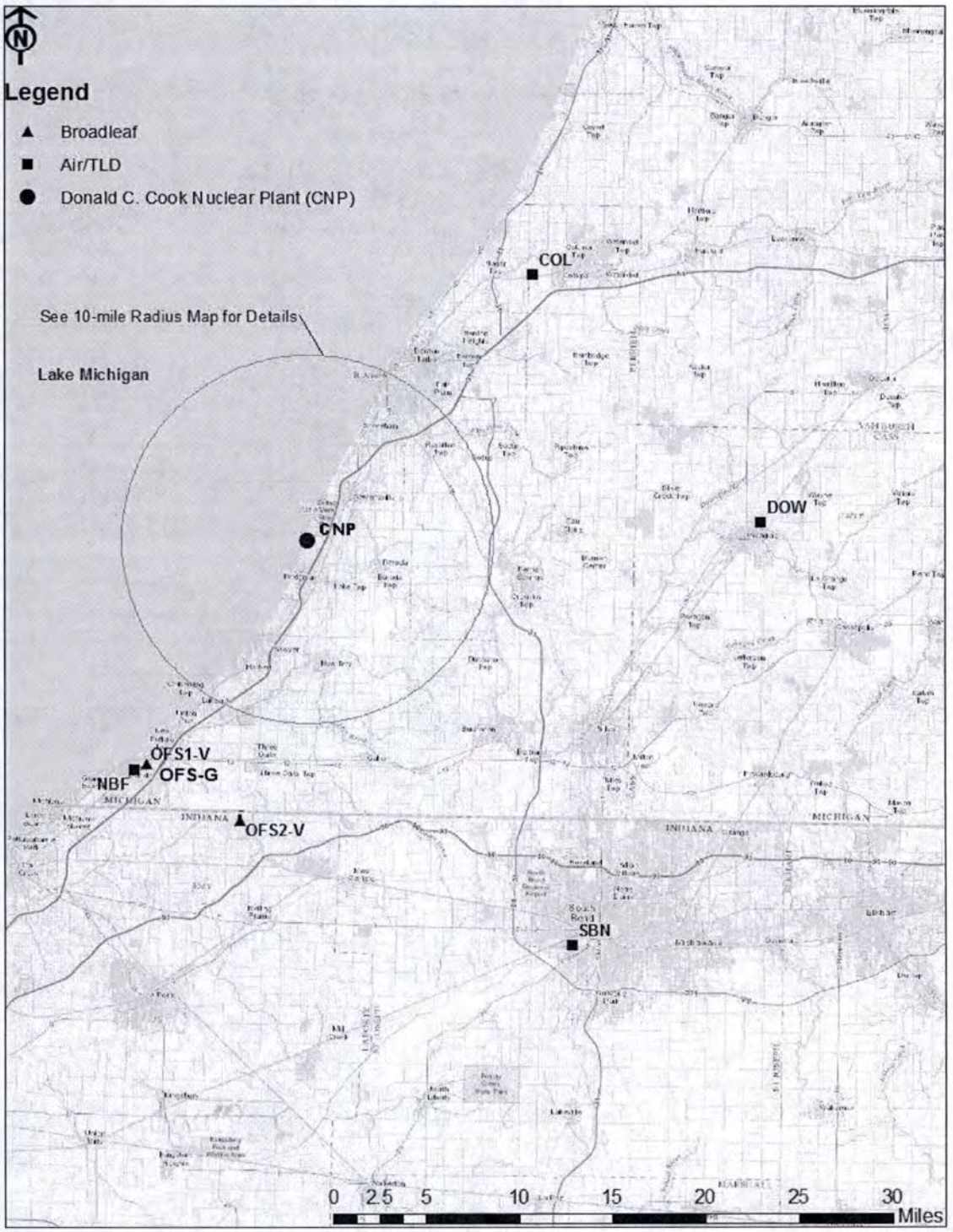


Figure 2.3

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



2.6 Samples Analyzed During 2017

Table 2.5 below summarizes the number of samples of each type analyzed during the 2017 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 2017

Sample Type	Number of REMP Samples		
	Total	Indicator	Control
Gamma Exposure Environmental TLD	108	92	16
Air Particulate	519	312	207
Charcoal Filter	519	312	207
Groundwater	69	69	0
Surface Water	24	24	0
Drinking Water	52	26	26
Sediment (Lake)	4	4	0
Food Products (grapes)	3	2	1
Vegetation (broadleaf)	28	24	4
Milk*	0	0	0
Fish	8	4	4
Total All Types	1,334	869	465

* 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 2017. 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 2017, 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 2017, and (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 2017)

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	(519)	0.01	2.5E -2	ONS-3	2.6E -2	2.5E -2
	(0)		(8.9 - 54.9)E -3 (312/ 312)		(1.1 - 5.2)E -2 (52/ 52)	(9.2 - 49.3)E -3 (207/ 207)
Be-7	(40)		1.4E -1	ONS-3	1.5E -1	1.4E -1
	(0)		(9.9 - 18.6)E -2 (24/ 24)		(1.2 - 1.9)E -1 (4/ 4)	(9.6 - 18.1)E -2 (16/ 16)
K-40	(40)		0.0E 0	DOW	1.6E -3	1.0E -3
	(0)		(-3.0 - 3.0)E -3 (0/ 24)		(-1.2 - 6.7)E -3 (0/ 4)	(-1.7 - 6.7)E -3 (0/ 16)
Cr-51	(40)		2.0E -3	ONS-1	6.2E -3	4.0E -4
	(0)		(-9.1 - 15.7)E -3 (0/ 24)		(8.9 - 157.0)E -4 (0/ 4)	(-8.2 - 9.5)E -3 (0/ 16)
Mn-54	(40)		0.0E 0	SBN	6.8E -5	3.1E -5
	(0)		(-2.5 - 1.6)E -4 (0/ 24)		(-6.7 - 23.3)E -5 (0/ 4)	(-1.1 - 2.3)E -4 (0/ 16)
Co-57	(40)		-2.6E -5	ONS-3	1.7E -5	-1.6E -5
	(0)		(-1.1 - 0.6)E -4 (0/ 24)		(-5.2 - 4.7)E -5 (0/ 4)	(-1.4 - 1.1)E -4 (0/ 16)
Co-58	(40)		0.0E 0	ONS-3	1.0E -4	-1.1E -4
	(0)		(-3.6 - 2.8)E -4 (0/ 24)		(-4.1 - 27.8)E -5 (0/ 4)	(-5.9 - 4.0)E -4 (0/ 16)
Fe-59	(40)		1.4E -4	ONS-1	4.8E -4	-8.5E -5
	(0)		(-1.2 - 1.2)E -3 (0/ 24)		(1.3 - 10.1)E -4 (0/ 4)	(-1.5 - 0.8)E -3 (0/ 16)
Co-60	(40)		0.0E 0	NBF	1.6E -4	5.1E -5
	(0)		(-1.4 - 1.3)E -4 (0/ 24)		(-1.9 - 276.0)E -6 (0/ 4)	(-2.1 - 2.8)E -4 (0/ 16)
Zn-65	(40)		-3.8E -5	ONS-5	1.2E -4	-7.8E -5
	(0)		(-5.8 - 5.4)E -4 (0/ 24)		(-3.4 - 4.0)E -4 (0/ 4)	(-5.3 - 3.4)E -4 (0/ 16)
Se-75	(40)		1.1E -5	DOW	2.9E -4	4.6E -5
	(0)		(-3.1 - 3.1)E -4 (0/ 24)		(-7.4 - 104.0)E -5 (0/ 4)	(-3.7 - 10.4)E -4 (0/ 16)
Nb-95	(40)		1.1E -5	ONS-1	2.4E -4	8.9E -5
	(0)		(-3.3 - 5.3)E -4 (0/ 24)		(3.9 - 52.7)E -5 (0/ 4)	(-3.2 - 6.4)E -4 (0/ 16)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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)		0.0E 0	DOW	1.9E -4	-6.1E -5
	(0)		(-5.0 - 4.1)E -4 (0/ 24)		(-1.9 - 3.8)E -4 (0/ 4)	(-6.1 - 3.8)E -4 (0/ 16)
Ru-103	(40)		1.0E -4	ONS-6	3.4E -4	-3.4E -5
	(0)		(-3.9 - 7.5)E -4 (0/ 24)		(-2.7 - 7.2)E -4 (0/ 4)	(-3.3 - 5.2)E -4 (0/ 16)
Ru-106	(40)		5.5E -5	DOW	1.1E -3	3.8E -4
	(0)		(-1.6 - 2.6)E -3 (0/ 24)		(5.5 - 15.5)E -4 (0/ 4)	(-1.2 - 1.6)E -3 (0/ 16)
Ag-108m	(40)		4.2E -5	SBN	5.5E -5	0.0E 0
	(0)		(-9.5 - 32.8)E -5 (0/ 24)		(-4.7 - 133.0)E -6 (0/ 4)	(-2.5 - 1.8)E -4 (0/ 16)
Ag-110m	(40)		0.0E 0	ONS-1	8.4E -5	-3.6E -5
	(0)		(-4.3 - 3.8)E -4 (0/ 24)		(-1.5 - 21.1)E -5 (0/ 4)	(-3.0 - 2.3)E -4 (0/ 16)
Sb-124	(40)		-3.5E -5	COL	4.8E -4	-1.9E -5
	(0)		(-9.2 - 10.0)E -4 (0/ 24)		(1.8 - 109.0)E -5 (0/ 4)	(-1.0 - 1.1)E -3 (0/ 16)
Sb-125	(40)		7.9E -5	ONS-2	2.7E -4	-8.1E -5
	(0)		(-3.0 - 6.9)E -4 (0/ 24)		(2.0 - 68.7)E -5 (0/ 4)	(-5.1 - 3.3)E -4 (0/ 16)
I-131	(40)		-2.3E -2	COL	2.0E -1	5.0E -2
	(0)		(-5.0 - 3.9)E -1 (0/ 24)		(-1.0 - 9.0)E -1 (0/ 4)	(-2.7 - 9.0)E -1 (0/ 16)
Cs-134	(40)	0.06	7.4E -5	ONS-1	1.5E -4	0.0E 0
	(0)		(-1.7 - 3.6)E -4 (0/ 24)		(5.3 - 27.8)E -5 (0/ 4)	(-1.2 - 1.8)E -4 (0/ 16)
Cs-137	(40)	0.06	0.0E 0	DOW	5.4E -5	1.9E -5
	(0)		(-1.5 - 1.8)E -4 (0/ 24)		(2.0 - 13.9)E -5 (0/ 4)	(-9.9 - 17.3)E -5 (0/ 16)
Ba-140	(40)		-2.5E -3	ONS-3	1.9E -2	-1.3E -2
	(0)		(-1.1 - 0.8)E -1 (0/ 24)		(-1.2 - 60.8)E -3 (0/ 4)	(-6.3 - 3.6)E -2 (0/ 16)
La-140	(40)		-2.8E -3	NBF	1.1E -2	3.8E -3
	(0)		(-3.6 - 2.2)E -2 (0/ 24)		(-2.4 - 22.7)E -3 (0/ 4)	(-2.3 - 3.0)E -2 (0/ 16)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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)**		2.6E -4	ONS-5	1.4E -3	-2.4E -4
	(0)		(-1.4 - 4.1)E -3 (0/ 24)		(-7.4 - 37.5)E -4 (0/ 4)	(-1.1 - 1.4)E -3 (0/ 16)
Ce-144	**(40)**		-1.7E -5	COL	1.9E -4	-1.4E -4
	(0)		(-1.1 - 0.9)E -3 (0/ 24)		(-7.4 - 8.2)E -4 (0/ 4)	(-9.4 - 8.2)E -4 (0/ 16)
Ac-228	**(40)**		4.9E -5	ONS-6	3.1E -4	-3.4E -5
	(0)		(-9.8 - 11.0)E -4 (0/ 24)		(8.8 - 1030.0)E -6 (0/ 4)	(-7.3 - 9.1)E -4 (0/ 16)
Th-228	**(40)**		1.2E -4	ONS-3	3.6E -4	2.2E -5
	(0)		(-5.4 - 8.2)E -4 (0/ 24)		(8.6 - 82.2)E -5 (0/ 4)	(-3.5 - 5.5)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 2017)

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	(519)	0.07	1.9E -4	ONS-2	6.7E -4	-2.1E -5
	(0)		(-1.4 - 2.2)E -2		(-6.2 - 22.4)E -3	(-1.1 - 1.4)E -2
			(0/ 312)		(0/ 52)	(0/ 207)

* 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 2017)

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**
Be-7	(8)		5.1E 0	ONS-N	1.3E 1	-1.6E 1
	(0)		(-5.3 - 22.3)E 0 (0/ 4)		(3.0 - 22.3)E 0 (0/ 2)	(-4.1 - 0.6)E 1 (0/ 4)
K-40	(8)		3.5E 3	ONS-S	3.7E 3	3.1E 3
	(0)		(3.3 - 3.9)E 3 (4/ 4)		(3.5 - 3.9)E 3 (2/ 2)	(2.7 - 3.4)E 3 (4/ 4)
Cr-51	(8)		-1.6E 1	OFS-S	-1.5E 0	-1.6E 0
	(0)		(-4.0 - -0.3)E 1 (0/ 4)		(-7.5 - 4.5)E 0 (0/ 2)	(-7.6 - 4.5)E 0 (0/ 4)
Mn-54	(8)	130	2.9E 0	ONS-N	2.9E 0	-4.1E -1
	(0)		(3.7 - 52.5)E -1 (0/ 4)		(2.1 - 3.8)E 0 (0/ 2)	(-3.5 - 3.5)E 0 (0/ 4)
Co-57	(8)		1.5E 0	ONS-N	1.8E 0	6.4E -1
	(0)		(4.3 - 23.8)E -1 (0/ 4)		(1.3 - 2.4)E 0 (0/ 2)	(-1.3 - 2.5)E 0 (0/ 4)
Co-58	(8)	130	4.5E -1	ONS-S	2.5E 0	6.6E -1
	(0)		(-2.6 - 4.2)E 0 (0/ 4)		(9.3 - 41.6)E -1 (0/ 2)	(-3.9 - 5.3)E 0 (0/ 4)
Fe-59	(8)	260	-1.5E -1	ONS-N	-6.2E -2	-3.1E 0
	(0)		(-4.7 - 4.3)E 0 (0/ 4)		(-5.9 - 4.7)E -1 (0/ 2)	(-1.1 - 0.3)E 1 (0/ 4)
Co-60	(8)	130	-1.2E -1	OFS-S	4.4E 0	2.4E 0
	(0)		(-4.1 - 5.3)E 0 (0/ 4)		(1.4 - 7.4)E 0 (0/ 2)	(-5.0 - 74.2)E -1 (0/ 4)
Zn-65	(8)	260	-2.8E -1	ONS-S	6.5E 0	1.8E 0
	(0)		(-8.0 - 11.0)E 0 (0/ 4)		(1.9 - 11.0)E 0 (0/ 2)	(-4.3 - 9.9)E 0 (0/ 4)
Se-75	(8)		7.2E -1	ONS-S	1.2E 0	-1.1E 0
	(0)		(-1.1 - 1.6)E 0 (0/ 4)		(9.5 - 14.4)E -1 (0/ 2)	(-2.0 - -0.1)E 0 (0/ 4)
Nb-95	(8)		1.2E 0	ONS-S	2.2E 0	6.8E -1
	(0)		(-2.1 - 28.8)E -1 (0/ 4)		(1.6 - 2.9)E 0 (0/ 2)	(-5.3 - 7.1)E 0 (0/ 4)
Zr-95	(8)		-9.9E -1	ONS-N	-3.7E -1	-5.3E 0
	(0)		(-5.9 - 2.7)E 0 (0/ 4)		(-1.1 - 0.3)E 0 (0/ 2)	(-7.1 - -4.0)E 0 (0/ 4)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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	(8)		2.5E -1	OFS-N	1.3E 0	1.3E 0
	(0)		(-6.3 - 17.9)E -1 (0/ 4)		(7.7 - 18.5)E -1 (0/ 2)	(7.7 - 18.5)E -1 (0/ 4)
Ru-106	(8)		-1.8E 1	OFS-N	2.9E 1	2.4E 1
	(0)		(-3.1 - -0.3)E 1 (0/ 4)		(6.3 - 52.3)E 0 (0/ 2)	(6.3 - 52.3)E 0 (0/ 4)
Ag-108m	(8)		-2.3E -1	OFS-N	4.7E -1	-4.0E -1
	(0)		(-1.4 - 1.2)E 0 (0/ 4)		(3.6 - 5.7)E -1 (0/ 2)	(-2.6 - 0.6)E 0 (0/ 4)
Ag-110m	(8)		-1.2E 0	OFS-S	2.4E 0	1.3E -1
	(0)		(-3.2 - 2.3)E 0 (0/ 4)		(2.0 - 2.8)E 0 (0/ 2)	(-4.8 - 2.8)E 0 (0/ 4)
Sb-124	(8)		-2.1E 0	OFS-N	4.1E 0	-1.2E 0
	(0)		(-1.1 - 0.7)E 1 (0/ 4)		(2.3 - 6.0)E 0 (0/ 2)	(-1.4 - 0.6)E 1 (0/ 4)
Sb-125	(8)		2.0E 0	ONS-S	2.6E 0	-3.8E -2
	(0)		(-6.7 - 47.7)E -1 (0/ 4)		(4.0 - 47.7)E -1 (0/ 2)	(-1.9 - 2.3)E 0 (0/ 4)
I-131	(8)		3.5E -1	ONS-N	1.8E 0	-3.8E 0
	(0)		(-4.1 - 5.8)E 0 (0/ 4)		(-2.2 - 5.8)E 0 (0/ 2)	(-6.9 - -0.1)E 0 (0/ 4)
Cs-134	(8)	130	2.0E 0	ONS-N	3.6E 0	-6.1E -1
	(0)		(-1.6 - 8.5)E 0 (0/ 4)		(-1.3 - 8.5)E 0 (0/ 2)	(-3.3 - 1.3)E 0 (0/ 4)
Cs-137	(8)	150	2.1E 1	ONS-N	2.1E 1	1.7E 1
	(0)		(1.9 - 2.3)E 1 (4/ 4)		(2.0 - 2.3)E 1 (2/ 2)	(8.8 - 33.3)E 0 (2/ 4)
Ba-140	(8)		-9.6E 0	OFS-N	4.5E 0	-7.2E -2
	(0)		(-3.3 - 0.9)E 1 (0/ 4)		(5.0 - 85.6)E -1 (0/ 2)	(-1.8 - 0.9)E 1 (0/ 4)
La-140	(8)		3.1E 0	ONS-S	6.3E 0	-3.5E 0
	(0)		(-1.2 - 12.0)E 0 (0/ 4)		(6.9 - 120.0)E -1 (0/ 2)	(-9.1 - 0.6)E 0 (0/ 4)
Ce-141	(8)		-3.3E 0	OFS-N	-8.5E -2	-1.3E 0
	(0)		(-6.4 - -1.4)E 0 (0/ 4)		(-3.6 - 3.4)E 0 (0/ 2)	(-8.4 - 3.4)E 0 (0/ 4)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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**
Ce-144	(8)		-3.0E 0	ONS-N	2.2E 0	-1.2E 1
	(0)		(-9.3 - 8.0)E 0 (0/ 4)		(-3.6 - 8.0)E 0 (0/ 2)	(-1.6 - -0.6)E 1 (0/ 4)
Ac-228	(8)		-1.2E 0	ONS-S	2.0E 0	-7.8E 0
	(0)		(-9.4 - 9.3)E 0 (0/ 4)		(-5.4 - 9.3)E 0 (0/ 2)	(-2.3 - 1.9)E 1 (0/ 4)
Th-228	(8)		-7.9E -2	OFS-S	5.3E 0	1.6E 0
	(0)		(-5.5 - 10.1)E 0 (0/ 4)		(-8.5 - 19.0)E 0 (0/ 2)	(-8.5 - 19.0)E 0 (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 2017)

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**
Be-7	(4)		1.0E 2	SL-3	1.2E 2	NO DATA
	(0)		(6.1 - 12.8)E 1 (0/ 4)		(1.2 - 1.3)E 2 (0/ 2)	
K-40	(4)		5.8E 3	SL-3	6.3E 3	NO DATA
	(0)		(5.2 - 6.6)E 3 (4/ 4)		(6.1 - 6.6)E 3 (2/ 2)	
Cr-51	(4)		-7.7E 1	SL-2	-2.2E 1	NO DATA
	(0)		(-1.7 - 0.4)E 2 (0/ 4)		(-8.0 - 3.6)E 1 (0/ 2)	
Mn-54	(4)		2.5E 0	SL-3	6.1E 0	NO DATA
	(0)		(-7.3 - 7.9)E 0 (0/ 4)		(4.3 - 7.9)E 0 (0/ 2)	
Co-57	(4)		6.4E -1	SL-3	2.1E 0	NO DATA
	(0)		(-4.9 - 3.3)E 0 (0/ 4)		(1.7 - 2.5)E 0 (0/ 2)	
Co-58	(4)		-2.7E 0	SL-2	2.6E 0	NO DATA
	(0)		(-1.8 - 0.5)E 1 (0/ 4)		(4.4 - 47.8)E -1 (0/ 2)	
Fe-59	(4)		-6.9E 0	SL-2	2.5E -1	NO DATA
	(0)		(-1.8 - 0.4)E 1 (0/ 4)		(-3.5 - 4.0)E 0 (0/ 2)	
Co-60	(4)		6.9E 0	SL-2	1.0E 1	NO DATA
	(0)		(-6.2 - 13.9)E 0 (0/ 4)		(8.2 - 11.7)E 0 (0/ 2)	
Zn-65	(4)		3.2E 1	SL-2	4.4E 1	NO DATA
	(0)		(1.3 - 5.1)E 1 (0/ 4)		(3.6 - 5.1)E 1 (0/ 2)	
Se-75	(4)		-8.1E 0	SL-3	-3.2E 0	NO DATA
	(0)		(-2.8 - 0.7)E 1 (0/ 4)		(-1.4 - 0.7)E 1 (0/ 2)	
Nb-95	(4)		3.9E 0	SL-2	6.0E 0	NO DATA
	(0)		(-3.8 - 9.8)E 0 (0/ 4)		(2.2 - 9.8)E 0 (0/ 2)	
Zr-95	(4)		-1.4E 0	SL-2	1.5E 1	NO DATA
	(0)		(-2.9 - 2.8)E 1 (0/ 4)		(1.7 - 28.2)E 0 (0/ 2)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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)		-7.5E -1	SL-3	3.6E -1	NO DATA
	(0)		(-7.8 - 7.0)E 0		(-6.3 - 7.0)E 0	
			(0/ 4)		(0/ 2)	
Ru-106	(4)		7.2E 1	SL-3	8.3E 1	NO DATA
	(0)		(4.7 - 11.9)E 1		(4.7 - 11.9)E 1	
			(0/ 4)		(0/ 2)	
Ag-108m	(4)		6.0E 0	SL-3	6.4E 0	NO DATA
	(0)		(1.3 - 10.2)E 0		(4.7 - 8.0)E 0	
			(0/ 4)		(0/ 2)	
Ag-110m	(4)		8.2E -1	SL-2	7.1E 0	NO DATA
	(0)		(-1.1 - 1.5)E 1		(-8.9 - 150.0)E -1	
			(0/ 4)		(0/ 2)	
Sb-124	(4)		-5.1E 0	SL-2	4.6E 0	NO DATA
	(0)		(-2.5 - 0.9)E 1		(7.4 - 915.0)E -2	
			(0/ 4)		(0/ 2)	
Sb-125	(4)		1.3E 1	SL-2	2.2E 1	NO DATA
	(0)		(-2.2 - 5.7)E 1		(-1.4 - 5.7)E 1	
			(0/ 4)		(0/ 2)	
I-131	(4)		-3.6E 0	SL-3	2.4E 1	NO DATA
	(0)		(-5.1 - 4.6)E 1		(2.8 - 45.7)E 0	
			(0/ 4)		(0/ 2)	
Cs-134	(4)	150	-7.1E -1	SL-2	4.0E 0	NO DATA
	(0)		(-1.7 - 1.5)E 1		(-6.6 - 14.7)E 0	
			(0/ 4)		(0/ 2)	
Cs-137	(4)	180	3.7E 0	SL-2	5.2E 0	NO DATA
	(0)		(-3.5 - 11.4)E 0		(-1.1 - 11.4)E 0	
			(0/ 4)		(0/ 2)	
Ba-140	(4)		2.2E 1	SL-2	3.2E 1	NO DATA
	(0)		(-5.1 - 7.4)E 1		(4.7 - 59.4)E 0	
			(0/ 4)		(0/ 2)	
La-140	(4)		6.4E 0	SL-3	1.7E 1	NO DATA
	(0)		(-2.3 - 3.0)E 1		(3.6 - 30.1)E 0	
			(0/ 4)		(0/ 2)	
Ce-141	(4)		-3.5E 0	SL-2	7.9E 0	NO DATA
	(0)		(-2.0 - 1.0)E 1		(5.5 - 10.3)E 0	
			(0/ 4)		(0/ 2)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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)**		-2.5E 1	SL-3	-8.8E 0	NO DATA
	(0)		(-4.3 - 1.3)E 1 (0/ 4)		(-3.1 - 1.3)E 1 (0/ 2)	
Ac-228	**(4)**		1.5E 2	SL-2	2.0E 2	NO DATA
	(0)		(8.5 - 24.5)E 1 (1/ 4)		(1.5 - 2.5)E 2 (1/ 2)	
Th-228	**(4)**		1.7E 2	SL-2	1.9E 2	NO DATA
	(0)		(1.3 - 1.9)E 2 (3/ 4)		(1.9 - 1.9)E 2 (1/ 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 2017)

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**
Be-7	(3)		5.1E 1	OFS-G	1.8E 2	1.8E 2
	(0)		(3.5 - 6.8)E 1			
			(0/ 2)		(1/ 1)	(1/ 1)
K-40	(3)		6.6E 2	OFS-G	2.9E 3	2.9E 3
	(0)		(3.2 - 10.0)E 2			
			(2/ 2)		(1/ 1)	(1/ 1)
Cr-51	(3)		6.0E 0	OFS-G	2.1E 1	2.1E 1
	(0)		(-6.4 - 18.4)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Mn-54	(3)		-1.0E 0	ONS-G	-1.0E 0	-1.4E 0
	(0)		(-1.0 - -1.0)E 0		(-1.0 - -1.0)E 0	
			(0/ 2)		(0/ 2)	(0/ 1)
Co-57	(3)		1.2E 0	ONS-G	1.2E 0	1.1E 0
	(0)		(-4.0 - 28.6)E -1		(-4.0 - 28.6)E -1	
			(0/ 2)		(0/ 2)	(0/ 1)
Co-58	(3)		3.1E 0	ONS-G	3.1E 0	-2.8E 0
	(0)		(-3.3 - 65.5)E -1		(-3.3 - 65.5)E -1	
			(0/ 2)		(0/ 2)	(0/ 1)
Fe-59	(3)		2.0E 1	ONS-G	2.0E 1	-7.9E 0
	(0)		(1.2 - 2.8)E 1		(1.2 - 2.8)E 1	
			(0/ 2)		(0/ 2)	(0/ 1)
Co-60	(3)		2.8E 0	ONS-G	2.8E 0	-5.5E 0
	(0)		(2.0 - 3.7)E 0		(2.0 - 3.7)E 0	
			(0/ 2)		(0/ 2)	(0/ 1)
Zn-65	(3)		-6.6E 0	OFS-G	8.9E 0	8.9E 0
	(0)		(-7.5 - -5.6)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Se-75	(3)		-5.2E 0	OFS-G	-2.5E -2	-2.5E -2
	(0)		(-1.0 - 0.0)E 1			
			(0/ 2)		(0/ 1)	(0/ 1)
Nb-95	(3)		-7.1E -1	OFS-G	9.1E 0	9.1E 0
	(0)		(-3.3 - 1.9)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Zr-95	(3)		1.8E 1	ONS-G	1.8E 1	-7.5E 0
	(0)		(-3.2 - 38.7)E 0		(-3.2 - 38.7)E 0	
			(0/ 2)		(0/ 2)	(0/ 1)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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

Radionuclides (No. Analyses) Non-Routine*		Required LLD	Indicator Stations Mean Range No. Detected**	Station	Station With Highest Mean Mean Range No. Detected**	Control Stations Mean Range No. Detected**
Ru-103	(3)		-4.7E 0	OFS-G	8.8E -2	8.8E -2
	(0)		(-8.3 - -1.2)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Ru-106	(3)		1.8E 1	ONS-G	1.8E 1	8.7E 0
	(0)		(-7.5 - 42.6)E 0		(-7.5 - 42.6)E 0	
			(0/ 2)		(0/ 2)	(0/ 1)
Ag-108m	(3)		1.8E 0	OFS-G	4.9E 0	4.9E 0
	(0)		(1.4 - 2.3)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Ag-110m	(3)		-2.9E -1	ONS-G	-2.9E -1	-1.8E 0
	(0)		(-4.1 - 3.5)E 0		(-4.1 - 3.5)E 0	
			(0/ 2)		(0/ 2)	(0/ 1)
Sb-124	(3)		-1.2E 0	OFS-G	1.6E 1	1.6E 1
	(0)		(-7.0 - 4.6)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Sb-125	(3)		1.8E 0	ONS-G	1.8E 0	-3.6E 0
	(0)		(-8.0 - 44.9)E -1		(-8.0 - 44.9)E -1	
			(0/ 2)		(0/ 2)	(0/ 1)
I-131	(3)	60	5.7E 0	ONS-G	5.7E 0	-8.1E 0
	(0)		(1.8 - 112.0)E -1		(1.8 - 112.0)E -1	
			(0/ 2)		(0/ 2)	(0/ 1)
Cs-134	(3)	60	7.9E -1	ONS-G	7.9E -1	-1.1E 1
	(0)		(-8.5 - 24.3)E -1		(-8.5 - 24.3)E -1	
			(0/ 2)		(0/ 2)	(0/ 1)
Cs-137	(3)	60	-2.3E 0	OFS-G	2.6E 0	2.6E 0
	(0)		(-6.3 - 1.6)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Ba-140	(3)		-9.6E 0	OFS-G	-8.6E 0	-8.6E 0
	(0)		(-1.7 - -0.3)E 1			
			(0/ 2)		(0/ 1)	(0/ 1)
La-140	(3)		-1.9E 0	OFS-G	3.1E 0	3.1E 0
	(0)		(-8.7 - 5.0)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Ce-141	(3)		-1.1E 1	OFS-G	-6.6E 0	-6.6E 0
	(0)		(-2.0 - -0.2)E 1			
			(0/ 2)		(0/ 1)	(0/ 1)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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	(3)		-1.3E 1	ONS-G	-1.3E 1	-2.6E 1
	(0)		(-1.5 - -1.2)E 1 (0/ 2)		(-1.5 - -1.2)E 1 (0/ 2)	(0/ 1)
Ac-228	(3)		-1.7E 1	ONS-G	-1.7E 1	-3.2E 1
	(0)		(-2.0 - -1.3)E 1 (0/ 2)		(-2.0 - -1.3)E 1 (0/ 2)	(0/ 1)
Th-228	(3)		-8.3E 0	OFS-G	-7.6E 0	-7.6E 0
	(0)		(-1.6 - 0.0)E 1 (0/ 2)		(0/ 1)	(0/ 1)

* 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 2017)

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	 Mean Range No. Detected**	Control Stations Mean Range No. Detected**
Be-7	(28)		2.0E 3	ONS2-V	3.0E 3	1.9E 3
	(0)		(2.9 - 46.8)E 2 (24/ 24)		(1.6 - 4.7)E 3 (6/ 6)	(7.4 - 30.5)E 2 (4/ 4)
K-40	(28)		3.6E 3	ONS5-V	5.6E 3	2.6E 3
	(0)		(1.2 - 8.4)E 3 (24/ 24)		(1.9 - 8.4)E 3 (3/ 3)	(1.9 - 3.6)E 3 (4/ 4)
Cr-51	(28)		-7.6E 0	OFS1-V	3.3E 1	2.2E 1
	(0)		(-1.4 - 1.0)E 2 (0/ 24)		(-9.8 - 112.0)E 0 (0/ 3)	(-1.1 - 11.2)E 1 (0/ 4)
Mn-54	(28)		2.0E -1	ONS5-V	8.2E 0	-5.3E -1
	(0)		(-2.8 - 2.1)E 1 (0/ 24)		(1.8 - 20.5)E 0 (0/ 3)	(-6.4 - 5.6)E 0 (0/ 4)
Co-57	(28)		1.0E 0	OFS2-V	2.2E 0	-2.2E -1
	(0)		(-9.2 - 9.3)E 0 (0/ 24)		(0/ 1)	(-6.3 - 5.5)E 0 (0/ 4)
Co-58	(28)		1.4E 0	ONS2-V	5.9E 0	-7.3E 0
	(0)		(-1.4 - 3.3)E 1 (0/ 24)		(-9.7 - 27.9)E 0 (0/ 6)	(-1.5 - 0.0)E 1 (0/ 4)
Fe-59	(28)		6.3E -1	OFS1-V	1.9E 1	1.5E 1
	(0)		(-2.2 - 3.2)E 1 (0/ 24)		(7.8 - 398.0)E -1 (0/ 3)	(7.8 - 398.0)E -1 (0/ 4)
Co-60	(28)		7.0E -1	ONS3-V	5.7E 0	-1.1E 1
	(0)		(-1.8 - 2.3)E 1 (0/ 24)		(-1.6 - 14.7)E 0 (0/ 6)	(-2.1 - -0.1)E 1 (0/ 4)
Zn-65	(28)		4.1E 0	ONS5-V	7.4E 0	-1.6E 0
	(0)		(-2.6 - 3.9)E 1 (0/ 24)		(2.0 - 14.2)E 0 (0/ 3)	(-7.7 - 3.9)E 0 (0/ 4)
Se-75	(28)		1.3E 0	ONS4-V	2.8E 0	-2.4E 0
	(0)		(-1.3 - 2.4)E 1 (0/ 24)		(-1.3 - 2.4)E 1 (0/ 9)	(-1.1 - 1.0)E 1 (0/ 4)
Nb-95	(28)		3.0E 0	ONS4-V	6.8E 0	1.4E 0
	(0)		(-2.3 - 4.3)E 1 (0/ 24)		(-9.8 - 43.4)E 0 (0/ 9)	(-6.3 - 16.4)E 0 (0/ 4)
Zr-95	(28)		2.4E 0	OFS2-V	8.4E 0	-6.5E -1
	(0)		(-3.7 - 5.7)E 1 (0/ 24)		(0/ 1)	(-1.9 - 0.8)E 1 (0/ 4)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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)		-5.7E -1	OFS1-V	3.8E 0	2.3E 0
	(0)		(-2.7 - 1.8)E 1		(3.7 - 57.1)E -1	(-2.0 - 5.7)E 0
			(0/ 24)		(0/ 3)	(0/ 4)
Ru-106	(28)		1.4E 1	ONS4-V	7.0E 1	-1.7E 1
	(0)		(-1.6 - 2.2)E 2		(-2.6 - 22.3)E 1	(-1.1 - 0.6)E 2
			(0/ 24)		(0/ 9)	(0/ 4)
Ag-108m	(28)		4.5E -1	ONS5-V	4.7E 0	1.1E 0
	(0)		(-1.0 - 1.1)E 1		(-1.9 - 10.9)E 0	(-5.9 - 4.6)E 0
			(0/ 24)		(0/ 3)	(0/ 4)
Ag-110m	(28)		-8.8E -1	OFS2-V	5.5E 0	3.5E 0
	(0)		(-3.6 - 2.5)E 1			(6.4 - 8140.0)E -3
			(0/ 24)		(0/ 1)	(0/ 4)
Sb-124	(28)		-9.4E 0	OFS1-V	1.4E 1	9.2E 0
	(0)		(-1.0 - 0.1)E 2		(-1.7 - 23.7)E 0	(-5.2 - 23.7)E 0
			(0/ 24)		(0/ 3)	(0/ 4)
Sb-125	(28)		3.0E 0	ONS3-V	8.5E 0	-8.1E 0
	(0)		(-4.3 - 8.8)E 1		(-7.0 - 35.3)E 0	(-2.0 - 0.6)E 1
			(0/ 24)		(0/ 6)	(0/ 4)
I-131	(28)	60	7.3E -1	OFS1-V	1.0E 1	6.6E 0
	(0)		(-2.1 - 3.3)E 1		(-9.6 - 20.5)E 0	(-9.6 - 20.5)E 0
			(0/ 24)		(0/ 3)	(0/ 4)
Cs-134	(28)	60	2.5E 0	ONS2-V	4.3E 0	-3.2E 0
	(0)		(-1.1 - 2.7)E 1		(-1.1 - 2.7)E 1	(-1.5 - 0.9)E 1
			(0/ 24)		(0/ 6)	(0/ 4)
Cs-137	(28)	60	1.6E 1	ONS3-V	2.8E 1	1.1E 1
	(0)		(-8.6 - 103.0)E 0		(-8.6 - 103.0)E 0	(-1.3 - 40.1)E 0
			(3/ 24)		(2/ 6)	(0/ 4)
Ba-140	(28)		2.3E 0	OFS2-V	1.6E 1	1.2E 1
	(0)		(-1.1 - 1.0)E 2			(-2.6 - 3.0)E 1
			(0/ 24)		(0/ 1)	(0/ 4)
La-140	(28)		1.7E 0	OFS1-V	3.6E 0	4.2E -1
	(0)		(-1.5 - 2.0)E 1		(-6.5 - 18.6)E 0	(-9.1 - 18.6)E 0
			(0/ 24)		(0/ 3)	(0/ 4)
Ce-141	(28)		-3.6E 0	ONS5-V	8.7E 0	-1.9E 1
	(0)		(-3.7 - 2.3)E 1		(-7.2 - 232.0)E -1	(-4.2 - -0.6)E 1
			(0/ 24)		(0/ 3)	(0/ 4)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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)**		4.5E 0	ONS5-V	3.5E 1	-1.4E 1
	(0)		(-1.2 - 1.4)E 2 (0/ 24)		(1.5 - 4.9)E 1 (0/ 3)	(-9.9 - 4.4)E 1 (0/ 4)
Ac-228	**(28)**		1.1E 1	ONS3-V	5.7E 1	2.1E 0
	(0)		(-6.8 - 10.7)E 1 (0/ 24)		(1.2 - 10.7)E 1 (0/ 6)	(-1.1 - 1.1)E 2 (0/ 4)
Th-228	**(28)**		1.6E 1	OFS1-V	2.7E 1	1.7E 1
	(0)		(-2.6 - 6.0)E 1 (0/ 24)		(-1.5 - 7.0)E 1 (0/ 3)	(-1.5 - 7.0)E 1 (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 2017)

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	1.4E 0	LTW	1.4E 0	1.3E 0
	(0)		(-1.6 - 3.2)E 0 (0/ 26)		(-1.6 - 3.2)E 0 (0/ 26)	(-7.5 - 32.8)E -1 (0/ 26)
H-3	(8)	2000	-1.4E 2	LTW	-1.4E 2	-1.5E 2
	(0)		(-4.9 - 2.3)E 2 (0/ 4)		(-4.9 - 2.3)E 2 (0/ 4)	(-6.3 - 1.6)E 2 (0/ 4)
Be-7	(52)		3.5E 0	LTW	3.5E 0	-2.0E -2
	(0)		(-1.3 - 3.6)E 1 (0/ 26)		(-1.3 - 3.6)E 1 (0/ 26)	(-2.2 - 2.4)E 1 (0/ 26)
K-40	(52)		-6.6E 0	STJ	-7.0E -1	-7.0E -1
	(0)		(-3.4 - 10.5)E 1 (0/ 26)		(-4.4 - 6.1)E 1 (0/ 26)	(-4.4 - 6.1)E 1 (0/ 26)
Cr-51	(52)		1.9E 0	LTW	1.9E 0	-1.6E 0
	(0)		(-2.1 - 1.7)E 1 (0/ 26)		(-2.1 - 1.7)E 1 (0/ 26)	(-1.1 - 1.1)E 1 (0/ 26)
Mn-54	(52)	15	-3.0E -1	STJ	-3.4E -2	-3.4E -2
	(0)		(-1.6 - 1.6)E 0 (0/ 26)		(-1.5 - 2.0)E 0 (0/ 26)	(-1.5 - 2.0)E 0 (0/ 26)
Co-57	(52)		5.8E -2	LTW	5.8E -2	-1.6E -1
	(0)		(-1.2 - 2.3)E 0 (0/ 26)		(-1.2 - 2.3)E 0 (0/ 26)	(-2.7 - 2.6)E 0 (0/ 26)
Co-58	(52)	15	-7.0E -2	STJ	1.8E -2	1.8E -2
	(0)		(-2.0 - 3.4)E 0 (0/ 26)		(-2.3 - 3.6)E 0 (0/ 26)	(-2.3 - 3.6)E 0 (0/ 26)
Fe-59	(52)	30	2.3E -1	STJ	1.0E 0	1.0E 0
	(0)		(-4.2 - 4.8)E 0 (0/ 26)		(-2.7 - 5.6)E 0 (0/ 26)	(-2.7 - 5.6)E 0 (0/ 26)
Co-60	(52)	15	8.0E -2	LTW	8.0E -2	-8.3E -2
	(0)		(-2.9 - 1.8)E 0 (0/ 26)		(-2.9 - 1.8)E 0 (0/ 26)	(-1.5 - 2.3)E 0 (0/ 26)
Zn-65	(52)	30	-3.9E -1	STJ	3.5E -1	3.5E -1
	(0)		(-1.1 - 0.5)E 1 (0/ 26)		(-3.8 - 8.9)E 0 (0/ 26)	(-3.8 - 8.9)E 0 (0/ 26)
Se-75	(52)		2.4E -1	LTW	2.4E -1	-1.7E -3
	(0)		(-2.1 - 4.5)E 0 (0/ 26)		(-2.1 - 4.5)E 0 (0/ 26)	(-1.9 - 2.9)E 0 (0/ 26)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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	-1.8E -1	STJ	7.1E -1	7.1E -1
	(0)		(-2.1 - 3.3)E 0		(-4.7 - 8.0)E 0	(-4.7 - 8.0)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Zr-95	(52)	30	1.3E -1	STJ	3.8E -1	3.8E -1
	(0)		(-5.7 - 3.0)E 0		(-3.0 - 6.8)E 0	(-3.0 - 6.8)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ru-103	(52)		-8.1E -1	STJ	-4.6E -1	-4.6E -1
	(0)		(-2.7 - 1.1)E 0		(-4.0 - 1.8)E 0	(-4.0 - 1.8)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ru-106	(52)		3.4E 0	LTW	3.4E 0	-2.4E 0
	(0)		(-9.5 - 19.3)E 0		(-9.5 - 19.3)E 0	(-1.9 - 1.6)E 1
			(0/ 26)		(0/ 26)	(0/ 26)
Ag-108m	(52)		-1.2E -1	STJ	1.2E -1	1.2E -1
	(0)		(-2.0 - 1.4)E 0		(-1.2 - 2.0)E 0	(-1.2 - 2.0)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ag-110m	(52)		3.9E -1	LTW	3.9E -1	-1.2E -1
	(0)		(-2.4 - 3.0)E 0		(-2.4 - 3.0)E 0	(-2.9 - 2.1)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Sb-124	(52)		-3.7E -1	STJ	-4.2E -2	-4.2E -2
	(0)		(-4.9 - 4.1)E 0		(-3.5 - 4.7)E 0	(-3.5 - 4.7)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Sb-125	(52)		1.8E -1	STJ	1.0E 0	1.0E 0
	(0)		(-4.1 - 7.8)E 0		(-3.4 - 6.7)E 0	(-3.4 - 6.7)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
I-131	(52)	1	5.2E -2	LTW	5.2E -2	1.6E -2
	(0)		(-7.2 - 6.6)E -1		(-7.2 - 6.6)E -1	(-4.2 - 7.8)E -1
			(0/ 26)		(0/ 26)	(0/ 26)
Cs-134	(52)	15	2.5E -1	STJ	6.0E -1	6.0E -1
	(0)		(-1.8 - 3.2)E 0		(-1.7 - 5.5)E 0	(-1.7 - 5.5)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Cs-137	(52)	18	-2.0E -1	STJ	3.3E -1	3.3E -1
	(0)		(-2.9 - 3.0)E 0		(-2.5 - 2.2)E 0	(-2.5 - 2.2)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ba-140	(52)	60	-1.1E 0	STJ	1.0E 0	1.0E 0
	(0)		(-1.3 - 0.9)E 1		(-1.3 - 1.1)E 1	(-1.3 - 1.1)E 1
			(0/ 26)		(0/ 26)	(0/ 26)

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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	-6.0E -1	STJ	-1.8E -1	-1.8E -1
	(0)		(-4.5 - 3.7)E 0		(-5.0 - 2.9)E 0	(-5.0 - 2.9)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ce-141	(52)		-3.0E -1	LTW	-3.0E -1	-1.2E 0
	(0)		(-4.5 - 8.6)E 0		(-4.5 - 8.6)E 0	(-7.0 - 7.9)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ce-144	(52)		5.1E -1	LTW	5.1E -1	-1.1E 0
	(0)		(-1.3 - 1.8)E 1		(-1.3 - 1.8)E 1	(-8.3 - 24.1)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Ac-228	(52)		-8.9E -1	STJ	7.5E -1	7.5E -1
	(0)		(-1.1 - 0.9)E 1		(-8.6 - 21.4)E 0	(-8.6 - 21.4)E 0
			(0/ 26)		(0/ 26)	(0/ 26)
Th-228	(52)		2.1E 0	LTW	2.1E 0	7.2E -1
	(0)		(-4.4 - 12.6)E 0		(-4.4 - 12.6)E 0	(-7.1 - 10.8)E 0
			(0/ 26)		(0/ 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 2017)

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**
H-3	(69)	2000	3.3E 2	W-5	9.6E 2	NO DATA
	(0)		(-8.1 - 14.0)E 2		(5.1 - 12.9)E 2	
			(0/ 69)		(0/ 4)	
Be-7	(69)		7.9E -1	W-12	1.3E 1	NO DATA
	(0)		(-2.1 - 2.9)E 1		(4.3 - 25.4)E 0	
			(0/ 69)		(0/ 4)	
K-40	(69)		1.6E -1	W-2	3.1E 1	NO DATA
	(0)		(-5.0 - 6.5)E 1		(-1.9 - 6.1)E 1	
			(2/ 69)		(1/ 4)	
Cr-51	(69)		8.7E -1	W-13	1.5E 1	NO DATA
	(0)		(-2.5 - 4.3)E 1		(-5.7 - 43.2)E 0	
			(0/ 69)		(0/ 4)	
Mn-54	(69)	15	1.9E -1	W-9	1.1E 0	NO DATA
	(0)		(-2.2 - 3.3)E 0		(-3.5 - 23.8)E -1	
			(0/ 69)		(0/ 4)	
Co-57	(69)		2.5E -1	MW-20	1.1E 0	NO DATA
	(0)		(-1.8 - 3.0)E 0		(-2.6 - 23.4)E -1	
			(0/ 69)		(0/ 4)	
Co-58	(69)	15	-5.5E -2	MW-20	1.0E 0	NO DATA
	(0)		(-2.8 - 3.6)E 0		(-4.9 - 25.2)E -1	
			(0/ 69)		(0/ 4)	
Fe-59	(69)	30	-4.1E -1	W-14	1.3E 0	NO DATA
	(0)		(-4.2 - 8.1)E 0		(-3.4 - 6.6)E 0	
			(0/ 69)		(0/ 4)	
Co-60	(69)	15	1.7E -1	W-12	1.6E 0	NO DATA
	(0)		(-3.8 - 3.1)E 0		(9.8 - 253.0)E -2	
			(0/ 69)		(0/ 4)	
Zn-65	(69)	30	-2.4E -1	W-4	1.2E 0	NO DATA
	(0)		(-5.1 - 4.9)E 0		(-1.4 - 28.4)E -1	
			(0/ 69)		(0/ 4)	
Se-75	(69)		3.5E -1	W-15	3.1E 0	NO DATA
	(0)		(-1.9 - 8.4)E 0		(-1.1 - 8.4)E 0	
			(0/ 69)		(0/ 4)	
Nb-95	(69)	15	8.0E -2	W-9	1.0E 0	NO DATA
	(0)		(-2.9 - 5.4)E 0		(-1.6 - 5.4)E 0	
			(0/ 69)		(0/ 4)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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**
Zr-95	(69)	30	2.3E -1	W-7	2.3E 0	NO DATA
	(0)		(-2.8 - 6.4)E 0		(-2.2 - 6.4)E 0	
			(0/ 69)		(0/ 4)	
Ru-103	(69)		-5.2E -1	W-12	4.4E -1	NO DATA
	(0)		(-3.8 - 3.2)E 0		(-9.7 - 31.8)E -1	
			(0/ 69)		(0/ 4)	
Ru-106	(69)		1.1E 0	W-12	9.8E 0	NO DATA
	(0)		(-1.8 - 4.2)E 1		(3.1 - 28400.0)E -3	
			(0/ 69)		(0/ 4)	
Ag-108m	(69)		2.6E -2	MW-21	9.4E -1	NO DATA
	(0)		(-2.0 - 1.8)E 0		(-4.1 - 18.2)E -1	
			(0/ 69)		(0/ 4)	
Ag-110m	(69)		1.3E -1	W-8	1.4E 0	NO DATA
	(0)		(-3.2 - 4.6)E 0		(-2.6 - 28.6)E -1	
			(0/ 69)		(0/ 4)	
Sb-124	(69)		-1.8E -1	W-12	1.6E 0	NO DATA
	(0)		(-6.7 - 4.5)E 0		(-3.4 - 42.3)E -1	
			(0/ 69)		(0/ 4)	
Sb-125	(69)		4.2E -1	W-1	2.1E 0	NO DATA
	(0)		(-7.0 - 5.8)E 0		(-1.3 - 4.9)E 0	
			(0/ 69)		(0/ 4)	
I-131	(69)	1	3.6E -1	W-14	4.1E 0	NO DATA
	(0)		(-6.0 - 10.1)E 0		(-1.9 - 101.0)E -1	
			(0/ 69)		(0/ 4)	
Cs-134	(69)	15	2.6E -1	W-8	1.1E 0	NO DATA
	(0)		(-2.4 - 6.0)E 0		(-2.2 - 4.4)E 0	
			(0/ 69)		(0/ 4)	
Cs-137	(69)	18	-6.0E -2	W-12	8.1E -1	NO DATA
	(0)		(-3.1 - 3.8)E 0		(-6.4 - 26.3)E -1	
			(0/ 69)		(0/ 4)	
Ba-140	(69)	60	2.0E 0	W-14	1.4E 1	NO DATA
	(0)		(-1.6 - 3.6)E 1		(6.4 - 35.8)E 0	
			(0/ 69)		(0/ 4)	
La-140	(69)	15	-7.6E -1	W-1	1.2E 0	NO DATA
	(0)		(-9.1 - 5.9)E 0		(-3.4 - 5.9)E 0	
			(0/ 69)		(0/ 4)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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**
Ce-141	**(69)**		-9.3E -1	W-8	2.7E 0	NO DATA
	(0)		(-7.0 - 5.8)E 0 (0/ 69)		(-2.3 - 5.7)E 0 (0/ 4)	
Ce-144	**(69)**		1.1E 0	W-7	5.9E 0	NO DATA
	(0)		(-1.8 - 2.5)E 1 (0/ 69)		(-2.8 - 17.0)E 0 (0/ 4)	
Ac-228	**(69)**		7.9E -1	MW-20	6.6E 0	NO DATA
	(0)		(-1.3 - 2.3)E 1 (0/ 69)		(-5.9 - 22.9)E 0 (0/ 4)	
Th-228	**(69)**		2.4E 0	W-10	7.3E 0	NO DATA
	(0)		(-5.2 - 16.6)E 0 (0/ 69)		(5.2 - 9.3)E 0 (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 2017)

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-2	2.3E 2	NO DATA
	(0)		(-2.4 - 8.0)E 2		(-2.4 - 6.4)E 2	
			(0/ 8)		(0/ 4)	
Be-7	(24)		8.8E -1	SWL-3	2.1E 0	NO DATA
	(0)		(-8.0 - 13.6)E 0		(-3.9 - 10.3)E 0	
			(0/ 24)		(0/ 12)	
K-40	(24)		3.5E 0	SWL-2	4.8E 0	NO DATA
	(0)		(-3.2 - 5.0)E 1		(-2.6 - 5.0)E 1	
			(0/ 24)		(0/ 12)	
Cr-51	(24)		-5.2E -1	SWL-3	-2.1E -1	NO DATA
	(0)		(-1.6 - 1.9)E 1		(-1.4 - 1.9)E 1	
			(0/ 24)		(0/ 12)	
Mn-54	(24)	15	3.5E -1	SWL-2	4.0E -1	NO DATA
	(0)		(-6.1 - 17.3)E -1		(-6.1 - 17.3)E -1	
			(0/ 24)		(0/ 12)	
Co-57	(24)		1.0E -1	SWL-2	2.0E -1	NO DATA
	(0)		(-1.2 - 2.3)E 0		(-1.2 - 2.3)E 0	
			(0/ 24)		(0/ 12)	
Co-58	(24)	15	-2.1E -1	SWL-3	-1.9E -1	NO DATA
	(0)		(-2.0 - 2.6)E 0		(-2.0 - 2.6)E 0	
			(0/ 24)		(0/ 12)	
Fe-59	(24)	30	-9.2E -2	SWL-3	1.6E -1	NO DATA
	(0)		(-2.9 - 4.0)E 0		(-2.9 - 4.0)E 0	
			(0/ 24)		(0/ 12)	
Co-60	(24)	15	1.1E -1	SWL-2	2.0E -1	NO DATA
	(0)		(-7.9 - 11.0)E -1		(-7.9 - 11.0)E -1	
			(0/ 24)		(0/ 12)	
Zn-65	(24)	30	2.8E -1	SWL-2	7.3E -1	NO DATA
	(0)		(-3.0 - 6.3)E 0		(-3.0 - 6.3)E 0	
			(0/ 24)		(0/ 12)	
Se-75	(24)		1.3E -1	SWL-3	2.3E -1	NO DATA
	(0)		(-8.6 - 14.3)E -1		(-5.8 - 14.3)E -1	
			(0/ 24)		(0/ 12)	
Nb-95	(24)	15	5.6E -2	SWL-2	3.5E -1	NO DATA
	(0)		(-2.2 - 3.7)E 0		(-1.7 - 3.7)E 0	
			(0/ 24)		(0/ 12)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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	(24)	30	-5.6E -2	SWL-2	3.7E -1	NO DATA
	(0)		(-4.6 - 3.0)E 0		(-4.6 - 2.8)E 0	
			(0/ 24)		(0/ 12)	
Ru-103	(24)		5.3E -2	SWL-2	5.7E -1	NO DATA
	(0)		(-2.9 - 8.1)E 0		(-2.9 - 8.1)E 0	
			(0/ 24)		(0/ 12)	
Ru-106	(24)		-1.1E 0	SWL-2	-9.2E -1	NO DATA
	(0)		(-1.0 - 0.6)E 1		(-4.3 - 5.8)E 0	
			(0/ 24)		(0/ 12)	
Ag-108m	(24)		2.1E -1	SWL-2	2.6E -1	NO DATA
	(0)		(-7.7 - 17.6)E -1		(-4.8 - 17.6)E -1	
			(0/ 24)		(0/ 12)	
Ag-110m	(24)		2.7E -1	SWL-2	3.4E -1	NO DATA
	(0)		(-2.4 - 4.8)E 0		(-1.3 - 2.0)E 0	
			(0/ 24)		(0/ 12)	
Sb-124	(24)		-5.6E -2	SWL-2	5.5E -2	NO DATA
	(0)		(-5.5 - 4.3)E 0		(-3.2 - 4.3)E 0	
			(0/ 24)		(0/ 12)	
Sb-125	(24)		7.4E -1	SWL-2	1.0E 0	NO DATA
	(0)		(-3.5 - 7.4)E 0		(-1.3 - 7.4)E 0	
			(0/ 24)		(0/ 12)	
I-131	(24)	1	5.2E 0	SWL-2	6.0E 0	NO DATA
	(0)		(-6.1 - 53.8)E 0		(-6.1 - 53.8)E 0	
			(0/ 24)		(0/ 12)	
Cs-134	(24)	15	-1.3E -1	SWL-2	2.6E -1	NO DATA
	(0)		(-2.3 - 5.7)E 0		(-2.1 - 5.7)E 0	
			(0/ 24)		(0/ 12)	
Cs-137	(24)	18	-2.1E -1	SWL-2	-9.1E -2	NO DATA
	(0)		(-1.9 - 1.0)E 0		(-1.9 - 0.7)E 0	
			(0/ 24)		(0/ 12)	
Ba-140	(24)	60	2.9E 0	SWL-3	4.8E 0	NO DATA
	(0)		(-2.3 - 2.3)E 1		(-1.1 - 2.3)E 1	
			(0/ 24)		(0/ 12)	
La-140	(24)	15	-1.1E 0	SWL-3	-9.3E -2	NO DATA
	(0)		(-9.0 - 6.2)E 0		(-4.8 - 6.2)E 0	
			(0/ 24)		(0/ 12)	

Table 3.1
Radiological Environmental Program Summary
Donald C. Cook Nuclear Plant
(January - December 2017)

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	(24)		-6.1E -1	SWL-2	-2.8E -1	NO DATA
	(0)		(-7.0 - 4.9)E 0		(-5.1 - 3.1)E 0	
			(0/ 24)		(0/ 12)	
Ce-144	(24)		-7.8E -3	SWL-3	6.5E -1	NO DATA
	(0)		(-8.3 - 8.1)E 0		(-8.3 - 8.1)E 0	
			(0/ 24)		(0/ 12)	
Ac-228	(24)		6.4E -1	SWL-2	1.8E 0	NO DATA
	(0)		(-9.8 - 15.5)E 0		(-6.0 - 15.5)E 0	
			(0/ 24)		(0/ 12)	
Th-228	(24)		1.7E 0	SWL-2	2.3E 0	NO DATA
	(0)		(-3.0 - 9.5)E 0		(-3.0 - 9.5)E 0	
			(1/ 24)		(1/ 12)	

* 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

2017
Environmental TLD Exposure Rate Measurements

(μR/hr.)

	Onsite TLDs	Offsite and Control TLDs	Highest Mean (SBN)
Mean	5.2 ± 0.3	5.8 ± 0.7	7.5 ± 0.4
Range	4.7 - 6.1	4.8 - 8	7.1 - 8
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

2017
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	5.2 ± 0.2	5.1 ± 0.2	5.6 ± 0.2	5.2 ± 0.3	5.3
T-02	5.1 ± 0.2	5.1 ± 0.2	5.0 ± 0.2	5.3 ± 0.3	5.1
T-03	4.8 ± 0.4	4.7 ± 0.2	5.0 ± 0.2	5.2 ± 0.4	4.9
T-04	5.8 ± 0.2	5.8 ± 0.3	6.0 ± 0.5	6.1 ± 0.2	5.9
T-05	4.9 ± 0.2	4.9 ± 0.2	5.2 ± 0.2	5.3 ± 0.2	5.1
T-06	5.0 ± 0.4	5.0 ± 0.4	5.2 ± 0.4	5.2 ± 0.4	5.1
T-07	5.0 ± 0.2	5.1 ± 0.2	5.2 ± 0.2	5.0 ± 0.2	5.1
T-08	5.4 ± 0.3	5.1 ± 0.3	5.4 ± 0.2	5.3 ± 0.2	5.3
T-09	4.7 ± 0.3	4.7 ± 0.3	4.8 ± 0.2	4.7 ± 0.2	4.7
T-10	5.3 ± 0.2	5.2 ± 0.3	5.7 ± 0.5	5.4 ± 0.4	5.4
T-11	5.1 ± 0.2	4.8 ± 0.4	5.0 ± 0.2	4.8 ± 0.2	4.9
T-12	5.0 ± 0.1	5.0 ± 0.2	5.4 ± 0.3	5.3 ± 0.4	5.2
NBF	6.1 ± 0.2	5.4 ± 0.3	5.5 ± 0.4	5.6 ± 0.3	5.7
SBN	7.1 ± 0.2	7.4 ± 0.2	8.0 ± 0.3	7.6 ± 0.3	7.5
DOW	5.2 ± 0.2	4.8 ± 0.4	5.0 ± 0.2	5.0 ± 0.3	5.0
COL	5.0 ± 0.1	4.9 ± 0.2	5.0 ± 0.4	4.9 ± 0.2	5.0
OFT-1	5.0 ± 0.3	5.3 ± 0.2	5.6 ± 0.2	5.4 ± 0.3	5.3
OFT-2	5.4 ± 0.4	5.2 ± 0.2	5.8 ± 0.4	5.6 ± 0.3	5.5
OFT-3	5.4 ± 0.2	5.2 ± 0.3	5.9 ± 0.2	5.8 ± 0.2	5.6
OFT-4	5.6 ± 0.2	5.6 ± 0.2	6.0 ± 0.4	6.1 ± 0.2	5.8
OFT-5	5.3 ± 0.2	5.3 ± 0.3	5.5 ± 0.3	5.7 ± 0.2	5.5
OFT-6	6.6 ± 0.2	6.6 ± 0.2	7.4 ± 0.3	7.0 ± 0.3	6.9
OFT-7	5.2 ± 0.2	5.3 ± 0.3	5.7 ± 0.2	5.8 ± 0.3	5.5
OFT-8	6.3 ± 0.2	6.0 ± 0.2	6.5 ± 0.2	6.8 ± 0.3	6.4
OFT-9	5.6 ± 0.2	6.0 ± 0.3	6.1 ± 0.2	6.1 ± 0.3	6.0
OFT-10	5.2 ± 0.2	5.3 ± 0.2	5.6 ± 0.3	5.8 ± 0.3	5.5
OFT-11	5.9 ± 0.2	6.4 ± 0.3	6.8 ± 0.4	6.7 ± 0.2	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, unavailable samples 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 2017 sampling program:

1. 1/6/2017-1/17/2017, 2/4/2017-2/7/2017, 2/9/2017: No surface water samples were obtained due to ice buildup along the shore of Lake Michigan. On 2/3/2017 only surface water sample SWL-2 could be collected. AR 2017-6207 was written to document these program deviations. Sufficient sample volume for the monthly composites was obtained.
2. 1/1/2017 through 12/31/2017: 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 2017. This has been the case since 2010. GT 00102954-01 documents this event and the commencement of broadleaf sampling in lieu of milk. AR 2011-13312 was initiated in November of 2011 to validate the adequacy of the broadleaf sampling program. The Land Use Census, performed annually by CNP, is used to identify dairy farms. However, no new dairy farms were identified in 2017. Broadleaf sampling in lieu of milk was performed.
3. 5/31/2017: A reading of run time and flow could not be retrieved from the digital flow meter (DFM) of the air pump at the station located off-site in Dowagiac (designated DOW). The air pump was immediately replaced with a calibrated air pump with an operable DFM. Further attempts to get a reading off the DFM were made on site by the qualified technician, but it would not turn on. The air pump and DFM were sent to the vendor for further investigation and the vendor was only able to conclude that the DFM had failed. Since the telemetry is only capable of registering a loss of power to the air pump (and attached DFM), no notification of when the DFM actually stopped working was received. This meant that neither run time, nor sample amount could be accurately calculated or even estimated. Therefore, the sample was deemed unusable. Though results of the weekly run from May 24, 2017 to May 31, 2017 were unobtainable, this missing

sample did not affect the quarterly composite results. This was considered a missing sample and was documented in AR 2017-6507.

4. During the month of June 2017 ongoing modifications to switchyards, breaker boxes and electric poles caused temporary power losses to the air stations fed by these components as follows: ONS-2 on June 5 for 4 hours and 49 minutes; SBN on June 13 for 2 hours; ONS-5 on June 14 for one hour and 20 minutes; ONS-6 on June 14 for one hour and 20 minutes; and ONS-5 on June 22 for approximately one and a half hours. None of these power losses affected the viability of the samples. These power losses were documented on AR 2017-6499.
5. 10/24/2017: ONS-1 lost power at 11:58 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 six hours later at 17:50. This loss did not affect sampling or the viability of the sample. This power loss was documented in AR 2017-11306. ONS-1 had a second loss of power on 12/5/2017 which lasted from 21:52 to 01:41. The loss of power was due to inclement weather. These power losses were documented in AR 2018-4084.
6. 12/27-12/31/2017: Surface Water samples could not be obtained due to ice buildup on the lake and hazardous conditions. These missed samples do not affect the viability of the composite sampling.

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 2017, on a broadleaf vegetation sample for nuclide Cs-137; however, this result was considered a false positive by the laboratory due to low abundance. This was documented in AR 2018-4175.

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 2017.

4.4 Data Analysis by Media Type – Discussion

The 2017 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 2017). 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 end 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]. Also, 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

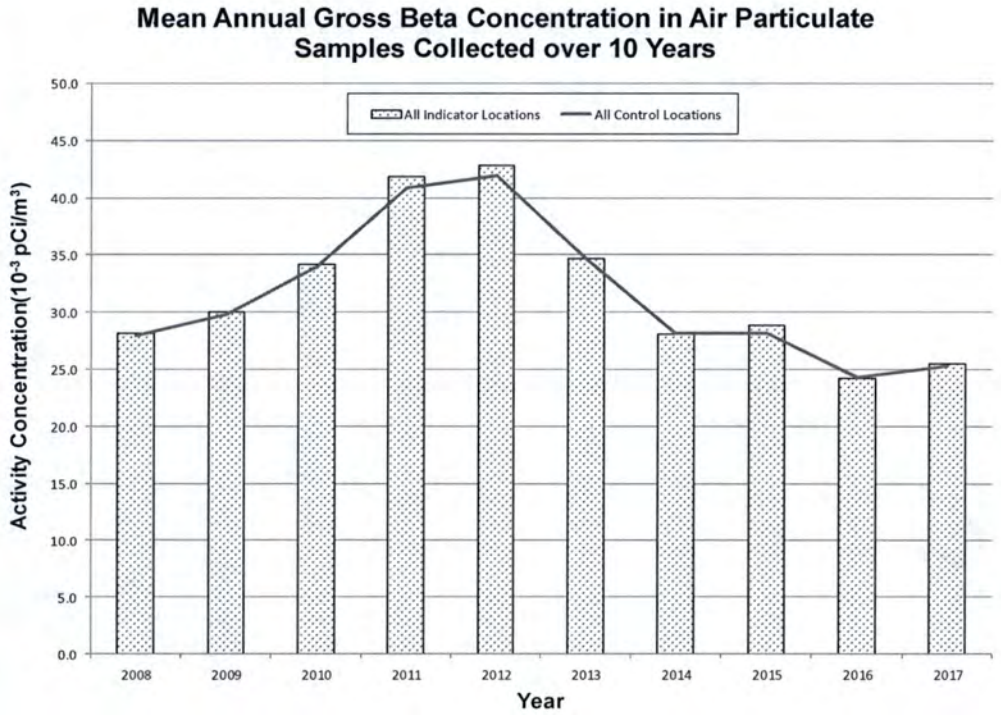
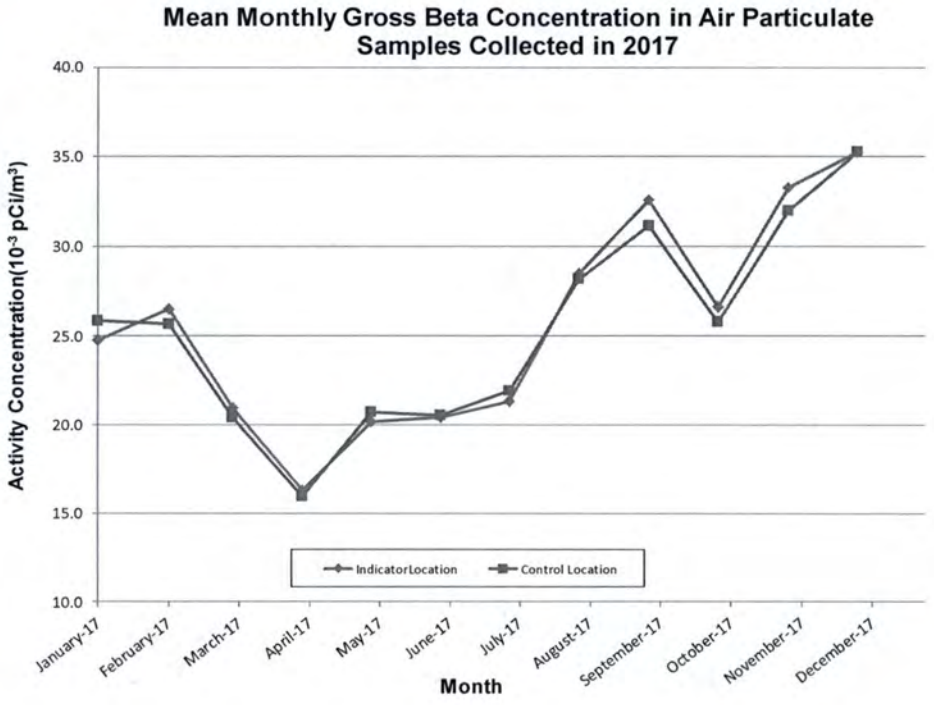


Figure 4.2



4.4.2 Airborne Iodine

Airborne iodine sample media were collected weekly in conjunction with the air particulate sample media replacement. These media were analyzed for Iodine-131.

No Iodine was detected above the MDC in 2017. 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 out of sixty-nine samples. The presence of K-40 in groundwater samples is attributed to natural occurrences since it is not a fission or activation product related to plant operations.

Tritium was not detected above the associated MDC in any 2017 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)

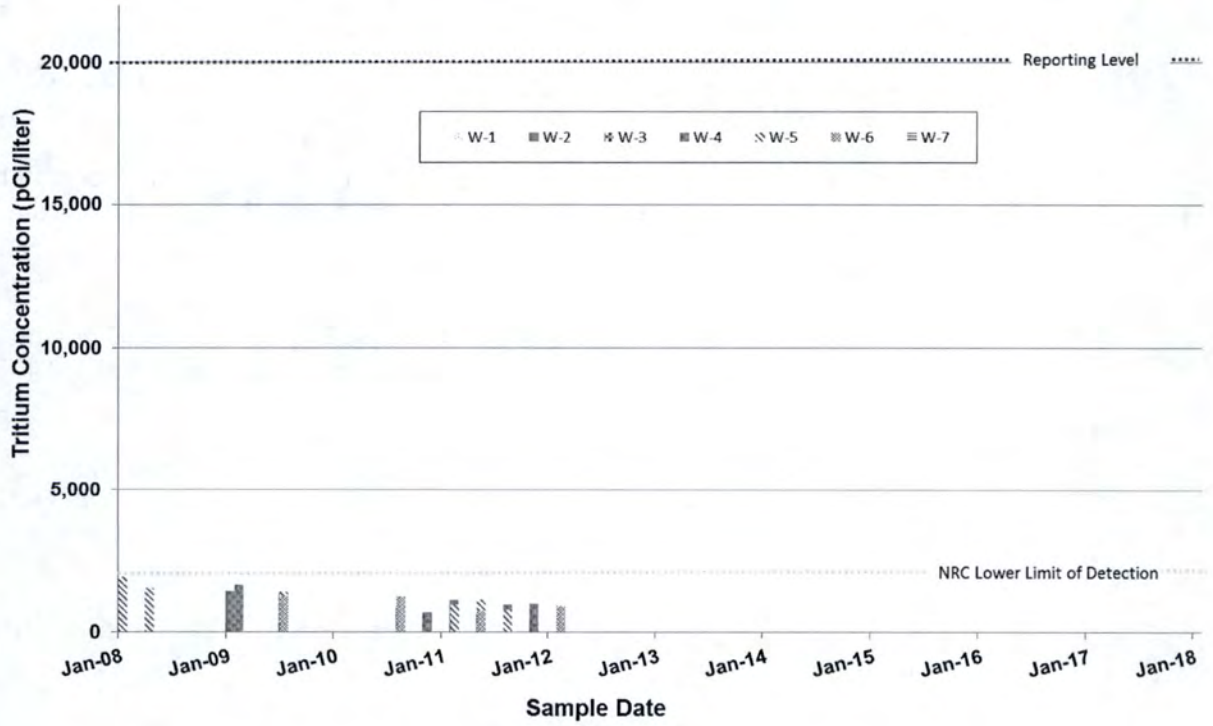
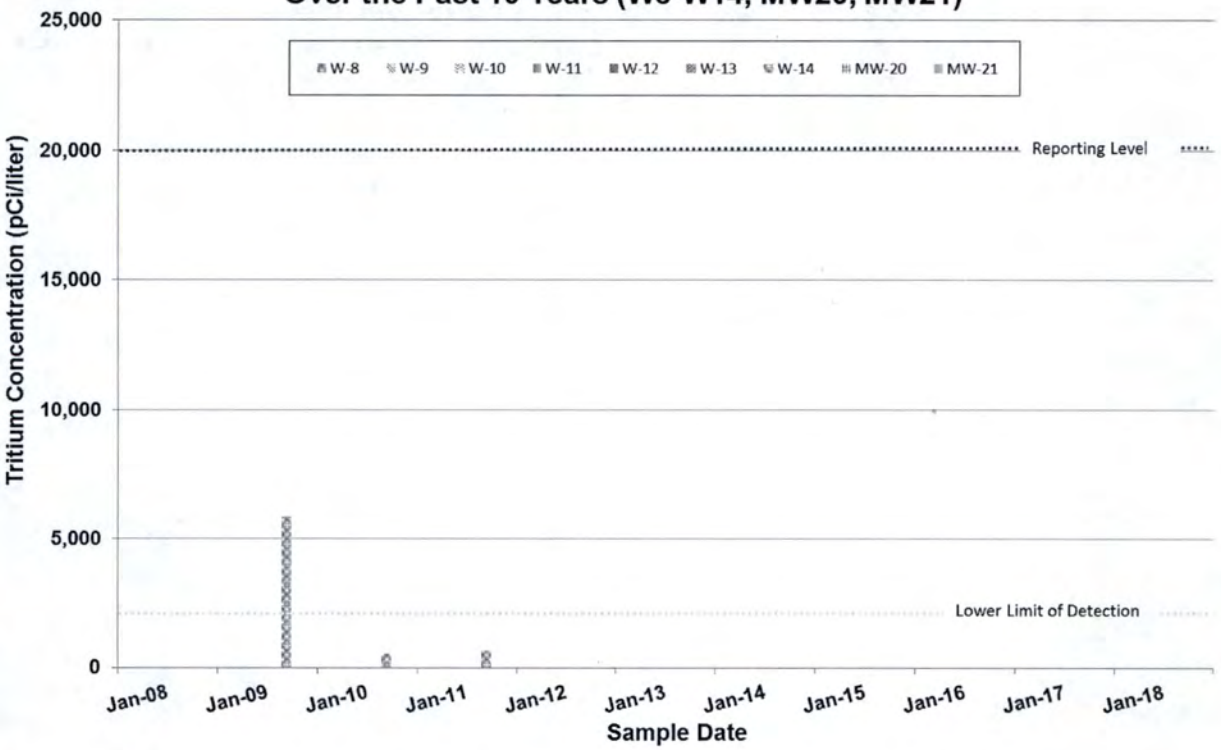


Figure 4.4

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 2017.

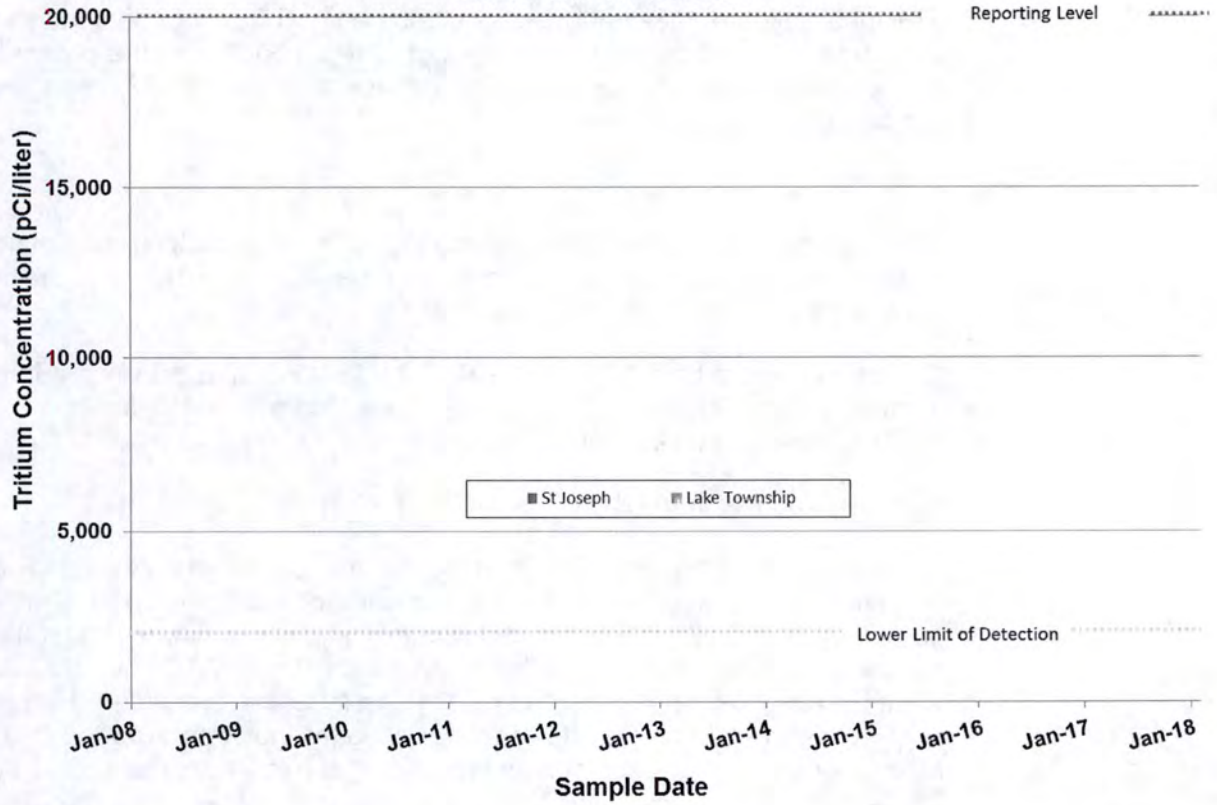
During 2017, the presence of gross beta radioactivity was not identified in any indicator or control samples.

One gamma emitting radionuclide was detected above the MDC, naturally-occurring Th-228, in one control sample in 2017. 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

Tritium Detected in Drinking Water Over the Past 10 Years



4.4.5 Surface Water

Surface water samples were collected daily from two indicator locations, when available (See section 4.1 for sampling deviations). Monthly composites were analyzed for gamma-emitting radionuclides and quarterly composites were analyzed for tritium. One gamma-emitting radionuclide was detected above the MDC, naturally-occurring Th-228. Tritium was not detected above the MDC in any of the samples collected in 2017.

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 2017.

4.4.6 Sediment

Semiannual samples of lake sediments were collected from two indicator stations and analyzed for gamma-emitting nuclides. During 2017, K-40 was detected in all four samples, and Th-228 was detected in three samples. Additionally, one sample contained Ac-228. These radionuclides are expected as part of the naturally-occurring thorium decay series. No other gamma-emitting nuclides were detected in any of the samples collected in 2017. Unlike many past operational and pre-operational periods where traces of Cs-137 were found, no detectable Cs-137 was identified in 2017 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 2017, as milking operations ceased at the indicator farm (Shafer) in September 2014, and at the control farm (Livinghouse) in October 2014.

Condition Report 04351048 and AR 2011-13312-1 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. Three vegetation indicator samples contained trace levels of Cs-137. The indicator samples ranged from 48.2 to 103 pCi/kg; the latter was considered a false positive by the laboratory due to low abundance but was included in the off-site dose analysis for conservatism. This was documented in AR 2017-10991 for tracking purposes. Although the presence of Cs-137 is

consistent with historical data, pre-operational samplings of broadleaf media were not collected before CNP construction. The historical results for this media indicate that the presence of Cs-137 could be the result of atmospheric weapons testing. The presence of Cs-137 was noted in 2011 after the Fukushima disaster. AR 2011-4952 was written in response to the 2011 samples. The Cs-137 detected is not considered to be a result of CNP gaseous effluents, as this result is consistent with historical data, and there were no Cs-137 releases from 2010 through 2014 or in 2016-2017, with only one ten (10) minute release containing Cs-137 in 2015.

One annual sample of food products (blackberries and grapes) each from two indicators and a control location was analyzed for gamma-emitting nuclides. Analysis identified the presence of naturally-occurring K-40 in both indicator and control samples, and Be-7 in the control sample. 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 radionuclides was not attributed to plant operations.

4.4.9 Fish

REMP fish samples were collected on two occasions at two indicator and two control locations. K-40 was detected in all the samples. Trace levels of Cesium-137 were observed in four indicator and two control samples, ranging from 16.1 to 33.3 pCi/kg. Additionally, non-REMP perch, salmon, and trout sampling was initiated in the third quarter of 2011. One of the two non-REMP indicator samples (perch and salmon) had a trace level of Cs-137 (15.2 pCi/kg). Both samples had K-40. AR 2017-13142 was written to document the occurrence 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 2017. 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

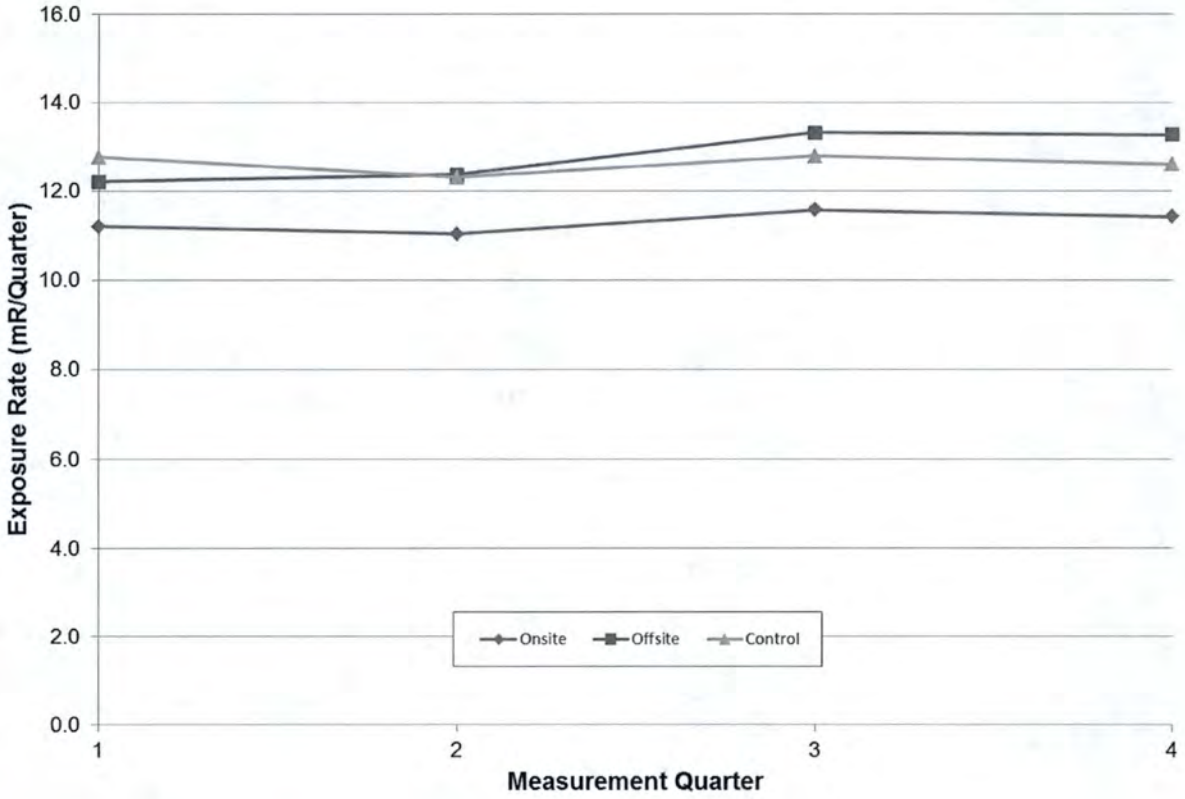
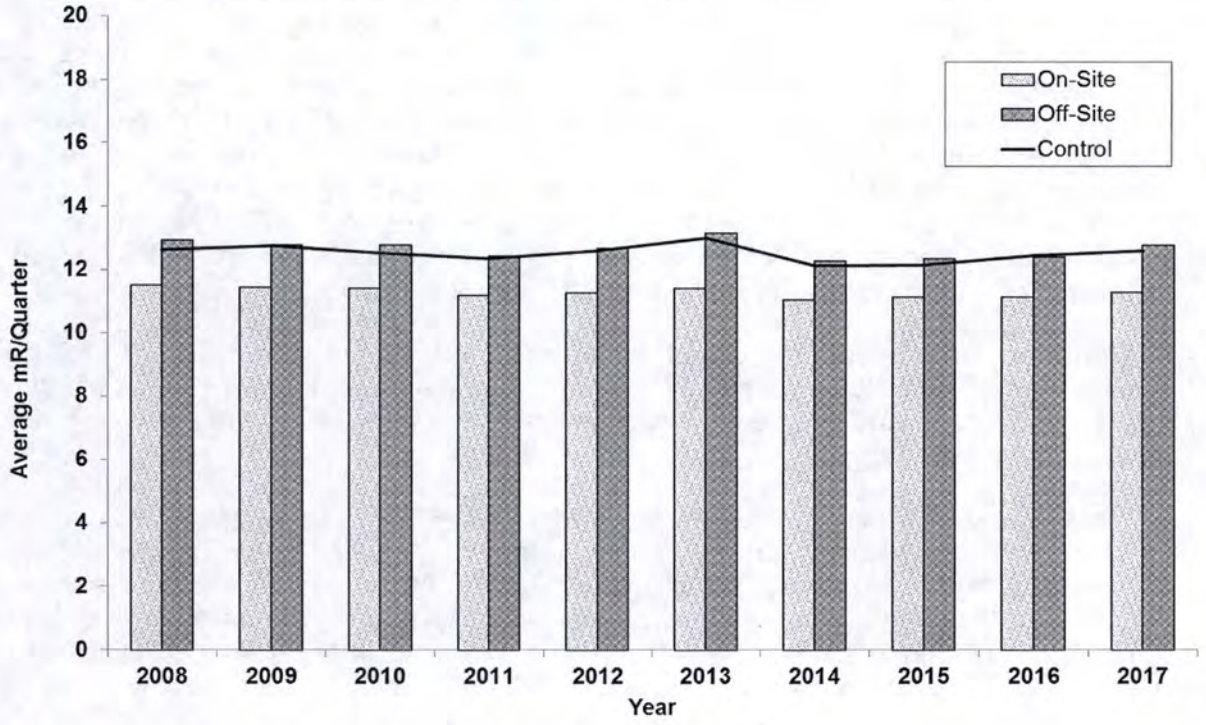


Figure 4.7

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 4 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 levels identified are consistent with historical values. There was no gross alpha detected in 2017. 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 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 or broadleaf vegetation year round at the respective average Cs-137 concentrations determined during 2017. 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 broadleaf 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 six REMP fish samples and one non-REMP sample and are detailed in Table 5.1 and dose summarized in Table 5.3. The concentrations ranged from 15.2 to 33.3 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 3.16E-02 mrem/year total body (for the adult age group) and 5.03E-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	Perch	419356001	15.2	3-17-17
Fish	OFS-N	428363001	33.3	7-18-17
Fish	ONS-N	428363002	22.9	7-18-17
Fish	ONS-S	428363003	21.5	7-18-17
Fish	ONS-N	432037002	19.8	8-30-17
Fish	ONS-S	432037003	18.8	8-30-17
Fish	OFS-S	432037004	16.1	8-30-17
		Average	21.1	

Trace levels of Cesium-137 were detected in three broadleaf vegetation samples and are detailed in Table 5.2 with doses summarized below in Table 5.3. The concentrations ranged from 48.2 to 103 pCi/kg; the latter was considered a false positive by the laboratory due to low abundance but was included in the off-site dose analysis for conservatism. One concentration was above the required LLD of 60 pCi/kg. The presence of this radionuclide was determined to not be the result of operations at the CNP and none of the samples were from plants that are commonly eaten. Given that, the dose impacts from ingestion of the radionuclide yielded a total body dose of 7.87E-02 mrem/year (for the adult age group) and total critical organ dose of 1.47E-01

mrem/year to the bone (for the child age group). This represents 1.6% and 1.0% of the total body and organ dose objectives of 10CFR50 Appendix I (5 mrem/yr. and 15 mrem/yr. respectively).

Table 5.2: Cs-137 Concentrations in Broadleaf Samples

Media	Station	Sample	Concentration (pCi/kg)	Date
Broadleaf	ONS3-V	424682003	48.2	6-2-2017
Broadleaf	ONS2-V	427451004	55.6	7-7-17
Broadleaf	ONS3-V	434226003	103	10-3-2017
Average			68.9	

Table 5.3, 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 5.3: 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]	5.03E-02	3.16E-02
Broadleaf	Cs-137	Bone [Child]	1.47E-01	7.87E-02

6.0 SUMMARY OF REMP, ODCM, AND VENDOR PROCEDURE CHANGES

The ODCM was not revised in 2017.

The following changes were made to CNP REMP procedures in 2017:

Procedure No.: 12-THP-6010-RPP-634 Rev. No.: 14
Title: Collection of REMP Groundwater Samples

Alteration	Justification
Revised and updated procedure to provide further directions and improve ease of understanding as well as editorial corrections.	Provide further directions. Improved ease of understanding. Made editorial corrections.

Procedure No.: 12-THP-6010-RPP-635 Rev. No.: 8
Title: Collection of Milk Samples

Alteration	Justification
Step 5.1 – Changed the procedure name referenced from "Grape" to "Food Products."	Removing the word Grape eases the specificity of sampling. Aligns procedure with wording in NUREG 1301 and Branch Technical Position which say "Food Products". AR 2016-8561
Step 7.1.2 – Changed the procedure name referenced from "Grape" to "Food Products."	Removing the words Grape eases the specificity of sampling. Aligns procedure with wording in NUREG 1301 and Branch Technical Position which say "Food Products". AR 2016-8561

Procedure No.: 12-THP-6010-RPP-638 Rev. No.: 11
Title: Collection of Food Products and Broadleaf Samples

Alteration	Justification
Header: Title changes from "Grape" samples to "Food Products." Step 1.1 – Changed "grape" samples to "food products" samples. Step 4.1.2 – First bullet, changed "grape" samples to "food products" samples.	Removing the words Grape eases the specificity of sampling. Aligns procedure with wording in NUREG 1301 and Branch Technical Position which say "Food Products". AR 2016-8561

Procedure No.: 12-THP-6010-RPP-643 Rev. No.: 12
Title: Quarterly Review of Radiological Environmental Monitoring Program (REMP) Data

Alteration	Justification
Provided more clarification to the procedure to improve ease of use, and matched wording with the ODCM and industry standards.	Improved ease of use. Matched wording with the ODCM and industry standards.

There were no revisions to procedures for the Environmental Dosimetry Company in 2017.

Table 6.1 below summarizes the changes made by GEL Laboratories during 2017 to the procedures that are used for the Donald C. Cook Nuclear Plant REMP.

Table 6.1

GEL 2017 Procedure Changes

SOP #	Rev	SOP Title	Issue Date	DIRR Type
GL-ADM-E-001	18	Preparation, Authorization, Revision, Release, and Retirement of Standard Operating Procedures	8-Mar-17	Revision
GL-CO-E-002	8	Delegated Authority to Commit the Company	10-Mar-17	Revision
GL-CS-E-008	3	Prelogin, Login, and Login Review	29-Mar-17	Revision
GL-CS-M-001	8	Project Management AlphaLIMS Manual	7-Dec-17	Change
GL-DC-E-001	18	Document Control	8-Mar-17	Revision
GL-GC-E-008	22	pH	20-Dec-17	Revision
GL-GC-E-009	13	Conductivity and Salinity	29-Mar-17	Revision
GL-GC-E-009	14	Conductivity and Salinity	10-Oct-17	Revision
GL-GC-E-011	14	Total Solids	9-Oct-17	Revision
GL-OTH-S-006	7	Annual Quality Systems Training	13-Mar-17	Change
GL-QS-B-001	30	Quality Assurance Plan	10-Mar-17	Revision
GL-QS-B-002	9	DoD ELAP Quality Assurance Plan	6-Jun-17	Change
GL-QS-E-001	23	Conduct of Quality Audits	6-Feb-17	Revision
GL-QS-E-001	24	Conduct of Quality Audits	2-Jun-17	Revision
GL-RAD-A-001	18	The Determination of Gross Alpha And Gross Non-Volatile Beta in Water	13-Feb-17	Revision
GL-RAD-A-001B	17	The Determination of Gross Alpha And Gross Non-Volatile Beta in Soil, Filters, Solid Matrices And Direct Count Air Filters	21-Mar-17	Revision
GL-RAD-A-001C	10	The Determination of Gross Alpha in Water by Co-Precipitation	21-Jul-17	Revision
GL-RAD-A-001D	3	The Determination of Gross Alpha and Gross Non-Volatile Beta in Drinking Water	3-Mar-17	Revision
GL-RAD-A-002	21	The Determination of Tritium	19-May-17	Revision
GL-RAD-A-004	17	The Determination of Strontium 89/90 in Water, Soil, Milk, Filters, Vegetation and Tissues	15-Feb-17	Revision
GL-RAD-A-004	18	The Determination of Strontium 89/90 in Water, Soil, Milk, Filters, Vegetation and Tissues	17-Jul-17	Revision
GL-RAD-A-005	25	The Determination of Technetium-99 Using TEVA Resin	29-Mar-17	Revision
GL-RAD-A-010	15	Total Alpha Radium Isotopes in Soil and Water	21-Mar-17	Revision
GL-RAD-A-013	25	The Determination of Gamma Isotopes	24-Feb-17	Revision
GL-RAD-A-013	26	The Determination of Gamma Isotopes	18-Apr-17	Revision
GL-RAD-A-015	16	Digestion for Soil	27-Oct-17	Change

SOP #	Rev	SOP Title	Issue Date	DIRR Type
GL-RAD-A-017	14	The Determination of Iodine-131 in Drinking Water	3-Mar-17	Revision
GL-RAD-A-018	13	The Determination of Lead-210 in Liquid and Solid Matrices	13-Mar-17	Revision
GL-RAD-A-020	15	The Determination of Promethium-147 in Soil and Water	15-Jun-17	Revision
GL-RAD-A-021	20	Soil Sample Preparation for the Determination of Radionuclides	24-May-17	Change
GL-RAD-A-026	15	The Preparation of Special Matrices for the Determination of Radionuclides	30-Mar-17	Change
GL-RAD-A-026	16	The Preparation of Special Matrices for the Determination of Radionuclides	21-Jun-17	Change
GL-RAD-A-026	16	The Preparation of Special Matrices for the Determination of Radionuclides	21-Jun-17	Revision
GL-RAD-A-028	18	Radium-226 in Drinking Water by EPA Method 903.1	3-Mar-17	Revision
GL-RAD-A-029	13	The Determination of Strontium-89/90 in Drinking Water by EPA Method 905.0	3-Mar-17	Revision
GL-RAD-A-029	14	The Determination of Strontium-89/90 in Drinking Water by EPA Method 905.0	27-Apr-17	Revision
GL-RAD-A-030	19	Determination of Radium-228 in Drinking Water	3-Mar-17	Revision
GL-RAD-A-031	12	The Determination of Selenium	18-May-17	Revision
GL-RAD-A-033	12	Determination of Chlorine-36 in Solid and Liquid Samples	13-Feb-17	Revision
GL-RAD-A-033	13	Determination of Chlorine-36 in Solid and Liquid Samples	22-Nov-17	Revision
GL-RAD-A-035	17	The Isotopic Determination of Plutonium-241	22-May-17	Revision
GL-RAD-A-035	18	The Isotopic Determination of Plutonium-241	12-Jul-17	Revision
GL-RAD-A-040	12	The Determination of Fe-55 in Liquid and Solid Matrices by Liquid Scintillation Counter	20-Apr-17	Change
GL-RAD-A-041	11	The Determination of Total Activity in Solids and Liquids	20-Apr-17	Change
GL-RAD-A-044	7	Total Alpha Radium Isotopes in Drinking Water	21-Mar-17	Revision
GL-RAD-A-047	6	48 Hour Rapid Gross Alpha Test	21-Mar-17	Revision
GL-RAD-A-049	7	Determination of Sulfur-35	21-Apr-17	Change
GL-RAD-A-050	10	The Determination of Tritium in Drinking Water Samples	3-Mar-17	Revision
GL-RAD-A-054	2	The Determination of Strontium-90 in Brine	21-Mar-17	Revision
GL-RAD-A-056	3	The Determination of Gross Alpha and Beta by Liquid Scintillation Counter	20-Apr-17	Change
GL-RAD-A-057	3	Rapid Determination of Radium-226 by Alpha Spec	21-Sep-17	Deletion
GL-RAD-A-058	1	The Rapid Determination of Strontium 89/90 by Gas Flow Proportional Counting	13-Mar-17	Revision
GL-RAD-A-059	5	The Determination of Technetium-99 Using Analytical Grade 1X8 Resin	16-Mar-17	Revision

SOP #	Rev	SOP Title	Issue Date	DIRR Type
GL-RAD-A-062	0	The Determination of Tritium by Combustion	20-Apr-17	Change
GL-RAD-A-062	1	The Determination of Tritium by Combustion	23-Jun-17	Deletion
GL-RAD-A-063	0	The Determination of Radium-228 in Difficult Matrices	16-Feb-17	Revision
GL-RAD-A-065	1	The Determination of Carbon-14 in Atmospheric Screening Cartridges	27-Oct-17	Revision
GL-RAD-A-067	0	The Determination of Tritium and Carbon-14 in Combustible Materials using Pyrolysis	20-Apr-17	Change
GL-RAD-A-067	1	The Determination of Tritium and Carbon-14 in Combustible Materials using Pyrolysis	12-Oct-17	Revision
GL-RAD-A-068	0	The Determination of Americium, Curium, Plutonium, Uranium, and Thorium in Liquid and Solid Matrices Using Eichrom Resin	25-Jul-17	New Document
GL-RAD-B-001	49	The Sequential Determination of Isotopic Americium, Curium, Californium, Plutonium, Strontium, and Uranium in Urine	22-Sep-17	Revision
GL-RAD-B-009	19	Bioassay Count Room Alpha Spectrometry Instrument Standardization and Performance	20-Apr-17	Revision
GL-RAD-B-017	14	The Determination of Neptunium in Urine	31-May-17	Deletion
GL-RAD-B-026	14	Bioassay Data Review, Validation, and Data Package Assembly	31-Jul-17	Revision
GL-RAD-B-027	2	Specific Gravity in Urine	14-Nov-17	Deletion
GL-RAD-B-032	0	Concentration of Tritium by Electrolysis	21-Sep-17	Deletion
GL-RAD-B-041	1	The Sequential Determination of Isotopic Thorium and Neptunium in Urine	28-Feb-17	Revision
GL-RAD-D-003	40	Data Review, Validation and Data Package Assembly	14-Mar-17	Revision
GL-RAD-D-003	41	Data Review, Validation and Data Package Assembly	4-May-17	Revision
GL-RAD-D-003	42	Data Review, Validation and Data Package Assembly	4-May-17	Change
GL-RAD-D-005	2	REMP Quality Control Package Assembly	20-Jun-17	Revision
GL-RAD-D-006	7	Equations Used in Data Reduction for Environmental Radiochemistry	3-May-17	Revision
GL-RAD-D-006	8	Equations Used in Data Reduction for Environmental Radiochemistry	31-Jul-17	Revision
GL-RAD-E-001	0	The Assembly and Packing of Molecular Sieve Cassettes	22-May-17	New Document
GL-RAD-I-001	20	Gamma Spectroscopy System Operation	15-Feb-17	Revision
GL-RAD-I-006	17	LB4100 Gross Alpha/Beta Counter Operating Instructions	14-May-17	Revision
GL-RAD-I-007	11	Ludlum Lucas Cell Counter	3-Mar-17	Revision
GL-RAD-I-009	15	Alpha Spectroscopy System	30-May-17	Revision
GL-RAD-I-013	4	Column Preparation	15-Jun-17	Revision
GL-RAD-I-015	6	WPC 9550 Gross Alpha/Beta Counter: Operating Instructions	10-May-17	Revision
GL-RAD-I-016	10	Multi-Detector Counter: Operating Instructions	4-May-17	Revision
GL-RAD-I-019	5	Management of Blank Populations	28-Apr-17	Revision

SOP #	Rev	SOP Title	Issue Date	DIRR Type
GL-RAD-I-021	0	G5400W Series Alpha/Beta Counting System Operating Instructions	19-Apr-17	New Document
GL-RAD-S-000	5	Radiation Safety Plan for GEL Laboratories, LLC	16-Mar-17	Revision
GL-RAD-S-003	9	Administration of the Radioactive Material License Inventory	9-May-17	Revision
GL-RAD-S-015	4	The Acceptance and Classification of Radioactive Material	9-May-17	Change
GL-RAD-S-016	2	Radiological Work Permits	10-May-17	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.

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 Sodium Sulphate (Na_2SO_4) to iodide, the I-131 is precipitated with Silver Nitrate (AgNO3). The precipitate is dissolved and purified with Zinc powder and Sulfuric Acid (H2SO4) and the solution is re-precipitated as Palladium Iodide (PdI_2), 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 basically 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 Sodium Hydroxide (NaOH) and Potassium Permanganate ($KMnO_4$) allowing for sufficient equilibration time so that a complete transposition of tritium with stable hydrogen has occurred.

APPENDIX B

2017 LAND USE CENSUS

2017 Radiological Environmental Monitoring Program

Land Use Census Summary

Date: September 30, 2017

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 2017 LUC is detailed below.

Dairy Farm Survey

A dairy farm survey was conducted from September 14 through September 30, 2017, 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, one new dairy farm was identified within Berrien County

Michael & Heather Carpenter
Sector/Distance from CNP: G / 12.9 miles (68,218 feet)
14714 Main Street , Buchanan, MI 49107

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 8 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.

The location which was determined to be the closest having milk-producing animals (cows) whose milk is used for human consumption did not change from the 2016 report:

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

Livestock for Consumption Survey

During the time period September 14 through September 30, 2017, 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, no new farms which support livestock (beef and/or goats) operations were identified within five miles of CNP.

The location which was determined to be the "Closest Livestock for Consumption (meat)" did not change from the 2016 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, 2016 to June 1, 2017, per Lake Township Building Inspector, Jim Gast, 0 (zero) 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). Additionally, there were 0 (zero) Demolition Permits issued during that time. As a consequence, 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

During the time period September 14 through September 30, 2017, a survey of nearby properties 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, 2017 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 2017 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 (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 2017. 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 "2017 Annual Quality Assurance Report for the Radiological Environmental Monitoring Program (REMP)", dated March 9, 2018, and includes:

- Intra-laboratory QC results analyzed during 2017.
- Inter-laboratory QC results analyzed during 2017 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 (16-RAD-001) was conducted in May, 2017. One (1) finding, six (6) observations, and five (5) recommendations resulted from this assessment. By July, 2017, the finding was closed and appropriate laboratory staff addressed each observation and recommendation.

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 Cross-check 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 - 125%. 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 2017, 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 2017. Of the four hundred sixty-two (462) total results reported, 99.4% (459 of 462) 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 Cross-Check 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 lists the results specific to the Eckert & Ziegler Analytics sample provided in 2017. No corrective action reports were noted for these results.

Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 36 and 37 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-26 and MRAD-27) for one hundred ninety-seven (197) individual environmental analyses. Of the one hundred ninety-seven (197) analyses, 100% (197 out of 197) fell within the PT provider's acceptance criteria.

Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-108, RAD-109, and RAD-110) for forty-nine (49) individual environmental analyses. Of the 49 analyses, 93.9% (46 out of 49) of all results fell within the PT provider's acceptance criteria. Failures included: Gross Alpha in water and Iodine-131 in water.

For the corrective actions associated with these failures refer to corrective actions CARR 170227-1085, and CARR 170828-1125 (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 2017. GEL has determined that causes of the failures did not impact any data reported to its clients.

Table C-1

2017 Inter-Laboratory 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/2017	2/27/17	RAD-108	Water	pCi/L	Barium-133	86.7	85.6	72.0 - 94.2	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Cesium-134	51.2	52.6	42.4 - 57.9	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Cesium-137	118	112	101 - 126	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Cobalt-60	118	113	102 - 126	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Zinc-65	202	189	170 - 222	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Gross Alpha	71.6	52.3	27.3 - 65.5	Not Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Gross Alpha	69.6	52.3	27.3 - 65.5	Not Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Gross Beta	37.6	41.6	27.7 - 49.0	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-226	12.3	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-226	13.1	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-226	14.2	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-228	6.31	6.2	3.83 - 8.08	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-228	6.36	6.2	3.83 - 8.08	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Uranium (Nat)	12.2	12.6	9.91 - 14.4	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	µg/L	Uranium (Nat) mass	19.7	18.4	14.5 - 21.1	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	µg/L	Uranium (Nat) mass	18.9	18.4	14.5 - 21.1	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Tritium	11300	12500	10900 - 13800	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Tritium	11600	12500	10900 - 13800	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-89	60.2	55.5	44.3 - 63.2	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-89	54.5	55.5	44.3 - 63.2	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-90	35.9	43.1	31.8 - 49.5	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-90	37.7	43.1	31.8 - 49.5	Acceptable
EZA	1st/2017	07/07/17	E11818	Cartridge	pCi	Iodine-131	9.93E+01	9.46E+01	1.05	Acceptable
EZA	1st/2017	07/07/17	E11819	Milk	pCi/L	Strontium-89	8.86E+01	9.96E+01	0.89	Acceptable
EZA	1st/2017	07/07/17	E11819	Milk	pCi/L	Strontium-90	1.97E+01	2.55E+01	0.77	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Iodine-131	9.57E+01	9.68E+01	0.99	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cerium-141	1.21E+02	1.19E+02	1.02	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Chromium-51	1.76E+02	2.12E+02	0.83	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cesium-134	1.71E+02	1.89E+02	0.9	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cesium-137	2.31E+02	2.27E+02	1.02	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/2017	07/07/17	E11820	Milk	pCi/L	Cobalt-58	1.89E+02	1.78E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Manganese-54	2.74E+02	2.49E+02	1.1	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Iron-59	1.35E+02	1.27E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Zinc-65	3.22E+02	2.96E+02	1.09	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cobalt-60	2.85E+02	2.93E+02	0.97	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Iodine-131	9.68E+01	8.79E+01	1.1	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cerium-141	1.24E+02	1.19E+02	1.05	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Chromium-51	2.43E+02	2.11E+02	1.15	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cesium-134	1.84E+02	1.88E+02	0.98	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cesium-137	2.49E+02	2.26E+02	1.1	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cobalt-58	1.88E+02	1.77E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Manganese-54	2.79E+02	2.48E+02	1.13	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Iron-59	1.46E+02	1.27E+02	1.15	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Zinc-65	3.36E+02	2.95E+02	1.14	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cobalt-60	3.07E+02	2.92E+02	1.05	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Americium-241	65.7	67.0	46.9-87.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cesium-134	1470	1550	1085-2015	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cesium-137	679	611	428-794	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cobalt-57	0.812		False Pos Test*	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cobalt-60	958	891	624-1158	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Iron-55	804	812	568-1056	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Manganese-54	1080	967	677-1257	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Nickel-63	-46		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Plutonium-238	0.574	0.41	Sens. Eval.**	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Plutonium-239/240	51.2	59.8	41.9-77.7	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Potassium-40	624	607	425-789	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Strontium-90	548	624	437-811	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Technetium-99	641	656	459-853	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	U-234/233	56.9	48.1	33.7-62.5	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Uranium-238	53.9	48.8	34.2-63.7	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Zinc-65	-4.0		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Americium-241	0.8070	0.846	0.592-1.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cesium-134	0.037		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cesium-137	12.2	11.1	7.8-14.4	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cobalt-57	29.0	28.5	20.0-37.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cobalt-60	12.8	12.3	8.6-16.0	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Hydrogen-3	245	249	174-324	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Iron-55	2.01	1.7	Sens. Eval.	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Manganese-54	15.7	14.9	10.4-19.4	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Nickel-63	13.6	12.2	8.5-15.9	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Plutonium-238	0.635	0.703	0.492-0.914	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Plutonium-239/240	0.841	0.934	0.654-1.214	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Potassium-40	276	254	178-330	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Radium-226	0.443	0.504	0.353-0.655	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Strontium-90	9.27	10.1	7.1-13.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Technetium-99	5.81	6.25	4.38-8.13	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Uranium-234/233	1.11	1.16	0.81-1.51	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Uranium-238	1.16	1.20	0.84-1.56	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Zinc-65	-0.0504		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-XaW36	Water	Bq/L	Iodine-129	0.01		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-235	0.058	0.0623	0.0436-0.0810	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-238	8.49	8.6	6.0-11.2	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-Total	8.55	8.7	6.1-11.3	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Americium-241	0.0386	0.0376	0.0263-0.0489	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cesium-134	1.38	1.42	0.99-1.85	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cesium-137	0.781	0.685	0.480-0.891	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cobalt-57	1.77	1.70	1.19-2.21	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cobalt-60	0.863	0.78	0.55-1.01	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Manganese-54	-0.0344		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Plutonium-238	0.0539	0.0598	0.0419-0.0777	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Plutonium-239/240	0.0419	0.046	0.0322-0.0598	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Strontium-90	0.543	0.651	0.456-0.846	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Uranium-234/233	0.105	0.104	0.073-0.135	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Uranium-238	0.106	0.107	0.075-0.139	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Zinc-65	1.34	1.29	0.9-1.68	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Americium-241	0.000411		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cesium-134	6.56	6.95	4.87-9.04	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cesium-137	4.84	4.60	3.22-5.98	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cobalt-57	0.0141		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cobalt-60	9.35	8.75	6.13-11.38	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Manganese-54	3.39	3.28	2.3-4.26	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Plutonium-238	0.0506	0.0598	0.0419-0.0777	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Plutonium-239/240	0.0754	0.089	0.062-0.166	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Strontium-90	1.50	1.75	1.23-2.28	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Uranium-234/233	0.19	0.179	0.125-0.233	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Uranium-238	1.930	0.186	0.130-0.242	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Zinc-65	6.26	5.39	3.77-7.01	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Actinium-228	1240	1240	795 - 1720	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Americium-241	480	448	262 - 582	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Bismuth-212	929	1240	330 - 1820	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Bismuth-214	2790	2750	1660 - 3960	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cesium-134	8660	8860	5790 - 10600	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cesium-137	8300	7500	5750 - 9650	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cobalt-60	4620	4430	3000 - 6100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Lead-212	1300	1240	812 - 1730	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Lead-214	3170	2890	1690 - 4310	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Manganese-54	<38.6	<1000	0.00 - 1000	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Plutonium-238	494	648	390 - 894	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Plutonium-239	442	484	316 - 669	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Potassium-40	11000	10600	7740 - 14200	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Strontium-90	6150	9150	3490 - 14500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Thorium-234	3360	1940	614 - 3650	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	1820	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	2030	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	2410	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1800	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1970	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1450	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	3540	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	3750	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	4090	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total	3860	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5280	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5420	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5900	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	4440	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Zinc-65	7020	6090	4850 - 8090	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Americium-241	1700	1860	1140 - 2470	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cesium-134	1660	1830	1180 - 2380	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cesium-137	2470	2500	1810 - 3480	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cobalt-60	1350	1390	959 - 1940	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/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Curium-244	629	734	360 - 1140	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Manganese-54	<32.2	<300	0.00 - 300	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Plutonium-238	2880	3250	1940 - 4450	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Plutonium-239	1990	2150	1320 - 2960	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Potassium-40	30900	30900	22300 - 43400	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Strontium-90	701	726	414 - 963	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-234	2720	3090	2030 - 3970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-234	3080	3090	2030 - 3970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-238	2820	3060	2040 - 3890	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-238	3020	3060	2040 - 3890	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	5970	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	5690	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	6238	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	8910	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	8440	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	9030	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Zinc-65	907	853	615 - 1200	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Americium-241	80.6	76.4	47.1 - 103	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cesium-134	1140	1100	700 - 1360	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cesium-137	1490	1390	1040 - 1830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cobalt-60	1120	1030	797 - 1290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Iron-55	242	256	79.4 - 500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Manganese-54	<7.53	<50.0	0.00 - 50.0	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Plutonium-238	54.1	54.3	37.2 - 71.4	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Plutonium-239	58.2	62	44.9 - 81.0	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Strontium-90	52.2	52.4	25.6 - 78.5	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-234	71.1	73.1	45.3 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-234	79	73.1	45.3 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-238	70.7	72.4	46.8 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-238	77.1	72.4	46.8 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	154	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	145	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	159.5	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	230	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	212	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	231	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Zinc-65	1160	984	705 - 1360	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Gross Alpha	112	85.5	28.6 - 133	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Gross Beta	54.9	45.2	28.6 - 65.9	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Americium-241	150	140	94.3 - 188	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/2017	05/23/17	MRAD-26	Water	pCi/L	Cesium-134	2380	2510	1840 - 2880	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cesium-137	1480	1400	1190 - 1680	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cobalt-60	2570	2540	2210 - 2970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Iron-55	923	984	587 - 1340	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Manganese-54	<6.36	<100	0.00 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Plutonium-238	108	128	94.7 - 159	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Plutonium-239	73.3	85.8	66.6 - 108	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Strontium-90	685	714	465 - 944	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	82.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	92	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	87.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	86.7	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	84.1	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	98	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	181	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	173	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	180	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	185	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	270	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	260	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	252	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	276	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Zinc-65	2160	1960	1630 - 2470	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Gross Alpha	125	89.5	31.8 - 139	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Gross Beta	59.6	61	34.9 - 90.4	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Tritium	18900	19400	13000 - 27700	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	79.7	75	39.5 - 92.3	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	72.9	75	39.5 - 92.3	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	72.9	75	39.5 - 92.3	Acceptable
EZA	2nd/2017	08/02/17	E11873	Cartridge	pCi	Iodine-131	8.65E+01	8.46E+01	1.02	Acceptable
EZA	2nd/2017	08/02/17	E11874	Milk	pCi/L	Strontium-89	8.88E+01	9.26E+01	0.96	Acceptable
EZA	2nd/2017	08/02/17	E11874	Milk	pCi/L	Strontium-90	9.50E+00	1.35E+01	0.71	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cerium-141	1.62E+02	1.51E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cobalt-58	1.53E+02	1.55E+02	0.98	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cobalt-60	2.07E+02	1.91E+02	1.08	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Chromium-51	3.65E+02	3.15E+02	1.16	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cesium-134	1.74E+02	1.88E+02	0.92	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cesium-137	1.57E+02	1.50E+02	1.05	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Iron-59	1.28E+02	1.15E+02	1.11	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Iodine-131	9.93E+01	9.36E+01	1.06	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Manganese-54	1.95E+02	1.72E+02	1.14	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Zinc-65	2.18E+02	2.04E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cerium-141	2.09E+02	1.99E+02	1.05	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cobalt-58	2.11E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cobalt-60	2.57E+02	2.50E+02	1.03	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Chromium-51	4.41E+02	4.13E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cesium-134	2.38E+02	2.47E+02	0.96	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cesium-137	2.20E+02	1.97E+02	1.12	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Iron-59	1.64E+02	1.51E+02	1.09	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Iodine-131	8.69E+01	8.12E+01	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Manganese-54	2.43E+02	2.25E+02	1.08	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Zinc-65	2.95E+02	2.67E+02	1.10	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Barium-133	68.8	66.3	55.2 - 72.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Cesium-134	24.7	24.4	18.7 - 27.2	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Cesium-137	51.7	51.6	46.4 - 59.6	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Cobalt-60	97	88.6	79.7 - 99.8	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Zinc-65	39.7	32.7	27.3 - 41.6	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Gross Alpha	26.3	25.7	13.0 - 34.1	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Gross Alpha	31.9	25.7	13.0 - 34.1	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Gross Beta	54.4	63	43.5 - 69.6	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-226	1.6	1.29	1.07 - 1.95	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-226	1.21	1.29	1.07 - 1.95	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-228	6.49	5.66	3.45 - 7.47	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-228	5.59	5.66	3.45 - 7.47	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Uranium (Nat)	65	66.7	54.3 - 73.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Uranium (Nat)	66.2	66.7	54.3 - 73.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	µg/L	Uranium (Nat) mass	97	98.1	79.8 - 109	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	µg/L	Uranium (Nat) mass	104.7	98.1	79.8 - 109	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Tritium	5120	5060	4340 - 5570	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Tritium	4620	5060	4340 - 5570	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-89	29.9	26.4	18.4 - 32.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-89	28.2	26.4	18.4 - 32.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-90	37.8	36	26.4 - 41.5	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-90	34	36	26.4 - 41.5	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Iodine-131	28	25.5	21.2 - 30.1	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Iodine-131	33	25.5	21.2 - 30.1	Not Acceptable
EZA	3rd/2017	11/10/17	E11926	Cartridge	pCi	Iodine-131	6.30E+01	6.48E+01	0.97	Acceptable
EZA	3rd/2017	11/10/17	E11927	Milk	pCi/L	Strontium-89	7.50E+01	8.27E+01	0.91	Acceptable
EZA	3rd/2017	11/10/17	E11927	Milk	pCi/L	Strontium-90	1.01E+01	1.21E+01	0.84	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Iodine-131	7.35E+01	7.10E+01	1.04	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cerium-141	8.31E+01	8.70E+01	0.95	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Chromium-51	2.37E+02	2.17E+02	0.92	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cesium-134	1.85E+02	2.01E+02	0.92	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cesium-137	1.67E+02	1.72E+02	0.97	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cobalt-58	1.21E+02	1.17E+02	1.03	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Manganese-54	1.28E+02	1.23E+02	1.04	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Iron-59	1.56E+02	1.25E+02	1.24	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Zinc-65	1.97E+02	1.84E+02	1.07	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cobalt-60	2.59E+02	2.62E+02	0.99	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Iodine-131	8.08E+01	7.92E+01	1.02	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cerium-141	1.09E+02	9.95E+01	1.1	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Chromium-51	2.47E+02	2.48E+02	1	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cesium-134	2.06E+02	2.29E+02	0.9	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cesium-137	2.00E+02	1.96E+02	1.02	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cobalt-58	1.41E+02	1.34E+02	1.05	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Manganese-54	1.50E+02	1.40E+02	1.07	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Iron-59	1.58E+02	1.43E+02	1.10	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Zinc-65	2.37E+02	2.10E+02	1.13	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cobalt-60	3.18E+02	2.99E+02	1.06	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Americium-241	63.1	59	41.2-76.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cesium-134	414.00	448	314-582	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cesium-137	772	722	505-939	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cobalt-57	1500	1458	1021-1895	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cobalt-60	0.179	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Iron-55	933	1010	707-1313	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Manganese-54	894.00	825	578-1073	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Nickel-63	1240	1220	854-1586	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Plutonium-238	85.8	92.0	64-120	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Plutonium-239/240	64.9	68.8	48.2-89.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Potassium-40	631	592	414-770	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Strontium-90	240	289	202-376	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Technetium-99	1170	1195	837-1554	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	U-234/233	72	69	48-90	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Uranium-238	209	219	153-285	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Zinc-65	633.0	559	391-727	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Americium-241	0.874	0.892	0.624-1.160	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cesium-134	10.50	11.5	8.1-15.0	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cesium-137	16.800	16.3	11.2-21.2	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cobalt-57	12.1	12.1	8.5-15.7	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cobalt-60	10.800	10.7	7.5-13.9	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/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Hydrogen-3	250	258	181-335	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Iron-55	20.1	19.4	13.6-25.2	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Manganese-54	15.5	14.9	10.4-19.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Nickel-63	0.764	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Plutonium-238	0.528	0.60	0.422-0.784	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Plutonium-239/240	0.654	0.781	0.547-1.015	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Potassium-40	-1.2	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Radium-226	0.774	0.86	0.601-1.115	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Strontium-90	7.04	8	5.44-10.10	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Technetium-99	6.41	6.73	4.71-8.75	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Uranium-234/233	1.09	1.01	0.71-1.31	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Uranium-238	1.140	1.040	0.73-1.35	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Zinc-65	17.3	15.5	10.9	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-XaW37	Alk. Water	Bq/L	Iodine-129	2.590	2.310	1.62-3.00	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-235	0.0521	0.0507	0.0355-0.0659	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-238	7.8	7.0	4.90-9.10	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-Total	7.84	7.05	4.94-9.17	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Americium-241	0.053300	0	0.0458-0.0796	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cesium-134	1.0300	1.00	0.7-1.30	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cesium-137	0.88	0.82	0.57-1.07	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cobalt-57	0.01	0.00	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cobalt-60	0.75	0.68	0.48-0.88	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Manganese-54	1.48	1.30	0.91-1.69	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Plutonium-238	0.0257	0.0298	0.0209-0.0387	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Plutonium-239/240	0.0408	0.0468	0.0328-0.0608	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Strontium-90	0.608	0.801	0.561-1.041	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Uranium-234/233	0.086	0.084	0.059-0.109	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Uranium-238	0.093	0.087	0.061-0.113	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Zinc-65	1.2500	1.08	0.76-1.40	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Americium-241	0.080	0.077	0.054-0.1	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cesium-134	2.30	2.32	1.62-3.02	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cesium-137	0.0191	0.00	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cobalt-57	2.92	2.80	2.0-3.6	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cobalt-60	2.24	2.07	1.45-2.69	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Manganese-54	2.78	2.62	1.83-3.41	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Plutonium-238	0.0762	0.0830	0.058-0.108	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Plutonium-239/240	0.104	0.108	0.076-0.140	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Strontium-90	0.960	1.23	0.86-1.6	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Uranium-234/233	0.162	0.159	0.111-0.207	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Uranium-238	0.166	0.163	0.114-0.212	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/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Zinc-65	5.93	5.37	3.76-6.98	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Actinium-228	1200	1240	795 - 1720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Americium-241	1180	1140	667 - 1480	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Bismuth-212	1600	1240	330 - 1820	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Bismuth-214	1460	1890	1140 - 2720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cesium-134	5770	6320	4130 - 7590	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cesium-137	3940	3830	2930 - 4930	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cobalt-60	4110	4130	2790 - 5690	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Lead-212	1270	1240	812 - 1730	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Lead-214	1720	1980	1160 - 2950	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Manganese-54	<29.2	<1000	<1000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Plutonium-238	508	615	370 - 849	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Plutonium-239	578	506	331 - 699	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Potassium-40	10600	10600	7740 - 14200	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Strontium-90	2530	3460	1320 - 5470	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Thorium-234	4160	3690	1170 - 6940	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	4310	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	3350	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	3400	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	3590	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	4380	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	3260	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7732	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7190	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7780	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	8090	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	12100	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	10800	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	12200	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	9770	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Zinc-65	7380	6660	5300 - 8850	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Americium-241	681	670	410 - 891	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cesium-134	1530	1670	1070 - 2170	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cesium-137	1890	1840	1330 - 2560	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cobalt-60	2320	2180	1500 - 3050	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Curium-244	2380	2790	1370 - 4350	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Manganese-54	<36.1	<300	<300	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Plutonium-238	3340	4180	2490 - 5720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Plutonium-239	950	1060	651 - 1460	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Potassium-40	34900	30900	22300 - 43400	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/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Strontium-90	2580	2650	1510 - 3510	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-234	985	995	654 - 1280	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-234	1100	995	654 - 1280	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-238	1040	987	659 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-238	821	987	659 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	2320	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	1845	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	2390	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	3200	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	2460	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	3460	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Zinc-65	1670	1400	1010 - 1970	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Americium-241	15.4	14.9	9.18 - 20.2	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cesium-134	1410	1440	916 - 1790	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cesium-137	1010	954	717 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cobalt-60	296	271	210 - 339	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Iron-55	1010	1080	335 - 2110	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Manganese-54	<3.18	<50.0	<50.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Plutonium-238	61.8	63.9	43.8 - 84.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Plutonium-239	40.2	44.4	32.1 - 58.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Strontium-90	115	121	59.1 - 181	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-234	42.8	41.5	25.7 - 62.6	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-234	38.5	41.5	25.7 - 62.6	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-238	41.1	41.2	26.6 - 57.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-238	37.5	41.2	26.6 - 57.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	82	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	86.7	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	83	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	129	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	124	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	113	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Zinc-65	146	123	88.1 - 170	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Gross Alpha	60	50.1	16.8 - 77.8	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Gross Beta	68.3	61.8	39.1 - 90.1	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Americium-241	176	158	106 - 212	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cesium-134	1340	1400	1030 - 1610	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cesium-137	390	378	321 - 453	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cobalt-60	1990	1830	1590 - 2140	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Iron-55	1550	1640	978 - 2230	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Manganese-54	<9.38	<100	<100	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/2017	11/17/17	MRAD-27	Water	pCi/L	Plutonium-238	136	158	117 - 197	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Plutonium-239	114	134	104 - 169	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Strontium-90	218	222	145 - 293	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	163	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	153	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	157	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-238	169	158	120 - 194	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-238	136	158	120 - 194	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	306	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	310	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	343	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	510	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	463	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	407	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Zinc-65	2090	1750	1460 - 2210	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Gross Alpha	109	113	40.1 - 175	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Gross Beta	127	130	74.4 - 193	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Tritium	21100	22500	15100 - 32100	Acceptable
EZA	4th/2017	02/02/18	E12067	Cartridge	pCi	Iodine-131	4.84E+01	4.81E+01	1.01	Acceptable
EZA	4th/2017	02/02/18	E12068	Milk	pCi/L	Strontium-89	9.54E+01	9.23E+01	1.03	Acceptable
EZA	4th/2017	02/02/18	E12068	Milk	pCi/L	Strontium-90	1.34E+01	1.69E+01	0.79	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cerium-141	1.07E+02	9.83E+01	1.09	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cobalt-58	9.29E+01	8.99E+01	1.03	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cobalt-60	1.95E+02	1.73E+02	1.13	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Chromium-51	2.69E+02	2.42E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cesium-134	1.20E+02	1.25E+02	0.96	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cesium-137	1.63E+02	1.41E+02	1.15	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Iron-59	1.27E+02	1.13E+02	1.12	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Iodine-131	6.59E+01	5.78E+01	1.14	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Manganese-54	1.79E+02	1.61E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Zinc-65	2.34E+02	2.11E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cerium-141	6.60E+01	6.24E+01	1.06	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cobalt-58	5.95E+01	5.70E+01	1.04	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cobalt-60	1.15E+02	1.10E+02	1.05	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Chromium-51	1.68E+02	1.54E+02	1.09	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cesium-134	7.47E+01	7.92E+01	0.94	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cesium-137	9.31E+01	8.97E+01	1.04	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Iron-59	8.74E+01	7.19E+01	1.22	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Iodine-131	5.36E+01	4.95E+01	1.08	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/2017	02/02/18	E12070	Water	pCi/L	Manganese-54	1.14E+02	1.02E+02	1.12	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Zinc-65	1.57E+02	1.34E+02	1.17	Acceptable

*This test is to monitor if laboratories are reporting false positive activities 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

2017 Eckert & Ziegler Analytics Performance Evaluation Results

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
07/07/17	E11818	Cartridge	pCi	Iodine-131	9.93E+01	9.46E+01	1.05	Acceptable
07/07/17	E11819	Milk	pCi/L	Strontium-89	8.86E+01	9.96E+01	0.89	Acceptable
07/07/17	E11819	Milk	pCi/L	Strontium-90	1.97E+01	2.55E+01	0.77	Acceptable
07/07/17	E11820	Milk	pCi/L	Iodine-131	9.57E+01	9.68E+01	0.99	Acceptable
07/07/17	E11820	Milk	pCi/L	Cerium-141	1.21E+02	1.19E+02	1.02	Acceptable
07/07/17	E11820	Milk	pCi/L	Chromium-51	1.76E+02	2.12E+02	0.83	Acceptable
07/07/17	E11820	Milk	pCi/L	Cesium-134	1.71E+02	1.89E+02	0.9	Acceptable
07/07/17	E11820	Milk	pCi/L	Cesium-137	2.31E+02	2.27E+02	1.02	Acceptable
07/07/17	E11820	Milk	pCi/L	Cobalt-58	1.89E+02	1.78E+02	1.06	Acceptable
07/07/17	E11820	Milk	pCi/L	Manganese-54	2.74E+02	2.49E+02	1.1	Acceptable
07/07/17	E11820	Milk	pCi/L	Iron-59	1.35E+02	1.27E+02	1.06	Acceptable
07/07/17	E11820	Milk	pCi/L	Zinc-65	3.22E+02	2.96E+02	1.09	Acceptable
07/07/17	E11820	Milk	pCi/L	Cobalt-60	2.85E+02	2.93E+02	0.97	Acceptable
07/07/17	E11821	Water	pCi/L	Iodine-131	9.68E+01	8.79E+01	1.1	Acceptable
07/07/17	E11821	Water	pCi/L	Cerium-141	1.24E+02	1.19E+02	1.05	Acceptable
07/07/17	E11821	Water	pCi/L	Chromium-51	2.43E+02	2.11E+02	1.15	Acceptable
07/07/17	E11821	Water	pCi/L	Cesium-134	1.84E+02	1.88E+02	0.98	Acceptable
07/07/17	E11821	Water	pCi/L	Cesium-137	2.49E+02	2.26E+02	1.1	Acceptable
07/07/17	E11821	Water	pCi/L	Cobalt-58	1.88E+02	1.77E+02	1.06	Acceptable
07/07/17	E11821	Water	pCi/L	Manganese-54	2.79E+02	2.48E+02	1.13	Acceptable
07/07/17	E11821	Water	pCi/L	Iron-59	1.46E+02	1.27E+02	1.15	Acceptable
07/07/17	E11821	Water	pCi/L	Zinc-65	3.36E+02	2.95E+02	1.14	Acceptable
07/07/17	E11821	Water	pCi/L	Cobalt-60	3.07E+02	2.92E+02	1.05	Acceptable
08/02/17	E11873	Cartridge	pCi	Iodine-131	8.65E+01	8.46E+01	1.02	Acceptable
08/02/17	E11874	Milk	pCi/L	Strontium-89	8.88E+01	9.26E+01	0.96	Acceptable
08/02/17	E11874	Milk	pCi/L	Strontium-90	9.50E+00	1.35E+01	0.71	Acceptable
08/02/17	E11875	Milk	pCi/L	Cerium-141	1.62E+02	1.51E+02	1.07	Acceptable
08/02/17	E11875	Milk	pCi/L	Cobalt-58	1.53E+02	1.55E+02	0.98	Acceptable
08/02/17	E11875	Milk	pCi/L	Cobalt-60	2.07E+02	1.91E+02	1.08	Acceptable
08/02/17	E11875	Milk	pCi/L	Chromium-51	3.65E+02	3.15E+02	1.16	Acceptable
08/02/17	E11875	Milk	pCi/L	Cesium-134	1.74E+02	1.88E+02	0.92	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
08/02/17	E11875	Milk	pCi/L	Cesium-137	1.57E+02	1.50E+02	1.05	Acceptable
08/02/17	E11875	Milk	pCi/L	Iron-59	1.28E+02	1.15E+02	1.11	Acceptable
08/02/17	E11875	Milk	pCi/L	Iodine-131	9.93E+01	9.36E+01	1.06	Acceptable
08/02/17	E11875	Milk	pCi/L	Manganese-54	1.95E+02	1.72E+02	1.14	Acceptable
08/02/17	E11875	Milk	pCi/L	Zinc-65	2.18E+02	2.04E+02	1.07	Acceptable
08/02/17	E11876	Water	pCi/L	Cerium-141	2.09E+02	1.99E+02	1.05	Acceptable
08/02/17	E11876	Water	pCi/L	Cobalt-58	2.11E+02	2.04E+02	1.04	Acceptable
08/02/17	E11876	Water	pCi/L	Cobalt-60	2.57E+02	2.50E+02	1.03	Acceptable
08/02/17	E11876	Water	pCi/L	Chromium-51	4.41E+02	4.13E+02	1.07	Acceptable
08/02/17	E11876	Water	pCi/L	Cesium-134	2.38E+02	2.47E+02	0.96	Acceptable
08/02/17	E11876	Water	pCi/L	Cesium-137	2.20E+02	1.97E+02	1.12	Acceptable
08/02/17	E11876	Water	pCi/L	Iron-59	1.64E+02	1.51E+02	1.09	Acceptable
08/02/17	E11876	Water	pCi/L	Iodine-131	8.69E+01	8.12E+01	1.07	Acceptable
08/02/17	E11876	Water	pCi/L	Manganese-54	2.43E+02	2.25E+02	1.08	Acceptable
08/02/17	E11876	Water	pCi/L	Zinc-65	2.95E+02	2.67E+02	1.10	Acceptable
11/10/17	E11926	Cartridge	pCi	Iodine-131	6.30E+01	6.48E+01	0.97	Acceptable
11/10/17	E11927	Milk	pCi/L	Strontium-89	7.50E+01	8.27E+01	0.91	Acceptable
11/10/17	E11927	Milk	pCi/L	Strontium-90	1.01E+01	1.21E+01	0.84	Acceptable
11/10/17	E11928	Milk	pCi/L	Iodine-131	7.35E+01	7.10E+01	1.04	Acceptable
11/10/17	E11928	Milk	pCi/L	Cerium-141	8.31E+01	8.70E+01	0.95	Acceptable
11/10/17	E11928	Milk	pCi/L	Chromium-51	2.37E+02	2.17E+02	0.92	Acceptable
11/10/17	E11928	Milk	pCi/L	Cesium-134	1.85E+02	2.01E+02	0.92	Acceptable
11/10/17	E11928	Milk	pCi/L	Cesium-137	1.67E+02	1.72E+02	0.97	Acceptable
11/10/17	E11928	Milk	pCi/L	Cobalt-58	1.21E+02	1.17E+02	1.03	Acceptable
11/10/17	E11928	Milk	pCi/L	Manganese-54	1.28E+02	1.23E+02	1.04	Acceptable
11/10/17	E11928	Milk	pCi/L	Iron-59	1.56E+02	1.25E+02	1.24	Acceptable
11/10/17	E11928	Milk	pCi/L	Zinc-65	1.97E+02	1.84E+02	1.07	Acceptable
11/10/17	E11928	Milk	pCi/L	Cobalt-60	2.59E+02	2.62E+02	0.99	Acceptable
11/10/17	E11929	Water	pCi/L	Iodine-131	8.08E+01	7.92E+01	1.02	Acceptable
11/10/17	E11929	Water	pCi/L	Cerium-141	1.09E+02	9.95E+01	1.1	Acceptable
11/10/17	E11929	Water	pCi/L	Chromium-51	2.47E+02	2.48E+02	1	Acceptable
11/10/17	E11929	Water	pCi/L	Cesium-134	2.06E+02	2.29E+02	0.9	Acceptable
11/10/17	E11929	Water	pCi/L	Cesium-137	2.00E+02	1.96E+02	1.02	Acceptable
11/10/17	E11929	Water	pCi/L	Cobalt-58	1.41E+02	1.34E+02	1.05	Acceptable
11/10/17	E11929	Water	pCi/L	Manganese-54	1.50E+02	1.40E+02	1.07	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
11/10/17	E11929	Water	pCi/L	Iron-59	1.58E+02	1.43E+02	1.10	Acceptable
11/10/17	E11929	Water	pCi/L	Zinc-65	2.37E+02	2.10E+02	1.13	Acceptable
11/10/17	E11929	Water	pCi/L	Cobalt-60	3.18E+02	2.99E+02	1.06	Acceptable
02/02/18	E12067	Cartridge	pCi	Iodine-131	4.84E+01	4.81E+01	1.01	Acceptable
02/02/18	E12068	Milk	pCi/L	Strontium-89	9.54E+01	9.23E+01	1.03	Acceptable
02/02/18	E12068	Milk	pCi/L	Strontium-90	1.34E+01	1.69E+01	0.79	Acceptable
02/02/18	E12069	Milk	pCi/L	Cerium-141	1.07E+02	9.83E+01	1.09	Acceptable
02/02/18	E12069	Milk	pCi/L	Cobalt-58	9.29E+01	8.99E+01	1.03	Acceptable
02/02/18	E12069	Milk	pCi/L	Cobalt-60	1.95E+02	1.73E+02	1.13	Acceptable
02/02/18	E12069	Milk	pCi/L	Chromium-51	2.69E+02	2.42E+02	1.11	Acceptable
02/02/18	E12069	Milk	pCi/L	Cesium-134	1.20E+02	1.25E+02	0.96	Acceptable
02/02/18	E12069	Milk	pCi/L	Cesium-137	1.63E+02	1.41E+02	1.15	Acceptable
02/02/18	E12069	Milk	pCi/L	Iron-59	1.27E+02	1.13E+02	1.12	Acceptable
02/02/18	E12069	Milk	pCi/L	Iodine-131	6.59E+01	5.78E+01	1.14	Acceptable
02/02/18	E12069	Milk	pCi/L	Manganese-54	1.79E+02	1.61E+02	1.11	Acceptable
02/02/18	E12069	Milk	pCi/L	Zinc-65	2.34E+02	2.11E+02	1.11	Acceptable
02/02/18	E12070	Water	pCi/L	Cerium-141	6.60E+01	6.24E+01	1.06	Acceptable
02/02/18	E12070	Water	pCi/L	Cobalt-58	5.95E+01	5.70E+01	1.04	Acceptable
02/02/18	E12070	Water	pCi/L	Cobalt-60	1.15E+02	1.10E+02	1.05	Acceptable
02/02/18	E12070	Water	pCi/L	Chromium-51	1.68E+02	1.54E+02	1.09	Acceptable
02/02/18	E12070	Water	pCi/L	Cesium-134	7.47E+01	7.92E+01	0.94	Acceptable
02/02/18	E12070	Water	pCi/L	Cesium-137	9.31E+01	8.97E+01	1.04	Acceptable
02/02/18	E12070	Water	pCi/L	Iron-59	8.74E+01	7.19E+01	1.22	Acceptable
02/02/18	E12070	Water	pCi/L	Iodine-131	5.36E+01	4.95E+01	1.08	Acceptable
02/02/18	E12070	Water	pCi/L	Manganese-54	1.14E+02	1.02E+02	1.12	Acceptable
02/02/18	E12070	Water	pCi/L	Zinc-65	1.57E+02	1.34E+02	1.17	Acceptable

Table C-3

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

REMP 2017	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Iodine-131	11	0	105	0
Gas Flow Sr 2nd count	33	0	35	0
Gas Flow Total Strontium	17	0	18	0
Gamma Spec Liquid RAD A-013 with Ba, La	31	0	85	0
SOLID				
Gamma Spec Solid RAD A-013	14	0	23	0
LSC Nickel 63	3	0	3	0
Gas Flow Sr 2nd count	6	0	7	0
Gas Flow Total Strontium	3	0	5	0
Gamma Spec Solid RAD A-013 with Ba, La	3	0	9	0
Gamma Spec Solid RAD A-013 with Iodine	9	0	9	0
FILTER				
Gamma Spec Filter RAD A-013	3	0	3	0
Gas Flow Sr 2nd Count	5	0	5	0
Gross A & B	381	0	311	0
Gas Flow Sr-90	1	0	1	0
Gamma Spec Filter	33	0	51	0
LIQUID				
Alpha Spec Uranium	4	0	6	0
Tritium	183	0	214	0
LSC Iron-55	7	0	7	0
LSC Nickel 63	7	0	7	0
Gamma Spec Liquid RAD A-013	2	0	2	0
Gamma Iodine-131	25	0	24	0
Alpha Spec Plutonium	6	0	6	0
Gas Flow Sr 2nd count	3	0	3	0
Alpha Spec Am241 Curium	8	0	8	0
Gas Flow Total Strontium	17	0	15	0
Gross Alpha Non Vol Beta	29	0	50	0
Gamma Spec Liquid RAD A-013 with Ba, La	66	0	146	0
Gamma Spec Liquid RAD A-013 with Iodine	24	0	67	0
TISSUE				
Gamma Spec Solid RAD A-013	35	0	35	0
Gas Flow Sr 2nd count	8	0	8	0
Gas Flow Total Strontium	7	0	7	0
Gamma Spec Solid RAD A-013 with Iodine	10	0	11	0
SEA WATER				
LSC Iron-55	8	0	8	0
LSC Nickel 63	8	0	8	0

REMP 2017	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Total Strontium	8	0	9	0
Gross Alpha Non Vol Beta	9	0	9	0
Gamma Spec Liquid RAD A-013 with Iodine	11	0	11	0
VEGETATION				
Gamma Spec Solid RAD A-013	5	0	5	0
Gas Flow Sr 2nd count	11	0	11	0
Gamma Spec Solid RAD A-013 with Iodine	76	0	87	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	381	0	529	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	26	0	26	0
DRINKING WATER				
Tritium	39	0	36	0
LSC Iron-55	15	0	15	0
LSC Nickel 63	15	0	15	0
Gamma Iodine-131	21	0	20	0
Gas Flow Sr 2nd count	11	0	11	0
Gas Flow Total Strontium	16	0	17	0
Gross Alpha Non Vol Beta	78	0	75	0
Gamma Spec Liquid RAD A-013 with Ba, La	16	0	68	
Total	**1748**		**2246**	

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 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Iodine-129	2	0	2	0
Gamma Iodine-131	11	0	105	0
Gas Flow Sr 2nd count	33	0	35	0
Gas Flow Strontium 90	6	0	6	0
Gas Flow Total Strontium	17	0	18	0
Gamma Spec Liquid RAD A-013 with Ba, La	31	0	85	0
Gamma Spec Liquid RAD A-013 with Iodine	4	0	4	0
SOLID				
Gas Flow Radium 228	89	0	101	0
Tritium	265	0	304	0
Tritium by Pyrolysis	0	0	2	0
Carbon-14	154	0	202	0
Carbon-14 by Pyrolysis	0	0	2	0
ICP-MS Tc-99 in Filter	0	0	1	0
LSC Iron-55	93	0	99	0
Alpha Spec Polonium Solid	51	0	63	0
Gamma Nickel 59 RAD A-022	81	0	94	0
LSC Chlorine-36 in Solids	2	0	2	0
Gamma Spec Ra226 RAD A-013	24	0	25	0
Gamma Spec Solid RAD A-013	910	0	1238	0
LSC Nickel 63	190	0	190	0
LSC Plutonium	180	0	191	0
Technetium-99	350	0	411	0
Gross Alpha Beta Soil Leach	4	0	7	0
ICP-MS Tc-99 Prep in Filter	0	0	1	0
ICP-MS Technetium-99 in Soil	5	0	3	0
LSC Selenium 79	9	0	15	0
Total Activity,	4	0	6	0
Tritium	44	0	45	0
Alpha Spec Am243	33	0	42	0
Gamma Iodine-129	93	0	117	0
Gross Alpha/Beta	2	0	2	0
Gas Flow Lead 210	13	0	13	0
Total Uranium KPA	10	0	16	0
Alpha Spec Uranium	394	0	510	0
LSC Promethium 147	4	0	4	0
LSC, Rapid Strontium 89 and 90	50	0	59	0
Alpha Spec Thorium	304	0	390	0
Gas Flow Radium 228	0	0	68	0
ICP-MS Uranium-233, 234 in Solid	36	0	36	0
LSC Sulfur 35	1	0	1	0
Alpha Spec Plutonium	402	0	447	0
ICP-MS Technetium-99 Prep in Soil	6	0	4	0

Total Radiological 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Calcium 45	2	0	2	0
Alpha Spec Neptunium	299	0	320	0
Alpha Spec Plutonium	104	0	122	0
Alpha Spec Radium 226	43	0	62	0
Gas Flow Sr 2nd count	27	0	32	0
Gas Flow Strontium 90	216	0	218	0
Gas Flow Total Radium	1	0	1	0
Lucas Cell Radium 226	166	0	249	0
Total Activity Screen	6	0	16	0
Alpha Spec Am241 Curium	351	0	382	0
Alpha Spec Total Uranium	9	0	11	0
Gas Flow Total Strontium	96	0	101	0
ICP-MS Uranium-233, 234 Prep in Solid	34	0	34	0
ICP-MS Uranium-235, 236, 238 in Solid	44	0	35	0
Alpha Spec Polonium Solid	2	0	2	0
Gamma Spec Solid RAD A-013 with Ba, La	3	0	9	0
Gamma Spec Solid RAD A-013 with Iodine	9	0	9	0
GFC Chlorine-36 in Solids	12	0	14	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	3	0	3	0
Technetium-99	1	0	1	0
Tritium	7	0	7	0
Alpha Spec Am241 (pCi/Sample)	2	0	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	162	0	152	0
ICP-MS Uranium-235, 236, 238 Prep in Solid	35	0	40	0
Gross Alpha/Beta (Am/Cs Calibration) Solid	2	0	2	0
Alpha Spec Uranium	1	0	2	0
Gross Alpha/Beta	325	0	469	0
Alpha Spec Plutonium	2	0	3	0
Gas Flow Strontium 90	5	0	3	0
Gross Alpha/Beta (Americium Calibration) Solid	2	0	2	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	78	0	77	0
FILTER				
Alpha Spec Uranium	5	0	19	0
Alpha Spec Polonium	1	0	11	0
Gamma I-131, filter	4	0	4	0
LSC Plutonium Filter	76	0	94	0
Tritium	48	0	134	0
Tritium by Pyrolysis	0	0	1	0
Carbon-14	19	0	83	0
Carbon-14 by Pyrolysis	0	0	1	0
ICP-MS Tc-99 in Filter	0	0	3	0
Nickel-63	0	0	16	0
LSC Iron-55	45	0	60	0
Gamma Nickel 59 RAD A-022	53	0	62	0
Gamma Iodine 131 RAD A-013	0	0	1	0
LSC Nickel 63	56	0	64	0

Total Radiological 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Technetium-99	26	0	72	0
Gamma Spec Filter RAD A-013	118	0	174	0
ICP-MS Tc-99 Prep in Filter	0	0	3	0
LSC Selenium 79	1	0	2	0
Alphaspec Np Filter per Liter	11	0	21	0
Alphaspec Pu Filter per Liter	29	0	32	0
Gamma Iodine-125	3	0	0	0
Gamma Iodine-129	6	0	46	0
Alpha Spec Am243	7	0	13	0
Alpha Spec Radium, Filter/Liter	1	0	1	0
Gas Flow Lead 210	0	0	2	0
Total Uranium KPA	4	0	14	0
Alpha Spec Uranium	50	0	80	0
LSC Promethium 147	0	0	3	0
LSC, Rapid Strontium 89 and 90	59	0	72	0
Alpha Spec Thorium	36	0	55	0
Gas Flow Radium 228	0	0	1	0
Alpha Spec Plutonium	77	0	125	0
ICP-MS Uranium-233, 234 in Filter	0	0	4	0
Alpha Spec Neptunium	52	0	61	0
Alpha Spec Plutonium	64	0	84	0
Alpha Spec Polonium,(Filter/Liter)	0	0	2	0
Alpha Spec Radium 226	0	0	2	0
Alpha/Beta (Americium Calibration)	1	0	1	0
Gas Flow Sr 2nd Count	48	0	61	0
Gas Flow Strontium 90	56	0	82	0
LSC Plutonium 241 Filter per Liter	6	0	16	0
Lucas Cell Radium-226	1	0	2	0
Alpha Spec Am241Curium	102	0	146	0
Gas Flow Total Strontium	3	0	5	0
ICP-MS Uranium-233, 234 Prep in Filter	0	0	4	0
ICP-MS Uranium-235, 236, 238 in Filter	0	0	4	0
Total Activity in Filter,	2	0	4	0
Alphaspec Am241 Curium Filter per Liter	11	0	30	0
Tritium	82	0	93	0
GFC Chlorine-36 in Filters	2	0	2	0
Gamma Spec Filter RAD A-013 Direct Count	2	0	6	0
Carbon-14	8	0	11	0
GFC Chlorine-36 in Filters PL	2	0	3	0
Gross A & B (Americium Calibration) Liquid	0	0	21	0
Direct Count-Gross Alpha/Beta	69	0	0	0
Gross Alpha/Beta	31	0	41	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	6	0	8	0
ICP-MS Uranium-235, 236, 238 Prep in Filter	0	0	4	0
Alpha Spec U	10	0	36	0

Total Radiological 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gross A & B	420	0	358	0
LSC Iron-55	3	0	11	0
Technetium-99	10	0	17	0
Gas Flow Sr-90	8	0	16	0
LSC Nickel 63	12	0	22	0
Gas Flow Pb-210	7	0	22	0
Gas Flow Ra-228	4	0	10	0
Gamma Iodine 129	9	0	9	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	3	0	4	0
Gamma Spec Filter	84	0	115	0
Lucas Cell Ra-226	10	0	21	0
Alpha Spec Thorium	12	0	29	0
LIQUID				
Alpha Spec Uranium	409	0	612	0
Alpha Spec Polonium	9	0	17	0
Electrolytic Tritium	11	0	19	0
Tritium	1104	0	1179	0
Carbon-14	168	0	197	0
Plutonium	84	0	107	0
Chlorine-36 in Liquids	6	0	11	0
Iodine-131	4	0	2	0
LSC Iron-55	101	0	138	0
Gamma Nickel 59 RAD A-022	13	0	25	0
Gamma Iodine 131 RAD A-013	2	0	2	0
LSC Nickel 63	127	0	167	0
LSC Radon 222	14	0	14	0
Technetium-99	450	0	503	0
Direct Tritium	26	0	26	0
Gamma Spec Liquid RAD A-013	730	0	770	0
Alpha Spec Total U RAD A-011	25	0	29	0
LSC Selenium 79	35	0	36	0
Alpha Spec Am243	11	0	17	0
Gamma Iodine-129	122	0	143	0
Gamma Iodine-131	25	0	24	0
ICP-MS Technetium-99 in Water	11	0	29	0
Gas Flow Lead 210	22	0	24	0
Total Uranium KPA	55	0	119	0
LSC Promethium 147	17	0	18	0
LSC, Rapid Strontium 89 and 90	6	0	9	0
Alpha Spec Polonium	1	0	2	0
Alpha Spec Thorium	209	0	295	0
Gas Flow Radium 228	462	0	541	0
Gas Flow Radium 228	10	0	10	0
Alpha Spec Plutonium	311	0	421	0
LSC Sulfur 35	11	0	12	0
Alpha Spec Neptunium	135	0	196	0
Alpha Spec Plutonium	23	0	34	0
Alpha Spec Radium 226	31	0	36	0

Total Radiological 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Sr 2nd count	113	0	127	0
Gas Flow Strontium 90	448	0	498	0
Gas Flow Total Radium	72	0	96	0
ICP-MS Technetium-99 Prep in Water	11	0	29	0
ICP-MS Uranium-233, 234 in Liquid	6	0	7	0
LSC Calcium 45	12	0	12	0
Lucas Cell Radium 226	510	0	604	0
Lucas Cell Radium-226	7	0	10	0
Total Activity Screen	1	0	1	0
Chlorine-36 in Liquids	13	0	15	0
Alpha Spec Am241 Curium	285	0	397	0
Gas Flow Total Strontium	90	0	90	0
Gross Alpha Non Vol Beta	865	0	1072	0
LSC Phosphorus-32	3	0	8	0
ICP-MS Uranium-233, 234 Prep in Liquid	6	0	7	0
Tritium in Drinking Water by EPA 906.0	5	0	5	0
Gamma Spec Liquid RAD A-013 with Ba, La	66	0	149	0
Gamma Spec Liquid RAD A-013 with Iodine	104	0	146	0
Gas Flow Strontium 89 & 90	2	0	0	0
ICP-MS Uranium-235, 236, 238 in Liquid	11	0	9	0
Gas Flow Total Alpha Radium	4	0	2	0
Gross Alpha Co-precipitation	8	0	15	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	8	0	9	0
Gross Alpha/Beta	0	0	1	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	88	0	94	0
Gross Alpha Beta (Americium Calibration) Liquid	28	0	52	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	46	0	50	0
Alpha/Beta (Americium Calibration) Drinking Water	22	0	15	0
TISSUE				
Gamma Spec Solid RAD A-013	60	0	72	0
Alpha Spec Uranium	6	0	8	0
Alpha Spec Thorium	0	0	1	0
Alpha Spec Plutonium	7	0	7	0
Alpha Spec Radium 226	0	0	1	0
Gas Flow Sr 2nd count	8	0	8	0
Gas Flow Strontium 90	12	0	13	0
Alpha Spec Am241 Curium	3	0	3	0
Gas Flow Total Strontium	7	0	7	0
Gamma Spec Solid RAD A-013 with Iodine	10	0	11	0
Gross Alpha/Beta	2	0	2	0
SEA WATER				
LSC Iron-55	8	0	8	0
LSC Nickel 63	8	0	8	0

Total Radiological 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Total Strontium	8	0	9	0
Gross Alpha Non Vol Beta	9	0	9	0
Gamma Spec Liquid RAD A-013 with Iodine	11	0	11	0
VEGETATION				
Carbon-14	7	0	7	0
Gamma Nickel 59 RAD A-022	1	0	1	0
Gamma Spec Solid RAD A-013	27	0	27	0
LSC Nickel 63	1	0	1	0
LSC Plutonium	1	0	1	0
Technetium-99	1	0	1	0
Tritium	7	0	7	0
Gamma Iodine-129	1	0	1	0
Gas Flow Lead 210	3	0	3	0
Total Uranium KPA	4	0	4	0
Alpha Spec Uranium	23	0	31	0
Alpha Spec Thorium	11	0	14	0
Alpha Spec Plutonium	15	0	14	0
Gas Flow Sr 2nd count	11	0	11	0
Gas Flow Strontium 90	14	0	15	0
Gas Flow Total Radium	2	0	3	0
Alpha Spec Am241 Curium	5	0	4	0
Gamma Spec Solid RAD A-013 with Iodine	76	0	87	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	1	0	2	0
Alpha Spec Am241 (pCi/Sample)	1	0	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	8	0	4	0
Alpha Spec Uranium	0	0	2	0
Gross Alpha/Beta	13	0	18	0
Alpha Spec Plutonium	0	0	2	0
Gas Flow Strontium 90	4	0	2	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	4	0	2	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	381	0	529	0
Gamma Iodine-125	1	0	0	0
Gamma Iodine-129	15	0	6	0
Alpha Spec Uranium	0	0	1	0
Alpha Spec Plutonium	0	0	1	0
Alpha Spec Am241Curium	0	0	1	0
Carbon-14	13	0	13	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	26	0	26	0
Gamma Iodine 129	12	0	12	0
Gamma Spec Filter	12	0	12	0
DRINKING WATER				
Alpha Spec Uranium	2	0	2	0
Alpha Spec Polonium	0	0	1	0
Tritium	39	0	36	0
Iodine-131	1	0	7	0
LSC Iron-55	15	0	15	0

Total Radiological 2017	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Nickel 63	15	0	15	0
LSC Radon 222	34	0	29	0
Gamma Spec Liquid RAD A-013	25	0	26	0
Gamma Iodine-129	1	0	4	0
Gamma Iodine-131	21	0	20	0
Total Uranium KPA	2	0	4	0
Alpha Spec Thorium	2	0	2	0
Gas Flow Radium 228	33	0	39	0
Gas Flow Sr 2nd count	11	0	11	0
Gas Flow Strontium 90	10	0	18	0
Gas Flow Total Radium	1	0	1	0
LSC Calcium 45	2	0	2	0
Lucas Cell Radium 226	0	0	1	0
Lucas Cell Radium-226	48	0	48	0
Gamma Spec Drinking Water RAD A-013	4	0	20	0
Gas Flow Total Strontium	16	0	17	0
Gross Alpha Non Vol Beta	328	0	270	0
Tritium in Drinking Water by EPA 906.0	47	0	61	0
Gamma Spec Liquid RAD A-013 with Ba, La	16	0	68	0
Gas Flow Strontium 89 & 90	23	0	20	0
Gross Alpha Co-precipitation	127	0	94	0
Alpha/Beta (Americium Calibration) Drinking Water	11	0	11	0
ECLS-R-GA NJ 48 Hr. Rapid Gross Alpha	1	0	1	0
Total	**17140**		**21176**	

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

2017 Corrective Action Report Summary

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR170227-1085 ISO Documentation of PT Failures in RAD 108 for Gross Alpha.	**Root Cause Analysis** **Gross Alpha** **EPA 00-02 and EPA 9310** 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. The following steps were taken to prove that this positive bias was an isolated occurrence and that our overall process is within control. 1. The batch quality control samples were reviewed and found to be compliant. The LCSs recovered at 119% (EPA 00-02) and 96.9% (EPA 900 & 9310). 2. The sample was duplicated within each batch and met criteria with RPDs of 2.52% & 3.48%. (EPA 00-02) and 0.211% and 16.4% (EPA 900.0 & 9310). 3. The LCS control charts were review for biases. None were noted. **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.
CARR170828-1125 ISO Documentation of PT Failure in RAD 110 for I-131	**Root Cause Analysis** **Iodine-131**: After a review of the data, it was determined that an unknown error occurred during the analysis of these samples because all quality control criteria were met for the batch. The following steps were taken to prove that this positive bias was an isolated occurrence and that the laboratory's overall process is in control: 1. The batch quality control samples were reviewed and found to be compliant.

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
	2. The sample was duplicated within the batch and met criteria. The duplicate result is within the acceptance limits of the study. 3. The control charts were reviewed for biases and none were noted. **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, 2017 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 2017[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 2017[1], [2]

Process Date	Exposure Level	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
5/01/2017	31	1.0	0.9	Pass
5/08/2017	57	-0.4	1.0	Pass
5/08/2017	85	0.8	2.4	Pass
7/25/2017	36	-2.5	1.7	Pass
07/29/2017	67	5.5	1.0	Pass
8/8/2017	123	-3.8	0.9	Pass
10/23/2017	44	3.8	2.8	Pass
10/31/2017	74	1.7	1.2	Pass
11/12/2017	94	0.5	1.0	Pass
2/01/2018	27	2.6	1.4	Pass
2/06/2018	50	3.0	0.6	Pass
2/08/2018	105	0.5	2.0	Pass

[1] This table summarizes results of tests conducted by EDC for TLDs issued in 2017.
[2] Environmental dosimeter results are free in air.

Table C-8
Summary of Independent Blind Spike Dosimeter Testing
JANUARY – DECEMBER 2017[1], [2]

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
1st Qtr. 2017	Millstone	2.9	1.5	Pass
2nd Qtr.2017	Millstone	2.8	1.2	Pass
3rd Qtr. 2017	Millstone	1.1	2.7	Pass
4th Qtr.2017	Millstone	-3.5	2.4	Pass
4th Qtr.2017	Seabrook	8.6	1.6	Pass

[1] Performance criteria are +/- 30%.
[2] Blind spike irradiations using Cs-137

APPENDIX D

2017 DATA SUMMARY

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	413792001	1/4/2017	BETA	2.70E-02	1.59E-03	1.13E-03	
AP	SBN	413792002	1/4/2017	BETA	3.04E-02	1.70E-03	1.16E-03	
AP	DOW	413792003	1/4/2017	BETA	3.15E-02	1.70E-03	1.12E-03	
AP	COL	413792004	1/4/2017	BETA	2.50E-02	1.53E-03	1.13E-03	
AP	ONS-1	413792005	1/4/2017	BETA	2.85E-02	1.64E-03	1.15E-03	
AP	ONS-2	413792006	1/4/2017	BETA	2.89E-02	1.65E-03	1.14E-03	
AP	ONS-3	413792007	1/4/2017	BETA	2.78E-02	1.61E-03	1.13E-03	
AP	ONS-4	413792008	1/4/2017	BETA	2.86E-02	1.60E-03	1.09E-03	
AP	ONS-5	413792009	1/4/2017	BETA	2.73E-02	1.58E-03	1.11E-03	
AP	ONS-6	413792010	1/4/2017	BETA	2.62E-02	1.55E-03	1.11E-03	
AP	NBF	414277001	1/11/2017	BETA	3.48E-02	1.77E-03	1.16E-03	
AP	SBN	414277002	1/11/2017	BETA	3.35E-02	1.76E-03	1.20E-03	
AP	DOW	414277003	1/11/2017	BETA	2.93E-02	1.63E-03	1.17E-03	
AP	COL	414277004	1/11/2017	BETA	2.98E-02	1.64E-03	1.17E-03	
AP	ONS-1	414277005	1/11/2017	BETA	2.87E-02	1.64E-03	1.21E-03	
AP	ONS-2	414277006	1/11/2017	BETA	2.68E-02	1.56E-03	1.16E-03	
AP	ONS-3	414277007	1/11/2017	BETA	2.69E-02	1.57E-03	1.18E-03	
AP	ONS-4	414277008	1/11/2017	BETA	2.62E-02	1.54E-03	1.16E-03	
AP	ONS-5	414277009	1/11/2017	BETA	2.80E-02	1.59E-03	1.16E-03	
AP	ONS-6	414277010	1/11/2017	BETA	2.81E-02	1.59E-03	1.16E-03	
AP	NBF	414678001	1/18/2017	BETA	3.23E-02	1.71E-03	1.17E-03	
AP	SBN	414678002	1/18/2017	BETA	2.65E-02	1.59E-03	1.23E-03	
AP	DOW	414678003	1/18/2017	BETA	2.62E-02	1.57E-03	1.21E-03	
AP	COL	414678004	1/18/2017	BETA	2.72E-02	1.59E-03	1.20E-03	
AP	ONS-1	414678005	1/18/2017	BETA	2.62E-02	1.56E-03	1.19E-03	
AP	ONS-2	414678006	1/18/2017	BETA	2.52E-02	1.52E-03	1.18E-03	
AP	ONS-3	414678007	1/18/2017	BETA	2.64E-02	1.54E-03	1.15E-03	
AP	ONS-4	414678008	1/18/2017	BETA	2.82E-02	1.63E-03	1.22E-03	
AP	ONS-5	414678009	1/18/2017	BETA	2.63E-02	1.53E-03	1.15E-03	
AP	ONS-6	414678010	1/18/2017	BETA	2.53E-02	1.50E-03	1.14E-03	
AP	NBF	415191001	1/25/2017	BETA	2.34E-02	1.47E-03	1.18E-03	
AP	SBN	415191002	1/25/2017	BETA	2.51E-02	1.56E-03	1.24E-03	
AP	DOW	415191003	1/25/2017	BETA	1.95E-02	1.39E-03	1.24E-03	
AP	COL	415191004	1/25/2017	BETA	2.39E-02	1.52E-03	1.23E-03	
AP	ONS-1	415191005	1/25/2017	BETA	2.21E-02	1.45E-03	1.21E-03	
AP	ONS-2	415191006	1/25/2017	BETA	2.31E-02	1.46E-03	1.17E-03	
AP	ONS-3	415191007	1/25/2017	BETA	2.47E-02	1.51E-03	1.19E-03	
AP	ONS-4	415191008	1/25/2017	BETA	2.42E-02	1.52E-03	1.22E-03	
AP	ONS-5	415191009	1/25/2017	BETA	2.19E-02	1.42E-03	1.17E-03	
AP	ONS-6	415191010	1/25/2017	BETA	2.16E-02	1.41E-03	1.17E-03	
AP	NBF	415694001	2/1/2017	BETA	1.87E-02	1.33E-03	1.17E-03	
AP	SBN	415694002	2/1/2017	BETA	1.89E-02	1.35E-03	1.18E-03	
AP	DOW	415694003	2/1/2017	BETA	1.72E-02	1.28E-03	1.17E-03	
AP	COL	415694004	2/1/2017	BETA	1.74E-02	1.28E-03	1.16E-03	
AP	ONS-1	415694005	2/1/2017	BETA	1.85E-02	1.31E-03	1.14E-03	
AP	ONS-2	415694006	2/1/2017	BETA	2.02E-02	1.39E-03	1.19E-03	
AP	ONS-3	415694007	2/1/2017	BETA	1.91E-02	1.31E-03	1.10E-03	
AP	ONS-4	415694008	2/1/2017	BETA	1.95E-02	1.32E-03	1.10E-03	
AP	ONS-5	415694009	2/1/2017	BETA	1.95E-02	1.35E-03	1.15E-03	
AP	ONS-6	415694010	2/1/2017	BETA	1.96E-02	1.35E-03	1.14E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	416159001	2/8/2017	BETA	2.09E-02	1.41E-03	1.26E-03	
AP	SBN	416159002	2/8/2017	BETA	2.25E-02	1.42E-03	1.20E-03	
AP	DOW	416159003	2/8/2017	BETA	2.18E-02	1.44E-03	1.27E-03	
AP	COL	416159004	2/8/2017	BETA	2.20E-02	1.43E-03	1.24E-03	
AP	ONS-1	416159005	2/8/2017	BETA	2.32E-02	1.47E-03	1.25E-03	
AP	ONS-2	416159006	2/8/2017	BETA	1.93E-02	1.35E-03	1.26E-03	
AP	ONS-3	416159007	2/8/2017	BETA	1.91E-02	1.34E-03	1.25E-03	
AP	ONS-4	416159008	2/8/2017	BETA	2.74E-02	1.57E-03	1.22E-03	
AP	ONS-5	416159009	2/8/2017	BETA	2.54E-02	1.53E-03	1.24E-03	
AP	ONS-6	416159010	2/8/2017	BETA	2.30E-02	1.46E-03	1.25E-03	
AP	NBF	416948001	2/15/2017	BETA	2.65E-02	1.56E-03	1.17E-03	
AP	SBN	416948002	2/15/2017	BETA	2.78E-02	1.58E-03	1.14E-03	
AP	DOW	416948003	2/15/2017	BETA	2.82E-02	1.64E-03	1.20E-03	
AP	COL	416948004	2/15/2017	BETA	2.65E-02	1.58E-03	1.19E-03	
AP	ONS-1	416948005	2/15/2017	BETA	2.69E-02	1.58E-03	1.17E-03	
AP	ONS-2	416948006	2/15/2017	BETA	2.52E-02	1.55E-03	1.20E-03	
AP	ONS-3	416948007	2/15/2017	BETA	2.67E-02	1.57E-03	1.17E-03	
AP	ONS-4	416948008	2/15/2017	BETA	2.78E-02	1.59E-03	1.16E-03	
AP	ONS-5	416948009	2/15/2017	BETA	2.31E-02	1.47E-03	1.17E-03	
AP	ONS-6	416948010	2/15/2017	BETA	2.77E-02	1.60E-03	1.17E-03	
AP	NBF	417306001	2/22/2017	BETA	3.24E-02	1.74E-03	1.17E-03	
AP	SBN	417306002	2/22/2017	BETA	3.22E-02	1.76E-03	1.20E-03	
AP	DOW	417306003	2/22/2017	BETA	2.73E-02	1.62E-03	1.20E-03	
AP	COL	417306004	2/22/2017	BETA	2.87E-02	1.65E-03	1.19E-03	
AP	ONS-1	417306005	2/22/2017	BETA	3.23E-02	1.75E-03	1.18E-03	
AP	ONS-2	417306006	2/22/2017	BETA	3.48E-02	1.83E-03	1.21E-03	
AP	ONS-3	417306007	2/22/2017	BETA	3.32E-02	1.78E-03	1.19E-03	
AP	ONS-4	417306008	2/22/2017	BETA	3.51E-02	1.82E-03	1.18E-03	
AP	ONS-5	417306009	2/22/2017	BETA	3.12E-02	1.73E-03	1.20E-03	
AP	ONS-6	417306010	2/22/2017	BETA	2.78E-02	1.63E-03	1.19E-03	
AP	NBF	417740001	3/1/2017	BETA	2.50E-02	1.49E-03	1.07E-03	
AP	SBN	417740002	3/1/2017	BETA	2.21E-02	1.47E-03	1.17E-03	
AP	DOW	417740003	3/1/2017	BETA	2.26E-02	1.46E-03	1.13E-03	
AP	COL	417740004	3/1/2017	BETA	2.46E-02	1.47E-03	1.05E-03	
AP	ONS-1	417740005	3/1/2017	BETA	2.76E-02	1.60E-03	1.12E-03	
AP	ONS-2	417740006	3/1/2017	BETA	2.34E-02	1.44E-03	1.06E-03	
AP	ONS-3	417740007	3/1/2017	BETA	2.52E-02	1.54E-03	1.13E-03	
AP	ONS-4	417740008	3/1/2017	BETA	2.20E-02	1.44E-03	1.12E-03	
AP	ONS-5	417740009	3/1/2017	BETA	2.56E-02	1.61E-03	1.22E-03	
AP	ONS-6	417740010	3/1/2017	BETA	2.31E-02	1.47E-03	1.12E-03	
AP	NBF	418262001	3/8/2017	BETA	2.01E-02	1.34E-03	1.17E-03	
AP	SBN	418262002	3/8/2017	BETA	2.19E-02	1.41E-03	1.19E-03	
AP	DOW	418262003	3/8/2017	BETA	1.86E-02	1.30E-03	1.18E-03	
AP	COL	418262004	3/8/2017	BETA	1.89E-02	1.30E-03	1.17E-03	
AP	ONS-1	418262005	3/8/2017	BETA	1.86E-02	1.33E-03	1.23E-03	
AP	ONS-2	418262006	3/8/2017	BETA	2.14E-02	1.37E-03	1.14E-03	
AP	ONS-3	418262007	3/8/2017	BETA	2.08E-02	1.39E-03	1.22E-03	
AP	ONS-4	418262008	3/8/2017	BETA	1.90E-02	1.33E-03	1.20E-03	
AP	ONS-5	418262009	3/8/2017	BETA	2.19E-02	1.43E-03	1.22E-03	
AP	ONS-6	418262010	3/8/2017	BETA	2.16E-02	1.42E-03	1.21E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	418792001	3/15/2017	BETA	1.88E-02	1.30E-03	1.17E-03	
AP	SBN	418792002	3/15/2017	BETA	1.96E-02	1.33E-03	1.18E-03	
AP	DOW	418792003	3/15/2017	BETA	2.06E-02	1.37E-03	1.19E-03	
AP	COL	418792004	3/15/2017	BETA	2.14E-02	1.42E-03	1.24E-03	
AP	ONS-1	418792005	3/15/2017	BETA	2.15E-02	1.41E-03	1.22E-03	
AP	ONS-2	418792006	3/15/2017	BETA	2.15E-02	1.41E-03	1.21E-03	
AP	ONS-3	418792007	3/15/2017	BETA	2.30E-02	1.46E-03	1.22E-03	
AP	ONS-4	418792008	3/15/2017	BETA	2.05E-02	1.38E-03	1.21E-03	
AP	ONS-5	418792009	3/15/2017	BETA	1.86E-02	1.29E-03	1.17E-03	
AP	ONS-6	418792010	3/15/2017	BETA	2.14E-02	1.41E-03	1.22E-03	
AP	NBF	419227001	3/22/2017	BETA	2.57E-02	1.55E-03	1.25E-03	
AP	SBN	419227002	3/22/2017	BETA	2.01E-02	1.43E-03	1.35E-03	
AP	DOW	419227003	3/22/2017	BETA	1.99E-02	1.38E-03	1.27E-03	
AP	COL	419227004	3/22/2017	BETA	2.04E-02	1.40E-03	1.28E-03	
AP	ONS-1	419227005	3/22/2017	BETA	2.55E-02	1.56E-03	1.29E-03	
AP	ONS-2	419227006	3/22/2017	BETA	2.49E-02	1.52E-03	1.24E-03	
AP	ONS-3	419227007	3/22/2017	BETA	1.99E-02	1.42E-03	1.35E-03	
AP	ONS-4	419227008	3/22/2017	BETA	2.48E-02	1.52E-03	1.25E-03	
AP	ONS-5	419227009	3/22/2017	BETA	2.19E-02	1.45E-03	1.29E-03	
AP	ONS-6	419227010	3/22/2017	BETA	2.54E-02	1.61E-03	1.37E-03	
AP	NBF	419655001	3/29/2017	BETA	2.08E-02	1.41E-03	1.22E-03	
AP	SBN	419655002	3/29/2017	BETA	1.97E-02	1.44E-03	1.33E-03	
AP	DOW	419655003	3/29/2017	BETA	1.94E-02	1.38E-03	1.24E-03	
AP	COL	419655004	3/29/2017	BETA	2.06E-02	1.41E-03	1.24E-03	
AP	ONS-1	419655005	3/29/2017	BETA	1.91E-02	1.37E-03	1.24E-03	
AP	ONS-2	419655006	3/29/2017	BETA	1.72E-02	1.31E-03	1.25E-03	
AP	ONS-3	419655007	3/29/2017	BETA	2.08E-02	1.45E-03	1.28E-03	
AP	ONS-4	419655008	3/29/2017	BETA	1.75E-02	1.28E-03	1.19E-03	
AP	ONS-5	419655009	3/29/2017	BETA	1.84E-02	1.35E-03	1.25E-03	
AP	ONS-6	419655010	3/29/2017	BETA	1.79E-02	1.33E-03	1.26E-03	
AP	NBF	420833001	3/29/2017	Ac-228	2.46E-04	4.32E-04	1.50E-03	U
AP	NBF	420833001	3/29/2017	Ag-108m	-2.61E-05	6.88E-05	2.18E-04	U
AP	NBF	420833001	3/29/2017	Ag-110m	-6.38E-05	1.44E-04	4.56E-04	U
AP	NBF	420833001	3/29/2017	Ba-140	8.17E-03	1.64E-02	5.58E-02	U
AP	NBF	420833001	3/29/2017	Be-7	1.27E-01	9.07E-03	5.42E-03	
AP	NBF	420833001	3/29/2017	Ce-141	-8.39E-04	4.93E-04	1.23E-03	U
AP	NBF	420833001	3/29/2017	Ce-144	-7.15E-04	5.42E-04	1.49E-03	U
AP	NBF	420833001	3/29/2017	Co-57	6.99E-05	6.14E-05	2.05E-04	U
AP	NBF	420833001	3/29/2017	Co-58	-2.53E-05	2.02E-04	6.77E-04	U
AP	NBF	420833001	3/29/2017	Co-60	2.26E-04	1.32E-04	5.02E-04	U
AP	NBF	420833001	3/29/2017	Cr-51	-5.69E-03	3.76E-03	1.02E-02	U
AP	NBF	420833001	3/29/2017	Cs-134	-1.82E-05	8.38E-05	2.54E-04	U
AP	NBF	420833001	3/29/2017	Cs-137	1.18E-05	1.04E-04	3.38E-04	U
AP	NBF	420833001	3/29/2017	Fe-59	-1.11E-04	6.08E-04	1.97E-03	U
AP	NBF	420833001	3/29/2017	I-131	9.00E-02	4.99E-02	1.74E-01	U
AP	NBF	420833001	3/29/2017	K-40	-1.03E-03	1.69E-03	6.39E-03	U
AP	NBF	420833001	3/29/2017	La-140	1.21E-03	6.71E-03	2.24E-02	U
AP	NBF	420833001	3/29/2017	Mn-54	1.17E-04	1.06E-04	3.90E-04	U
AP	NBF	420833001	3/29/2017	Nb-95	-2.44E-05	2.30E-04	7.20E-04	U
AP	NBF	420833001	3/29/2017	Ru-103	-1.63E-04	3.19E-04	9.88E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	420833001	3/29/2017	Ru-106	-4.86E-04	1.04E-03	2.73E-03	U
AP	NBF	420833001	3/29/2017	Sb-124	1.49E-04	3.82E-04	1.37E-03	U
AP	NBF	420833001	3/29/2017	Sb-125	-1.70E-04	2.42E-04	7.40E-04	U
AP	NBF	420833001	3/29/2017	Se-75	-1.14E-05	1.56E-04	5.30E-04	U
AP	NBF	420833001	3/29/2017	Th-228	-7.89E-05	1.70E-04	5.72E-04	U
AP	NBF	420833001	3/29/2017	Zn-65	6.69E-05	2.22E-04	7.71E-04	U
AP	NBF	420833001	3/29/2017	Zr-95	8.14E-05	3.84E-04	1.20E-03	U
AP	SBN	420833002	3/29/2017	Ac-228	4.52E-05	4.95E-04	1.73E-03	U
AP	SBN	420833002	3/29/2017	Ag-108m	1.33E-04	7.56E-05	2.45E-04	U
AP	SBN	420833002	3/29/2017	Ag-110m	-1.48E-04	1.87E-04	4.40E-04	U
AP	SBN	420833002	3/29/2017	Ba-140	-3.02E-02	1.74E-02	4.47E-02	U
AP	SBN	420833002	3/29/2017	Be-7	1.02E-01	8.40E-03	6.12E-03	
AP	SBN	420833002	3/29/2017	Ce-141	-5.15E-04	5.40E-04	1.57E-03	U
AP	SBN	420833002	3/29/2017	Ce-144	4.38E-05	4.91E-04	1.58E-03	U
AP	SBN	420833002	3/29/2017	Co-57	-5.93E-05	7.07E-05	2.11E-04	U
AP	SBN	420833002	3/29/2017	Co-58	4.64E-05	1.22E-04	3.77E-04	U
AP	SBN	420833002	3/29/2017	Co-60	2.35E-05	1.22E-04	4.06E-04	U
AP	SBN	420833002	3/29/2017	Cr-51	-1.70E-03	3.91E-03	1.24E-02	U
AP	SBN	420833002	3/29/2017	Cs-134	-1.30E-05	1.03E-04	3.30E-04	U
AP	SBN	420833002	3/29/2017	Cs-137	1.87E-05	9.15E-05	3.08E-04	U
AP	SBN	420833002	3/29/2017	Fe-59	2.40E-04	5.70E-04	1.97E-03	U
AP	SBN	420833002	3/29/2017	I-131	4.19E-02	5.05E-02	1.56E-01	U
AP	SBN	420833002	3/29/2017	K-40	1.01E-03	1.60E-03	5.80E-03	U
AP	SBN	420833002	3/29/2017	La-140	-6.39E-03	6.28E-03	1.68E-02	U
AP	SBN	420833002	3/29/2017	Mn-54	-6.68E-05	1.14E-04	3.41E-04	U
AP	SBN	420833002	3/29/2017	Nb-95	3.12E-05	2.45E-04	7.09E-04	U
AP	SBN	420833002	3/29/2017	Ru-103	-2.59E-04	2.02E-04	5.48E-04	U
AP	SBN	420833002	3/29/2017	Ru-106	1.27E-03	1.08E-03	3.76E-03	U
AP	SBN	420833002	3/29/2017	Sb-124	-9.99E-04	6.34E-04	1.40E-03	U
AP	SBN	420833002	3/29/2017	Sb-125	-3.95E-04	2.96E-04	6.66E-04	U
AP	SBN	420833002	3/29/2017	Se-75	1.61E-04	1.52E-04	5.26E-04	U
AP	SBN	420833002	3/29/2017	Th-228	-6.18E-06	1.56E-04	5.47E-04	U
AP	SBN	420833002	3/29/2017	Zn-65	-2.89E-04	2.71E-04	7.51E-04	U
AP	SBN	420833002	3/29/2017	Zr-95	1.38E-04	3.66E-04	1.04E-03	U
AP	DOW	420833003	3/29/2017	Ac-228	9.05E-04	6.49E-04	2.45E-03	U
AP	DOW	420833003	3/29/2017	Ag-108m	1.21E-04	1.04E-04	3.86E-04	U
AP	DOW	420833003	3/29/2017	Ag-110m	2.25E-04	1.49E-04	6.49E-04	U
AP	DOW	420833003	3/29/2017	Ba-140	-7.54E-04	2.52E-02	8.43E-02	U
AP	DOW	420833003	3/29/2017	Be-7	1.23E-01	1.18E-02	9.22E-03	
AP	DOW	420833003	3/29/2017	Ce-141	-3.20E-04	4.40E-04	1.32E-03	U
AP	DOW	420833003	3/29/2017	Ce-144	-5.06E-04	5.60E-04	1.68E-03	U
AP	DOW	420833003	3/29/2017	Co-57	-4.34E-05	7.14E-05	2.24E-04	U
AP	DOW	420833003	3/29/2017	Co-58	-3.29E-04	2.69E-04	6.33E-04	U
AP	DOW	420833003	3/29/2017	Co-60	-1.30E-06	1.53E-04	5.11E-04	U
AP	DOW	420833003	3/29/2017	Cr-51	5.40E-04	5.15E-03	1.64E-02	U
AP	DOW	420833003	3/29/2017	Cs-134	3.73E-05	1.52E-04	5.18E-04	U
AP	DOW	420833003	3/29/2017	Cs-137	3.36E-05	1.57E-04	5.33E-04	U
AP	DOW	420833003	3/29/2017	Fe-59	-1.48E-03	1.03E-03	2.36E-03	U
AP	DOW	420833003	3/29/2017	I-131	1.49E-02	4.89E-02	1.60E-01	U
AP	DOW	420833003	3/29/2017	K-40	-1.19E-03	1.80E-03	6.49E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	420833003	3/29/2017	La-140	5.31E-03	1.20E-02	4.29E-02	U
AP	DOW	420833003	3/29/2017	Mn-54	1.45E-05	1.22E-04	4.07E-04	U
AP	DOW	420833003	3/29/2017	Nb-95	-7.11E-05	1.82E-04	5.24E-04	U
AP	DOW	420833003	3/29/2017	Ru-103	1.76E-04	3.58E-04	1.28E-03	U
AP	DOW	420833003	3/29/2017	Ru-106	5.50E-04	1.45E-03	5.05E-03	U
AP	DOW	420833003	3/29/2017	Sb-124	-7.42E-04	7.91E-04	1.58E-03	U
AP	DOW	420833003	3/29/2017	Sb-125	-3.78E-04	2.57E-04	6.00E-04	U
AP	DOW	420833003	3/29/2017	Se-75	-2.01E-05	2.16E-04	6.91E-04	U
AP	DOW	420833003	3/29/2017	Th-228	3.49E-04	3.67E-04	7.74E-04	U
AP	DOW	420833003	3/29/2017	Zn-65	3.37E-04	3.19E-04	1.28E-03	U
AP	DOW	420833003	3/29/2017	Zr-95	-1.92E-04	4.04E-04	1.16E-03	U
AP	COL	420833004	3/29/2017	Ac-228	-1.55E-04	4.60E-04	1.62E-03	U
AP	COL	420833004	3/29/2017	Ag-108m	-3.27E-05	9.92E-05	3.18E-04	U
AP	COL	420833004	3/29/2017	Ag-110m	5.79E-05	2.00E-04	6.71E-04	U
AP	COL	420833004	3/29/2017	Ba-140	-1.76E-02	1.71E-02	4.57E-02	U
AP	COL	420833004	3/29/2017	Be-7	1.22E-01	8.64E-03	7.86E-03	
AP	COL	420833004	3/29/2017	Ce-141	-4.79E-04	5.65E-04	1.81E-03	U
AP	COL	420833004	3/29/2017	Ce-144	-7.44E-04	5.85E-04	1.77E-03	U
AP	COL	420833004	3/29/2017	Co-57	-9.71E-05	7.03E-05	2.08E-04	U
AP	COL	420833004	3/29/2017	Co-58	-4.17E-04	2.55E-04	5.31E-04	U
AP	COL	420833004	3/29/2017	Co-60	2.06E-04	1.12E-04	4.72E-04	U
AP	COL	420833004	3/29/2017	Cr-51	-3.08E-03	4.88E-03	1.54E-02	U
AP	COL	420833004	3/29/2017	Cs-134	1.82E-04	1.68E-04	5.94E-04	U
AP	COL	420833004	3/29/2017	Cs-137	-4.93E-05	1.20E-04	3.66E-04	U
AP	COL	420833004	3/29/2017	Fe-59	1.58E-04	5.39E-04	1.83E-03	U
AP	COL	420833004	3/29/2017	I-131	-9.49E-03	5.86E-02	1.72E-01	U
AP	COL	420833004	3/29/2017	K-40	-3.38E-04	1.83E-03	6.52E-03	U
AP	COL	420833004	3/29/2017	La-140	-2.10E-03	9.65E-03	3.11E-02	U
AP	COL	420833004	3/29/2017	Mn-54	-6.67E-05	1.17E-04	3.33E-04	U
AP	COL	420833004	3/29/2017	Nb-95	-1.44E-04	2.90E-04	8.54E-04	U
AP	COL	420833004	3/29/2017	Ru-103	1.20E-04	2.90E-04	1.01E-03	U
AP	COL	420833004	3/29/2017	Ru-106	1.47E-03	1.16E-03	4.20E-03	U
AP	COL	420833004	3/29/2017	Sb-124	5.84E-04	7.30E-04	2.76E-03	U
AP	COL	420833004	3/29/2017	Sb-125	1.15E-04	3.00E-04	1.03E-03	U
AP	COL	420833004	3/29/2017	Se-75	6.98E-06	1.98E-04	6.71E-04	U
AP	COL	420833004	3/29/2017	Th-228	-3.38E-04	2.06E-04	5.93E-04	U
AP	COL	420833004	3/29/2017	Zn-65	-2.11E-04	3.26E-04	8.96E-04	U
AP	COL	420833004	3/29/2017	Zr-95	1.57E-04	4.17E-04	1.42E-03	U
AP	ONS-1	420833005	3/29/2017	Ac-228	-1.52E-04	4.19E-04	1.28E-03	U
AP	ONS-1	420833005	3/29/2017	Ag-108m	7.84E-05	6.94E-05	2.50E-04	U
AP	ONS-1	420833005	3/29/2017	Ag-110m	-1.49E-05	1.59E-04	5.36E-04	U
AP	ONS-1	420833005	3/29/2017	Ba-140	-2.93E-03	1.42E-02	4.51E-02	U
AP	ONS-1	420833005	3/29/2017	Be-7	1.13E-01	8.99E-03	5.05E-03	
AP	ONS-1	420833005	3/29/2017	Ce-141	-1.17E-03	5.97E-04	1.42E-03	U
AP	ONS-1	420833005	3/29/2017	Ce-144	4.63E-04	5.05E-04	1.69E-03	U
AP	ONS-1	420833005	3/29/2017	Co-57	-5.86E-05	6.47E-05	1.89E-04	U
AP	ONS-1	420833005	3/29/2017	Co-58	-7.26E-05	1.40E-04	4.28E-04	U
AP	ONS-1	420833005	3/29/2017	Co-60	-4.05E-06	1.10E-04	3.56E-04	U
AP	ONS-1	420833005	3/29/2017	Cr-51	3.07E-03	4.44E-03	1.55E-02	U
AP	ONS-1	420833005	3/29/2017	Cs-134	1.31E-04	1.55E-04	4.90E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	420833005	3/29/2017	Cs-137	-9.97E-05	1.10E-04	3.03E-04	U
AP	ONS-1	420833005	3/29/2017	Fe-59	4.00E-04	4.01E-04	1.59E-03	U
AP	ONS-1	420833005	3/29/2017	I-131	3.33E-02	4.18E-02	1.48E-01	U
AP	ONS-1	420833005	3/29/2017	K-40	8.45E-04	1.59E-03	6.38E-03	U
AP	ONS-1	420833005	3/29/2017	La-140	-6.53E-03	6.31E-03	1.33E-02	U
AP	ONS-1	420833005	3/29/2017	Mn-54	-5.87E-05	1.14E-04	3.58E-04	U
AP	ONS-1	420833005	3/29/2017	Nb-95	3.90E-05	2.45E-04	7.72E-04	U
AP	ONS-1	420833005	3/29/2017	Ru-103	-1.28E-04	3.04E-04	9.49E-04	U
AP	ONS-1	420833005	3/29/2017	Ru-106	5.15E-05	1.05E-03	3.05E-03	U
AP	ONS-1	420833005	3/29/2017	Sb-124	1.94E-04	6.01E-04	2.06E-03	U
AP	ONS-1	420833005	3/29/2017	Sb-125	1.22E-05	2.29E-04	6.86E-04	U
AP	ONS-1	420833005	3/29/2017	Se-75	1.19E-06	1.53E-04	5.23E-04	U
AP	ONS-1	420833005	3/29/2017	Th-228	-4.55E-04	2.05E-04	5.36E-04	U
AP	ONS-1	420833005	3/29/2017	Zn-65	-3.34E-04	2.54E-04	5.76E-04	U
AP	ONS-1	420833005	3/29/2017	Zr-95	1.23E-04	3.59E-04	1.20E-03	U
AP	ONS-2	420833006	3/29/2017	Ac-228	-3.57E-04	4.83E-04	1.58E-03	U
AP	ONS-2	420833006	3/29/2017	Ag-108m	5.41E-05	7.53E-05	2.62E-04	U
AP	ONS-2	420833006	3/29/2017	Ag-110m	-9.20E-05	1.42E-04	4.31E-04	U
AP	ONS-2	420833006	3/29/2017	Ba-140	1.06E-02	1.66E-02	5.71E-02	U
AP	ONS-2	420833006	3/29/2017	Be-7	1.13E-01	8.45E-03	4.22E-03	
AP	ONS-2	420833006	3/29/2017	Ce-141	-1.22E-03	5.80E-04	1.33E-03	U
AP	ONS-2	420833006	3/29/2017	Ce-144	-4.89E-04	5.21E-04	1.52E-03	U
AP	ONS-2	420833006	3/29/2017	Co-57	4.90E-05	5.83E-05	1.94E-04	U
AP	ONS-2	420833006	3/29/2017	Co-58	5.32E-05	2.31E-04	7.14E-04	U
AP	ONS-2	420833006	3/29/2017	Co-60	-1.41E-04	1.31E-04	3.36E-04	U
AP	ONS-2	420833006	3/29/2017	Cr-51	-3.06E-03	4.07E-03	1.28E-02	U
AP	ONS-2	420833006	3/29/2017	Cs-134	2.14E-04	1.19E-04	4.30E-04	U
AP	ONS-2	420833006	3/29/2017	Cs-137	-2.27E-06	1.03E-04	3.31E-04	U
AP	ONS-2	420833006	3/29/2017	Fe-59	-3.09E-04	5.37E-04	1.60E-03	U
AP	ONS-2	420833006	3/29/2017	I-131	-4.55E-02	4.02E-02	1.15E-01	U
AP	ONS-2	420833006	3/29/2017	K-40	-1.89E-03	1.65E-03	5.87E-03	U
AP	ONS-2	420833006	3/29/2017	La-140	-3.15E-03	5.86E-03	1.62E-02	U
AP	ONS-2	420833006	3/29/2017	Mn-54	-1.49E-05	8.38E-05	2.77E-04	U
AP	ONS-2	420833006	3/29/2017	Nb-95	6.04E-05	2.75E-04	7.98E-04	U
AP	ONS-2	420833006	3/29/2017	Ru-103	-8.13E-05	2.71E-04	8.58E-04	U
AP	ONS-2	420833006	3/29/2017	Ru-106	-5.24E-04	8.42E-04	2.46E-03	U
AP	ONS-2	420833006	3/29/2017	Sb-124	-7.34E-04	5.69E-04	1.08E-03	U
AP	ONS-2	420833006	3/29/2017	Sb-125	3.03E-04	2.63E-04	9.19E-04	U
AP	ONS-2	420833006	3/29/2017	Se-75	-1.46E-05	1.55E-04	5.24E-04	U
AP	ONS-2	420833006	3/29/2017	Th-228	1.06E-04	2.46E-04	5.77E-04	U
AP	ONS-2	420833006	3/29/2017	Zn-65	-2.90E-04	2.46E-04	6.16E-04	U
AP	ONS-2	420833006	3/29/2017	Zr-95	4.08E-04	3.65E-04	1.29E-03	U
AP	ONS-3	420833007	3/29/2017	Ac-228	4.46E-04	4.57E-04	1.66E-03	U
AP	ONS-3	420833007	3/29/2017	Ag-108m	-7.22E-06	8.93E-05	2.94E-04	U
AP	ONS-3	420833007	3/29/2017	Ag-110m	-9.83E-05	1.74E-04	4.89E-04	U
AP	ONS-3	420833007	3/29/2017	Ba-140	3.26E-03	2.04E-02	6.80E-02	U
AP	ONS-3	420833007	3/29/2017	Be-7	1.21E-01	9.56E-03	6.85E-03	
AP	ONS-3	420833007	3/29/2017	Ce-141	-5.95E-05	5.06E-04	1.57E-03	U
AP	ONS-3	420833007	3/29/2017	Ce-144	-1.07E-03	5.77E-04	1.31E-03	U
AP	ONS-3	420833007	3/29/2017	Co-57	4.68E-05	7.55E-05	2.47E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	420833007	3/29/2017	Co-58	2.78E-04	2.33E-04	8.37E-04	U
AP	ONS-3	420833007	3/29/2017	Co-60	3.86E-06	9.77E-05	3.28E-04	U
AP	ONS-3	420833007	3/29/2017	Cr-51	-5.76E-03	4.82E-03	1.32E-02	U
AP	ONS-3	420833007	3/29/2017	Cs-134	-3.56E-05	1.29E-04	3.93E-04	U
AP	ONS-3	420833007	3/29/2017	Cs-137	-5.97E-05	9.28E-05	2.64E-04	U
AP	ONS-3	420833007	3/29/2017	Fe-59	1.15E-03	7.06E-04	2.73E-03	U
AP	ONS-3	420833007	3/29/2017	I-131	-1.04E-02	4.79E-02	1.57E-01	U
AP	ONS-3	420833007	3/29/2017	K-40	-8.06E-04	1.27E-03	4.64E-03	U
AP	ONS-3	420833007	3/29/2017	La-140	-3.30E-03	7.23E-03	2.10E-02	U
AP	ONS-3	420833007	3/29/2017	Mn-54	-1.29E-04	1.34E-04	3.47E-04	U
AP	ONS-3	420833007	3/29/2017	Nb-95	4.61E-05	1.91E-04	6.38E-04	U
AP	ONS-3	420833007	3/29/2017	Ru-103	-3.89E-05	3.15E-04	1.02E-03	U
AP	ONS-3	420833007	3/29/2017	Ru-106	2.60E-03	1.16E-03	2.42E-03	UI
AP	ONS-3	420833007	3/29/2017	Sb-124	-6.86E-04	5.24E-04	1.33E-03	U
AP	ONS-3	420833007	3/29/2017	Sb-125	1.84E-04	2.40E-04	8.50E-04	U
AP	ONS-3	420833007	3/29/2017	Se-75	-9.45E-05	1.60E-04	5.13E-04	U
AP	ONS-3	420833007	3/29/2017	Th-228	8.58E-05	1.75E-04	5.92E-04	U
AP	ONS-3	420833007	3/29/2017	Zn-65	6.67E-05	2.74E-04	9.57E-04	U
AP	ONS-3	420833007	3/29/2017	Zr-95	-2.29E-04	4.13E-04	1.20E-03	U
AP	ONS-4	420833008	3/29/2017	Ac-228	-9.80E-04	5.58E-04	1.37E-03	U
AP	ONS-4	420833008	3/29/2017	Ag-108m	1.11E-04	9.77E-05	3.46E-04	U
AP	ONS-4	420833008	3/29/2017	Ag-110m	7.63E-05	2.35E-04	7.83E-04	U
AP	ONS-4	420833008	3/29/2017	Ba-140	-1.21E-02	2.08E-02	6.31E-02	U
AP	ONS-4	420833008	3/29/2017	Be-7	1.20E-01	9.50E-03	7.15E-03	
AP	ONS-4	420833008	3/29/2017	Ce-141	-1.25E-04	4.33E-04	1.45E-03	U
AP	ONS-4	420833008	3/29/2017	Ce-144	-3.25E-05	5.41E-04	1.85E-03	U
AP	ONS-4	420833008	3/29/2017	Co-57	1.43E-05	6.77E-05	2.36E-04	U
AP	ONS-4	420833008	3/29/2017	Co-58	9.27E-05	2.05E-04	7.08E-04	U
AP	ONS-4	420833008	3/29/2017	Co-60	-3.03E-05	1.06E-04	3.33E-04	U
AP	ONS-4	420833008	3/29/2017	Cr-51	1.24E-03	4.78E-03	1.63E-02	U
AP	ONS-4	420833008	3/29/2017	Cs-134	9.65E-05	1.30E-04	4.60E-04	U
AP	ONS-4	420833008	3/29/2017	Cs-137	7.05E-05	1.18E-04	4.10E-04	U
AP	ONS-4	420833008	3/29/2017	Fe-59	4.92E-05	7.12E-04	2.29E-03	U
AP	ONS-4	420833008	3/29/2017	I-131	-7.01E-02	5.18E-02	1.40E-01	U
AP	ONS-4	420833008	3/29/2017	K-40	9.34E-06	1.61E-03	5.97E-03	U
AP	ONS-4	420833008	3/29/2017	La-140	1.13E-02	6.61E-03	2.83E-02	U
AP	ONS-4	420833008	3/29/2017	Mn-54	6.27E-05	9.35E-05	3.39E-04	U
AP	ONS-4	420833008	3/29/2017	Nb-95	-8.41E-05	2.20E-04	6.41E-04	U
AP	ONS-4	420833008	3/29/2017	Ru-103	2.45E-06	3.37E-04	9.95E-04	U
AP	ONS-4	420833008	3/29/2017	Ru-106	-1.12E-03	9.41E-04	2.31E-03	U
AP	ONS-4	420833008	3/29/2017	Sb-124	-5.54E-04	5.91E-04	1.39E-03	U
AP	ONS-4	420833008	3/29/2017	Sb-125	8.84E-05	2.30E-04	7.95E-04	U
AP	ONS-4	420833008	3/29/2017	Se-75	-1.06E-05	1.82E-04	5.47E-04	U
AP	ONS-4	420833008	3/29/2017	Th-228	-1.79E-04	1.73E-04	5.46E-04	U
AP	ONS-4	420833008	3/29/2017	Zn-65	2.67E-04	2.82E-04	1.04E-03	U
AP	ONS-4	420833008	3/29/2017	Zr-95	3.55E-04	3.73E-04	1.36E-03	U
AP	ONS-5	420833009	3/29/2017	Ac-228	4.23E-04	4.50E-04	1.59E-03	U
AP	ONS-5	420833009	3/29/2017	Ag-108m	-9.48E-05	8.81E-05	2.54E-04	U
AP	ONS-5	420833009	3/29/2017	Ag-110m	2.65E-05	1.75E-04	6.08E-04	U
AP	ONS-5	420833009	3/29/2017	Ba-140	1.36E-02	1.35E-02	4.90E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	420833009	3/29/2017	Be-7	1.12E-01	9.28E-03	4.69E-03	
AP	ONS-5	420833009	3/29/2017	Ce-141	1.17E-03	9.83E-04	1.39E-03	U
AP	ONS-5	420833009	3/29/2017	Ce-144	1.94E-04	4.95E-04	1.63E-03	U
AP	ONS-5	420833009	3/29/2017	Co-57	-8.80E-05	6.92E-05	1.92E-04	U
AP	ONS-5	420833009	3/29/2017	Co-58	6.01E-06	2.03E-04	6.93E-04	U
AP	ONS-5	420833009	3/29/2017	Co-60	1.29E-05	6.77E-05	2.35E-04	U
AP	ONS-5	420833009	3/29/2017	Cr-51	1.03E-02	5.03E-03	1.53E-02	U
AP	ONS-5	420833009	3/29/2017	Cs-134	8.76E-05	1.34E-04	4.56E-04	U
AP	ONS-5	420833009	3/29/2017	Cs-137	1.81E-04	9.37E-05	3.27E-04	U
AP	ONS-5	420833009	3/29/2017	Fe-59	9.71E-04	7.29E-04	2.70E-03	U
AP	ONS-5	420833009	3/29/2017	I-131	5.97E-02	5.08E-02	1.79E-01	U
AP	ONS-5	420833009	3/29/2017	K-40	-1.36E-03	1.42E-03	4.88E-03	U
AP	ONS-5	420833009	3/29/2017	La-140	-1.27E-02	8.06E-03	1.32E-02	U
AP	ONS-5	420833009	3/29/2017	Mn-54	6.04E-05	1.08E-04	3.89E-04	U
AP	ONS-5	420833009	3/29/2017	Nb-95	-3.25E-04	2.44E-04	5.56E-04	U
AP	ONS-5	420833009	3/29/2017	Ru-103	1.46E-04	3.04E-04	1.04E-03	U
AP	ONS-5	420833009	3/29/2017	Ru-106	-4.86E-04	9.02E-04	2.67E-03	U
AP	ONS-5	420833009	3/29/2017	Sb-124	-5.68E-04	4.23E-04	0.00E+00	U
AP	ONS-5	420833009	3/29/2017	Sb-125	3.65E-04	2.66E-04	9.43E-04	U
AP	ONS-5	420833009	3/29/2017	Se-75	-1.06E-04	1.77E-04	5.77E-04	U
AP	ONS-5	420833009	3/29/2017	Th-228	5.22E-05	1.74E-04	6.17E-04	U
AP	ONS-5	420833009	3/29/2017	Zn-65	-3.36E-04	2.52E-04	5.65E-04	U
AP	ONS-5	420833009	3/29/2017	Zr-95	-1.92E-04	3.48E-04	9.95E-04	U
AP	ONS-6	420833010	3/29/2017	Ac-228	1.03E-03	5.79E-04	1.70E-03	U
AP	ONS-6	420833010	3/29/2017	Ag-108m	-1.05E-05	8.16E-05	2.58E-04	U
AP	ONS-6	420833010	3/29/2017	Ag-110m	-3.75E-06	1.58E-04	5.07E-04	U
AP	ONS-6	420833010	3/29/2017	Ba-140	-5.02E-03	1.60E-02	5.26E-02	U
AP	ONS-6	420833010	3/29/2017	Be-7	1.05E-01	7.97E-03	5.84E-03	
AP	ONS-6	420833010	3/29/2017	Ce-141	1.28E-04	5.09E-04	1.52E-03	U
AP	ONS-6	420833010	3/29/2017	Ce-144	4.34E-04	5.50E-04	1.82E-03	U
AP	ONS-6	420833010	3/29/2017	Co-57	-6.36E-05	6.28E-05	1.82E-04	U
AP	ONS-6	420833010	3/29/2017	Co-58	2.71E-04	1.62E-04	5.85E-04	U
AP	ONS-6	420833010	3/29/2017	Co-60	1.13E-04	1.09E-04	3.95E-04	U
AP	ONS-6	420833010	3/29/2017	Cr-51	1.00E-03	4.08E-03	1.36E-02	U
AP	ONS-6	420833010	3/29/2017	Cs-134	-5.30E-05	1.17E-04	3.61E-04	U
AP	ONS-6	420833010	3/29/2017	Cs-137	-6.15E-05	9.93E-05	3.06E-04	U
AP	ONS-6	420833010	3/29/2017	Fe-59	1.20E-04	4.75E-04	1.63E-03	U
AP	ONS-6	420833010	3/29/2017	I-131	1.60E-01	9.30E-02	1.20E-01	UI
AP	ONS-6	420833010	3/29/2017	K-40	-1.80E-03	1.48E-03	4.33E-03	U
AP	ONS-6	420833010	3/29/2017	La-140	-2.01E-03	6.62E-03	2.11E-02	U
AP	ONS-6	420833010	3/29/2017	Mn-54	-2.46E-04	1.22E-04	2.46E-04	U
AP	ONS-6	420833010	3/29/2017	Nb-95	3.00E-05	2.15E-04	7.09E-04	U
AP	ONS-6	420833010	3/29/2017	Ru-103	5.00E-04	3.21E-04	1.13E-03	U
AP	ONS-6	420833010	3/29/2017	Ru-106	-7.84E-04	9.46E-04	2.86E-03	U
AP	ONS-6	420833010	3/29/2017	Sb-124	6.02E-04	5.88E-04	2.17E-03	U
AP	ONS-6	420833010	3/29/2017	Sb-125	5.20E-04	3.04E-04	8.32E-04	U
AP	ONS-6	420833010	3/29/2017	Se-75	1.73E-04	1.62E-04	5.59E-04	U
AP	ONS-6	420833010	3/29/2017	Th-228	2.47E-04	3.10E-04	6.54E-04	U
AP	ONS-6	420833010	3/29/2017	Zn-65	-1.08E-07	2.36E-04	7.80E-04	U
AP	ONS-6	420833010	3/29/2017	Zr-95	3.89E-04	2.90E-04	1.05E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	420234001	4/5/2017	BETA	1.64E-02	1.26E-03	1.17E-03	
AP	SBN	420234002	4/5/2017	BETA	1.65E-02	1.25E-03	1.14E-03	
AP	DOW	420234003	4/5/2017	BETA	1.37E-02	1.16E-03	1.17E-03	
AP	COL	420234004	4/5/2017	BETA	1.54E-02	1.23E-03	1.18E-03	
AP	ONS-1	420234005	4/5/2017	BETA	1.53E-02	1.22E-03	1.17E-03	
AP	ONS-2	420234006	4/5/2017	BETA	1.56E-02	1.23E-03	1.16E-03	
AP	ONS-3	420234007	4/5/2017	BETA	1.38E-02	1.16E-03	1.17E-03	
AP	ONS-4	420234008	4/5/2017	BETA	1.21E-02	1.08E-03	1.13E-03	
AP	ONS-5	420234009	4/5/2017	BETA	1.52E-02	1.22E-03	1.17E-03	
AP	ONS-6	420234010	4/5/2017	BETA	1.37E-02	1.16E-03	1.17E-03	
AP	NBF	420768001	4/12/2017	BETA	1.53E-02	1.22E-03	1.22E-03	
AP	SBN	420768002	4/12/2017	BETA	1.50E-02	1.20E-03	1.20E-03	
AP	DOW	420768003	4/12/2017	BETA	1.72E-02	1.29E-03	1.23E-03	
AP	COL	420768004	4/12/2017	BETA	1.58E-02	1.21E-03	1.16E-03	
AP	ONS-1	420768005	4/12/2017	BETA	1.66E-02	1.27E-03	1.21E-03	
AP	ONS-2	420768006	4/12/2017	BETA	1.58E-02	1.19E-03	1.13E-03	
AP	ONS-3	420768007	4/12/2017	BETA	1.93E-02	1.37E-03	1.23E-03	
AP	ONS-4	420768008	4/12/2017	BETA	1.40E-02	1.15E-03	1.18E-03	
AP	ONS-5	420768009	4/12/2017	BETA	1.55E-02	1.23E-03	1.23E-03	
AP	ONS-6	420768010	4/12/2017	BETA	1.36E-02	1.15E-03	1.21E-03	
AP	NBF	421245001	4/19/2017	BETA	1.55E-02	1.24E-03	1.30E-03	
AP	SBN	421245002	4/19/2017	BETA	2.21E-02	1.46E-03	1.28E-03	
AP	DOW	421245003	4/19/2017	BETA	1.97E-02	1.39E-03	1.30E-03	
AP	COL	421245004	4/19/2017	BETA	2.24E-02	1.44E-03	1.24E-03	
AP	ONS-1	421245005	4/19/2017	BETA	1.92E-02	1.38E-03	1.31E-03	
AP	ONS-2	421245006	4/19/2017	BETA	2.37E-02	1.49E-03	1.24E-03	
AP	ONS-3	421245007	4/19/2017	BETA	2.44E-02	1.53E-03	1.29E-03	
AP	ONS-4	421245008	4/19/2017	BETA	2.27E-02	1.46E-03	1.25E-03	
AP	ONS-5	421245009	4/19/2017	BETA	2.29E-02	1.52E-03	1.35E-03	
AP	ONS-6	421245010	4/19/2017	BETA	2.06E-02	1.41E-03	1.27E-03	
AP	NBF	421995001	4/26/2017	BETA	1.90E-02	1.34E-03	1.23E-03	
AP	SBN	421995002	4/26/2017	BETA	1.77E-02	1.28E-03	1.21E-03	
AP	DOW	421995003	4/26/2017	BETA	1.68E-02	1.25E-03	1.22E-03	
AP	COL	421995004	4/26/2017	BETA	1.76E-02	1.29E-03	1.23E-03	
AP	ONS-1	421995005	4/26/2017	BETA	2.10E-02	1.39E-03	1.22E-03	
AP	ONS-2	421995006	4/26/2017	BETA	1.66E-02	1.27E-03	1.26E-03	
AP	ONS-3	421995007	4/26/2017	BETA	1.74E-02	1.31E-03	1.29E-03	
AP	ONS-4	421995008	4/26/2017	BETA	1.74E-02	1.29E-03	1.25E-03	
AP	ONS-5	421995009	4/26/2017	BETA	1.66E-02	1.32E-03	1.36E-03	
AP	ONS-6	421995010	4/26/2017	BETA	2.10E-02	1.43E-03	1.28E-03	
AP	NBF	422466001	5/3/2017	BETA	9.90E-03	9.88E-04	1.15E-03	M
AP	SBN	422466002	5/3/2017	BETA	9.16E-03	9.48E-04	1.20E-03	M
AP	DOW	422466003	5/3/2017	BETA	1.15E-02	1.06E-03	1.22E-03	
AP	COL	422466004	5/3/2017	BETA	1.17E-02	1.04E-03	1.17E-03	
AP	ONS-1	422466005	5/3/2017	BETA	1.27E-02	1.09E-03	1.20E-03	
AP	ONS-2	422466006	5/3/2017	BETA	1.24E-02	1.10E-03	1.23E-03	
AP	ONS-3	422466007	5/3/2017	BETA	1.07E-02	1.03E-03	1.24E-03	
AP	ONS-4	422466008	5/3/2017	BETA	9.63E-03	9.72E-04	1.21E-03	M
AP	ONS-5	422466009	5/3/2017	BETA	9.97E-03	1.42E-03	2.26E-03	M
AP	ONS-6	422466010	5/3/2017	BETA	8.86E-03	9.61E-04	1.26E-03	M

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	423047001	5/10/2017	BETA	2.12E-02	1.39E-03	1.13E-03	
AP	SBN	423047002	5/10/2017	BETA	2.16E-02	1.44E-03	1.19E-03	
AP	DOW	423047003	5/10/2017	BETA	1.94E-02	1.36E-03	1.18E-03	
AP	COL	423047004	5/10/2017	BETA	2.34E-02	1.49E-03	1.18E-03	
AP	ONS-1	423047005	5/10/2017	BETA	2.30E-02	1.48E-03	1.18E-03	
AP	ONS-2	423047006	5/10/2017	BETA	2.15E-02	1.39E-03	1.12E-03	
AP	ONS-3	423047007	5/10/2017	BETA	2.16E-02	1.43E-03	1.17E-03	
AP	ONS-4	423047008	5/10/2017	BETA	2.18E-02	1.42E-03	1.14E-03	
AP	ONS-5	423047009	5/10/2017	BETA	2.23E-02	1.48E-03	1.21E-03	
AP	ONS-6	423047010	5/10/2017	BETA	2.68E-02	1.58E-03	1.16E-03	
AP	NBF	423588001	5/17/2017	BETA	2.70E-02	1.57E-03	1.16E-03	
AP	SBN	423588002	5/17/2017	BETA	2.47E-02	1.54E-03	1.21E-03	
AP	DOW	423588003	5/17/2017	BETA	2.48E-02	1.51E-03	1.17E-03	
AP	COL	423588004	5/17/2017	BETA	2.46E-02	1.49E-03	1.14E-03	
AP	ONS-1	423588005	5/17/2017	BETA	2.22E-02	1.43E-03	1.16E-03	
AP	ONS-2	423588006	5/17/2017	BETA	2.39E-02	1.52E-03	1.22E-03	
AP	ONS-3	423588007	5/17/2017	BETA	2.55E-02	1.51E-03	1.13E-03	
AP	ONS-4	423588008	5/17/2017	BETA	2.91E-02	1.65E-03	1.19E-03	
AP	ONS-5	423588009	5/17/2017	BETA	2.25E-02	1.42E-03	1.13E-03	
AP	ONS-6	423588010	5/17/2017	BETA	2.38E-02	1.51E-03	1.21E-03	
AP	NBF	424160001	5/24/2017	BETA	1.44E-02	1.18E-03	1.23E-03	
AP	SBN	424160002	5/24/2017	BETA	1.70E-02	1.25E-03	1.18E-03	
AP	DOW	424160003	5/24/2017	BETA	1.95E-02	1.34E-03	1.19E-03	
AP	COL	424160004	5/24/2017	BETA	1.71E-02	1.24E-03	1.16E-03	
AP	ONS-1	424160005	5/24/2017	BETA	1.28E-02	1.11E-03	1.20E-03	
AP	ONS-2	424160006	5/24/2017	BETA	1.44E-02	1.17E-03	1.20E-03	
AP	ONS-3	424160007	5/24/2017	BETA	1.51E-02	1.19E-03	1.19E-03	
AP	ONS-4	424160008	5/24/2017	BETA	1.62E-02	1.23E-03	1.20E-03	
AP	ONS-5	424160009	5/24/2017	BETA	1.73E-02	1.24E-03	1.15E-03	
AP	ONS-6	424160010	5/24/2017	BETA	1.68E-02	1.28E-03	1.25E-03	
AP	NBF	424597001	5/31/2017	BETA	2.00E-02	1.38E-03	1.15E-03	
AP	SBN	424597002	5/31/2017	BETA	1.93E-02	1.33E-03	1.11E-03	
AP	COL	424597004	5/31/2017	BETA	1.68E-02	1.25E-03	1.12E-03	
AP	ONS-1	424597005	5/31/2017	BETA	1.83E-02	1.31E-03	1.14E-03	
AP	ONS-2	424597006	5/31/2017	BETA	1.88E-02	1.29E-03	1.07E-03	
AP	ONS-3	424597007	5/31/2017	BETA	2.01E-02	1.35E-03	1.11E-03	
AP	ONS-4	424597008	5/31/2017	BETA	1.68E-02	1.26E-03	1.14E-03	
AP	ONS-5	424597009	5/31/2017	BETA	1.64E-02	1.23E-03	1.10E-03	
AP	ONS-6	424597010	5/31/2017	BETA	1.72E-02	1.27E-03	1.13E-03	
AP	NBF	425117001	6/7/2017	BETA	2.38E-02	1.50E-03	1.19E-03	
AP	SBN	425117002	6/7/2017	BETA	2.66E-02	1.58E-03	1.19E-03	
AP	DOW	425117003	6/7/2017	BETA	2.37E-02	1.51E-03	1.22E-03	
AP	COL	425117004	6/7/2017	BETA	2.13E-02	1.40E-03	1.16E-03	
AP	ONS-1	425117005	6/7/2017	BETA	2.52E-02	1.54E-03	1.18E-03	
AP	ONS-2	425117006	6/7/2017	BETA	2.42E-02	1.52E-03	1.20E-03	
AP	ONS-3	425117007	6/7/2017	BETA	2.46E-02	1.50E-03	1.15E-03	
AP	ONS-4	425117008	6/7/2017	BETA	2.42E-02	1.51E-03	1.18E-03	
AP	ONS-5	425117009	6/7/2017	BETA	2.61E-02	1.54E-03	1.15E-03	
AP	ONS-6	425117010	6/7/2017	BETA	2.50E-02	1.54E-03	1.20E-03	
AP	NBF	425641001	6/14/2017	BETA	2.40E-02	1.50E-03	1.19E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	425641002	6/14/2017	BETA	2.94E-02	1.68E-03	1.22E-03	
AP	DOW	425641003	6/14/2017	BETA	2.89E-02	1.66E-03	1.21E-03	
AP	COL	425641004	6/14/2017	BETA	2.67E-02	1.56E-03	1.16E-03	
AP	ONS-1	425641005	6/14/2017	BETA	2.54E-02	1.56E-03	1.21E-03	
AP	ONS-2	425641006	6/14/2017	BETA	2.79E-02	1.55E-03	1.09E-03	
AP	ONS-3	425641007	6/14/2017	BETA	2.46E-02	1.49E-03	1.14E-03	
AP	ONS-4	425641008	6/14/2017	BETA	2.76E-02	1.60E-03	1.18E-03	
AP	ONS-5	425641009	6/14/2017	BETA	2.48E-02	1.51E-03	1.16E-03	
AP	ONS-6	425641010	6/14/2017	BETA	2.54E-02	1.55E-03	1.20E-03	
AP	NBF	426245001	6/21/2017	BETA	1.79E-02	1.32E-03	1.25E-03	
AP	SBN	426245002	6/21/2017	BETA	1.84E-02	1.33E-03	1.23E-03	
AP	DOW	426245003	6/21/2017	BETA	1.84E-02	1.34E-03	1.24E-03	
AP	COL	426245004	6/21/2017	BETA	1.39E-02	1.15E-03	1.20E-03	
AP	ONS-1	426245005	6/21/2017	BETA	2.10E-02	1.43E-03	1.26E-03	
AP	ONS-2	426245006	6/21/2017	BETA	1.54E-02	1.25E-03	1.27E-03	
AP	ONS-3	426245007	6/21/2017	BETA	1.76E-02	1.28E-03	1.18E-03	
AP	ONS-4	426245008	6/21/2017	BETA	1.95E-02	1.36E-03	1.21E-03	
AP	ONS-5	426245009	6/21/2017	BETA	1.87E-02	1.32E-03	1.20E-03	
AP	ONS-6	426245010	6/21/2017	BETA	1.53E-02	1.23E-03	1.25E-03	
AP	NBF	426792001	6/28/2017	BETA	1.28E-02	1.11E-03	1.14E-03	
AP	SBN	426792002	6/28/2017	BETA	1.60E-02	1.23E-03	1.14E-03	
AP	DOW	426792003	6/28/2017	BETA	1.32E-02	1.12E-03	1.13E-03	
AP	COL	426792004	6/28/2017	BETA	1.37E-02	1.16E-03	1.18E-03	
AP	ONS-1	426792005	6/28/2017	BETA	1.45E-02	1.18E-03	1.15E-03	
AP	ONS-2	426792006	6/28/2017	BETA	1.24E-02	1.11E-03	1.16E-03	
AP	ONS-3	426792007	6/28/2017	BETA	1.15E-02	1.03E-03	1.09E-03	
AP	ONS-4	426792008	6/28/2017	BETA	1.36E-02	1.13E-03	1.12E-03	
AP	ONS-5	426792009	6/28/2017	BETA	1.20E-02	1.05E-03	1.09E-03	
AP	ONS-6	426792010	6/28/2017	BETA	1.30E-02	1.12E-03	1.15E-03	
AP	NBF	429350001	6/28/2017	Ac-228	-3.40E-04	4.87E-04	1.68E-03	U
AP	NBF	429350001	6/28/2017	Ag-108m	-1.80E-05	7.66E-05	2.53E-04	U
AP	NBF	429350001	6/28/2017	Ag-110m	5.12E-05	1.82E-04	6.20E-04	U
AP	NBF	429350001	6/28/2017	Ba-140	-4.81E-03	3.01E-02	9.81E-02	U
AP	NBF	429350001	6/28/2017	Be-7	1.52E-01	1.20E-02	7.75E-03	
AP	NBF	429350001	6/28/2017	Ce-141	-9.60E-04	8.11E-04	2.17E-03	U
AP	NBF	429350001	6/28/2017	Ce-144	2.61E-04	5.19E-04	1.82E-03	U
AP	NBF	429350001	6/28/2017	Co-57	-5.82E-05	8.37E-05	2.23E-04	U
AP	NBF	429350001	6/28/2017	Co-58	6.84E-05	1.95E-04	6.76E-04	U
AP	NBF	429350001	6/28/2017	Co-60	-1.91E-06	9.87E-05	3.30E-04	U
AP	NBF	429350001	6/28/2017	Cr-51	-8.24E-03	6.33E-03	1.76E-02	U
AP	NBF	429350001	6/28/2017	Cs-134	1.00E-04	1.13E-04	3.66E-04	U
AP	NBF	429350001	6/28/2017	Cs-137	1.63E-04	1.07E-04	3.69E-04	U
AP	NBF	429350001	6/28/2017	Fe-59	-1.05E-04	6.63E-04	2.12E-03	U
AP	NBF	429350001	6/28/2017	I-131	-2.21E-02	1.49E-01	0.00E+00	U
AP	NBF	429350001	6/28/2017	K-40	3.63E-04	1.16E-03	4.27E-03	U
AP	NBF	429350001	6/28/2017	La-140	2.13E-02	1.47E-02	5.41E-02	U
AP	NBF	429350001	6/28/2017	Mn-54	-5.43E-06	1.17E-04	3.91E-04	U
AP	NBF	429350001	6/28/2017	Nb-95	-3.15E-04	2.72E-04	7.36E-04	U
AP	NBF	429350001	6/28/2017	Ru-103	-3.30E-04	3.33E-04	9.78E-04	U
AP	NBF	429350001	6/28/2017	Ru-106	2.27E-04	1.08E-03	3.34E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	429350001	6/28/2017	Sb-124	-3.43E-04	6.46E-04	1.92E-03	U
AP	NBF	429350001	6/28/2017	Sb-125	-1.67E-04	2.52E-04	8.01E-04	U
AP	NBF	429350001	6/28/2017	Se-75	1.06E-04	1.93E-04	6.44E-04	U
AP	NBF	429350001	6/28/2017	Th-228	8.71E-05	1.60E-04	5.68E-04	U
AP	NBF	429350001	6/28/2017	Zn-65	-2.85E-04	3.34E-04	9.70E-04	U
AP	NBF	429350001	6/28/2017	Zr-95	-6.07E-04	4.26E-04	1.05E-03	U
AP	SBN	429350002	6/28/2017	Ac-228	-5.54E-04	4.79E-04	1.47E-03	U
AP	SBN	429350002	6/28/2017	Ag-108m	-4.65E-06	7.70E-05	2.54E-04	U
AP	SBN	429350002	6/28/2017	Ag-110m	-3.03E-04	1.52E-04	2.28E-04	U
AP	SBN	429350002	6/28/2017	Ba-140	-6.30E-02	3.98E-02	9.74E-02	U
AP	SBN	429350002	6/28/2017	Be-7	1.81E-01	1.25E-02	6.91E-03	
AP	SBN	429350002	6/28/2017	Ce-141	1.42E-03	8.73E-04	1.82E-03	U
AP	SBN	429350002	6/28/2017	Ce-144	2.29E-04	4.80E-04	1.59E-03	U
AP	SBN	429350002	6/28/2017	Co-57	-4.78E-05	7.33E-05	2.23E-04	U
AP	SBN	429350002	6/28/2017	Co-58	-2.47E-04	2.35E-04	6.78E-04	U
AP	SBN	429350002	6/28/2017	Co-60	-9.08E-05	6.76E-05	0.00E+00	U
AP	SBN	429350002	6/28/2017	Cr-51	4.80E-03	6.44E-03	2.25E-02	U
AP	SBN	429350002	6/28/2017	Cs-134	-3.17E-05	1.19E-04	3.61E-04	U
AP	SBN	429350002	6/28/2017	Cs-137	1.32E-04	9.14E-05	3.37E-04	U
AP	SBN	429350002	6/28/2017	Fe-59	-9.00E-04	6.87E-04	1.56E-03	U
AP	SBN	429350002	6/28/2017	I-131	-4.75E-02	1.42E-01	0.00E+00	U
AP	SBN	429350002	6/28/2017	K-40	1.91E-03	2.09E-03	7.97E-03	U
AP	SBN	429350002	6/28/2017	La-140	5.53E-03	5.68E-03	2.58E-02	U
AP	SBN	429350002	6/28/2017	Mn-54	2.33E-04	1.25E-04	4.69E-04	U
AP	SBN	429350002	6/28/2017	Nb-95	2.50E-05	1.96E-04	6.36E-04	U
AP	SBN	429350002	6/28/2017	Ru-103	-6.76E-05	3.38E-04	9.56E-04	U
AP	SBN	429350002	6/28/2017	Ru-106	1.57E-03	9.89E-04	3.59E-03	U
AP	SBN	429350002	6/28/2017	Sb-124	-2.09E-04	5.90E-04	1.69E-03	U
AP	SBN	429350002	6/28/2017	Sb-125	1.10E-04	2.49E-04	8.56E-04	U
AP	SBN	429350002	6/28/2017	Se-75	-3.65E-04	2.14E-04	5.97E-04	U
AP	SBN	429350002	6/28/2017	Th-228	6.68E-05	1.69E-04	6.12E-04	U
AP	SBN	429350002	6/28/2017	Zn-65	2.44E-04	2.68E-04	9.96E-04	U
AP	SBN	429350002	6/28/2017	Zr-95	-3.52E-04	4.56E-04	1.26E-03	U
AP	DOW	429350003	6/28/2017	Ac-228	-1.82E-04	4.00E-04	1.41E-03	U
AP	DOW	429350003	6/28/2017	Ag-108m	-7.57E-05	6.25E-05	1.66E-04	U
AP	DOW	429350003	6/28/2017	Ag-110m	1.37E-04	1.56E-04	5.55E-04	U
AP	DOW	429350003	6/28/2017	Ba-140	-3.94E-02	3.28E-02	7.81E-02	U
AP	DOW	429350003	6/28/2017	Be-7	1.59E-01	1.22E-02	6.02E-03	
AP	DOW	429350003	6/28/2017	Ce-141	1.26E-04	6.64E-04	2.13E-03	U
AP	DOW	429350003	6/28/2017	Ce-144	1.03E-04	5.06E-04	1.63E-03	U
AP	DOW	429350003	6/28/2017	Co-57	-9.79E-06	7.36E-05	2.33E-04	U
AP	DOW	429350003	6/28/2017	Co-58	-5.88E-04	2.70E-04	3.98E-04	U
AP	DOW	429350003	6/28/2017	Co-60	-7.54E-05	1.04E-04	2.84E-04	U
AP	DOW	429350003	6/28/2017	Cr-51	6.25E-04	5.51E-03	1.88E-02	U
AP	DOW	429350003	6/28/2017	Cs-134	-1.04E-04	1.07E-04	2.77E-04	U
AP	DOW	429350003	6/28/2017	Cs-137	2.21E-05	9.67E-05	3.22E-04	U
AP	DOW	429350003	6/28/2017	Fe-59	4.02E-04	7.47E-04	2.67E-03	U
AP	DOW	429350003	6/28/2017	I-131	1.49E-01	1.50E-01	0.00E+00	UI
AP	DOW	429350003	6/28/2017	K-40	6.69E-03	2.05E-03	3.34E-03	UI
AP	DOW	429350003	6/28/2017	La-140	-1.12E-02	1.34E-02	3.44E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	429350003	6/28/2017	Mn-54	1.30E-04	1.19E-04	4.25E-04	U
AP	DOW	429350003	6/28/2017	Nb-95	8.62E-05	2.67E-04	8.86E-04	U
AP	DOW	429350003	6/28/2017	Ru-103	-3.36E-05	4.02E-04	1.32E-03	U
AP	DOW	429350003	6/28/2017	Ru-106	7.09E-04	1.19E-03	3.71E-03	U
AP	DOW	429350003	6/28/2017	Sb-124	-8.62E-04	7.95E-04	1.90E-03	U
AP	DOW	429350003	6/28/2017	Sb-125	-2.43E-05	2.26E-04	7.41E-04	U
AP	DOW	429350003	6/28/2017	Se-75	2.08E-04	1.83E-04	6.45E-04	U
AP	DOW	429350003	6/28/2017	Th-228	-1.80E-04	1.65E-04	5.17E-04	U
AP	DOW	429350003	6/28/2017	Zn-65	-4.08E-04	3.27E-04	8.58E-04	U
AP	DOW	429350003	6/28/2017	Zr-95	3.80E-04	4.58E-04	1.59E-03	U
AP	COL	429350004	6/28/2017	Ac-228	-8.25E-05	4.14E-04	1.47E-03	U
AP	COL	429350004	6/28/2017	Ag-108m	-4.92E-05	6.20E-05	1.82E-04	U
AP	COL	429350004	6/28/2017	Ag-110m	1.37E-04	1.61E-04	5.84E-04	U
AP	COL	429350004	6/28/2017	Ba-140	-4.75E-02	2.97E-02	6.81E-02	U
AP	COL	429350004	6/28/2017	Be-7	1.68E-01	1.13E-02	4.50E-03	
AP	COL	429350004	6/28/2017	Ce-141	-1.13E-03	7.02E-04	1.83E-03	U
AP	COL	429350004	6/28/2017	Ce-144	5.95E-04	5.47E-04	1.81E-03	U
AP	COL	429350004	6/28/2017	Co-57	1.06E-04	7.51E-05	2.48E-04	U
AP	COL	429350004	6/28/2017	Co-58	-7.16E-06	2.00E-04	6.76E-04	U
AP	COL	429350004	6/28/2017	Co-60	6.66E-05	1.36E-04	4.71E-04	U
AP	COL	429350004	6/28/2017	Cr-51	-2.56E-04	5.59E-03	1.88E-02	U
AP	COL	429350004	6/28/2017	Cs-134	6.81E-05	1.12E-04	3.67E-04	U
AP	COL	429350004	6/28/2017	Cs-137	-9.37E-05	1.16E-04	3.34E-04	U
AP	COL	429350004	6/28/2017	Fe-59	-8.28E-04	6.68E-04	1.62E-03	U
AP	COL	429350004	6/28/2017	I-131	-9.99E-02	1.33E-01	0.00E+00	U
AP	COL	429350004	6/28/2017	K-40	2.43E-04	1.96E-03	2.31E-03	U
AP	COL	429350004	6/28/2017	La-140	-7.98E-03	1.69E-02	4.95E-02	U
AP	COL	429350004	6/28/2017	Mn-54	-7.69E-05	1.00E-04	2.98E-04	U
AP	COL	429350004	6/28/2017	Nb-95	3.18E-04	4.41E-04	7.55E-04	U
AP	COL	429350004	6/28/2017	Ru-103	4.39E-04	3.61E-04	1.27E-03	U
AP	COL	429350004	6/28/2017	Ru-106	5.53E-04	9.33E-04	3.18E-03	U
AP	COL	429350004	6/28/2017	Sb-124	1.09E-03	7.46E-04	2.90E-03	U
AP	COL	429350004	6/28/2017	Sb-125	-5.13E-04	2.70E-04	6.34E-04	U
AP	COL	429350004	6/28/2017	Se-75	6.29E-05	1.63E-04	5.66E-04	U
AP	COL	429350004	6/28/2017	Th-228	5.47E-05	2.38E-04	5.75E-04	U
AP	COL	429350004	6/28/2017	Zn-65	-9.64E-05	3.84E-04	1.13E-03	U
AP	COL	429350004	6/28/2017	Zr-95	-2.23E-04	3.48E-04	9.67E-04	U
AP	ONS-1	429350005	6/28/2017	Ac-228	-8.21E-04	7.26E-04	2.15E-03	U
AP	ONS-1	429350005	6/28/2017	Ag-108m	-9.33E-06	9.04E-05	3.19E-04	U
AP	ONS-1	429350005	6/28/2017	Ag-110m	2.11E-04	1.89E-04	7.36E-04	U
AP	ONS-1	429350005	6/28/2017	Ba-140	6.57E-03	4.56E-02	1.40E-01	U
AP	ONS-1	429350005	6/28/2017	Be-7	1.74E-01	1.50E-02	1.02E-02	
AP	ONS-1	429350005	6/28/2017	Ce-141	-2.50E-05	6.71E-04	2.21E-03	U
AP	ONS-1	429350005	6/28/2017	Ce-144	-8.10E-04	5.62E-04	1.52E-03	U
AP	ONS-1	429350005	6/28/2017	Co-57	1.33E-05	7.61E-05	2.57E-04	U
AP	ONS-1	429350005	6/28/2017	Co-58	1.03E-04	1.83E-04	6.77E-04	U
AP	ONS-1	429350005	6/28/2017	Co-60	-6.93E-05	1.27E-04	3.46E-04	U
AP	ONS-1	429350005	6/28/2017	Cr-51	1.57E-02	6.37E-03	2.29E-02	U
AP	ONS-1	429350005	6/28/2017	Cs-134	1.56E-04	1.27E-04	4.98E-04	U
AP	ONS-1	429350005	6/28/2017	Cs-137	-1.54E-04	1.38E-04	3.50E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	429350005	6/28/2017	Fe-59	3.71E-04	8.35E-04	3.07E-03	U
AP	ONS-1	429350005	6/28/2017	I-131	-1.10E-02	1.44E-01	0.00E+00	U
AP	ONS-1	429350005	6/28/2017	K-40	7.17E-04	1.90E-03	8.07E-03	U
AP	ONS-1	429350005	6/28/2017	La-140	-2.94E-02	1.83E-02	0.00E+00	U
AP	ONS-1	429350005	6/28/2017	Mn-54	1.02E-04	1.13E-04	4.34E-04	U
AP	ONS-1	429350005	6/28/2017	Nb-95	1.05E-04	2.84E-04	9.82E-04	U
AP	ONS-1	429350005	6/28/2017	Ru-103	-3.91E-04	4.39E-04	1.25E-03	U
AP	ONS-1	429350005	6/28/2017	Ru-106	-6.65E-04	1.11E-03	3.23E-03	U
AP	ONS-1	429350005	6/28/2017	Sb-124	9.96E-04	1.06E-03	4.13E-03	U
AP	ONS-1	429350005	6/28/2017	Sb-125	-1.28E-04	3.21E-04	1.04E-03	U
AP	ONS-1	429350005	6/28/2017	Se-75	-6.43E-06	1.94E-04	6.15E-04	U
AP	ONS-1	429350005	6/28/2017	Th-228	-8.06E-05	2.16E-04	7.15E-04	U
AP	ONS-1	429350005	6/28/2017	Zn-65	-1.81E-04	4.19E-04	1.39E-03	U
AP	ONS-1	429350005	6/28/2017	Zr-95	-3.08E-04	6.33E-04	1.88E-03	U
AP	ONS-2	429350006	6/28/2017	Ac-228	4.91E-04	5.33E-04	1.43E-03	U
AP	ONS-2	429350006	6/28/2017	Ag-108m	4.19E-06	5.65E-05	1.90E-04	U
AP	ONS-2	429350006	6/28/2017	Ag-110m	1.43E-04	1.51E-04	5.20E-04	U
AP	ONS-2	429350006	6/28/2017	Ba-140	8.19E-02	3.49E-02	1.15E-01	U
AP	ONS-2	429350006	6/28/2017	Be-7	1.70E-01	1.14E-02	5.61E-03	
AP	ONS-2	429350006	6/28/2017	Ce-141	-7.46E-05	5.95E-04	1.89E-03	U
AP	ONS-2	429350006	6/28/2017	Ce-144	9.26E-04	5.16E-04	1.64E-03	U
AP	ONS-2	429350006	6/28/2017	Co-57	-6.40E-05	6.23E-05	1.84E-04	U
AP	ONS-2	429350006	6/28/2017	Co-58	8.81E-05	1.64E-04	5.10E-04	U
AP	ONS-2	429350006	6/28/2017	Co-60	2.24E-05	9.49E-05	3.27E-04	U
AP	ONS-2	429350006	6/28/2017	Cr-51	9.41E-03	5.56E-03	1.89E-02	U
AP	ONS-2	429350006	6/28/2017	Cs-134	-3.00E-05	9.49E-05	2.94E-04	U
AP	ONS-2	429350006	6/28/2017	Cs-137	-3.61E-05	9.05E-05	2.84E-04	U
AP	ONS-2	429350006	6/28/2017	Fe-59	-4.10E-04	5.61E-04	1.70E-03	U
AP	ONS-2	429350006	6/28/2017	I-131	-5.96E-02	1.40E-01	0.00E+00	U
AP	ONS-2	429350006	6/28/2017	K-40	2.98E-03	1.52E-03	1.34E-03	UI
AP	ONS-2	429350006	6/28/2017	La-140	-6.82E-03	1.10E-02	3.21E-02	U
AP	ONS-2	429350006	6/28/2017	Mn-54	8.56E-05	8.10E-05	2.88E-04	U
AP	ONS-2	429350006	6/28/2017	Nb-95	-2.55E-04	2.18E-04	5.93E-04	U
AP	ONS-2	429350006	6/28/2017	Ru-103	-1.67E-04	3.45E-04	1.10E-03	U
AP	ONS-2	429350006	6/28/2017	Ru-106	4.68E-04	8.38E-04	2.85E-03	U
AP	ONS-2	429350006	6/28/2017	Sb-124	-1.36E-05	5.81E-04	1.90E-03	U
AP	ONS-2	429350006	6/28/2017	Sb-125	5.73E-05	2.17E-04	7.37E-04	U
AP	ONS-2	429350006	6/28/2017	Se-75	3.09E-04	1.73E-04	5.81E-04	U
AP	ONS-2	429350006	6/28/2017	Th-228	-1.44E-04	1.67E-04	5.18E-04	U
AP	ONS-2	429350006	6/28/2017	Zn-65	5.96E-05	2.63E-04	8.12E-04	U
AP	ONS-2	429350006	6/28/2017	Zr-95	3.80E-05	3.25E-04	1.07E-03	U
AP	ONS-3	429350007	6/28/2017	Ac-228	-2.90E-04	5.37E-04	1.90E-03	U
AP	ONS-3	429350007	6/28/2017	Ag-108m	-5.43E-05	7.81E-05	2.27E-04	U
AP	ONS-3	429350007	6/28/2017	Ag-110m	7.18E-05	2.13E-04	7.37E-04	U
AP	ONS-3	429350007	6/28/2017	Ba-140	6.08E-02	4.54E-02	1.59E-01	U
AP	ONS-3	429350007	6/28/2017	Be-7	1.86E-01	1.34E-02	7.93E-03	
AP	ONS-3	429350007	6/28/2017	Ce-141	3.33E-04	7.57E-04	2.45E-03	U
AP	ONS-3	429350007	6/28/2017	Ce-144	3.61E-04	7.63E-04	2.46E-03	U
AP	ONS-3	429350007	6/28/2017	Co-57	-5.20E-05	8.04E-05	2.39E-04	U
AP	ONS-3	429350007	6/28/2017	Co-58	8.24E-05	2.33E-04	8.17E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	429350007	6/28/2017	Co-60	-7.03E-05	1.30E-04	3.58E-04	U
AP	ONS-3	429350007	6/28/2017	Cr-51	-5.67E-04	7.51E-03	2.49E-02	U
AP	ONS-3	429350007	6/28/2017	Cs-134	1.06E-04	1.25E-04	4.60E-04	U
AP	ONS-3	429350007	6/28/2017	Cs-137	-5.94E-06	9.39E-05	3.16E-04	U
AP	ONS-3	429350007	6/28/2017	Fe-59	-1.22E-03	8.89E-04	1.92E-03	U
AP	ONS-3	429350007	6/28/2017	I-131	6.57E-03	1.38E-01	0.00E+00	UI
AP	ONS-3	429350007	6/28/2017	K-40	-1.09E-03	1.80E-03	5.91E-03	U
AP	ONS-3	429350007	6/28/2017	La-140	7.16E-03	1.15E-02	4.43E-02	U
AP	ONS-3	429350007	6/28/2017	Mn-54	8.52E-05	1.43E-04	5.10E-04	U
AP	ONS-3	429350007	6/28/2017	Nb-95	-1.42E-05	3.12E-04	1.04E-03	U
AP	ONS-3	429350007	6/28/2017	Ru-103	1.49E-04	4.77E-04	1.59E-03	U
AP	ONS-3	429350007	6/28/2017	Ru-106	-6.15E-04	1.11E-03	3.21E-03	U
AP	ONS-3	429350007	6/28/2017	Sb-124	4.24E-04	1.06E-03	3.73E-03	U
AP	ONS-3	429350007	6/28/2017	Sb-125	2.72E-04	2.88E-04	1.01E-03	U
AP	ONS-3	429350007	6/28/2017	Se-75	-3.09E-04	2.41E-04	6.01E-04	U
AP	ONS-3	429350007	6/28/2017	Th-228	8.22E-04	3.53E-04	8.23E-04	U
AP	ONS-3	429350007	6/28/2017	Zn-65	-5.78E-04	4.02E-04	9.04E-04	U
AP	ONS-3	429350007	6/28/2017	Zr-95	-5.10E-05	4.42E-04	1.39E-03	U
AP	ONS-4	429350008	6/28/2017	Ac-228	1.10E-03	7.03E-04	2.20E-03	U
AP	ONS-4	429350008	6/28/2017	Ag-108m	9.51E-05	9.91E-05	3.37E-04	U
AP	ONS-4	429350008	6/28/2017	Ag-110m	3.08E-04	2.50E-04	8.93E-04	U
AP	ONS-4	429350008	6/28/2017	Ba-140	-6.45E-02	4.39E-02	1.08E-01	U
AP	ONS-4	429350008	6/28/2017	Be-7	1.79E-01	1.33E-02	7.69E-03	
AP	ONS-4	429350008	6/28/2017	Ce-141	1.36E-05	7.43E-04	2.54E-03	U
AP	ONS-4	429350008	6/28/2017	Ce-144	-5.15E-04	6.01E-04	1.92E-03	U
AP	ONS-4	429350008	6/28/2017	Co-57	-1.08E-04	7.52E-05	2.22E-04	U
AP	ONS-4	429350008	6/28/2017	Co-58	1.61E-04	2.90E-04	1.02E-03	U
AP	ONS-4	429350008	6/28/2017	Co-60	1.28E-04	1.24E-04	4.66E-04	U
AP	ONS-4	429350008	6/28/2017	Cr-51	2.79E-06	6.85E-03	2.26E-02	U
AP	ONS-4	429350008	6/28/2017	Cs-134	1.91E-05	1.70E-04	5.76E-04	U
AP	ONS-4	429350008	6/28/2017	Cs-137	9.36E-05	1.16E-04	4.15E-04	U
AP	ONS-4	429350008	6/28/2017	Fe-59	-7.36E-04	8.22E-04	2.25E-03	U
AP	ONS-4	429350008	6/28/2017	I-131	-7.93E-02	1.64E-01	0.00E+00	U
AP	ONS-4	429350008	6/28/2017	K-40	-1.39E-03	1.38E-03	4.48E-03	U
AP	ONS-4	429350008	6/28/2017	La-140	8.53E-04	8.82E-03	2.92E-02	U
AP	ONS-4	429350008	6/28/2017	Mn-54	-2.42E-05	1.50E-04	4.92E-04	U
AP	ONS-4	429350008	6/28/2017	Nb-95	4.34E-04	3.00E-04	1.06E-03	U
AP	ONS-4	429350008	6/28/2017	Ru-103	7.51E-04	4.77E-04	1.65E-03	U
AP	ONS-4	429350008	6/28/2017	Ru-106	-1.35E-03	1.33E-03	3.30E-03	U
AP	ONS-4	429350008	6/28/2017	Sb-124	-5.14E-04	5.65E-04	1.37E-03	U
AP	ONS-4	429350008	6/28/2017	Sb-125	1.61E-04	3.05E-04	1.03E-03	U
AP	ONS-4	429350008	6/28/2017	Se-75	-5.49E-05	2.21E-04	7.24E-04	U
AP	ONS-4	429350008	6/28/2017	Th-228	5.76E-04	2.93E-04	7.01E-04	U
AP	ONS-4	429350008	6/28/2017	Zn-65	4.31E-06	2.63E-04	8.66E-04	U
AP	ONS-4	429350008	6/28/2017	Zr-95	-5.04E-04	4.51E-04	1.25E-03	U
AP	ONS-5	429350009	6/28/2017	Ac-228	3.15E-04	5.49E-04	1.72E-03	U
AP	ONS-5	429350009	6/28/2017	Ag-108m	2.12E-05	6.20E-05	2.17E-04	U
AP	ONS-5	429350009	6/28/2017	Ag-110m	-6.29E-05	1.79E-04	5.53E-04	U
AP	ONS-5	429350009	6/28/2017	Ba-140	4.29E-03	3.32E-02	1.02E-01	U
AP	ONS-5	429350009	6/28/2017	Be-7	1.77E-01	1.23E-02	6.62E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	429350009	6/28/2017	Ce-141	1.32E-03	7.96E-04	2.27E-03	U
AP	ONS-5	429350009	6/28/2017	Ce-144	-9.48E-04	5.85E-04	1.53E-03	U
AP	ONS-5	429350009	6/28/2017	Co-57	5.82E-05	6.61E-05	2.21E-04	U
AP	ONS-5	429350009	6/28/2017	Co-58	-4.68E-05	2.02E-04	6.39E-04	U
AP	ONS-5	429350009	6/28/2017	Co-60	1.51E-05	9.34E-05	3.27E-04	U
AP	ONS-5	429350009	6/28/2017	Cr-51	1.33E-02	6.65E-03	2.28E-02	U
AP	ONS-5	429350009	6/28/2017	Cs-134	-1.27E-04	1.19E-04	3.07E-04	U
AP	ONS-5	429350009	6/28/2017	Cs-137	4.54E-05	1.00E-04	3.46E-04	U
AP	ONS-5	429350009	6/28/2017	Fe-59	5.49E-05	5.87E-04	1.92E-03	U
AP	ONS-5	429350009	6/28/2017	I-131	3.52E-02	1.40E-01	0.00E+00	UI
AP	ONS-5	429350009	6/28/2017	K-40	1.25E-03	1.88E-03	2.50E-03	U
AP	ONS-5	429350009	6/28/2017	La-140	-4.22E-03	8.29E-03	2.34E-02	U
AP	ONS-5	429350009	6/28/2017	Mn-54	1.43E-04	1.47E-04	5.14E-04	U
AP	ONS-5	429350009	6/28/2017	Nb-95	-3.28E-04	2.92E-04	8.18E-04	U
AP	ONS-5	429350009	6/28/2017	Ru-103	-2.20E-04	3.30E-04	1.02E-03	U
AP	ONS-5	429350009	6/28/2017	Ru-106	1.53E-03	1.03E-03	3.70E-03	U
AP	ONS-5	429350009	6/28/2017	Sb-124	1.70E-05	3.65E-04	1.24E-03	U
AP	ONS-5	429350009	6/28/2017	Sb-125	1.26E-04	2.45E-04	8.57E-04	U
AP	ONS-5	429350009	6/28/2017	Se-75	2.33E-04	2.00E-04	6.18E-04	U
AP	ONS-5	429350009	6/28/2017	Th-228	5.48E-04	4.05E-04	6.26E-04	U
AP	ONS-5	429350009	6/28/2017	Zn-65	3.96E-04	2.72E-04	1.02E-03	U
AP	ONS-5	429350009	6/28/2017	Zr-95	-1.41E-04	3.65E-04	1.13E-03	U
AP	ONS-6	429350010	6/28/2017	Ac-228	6.30E-05	5.85E-04	1.94E-03	U
AP	ONS-6	429350010	6/28/2017	Ag-108m	-2.70E-05	8.88E-05	2.87E-04	U
AP	ONS-6	429350010	6/28/2017	Ag-110m	-3.55E-04	2.00E-04	2.89E-04	U
AP	ONS-6	429350010	6/28/2017	Ba-140	3.33E-03	3.22E-02	1.08E-01	U
AP	ONS-6	429350010	6/28/2017	Be-7	1.59E-01	1.31E-02	7.43E-03	
AP	ONS-6	429350010	6/28/2017	Ce-141	-1.44E-03	1.06E-03	2.91E-03	U
AP	ONS-6	429350010	6/28/2017	Ce-144	3.25E-04	6.52E-04	2.15E-03	U
AP	ONS-6	429350010	6/28/2017	Co-57	-9.60E-05	8.47E-05	2.38E-04	U
AP	ONS-6	429350010	6/28/2017	Co-58	3.31E-05	2.87E-04	9.39E-04	U
AP	ONS-6	429350010	6/28/2017	Co-60	6.29E-05	1.25E-04	4.57E-04	U
AP	ONS-6	429350010	6/28/2017	Cr-51	3.60E-04	6.71E-03	2.29E-02	U
AP	ONS-6	429350010	6/28/2017	Cs-134	-2.31E-05	1.00E-04	3.07E-04	U
AP	ONS-6	429350010	6/28/2017	Cs-137	8.48E-06	1.02E-04	3.37E-04	U
AP	ONS-6	429350010	6/28/2017	Fe-59	6.85E-04	7.49E-04	2.88E-03	U
AP	ONS-6	429350010	6/28/2017	I-131	3.89E-01	2.12E-01	0.00E+00	UI
AP	ONS-6	429350010	6/28/2017	K-40	-2.99E-03	1.91E-03	5.26E-03	U
AP	ONS-6	429350010	6/28/2017	La-140	1.54E-02	1.58E-02	6.22E-02	U
AP	ONS-6	429350010	6/28/2017	Mn-54	1.22E-04	1.45E-04	5.14E-04	U
AP	ONS-6	429350010	6/28/2017	Nb-95	1.20E-04	4.07E-04	1.22E-03	U
AP	ONS-6	429350010	6/28/2017	Ru-103	-2.74E-04	4.43E-04	1.35E-03	U
AP	ONS-6	429350010	6/28/2017	Ru-106	6.16E-04	1.20E-03	4.14E-03	U
AP	ONS-6	429350010	6/28/2017	Sb-124	-1.70E-05	9.40E-04	3.08E-03	U
AP	ONS-6	429350010	6/28/2017	Sb-125	1.04E-04	2.37E-04	8.33E-04	U
AP	ONS-6	429350010	6/28/2017	Se-75	-1.58E-04	2.24E-04	7.22E-04	U
AP	ONS-6	429350010	6/28/2017	Th-228	2.70E-04	2.78E-04	7.60E-04	U
AP	ONS-6	429350010	6/28/2017	Zn-65	-5.56E-05	3.27E-04	1.08E-03	U
AP	ONS-6	429350010	6/28/2017	Zr-95	1.74E-04	4.01E-04	1.39E-03	U
AP	NBF	427370001	7/5/2017	BETA	2.44E-02	1.51E-03	1.13E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	427370002	7/5/2017	BETA	2.59E-02	1.53E-03	1.11E-03	
AP	DOW	427370003	7/5/2017	BETA	2.41E-02	1.49E-03	1.12E-03	
AP	COL	427370004	7/5/2017	BETA	2.24E-02	1.48E-03	1.20E-03	
AP	ONS-1	427370005	7/5/2017	BETA	2.61E-02	1.56E-03	1.15E-03	
AP	ONS-2	427370006	7/5/2017	BETA	2.14E-02	1.44E-03	1.18E-03	
AP	ONS-3	427370007	7/5/2017	BETA	2.57E-02	1.52E-03	1.11E-03	
AP	ONS-4	427370008	7/5/2017	BETA	2.40E-02	1.52E-03	1.17E-03	
AP	ONS-5	427370009	7/5/2017	BETA	2.10E-02	1.43E-03	1.18E-03	
AP	ONS-6	427370010	7/5/2017	BETA	2.53E-02	1.52E-03	1.12E-03	
AP	NBF	427892001	7/12/2017	BETA	2.77E-02	1.62E-03	1.21E-03	
AP	SBN	427892002	7/12/2017	BETA	2.62E-02	1.55E-03	1.18E-03	
AP	DOW	427892003	7/12/2017	BETA	2.18E-02	1.44E-03	1.22E-03	
AP	COL	427892004	7/12/2017	BETA	2.16E-02	1.46E-03	1.27E-03	
AP	ONS-1	427892005	7/12/2017	BETA	2.65E-02	1.59E-03	1.22E-03	
AP	ONS-2	427892006	7/12/2017	BETA	2.47E-02	1.55E-03	1.25E-03	
AP	ONS-3	427892007	7/12/2017	BETA	2.80E-02	1.59E-03	1.16E-03	
AP	ONS-4	427892008	7/12/2017	BETA	2.39E-02	1.51E-03	1.22E-03	
AP	ONS-5	427892009	7/12/2017	BETA	2.52E-02	1.56E-03	1.23E-03	
AP	ONS-6	427892010	7/12/2017	BETA	2.84E-02	1.61E-03	1.18E-03	
AP	NBF	428510001	7/19/2017	BETA	1.78E-02	1.33E-03	1.21E-03	
AP	SBN	428510002	7/19/2017	BETA	1.76E-02	1.27E-03	1.13E-03	
AP	DOW	428510003	7/19/2017	BETA	1.78E-02	1.31E-03	1.19E-03	
AP	COL	428510004	7/19/2017	BETA	1.73E-02	1.31E-03	1.22E-03	
AP	ONS-1	428510005	7/19/2017	BETA	1.69E-02	1.30E-03	1.21E-03	
AP	ONS-2	428510006	7/19/2017	BETA	1.69E-02	1.29E-03	1.20E-03	
AP	ONS-3	428510007	7/19/2017	BETA	1.71E-02	1.30E-03	1.21E-03	
AP	ONS-4	428510008	7/19/2017	BETA	1.41E-02	1.14E-03	1.12E-03	
AP	ONS-5	428510009	7/19/2017	BETA	1.64E-02	1.27E-03	1.20E-03	
AP	ONS-6	428510010	7/19/2017	BETA	1.88E-02	1.33E-03	1.16E-03	
AP	NBF	429036001	7/26/2017	BETA	2.06E-02	1.43E-03	1.23E-03	
AP	SBN	429036002	7/26/2017	BETA	2.28E-02	1.45E-03	1.15E-03	
AP	DOW	429036003	7/26/2017	BETA	1.94E-02	1.38E-03	1.20E-03	
AP	COL	429036004	7/26/2017	BETA	1.77E-02	1.32E-03	1.20E-03	
AP	ONS-1	429036005	7/26/2017	BETA	1.80E-02	1.33E-03	1.21E-03	
AP	ONS-2	429036006	7/26/2017	BETA	1.53E-02	1.24E-03	1.22E-03	
AP	ONS-3	429036007	7/26/2017	BETA	1.67E-02	1.29E-03	1.22E-03	
AP	ONS-4	429036008	7/26/2017	BETA	1.85E-02	1.31E-03	1.15E-03	
AP	ONS-5	429036009	7/26/2017	BETA	1.76E-02	1.32E-03	1.21E-03	
AP	ONS-6	429036010	7/26/2017	BETA	1.67E-02	1.26E-03	1.17E-03	
AP	NBF	429796001	8/2/2017	BETA	2.42E-02	1.52E-03	1.16E-03	
AP	SBN	429796002	8/2/2017	BETA	2.12E-02	1.41E-03	1.14E-03	
AP	DOW	429796003	8/2/2017	BETA	2.53E-02	1.55E-03	1.16E-03	
AP	COL	429796004	8/2/2017	BETA	2.26E-02	1.46E-03	1.15E-03	
AP	ONS-1	429796005	8/2/2017	BETA	2.22E-02	1.45E-03	1.16E-03	
AP	ONS-2	429796006	8/2/2017	BETA	2.50E-02	1.54E-03	1.16E-03	
AP	ONS-3	429796007	8/2/2017	BETA	2.44E-02	1.52E-03	1.16E-03	
AP	ONS-4	429796008	8/2/2017	BETA	2.27E-02	1.43E-03	1.09E-03	
AP	ONS-5	429796009	8/2/2017	BETA	1.92E-02	1.35E-03	1.15E-03	
AP	ONS-6	429796010	8/2/2017	BETA	2.26E-02	1.44E-03	1.12E-03	
AP	NBF	430377001	8/9/2017	BETA	2.38E-02	1.51E-03	1.23E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	430377002	8/9/2017	BETA	2.58E-02	1.57E-03	1.24E-03	
AP	DOW	430377003	8/9/2017	BETA	2.53E-02	1.53E-03	1.20E-03	
AP	COL	430377004	8/9/2017	BETA	2.43E-02	1.53E-03	1.24E-03	
AP	ONS-1	430377005	8/9/2017	BETA	2.76E-02	1.60E-03	1.21E-03	
AP	ONS-2	430377006	8/9/2017	BETA	2.88E-02	1.64E-03	1.20E-03	
AP	ONS-3	430377007	8/9/2017	BETA	2.95E-02	1.65E-03	1.19E-03	
AP	ONS-4	430377008	8/9/2017	BETA	2.81E-02	1.60E-03	1.19E-03	
AP	ONS-5	430377009	8/9/2017	BETA	2.26E-02	1.45E-03	1.20E-03	
AP	ONS-6	430377010	8/9/2017	BETA	2.83E-02	1.63E-03	1.22E-03	
AP	NBF	431026001	8/16/2017	BETA	3.13E-02	1.73E-03	1.23E-03	
AP	SBN	431026002	8/16/2017	BETA	3.05E-02	1.68E-03	1.20E-03	
AP	DOW	431026003	8/16/2017	BETA	3.47E-02	1.82E-03	1.24E-03	
AP	COL	431026004	8/16/2017	BETA	2.56E-02	1.53E-03	1.18E-03	
AP	ONS-1	431026005	8/16/2017	BETA	3.09E-02	1.67E-03	1.17E-03	
AP	ONS-2	431026006	8/16/2017	BETA	2.85E-02	1.64E-03	1.22E-03	
AP	ONS-3	431026007	8/16/2017	BETA	3.15E-02	1.70E-03	1.18E-03	
AP	ONS-4	431026008	8/16/2017	BETA	3.07E-02	1.69E-03	1.20E-03	
AP	ONS-5	431026009	8/16/2017	BETA	3.00E-02	1.67E-03	1.20E-03	
AP	ONS-6	431026010	8/16/2017	BETA	2.81E-02	1.69E-03	1.31E-03	
AP	NBF	431528001	8/23/2017	BETA	3.25E-02	1.74E-03	1.16E-03	
AP	SBN	431528002	8/23/2017	BETA	3.08E-02	1.73E-03	1.21E-03	
AP	DOW	431528003	8/23/2017	BETA	3.10E-02	1.72E-03	1.18E-03	
AP	COL	431528004	8/23/2017	BETA	3.06E-02	1.66E-03	1.12E-03	
AP	ONS-1	431528005	8/23/2017	BETA	3.08E-02	1.68E-03	1.13E-03	
AP	ONS-2	431528006	8/23/2017	BETA	2.60E-02	1.53E-03	1.11E-03	
AP	ONS-3	431528007	8/23/2017	BETA	3.56E-02	1.82E-03	1.15E-03	
AP	ONS-4	431528008	8/23/2017	BETA	3.29E-02	1.74E-03	1.14E-03	
AP	ONS-5	431528009	8/23/2017	BETA	2.82E-02	1.97E-03	1.70E-03	
AP	ONS-6	431528010	8/23/2017	BETA	3.13E-02	1.73E-03	1.18E-03	
AP	NBF	432021001	8/30/2017	BETA	2.63E-02	1.56E-03	1.15E-03	
AP	SBN	432021002	8/30/2017	BETA	2.83E-02	1.60E-03	1.12E-03	
AP	DOW	432021003	8/30/2017	BETA	2.50E-02	1.55E-03	1.18E-03	
AP	COL	432021004	8/30/2017	BETA	2.57E-02	1.51E-03	1.11E-03	
AP	ONS-1	432021005	8/30/2017	BETA	2.53E-02	1.56E-03	1.19E-03	
AP	ONS-2	432021006	8/30/2017	BETA	2.64E-02	1.59E-03	1.18E-03	
AP	ONS-3	432021007	8/30/2017	BETA	2.82E-02	1.60E-03	1.13E-03	
AP	ONS-4	432021008	8/30/2017	BETA	2.55E-02	1.51E-03	1.11E-03	
AP	ONS-5	432021009	8/30/2017	BETA	2.29E-02	1.48E-03	1.17E-03	
AP	ONS-6	432021010	8/30/2017	BETA	2.67E-02	1.58E-03	1.16E-03	
AP	NBF	432470001	9/6/2017	BETA	2.87E-02	1.65E-03	1.13E-03	
AP	SBN	432470002	9/6/2017	BETA	2.56E-02	1.52E-03	1.08E-03	
AP	DOW	432470003	9/6/2017	BETA	2.26E-02	1.47E-03	1.14E-03	
AP	COL	432470004	9/6/2017	BETA	2.13E-02	1.37E-03	1.05E-03	
AP	ONS-1	432470005	9/6/2017	BETA	2.58E-02	1.51E-03	1.06E-03	
AP	ONS-2	432470006	9/6/2017	BETA	2.60E-02	1.56E-03	1.11E-03	
AP	ONS-3	432470007	9/6/2017	BETA	2.85E-02	1.60E-03	1.07E-03	
AP	ONS-4	432470008	9/6/2017	BETA	2.53E-02	1.50E-03	1.06E-03	
AP	ONS-5	432470009	9/6/2017	BETA	2.54E-02	1.56E-03	1.13E-03	
AP	ONS-6	432470010	9/6/2017	BETA	2.34E-02	1.50E-03	1.15E-03	
AP	NBF	432957001	9/13/2017	BETA	1.65E-02	1.24E-03	1.14E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	432957002	9/13/2017	BETA	1.65E-02	1.24E-03	1.13E-03	
AP	DOW	432957003	9/13/2017	BETA	1.56E-02	1.23E-03	1.18E-03	
AP	COL	432957004	9/13/2017	BETA	1.62E-02	1.21E-03	1.10E-03	
AP	ONS-1	432957005	9/13/2017	BETA	1.68E-02	1.30E-03	1.22E-03	
AP	ONS-2	432957006	9/13/2017	BETA	1.79E-02	1.30E-03	1.15E-03	
AP	ONS-3	432957007	9/13/2017	BETA	2.03E-02	1.36E-03	1.12E-03	
AP	ONS-4	432957008	9/13/2017	BETA	1.98E-02	1.35E-03	1.12E-03	
AP	ONS-5	432957009	9/13/2017	BETA	1.80E-02	1.32E-03	1.18E-03	
AP	ONS-6	432957010	9/13/2017	BETA	1.40E-02	1.18E-03	1.20E-03	
AP	NBF	433420001	9/20/2017	BETA	3.58E-02	1.84E-03	1.25E-03	
AP	SBN	433420002	9/20/2017	BETA	3.42E-02	1.78E-03	1.21E-03	
AP	DOW	433420003	9/20/2017	BETA	3.67E-02	1.89E-03	1.28E-03	
AP	COL	433420004	9/20/2017	BETA	3.67E-02	1.82E-03	1.19E-03	
AP	ONS-1	433420005	9/20/2017	BETA	3.31E-02	1.78E-03	1.25E-03	
AP	ONS-2	433420006	9/20/2017	BETA	3.41E-02	1.80E-03	1.25E-03	
AP	ONS-3	433420007	9/20/2017	BETA	3.56E-02	1.86E-03	1.28E-03	
AP	ONS-4	433420008	9/20/2017	BETA	3.62E-02	1.81E-03	1.19E-03	
AP	ONS-5	433420009	9/20/2017	BETA	3.22E-02	1.72E-03	1.21E-03	
AP	ONS-6	433420010	9/20/2017	BETA	3.93E-02	1.95E-03	1.28E-03	
AP	NBF	433918001	9/27/2017	BETA	4.93E-02	2.20E-03	1.29E-03	
AP	SBN	433918002	9/27/2017	BETA	4.77E-02	2.10E-03	1.21E-03	
AP	DOW	433918003	9/27/2017	BETA	4.77E-02	2.15E-03	1.28E-03	
AP	COL	433918004	9/27/2017	BETA	4.70E-02	2.06E-03	1.18E-03	
AP	ONS-1	433918005	9/27/2017	BETA	4.97E-02	2.20E-03	1.27E-03	
AP	ONS-2	433918006	9/27/2017	BETA	5.39E-02	2.29E-03	1.27E-03	
AP	ONS-3	433918007	9/27/2017	BETA	5.17E-02	2.22E-03	1.25E-03	
AP	ONS-4	433918008	9/27/2017	BETA	4.86E-02	2.09E-03	1.18E-03	
AP	ONS-5	433918009	9/27/2017	BETA	5.49E-02	2.40E-03	1.38E-03	
AP	ONS-6	433918010	9/27/2017	BETA	5.15E-02	2.23E-03	1.27E-03	
AP	NBF	436558001	9/27/2017	Ac-228	-9.55E-05	4.62E-04	1.53E-03	U
AP	NBF	436558001	9/27/2017	Ag-108m	1.76E-04	8.63E-05	3.05E-04	U
AP	NBF	436558001	9/27/2017	Ag-110m	-1.37E-04	1.70E-04	4.49E-04	U
AP	NBF	436558001	9/27/2017	Ba-140	3.04E-02	4.38E-02	1.57E-01	U
AP	NBF	436558001	9/27/2017	Be-7	1.65E-01	1.22E-02	6.10E-03	
AP	NBF	436558001	9/27/2017	Ce-141	4.20E-04	6.34E-04	2.08E-03	U
AP	NBF	436558001	9/27/2017	Ce-144	1.60E-04	5.61E-04	1.80E-03	U
AP	NBF	436558001	9/27/2017	Co-57	-3.14E-05	6.54E-05	1.96E-04	U
AP	NBF	436558001	9/27/2017	Co-58	-2.72E-04	2.67E-04	7.03E-04	U
AP	NBF	436558001	9/27/2017	Co-60	1.50E-04	1.19E-04	4.70E-04	U
AP	NBF	436558001	9/27/2017	Cr-51	6.83E-03	7.08E-03	2.44E-02	U
AP	NBF	436558001	9/27/2017	Cs-134	4.87E-05	1.25E-04	4.27E-04	U
AP	NBF	436558001	9/27/2017	Cs-137	-9.53E-05	1.11E-04	3.19E-04	U
AP	NBF	436558001	9/27/2017	Fe-59	1.48E-04	7.25E-04	2.51E-03	U
AP	NBF	436558001	9/27/2017	I-131	-1.34E-02	2.42E-01	0.00E+00	U
AP	NBF	436558001	9/27/2017	K-40	2.48E-03	2.14E-03	8.24E-03	U
AP	NBF	436558001	9/27/2017	La-140	2.27E-02	2.00E-02	7.82E-02	U
AP	NBF	436558001	9/27/2017	Mn-54	7.21E-06	1.09E-04	3.56E-04	U
AP	NBF	436558001	9/27/2017	Nb-95	8.73E-05	2.00E-04	7.02E-04	U
AP	NBF	436558001	9/27/2017	Ru-103	-3.11E-04	2.90E-04	7.75E-04	U
AP	NBF	436558001	9/27/2017	Ru-106	-1.22E-03	1.38E-03	4.10E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	436558001	9/27/2017	Sb-124	1.08E-03	6.70E-04	2.89E-03	U
AP	NBF	436558001	9/27/2017	Sb-125	7.50E-05	2.59E-04	8.54E-04	U
AP	NBF	436558001	9/27/2017	Se-75	-1.27E-04	1.59E-04	4.81E-04	U
AP	NBF	436558001	9/27/2017	Th-228	1.73E-04	2.19E-04	5.23E-04	U
AP	NBF	436558001	9/27/2017	Zn-65	-4.91E-04	2.88E-04	4.84E-04	U
AP	NBF	436558001	9/27/2017	Zr-95	-2.19E-04	3.45E-04	9.61E-04	U
AP	SBN	436558002	9/27/2017	Ac-228	2.80E-04	5.43E-04	1.69E-03	U
AP	SBN	436558002	9/27/2017	Ag-108m	8.50E-05	8.71E-05	3.09E-04	U
AP	SBN	436558002	9/27/2017	Ag-110m	-5.00E-05	1.80E-04	5.86E-04	U
AP	SBN	436558002	9/27/2017	Ba-140	-7.53E-03	4.62E-02	1.49E-01	U
AP	SBN	436558002	9/27/2017	Be-7	1.44E-01	1.22E-02	9.34E-03	
AP	SBN	436558002	9/27/2017	Ce-141	-1.03E-03	8.09E-04	2.00E-03	U
AP	SBN	436558002	9/27/2017	Ce-144	-9.42E-04	6.03E-04	1.59E-03	U
AP	SBN	436558002	9/27/2017	Co-57	-5.42E-05	7.22E-05	2.19E-04	U
AP	SBN	436558002	9/27/2017	Co-58	1.10E-04	2.09E-04	7.23E-04	U
AP	SBN	436558002	9/27/2017	Co-60	9.17E-06	7.35E-05	2.52E-04	U
AP	SBN	436558002	9/27/2017	Cr-51	9.49E-03	6.88E-03	2.46E-02	U
AP	SBN	436558002	9/27/2017	Cs-134	-7.10E-05	1.13E-04	3.13E-04	U
AP	SBN	436558002	9/27/2017	Cs-137	-8.46E-05	1.26E-04	3.68E-04	U
AP	SBN	436558002	9/27/2017	Fe-59	4.98E-04	7.87E-04	2.88E-03	U
AP	SBN	436558002	9/27/2017	I-131	-2.66E-01	2.03E-01	0.00E+00	U
AP	SBN	436558002	9/27/2017	K-40	-1.56E-05	1.66E-03	6.06E-03	U
AP	SBN	436558002	9/27/2017	La-140	2.67E-02	2.06E-02	8.10E-02	U
AP	SBN	436558002	9/27/2017	Mn-54	1.42E-04	1.12E-04	4.16E-04	U
AP	SBN	436558002	9/27/2017	Nb-95	3.49E-04	2.37E-04	8.90E-04	U
AP	SBN	436558002	9/27/2017	Ru-103	-9.55E-05	3.13E-04	9.85E-04	U
AP	SBN	436558002	9/27/2017	Ru-106	5.21E-05	9.25E-04	3.04E-03	U
AP	SBN	436558002	9/27/2017	Sb-124	-3.35E-05	5.15E-04	1.62E-03	U
AP	SBN	436558002	9/27/2017	Sb-125	4.25E-05	2.86E-04	9.69E-04	U
AP	SBN	436558002	9/27/2017	Se-75	-2.60E-04	2.01E-04	4.45E-04	U
AP	SBN	436558002	9/27/2017	Th-228	-7.84E-06	1.72E-04	5.60E-04	U
AP	SBN	436558002	9/27/2017	Zn-65	1.84E-04	3.13E-04	1.13E-03	U
AP	SBN	436558002	9/27/2017	Zr-95	-3.48E-05	3.93E-04	1.24E-03	U
AP	DOW	436558003	9/27/2017	Ac-228	2.78E-04	5.45E-04	1.97E-03	U
AP	DOW	436558003	9/27/2017	Ag-108m	-2.51E-04	1.05E-04	2.08E-04	U
AP	DOW	436558003	9/27/2017	Ag-110m	-2.27E-04	1.68E-04	4.05E-04	U
AP	DOW	436558003	9/27/2017	Ba-140	-5.03E-02	4.69E-02	1.32E-01	U
AP	DOW	436558003	9/27/2017	Be-7	1.67E-01	1.21E-02	5.30E-03	
AP	DOW	436558003	9/27/2017	Ce-141	-7.77E-04	7.39E-04	2.21E-03	U
AP	DOW	436558003	9/27/2017	Ce-144	-9.17E-04	4.78E-04	1.14E-03	U
AP	DOW	436558003	9/27/2017	Co-57	-1.43E-04	6.61E-05	1.51E-04	U
AP	DOW	436558003	9/27/2017	Co-58	3.95E-04	2.34E-04	8.82E-04	U
AP	DOW	436558003	9/27/2017	Co-60	2.50E-04	1.39E-04	5.41E-04	U
AP	DOW	436558003	9/27/2017	Cr-51	-1.94E-03	5.50E-03	1.80E-02	U
AP	DOW	436558003	9/27/2017	Cs-134	6.39E-05	7.69E-05	2.77E-04	U
AP	DOW	436558003	9/27/2017	Cs-137	1.99E-05	8.74E-05	2.88E-04	U
AP	DOW	436558003	9/27/2017	Fe-59	7.88E-04	7.28E-04	2.76E-03	U
AP	DOW	436558003	9/27/2017	I-131	8.54E-02	2.15E-01	0.00E+00	UI
AP	DOW	436558003	9/27/2017	K-40	7.62E-04	1.65E-03	6.39E-03	U
AP	DOW	436558003	9/27/2017	La-140	-2.30E-02	2.01E-02	4.82E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	436558003	9/27/2017	Mn-54	1.78E-04	1.56E-04	5.62E-04	U
AP	DOW	436558003	9/27/2017	Nb-95	2.39E-04	2.18E-04	8.16E-04	U
AP	DOW	436558003	9/27/2017	Ru-103	1.69E-04	3.56E-04	1.12E-03	U
AP	DOW	436558003	9/27/2017	Ru-106	1.55E-03	1.05E-03	3.75E-03	U
AP	DOW	436558003	9/27/2017	Sb-124	5.10E-04	6.13E-04	2.40E-03	U
AP	DOW	436558003	9/27/2017	Sb-125	-5.40E-05	2.72E-04	8.85E-04	U
AP	DOW	436558003	9/27/2017	Se-75	1.04E-03	4.26E-04	5.02E-04	UI
AP	DOW	436558003	9/27/2017	Th-228	8.59E-05	1.54E-04	4.98E-04	U
AP	DOW	436558003	9/27/2017	Zn-65	7.76E-05	3.13E-04	1.06E-03	U
AP	DOW	436558003	9/27/2017	Zr-95	2.86E-04	3.63E-04	1.34E-03	U
AP	COL	436558004	9/27/2017	Ac-228	-7.31E-04	5.79E-04	1.71E-03	U
AP	COL	436558004	9/27/2017	Ag-108m	-1.20E-04	7.82E-05	1.88E-04	U
AP	COL	436558004	9/27/2017	Ag-110m	-2.42E-05	1.74E-04	5.43E-04	U
AP	COL	436558004	9/27/2017	Ba-140	-3.66E-02	4.71E-02	1.36E-01	U
AP	COL	436558004	9/27/2017	Be-7	1.46E-01	1.34E-02	1.01E-02	
AP	COL	436558004	9/27/2017	Ce-141	6.77E-04	8.22E-04	2.89E-03	U
AP	COL	436558004	9/27/2017	Ce-144	8.19E-04	6.26E-04	2.20E-03	U
AP	COL	436558004	9/27/2017	Co-57	-1.51E-05	7.65E-05	2.60E-04	U
AP	COL	436558004	9/27/2017	Co-58	-1.46E-04	2.55E-04	7.35E-04	U
AP	COL	436558004	9/27/2017	Co-60	1.18E-04	1.46E-04	5.44E-04	U
AP	COL	436558004	9/27/2017	Cr-51	-2.14E-03	7.18E-03	2.34E-02	U
AP	COL	436558004	9/27/2017	Cs-134	-6.08E-06	1.37E-04	4.40E-04	U
AP	COL	436558004	9/27/2017	Cs-137	1.73E-04	1.30E-04	4.41E-04	U
AP	COL	436558004	9/27/2017	Fe-59	-6.00E-05	9.42E-04	2.96E-03	U
AP	COL	436558004	9/27/2017	I-131	8.95E-01	7.82E-01	0.00E+00	UI
AP	COL	436558004	9/27/2017	K-40	1.09E-03	1.85E-03	7.07E-03	U
AP	COL	436558004	9/27/2017	La-140	2.95E-02	2.71E-02	1.02E-01	U
AP	COL	436558004	9/27/2017	Mn-54	9.65E-05	1.44E-04	5.00E-04	U
AP	COL	436558004	9/27/2017	Nb-95	6.39E-04	3.97E-04	7.40E-04	U
AP	COL	436558004	9/27/2017	Ru-103	-2.41E-04	4.33E-04	1.32E-03	U
AP	COL	436558004	9/27/2017	Ru-106	7.58E-04	1.23E-03	4.26E-03	U
AP	COL	436558004	9/27/2017	Sb-124	1.80E-05	5.07E-04	1.71E-03	U
AP	COL	436558004	9/27/2017	Sb-125	3.34E-04	2.87E-04	1.02E-03	U
AP	COL	436558004	9/27/2017	Se-75	5.05E-05	1.96E-04	6.36E-04	U
AP	COL	436558004	9/27/2017	Th-228	-3.48E-04	1.85E-04	5.26E-04	U
AP	COL	436558004	9/27/2017	Zn-65	1.23E-04	3.95E-04	1.31E-03	U
AP	COL	436558004	9/27/2017	Zr-95	-1.89E-04	4.36E-04	1.29E-03	U
AP	ONS-1	436558005	9/27/2017	Ac-228	-2.37E-04	5.12E-04	1.59E-03	U
AP	ONS-1	436558005	9/27/2017	Ag-108m	2.94E-05	1.02E-04	3.49E-04	U
AP	ONS-1	436558005	9/27/2017	Ag-110m	4.23E-05	2.43E-04	7.95E-04	U
AP	ONS-1	436558005	9/27/2017	Ba-140	2.42E-02	6.19E-02	2.12E-01	U
AP	ONS-1	436558005	9/27/2017	Be-7	1.49E-01	1.29E-02	9.61E-03	
AP	ONS-1	436558005	9/27/2017	Ce-141	4.05E-03	2.05E-03	2.29E-03	UI
AP	ONS-1	436558005	9/27/2017	Ce-144	3.65E-04	7.75E-04	2.54E-03	U
AP	ONS-1	436558005	9/27/2017	Co-57	-6.08E-06	9.53E-05	3.05E-04	U
AP	ONS-1	436558005	9/27/2017	Co-58	-2.83E-04	2.62E-04	6.40E-04	U
AP	ONS-1	436558005	9/27/2017	Co-60	-1.26E-04	1.31E-04	3.29E-04	U
AP	ONS-1	436558005	9/27/2017	Cr-51	5.34E-03	8.37E-03	2.94E-02	U
AP	ONS-1	436558005	9/27/2017	Cs-134	2.78E-04	1.38E-04	5.30E-04	U
AP	ONS-1	436558005	9/27/2017	Cs-137	1.23E-04	1.30E-04	4.61E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	436558005	9/27/2017	Fe-59	1.01E-03	1.06E-03	3.97E-03	U
AP	ONS-1	436558005	9/27/2017	I-131	-3.12E-02	2.85E-01	0.00E+00	U
AP	ONS-1	436558005	9/27/2017	K-40	-2.06E-03	2.26E-03	7.22E-03	U
AP	ONS-1	436558005	9/27/2017	La-140	-2.90E-02	1.81E-02	0.00E+00	U
AP	ONS-1	436558005	9/27/2017	Mn-54	1.27E-04	1.17E-04	4.38E-04	U
AP	ONS-1	436558005	9/27/2017	Nb-95	5.27E-04	2.74E-04	4.85E-04	UI
AP	ONS-1	436558005	9/27/2017	Ru-103	-1.46E-04	5.14E-04	1.65E-03	U
AP	ONS-1	436558005	9/27/2017	Ru-106	1.83E-03	1.34E-03	4.82E-03	U
AP	ONS-1	436558005	9/27/2017	Sb-124	8.00E-04	5.96E-04	2.64E-03	U
AP	ONS-1	436558005	9/27/2017	Sb-125	-2.19E-04	3.51E-04	1.10E-03	U
AP	ONS-1	436558005	9/27/2017	Se-75	-7.52E-05	2.17E-04	7.26E-04	U
AP	ONS-1	436558005	9/27/2017	Th-228	-5.42E-04	2.78E-04	7.57E-04	U
AP	ONS-1	436558005	9/27/2017	Zn-65	6.84E-05	3.18E-04	1.11E-03	U
AP	ONS-1	436558005	9/27/2017	Zr-95	-2.25E-04	4.64E-04	1.36E-03	U
AP	ONS-2	436558006	9/27/2017	Ac-228	-4.71E-04	5.06E-04	1.64E-03	U
AP	ONS-2	436558006	9/27/2017	Ag-108m	4.14E-05	8.60E-05	2.95E-04	U
AP	ONS-2	436558006	9/27/2017	Ag-110m	-2.26E-04	1.54E-04	3.42E-04	U
AP	ONS-2	436558006	9/27/2017	Ba-140	-4.61E-02	3.92E-02	9.83E-02	U
AP	ONS-2	436558006	9/27/2017	Be-7	1.48E-01	1.23E-02	8.16E-03	
AP	ONS-2	436558006	9/27/2017	Ce-141	-1.07E-03	7.44E-04	2.06E-03	U
AP	ONS-2	436558006	9/27/2017	Ce-144	-2.35E-04	4.66E-04	1.41E-03	U
AP	ONS-2	436558006	9/27/2017	Co-57	-6.67E-05	7.21E-05	2.10E-04	U
AP	ONS-2	436558006	9/27/2017	Co-58	-2.01E-05	2.05E-04	6.86E-04	U
AP	ONS-2	436558006	9/27/2017	Co-60	5.75E-05	8.54E-05	3.24E-04	U
AP	ONS-2	436558006	9/27/2017	Cr-51	-9.11E-03	6.64E-03	1.86E-02	U
AP	ONS-2	436558006	9/27/2017	Cs-134	1.39E-04	1.06E-04	4.05E-04	U
AP	ONS-2	436558006	9/27/2017	Cs-137	-2.59E-05	1.22E-04	3.81E-04	U
AP	ONS-2	436558006	9/27/2017	Fe-59	1.04E-03	9.50E-04	3.51E-03	U
AP	ONS-2	436558006	9/27/2017	I-131	5.77E-02	2.08E-01	0.00E+00	UI
AP	ONS-2	436558006	9/27/2017	K-40	-5.77E-04	1.89E-03	7.00E-03	U
AP	ONS-2	436558006	9/27/2017	La-140	-3.56E-02	2.26E-02	3.68E-02	U
AP	ONS-2	436558006	9/27/2017	Mn-54	-6.53E-05	1.07E-04	3.27E-04	U
AP	ONS-2	436558006	9/27/2017	Nb-95	3.76E-04	2.61E-04	9.51E-04	U
AP	ONS-2	436558006	9/27/2017	Ru-103	7.14E-06	3.73E-04	1.23E-03	U
AP	ONS-2	436558006	9/27/2017	Ru-106	-4.41E-05	1.04E-03	3.33E-03	U
AP	ONS-2	436558006	9/27/2017	Sb-124	6.27E-04	6.87E-04	2.65E-03	U
AP	ONS-2	436558006	9/27/2017	Sb-125	6.87E-04	5.16E-04	9.68E-04	U
AP	ONS-2	436558006	9/27/2017	Se-75	7.91E-05	1.72E-04	6.01E-04	U
AP	ONS-2	436558006	9/27/2017	Th-228	8.88E-05	2.52E-04	6.29E-04	U
AP	ONS-2	436558006	9/27/2017	Zn-65	2.72E-04	2.88E-04	1.07E-03	U
AP	ONS-2	436558006	9/27/2017	Zr-95	1.62E-04	4.16E-04	1.40E-03	U
AP	ONS-3	436558007	9/27/2017	Ac-228	-1.54E-04	4.91E-04	1.71E-03	U
AP	ONS-3	436558007	9/27/2017	Ag-108m	1.89E-04	1.05E-04	3.22E-04	U
AP	ONS-3	436558007	9/27/2017	Ag-110m	-4.25E-04	2.19E-04	3.76E-04	U
AP	ONS-3	436558007	9/27/2017	Ba-140	1.12E-02	5.18E-02	1.71E-01	U
AP	ONS-3	436558007	9/27/2017	Be-7	1.70E-01	1.34E-02	7.62E-03	
AP	ONS-3	436558007	9/27/2017	Ce-141	4.86E-04	8.56E-04	2.78E-03	U
AP	ONS-3	436558007	9/27/2017	Ce-144	-2.35E-04	6.45E-04	1.95E-03	U
AP	ONS-3	436558007	9/27/2017	Co-57	3.11E-05	7.81E-05	2.54E-04	U
AP	ONS-3	436558007	9/27/2017	Co-58	-4.05E-05	2.27E-04	7.38E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	436558007	9/27/2017	Co-60	1.14E-05	1.46E-04	4.78E-04	U
AP	ONS-3	436558007	9/27/2017	Cr-51	-6.79E-04	7.97E-03	2.63E-02	U
AP	ONS-3	436558007	9/27/2017	Cs-134	8.32E-05	1.22E-04	4.44E-04	U
AP	ONS-3	436558007	9/27/2017	Cs-137	-2.00E-05	1.27E-04	4.25E-04	U
AP	ONS-3	436558007	9/27/2017	Fe-59	-9.47E-04	1.05E-03	2.12E-03	U
AP	ONS-3	436558007	9/27/2017	I-131	-4.99E-01	3.09E-01	0.00E+00	U
AP	ONS-3	436558007	9/27/2017	K-40	2.30E-03	2.11E-03	7.97E-03	U
AP	ONS-3	436558007	9/27/2017	La-140	1.06E-02	2.05E-02	7.54E-02	U
AP	ONS-3	436558007	9/27/2017	Mn-54	1.62E-04	1.04E-04	4.16E-04	U
AP	ONS-3	436558007	9/27/2017	Nb-95	-1.17E-04	2.74E-04	9.17E-04	U
AP	ONS-3	436558007	9/27/2017	Ru-103	-8.73E-05	5.56E-04	1.76E-03	U
AP	ONS-3	436558007	9/27/2017	Ru-106	-2.19E-04	9.87E-04	3.01E-03	U
AP	ONS-3	436558007	9/27/2017	Sb-124	5.21E-04	8.79E-04	3.25E-03	U
AP	ONS-3	436558007	9/27/2017	Sb-125	4.71E-05	2.83E-04	9.61E-04	U
AP	ONS-3	436558007	9/27/2017	Se-75	4.97E-05	2.24E-04	7.65E-04	U
AP	ONS-3	436558007	9/27/2017	Th-228	2.83E-04	4.35E-04	7.80E-04	U
AP	ONS-3	436558007	9/27/2017	Zn-65	-3.40E-04	3.62E-04	9.50E-04	U
AP	ONS-3	436558007	9/27/2017	Zr-95	2.77E-04	4.80E-04	1.73E-03	U
AP	ONS-4	436558008	9/27/2017	Ac-228	-7.12E-05	3.24E-04	1.19E-03	U
AP	ONS-4	436558008	9/27/2017	Ag-108m	2.73E-05	6.96E-05	2.41E-04	U
AP	ONS-4	436558008	9/27/2017	Ag-110m	-1.43E-04	1.60E-04	4.14E-04	U
AP	ONS-4	436558008	9/27/2017	Ba-140	-9.97E-03	3.05E-02	9.54E-02	U
AP	ONS-4	436558008	9/27/2017	Be-7	1.67E-01	1.26E-02	5.73E-03	
AP	ONS-4	436558008	9/27/2017	Ce-141	-9.50E-04	7.37E-04	2.16E-03	U
AP	ONS-4	436558008	9/27/2017	Ce-144	-2.54E-04	4.96E-04	1.54E-03	U
AP	ONS-4	436558008	9/27/2017	Co-57	-1.94E-05	6.43E-05	1.88E-04	U
AP	ONS-4	436558008	9/27/2017	Co-58	-1.04E-04	2.05E-04	5.98E-04	U
AP	ONS-4	436558008	9/27/2017	Co-60	-8.09E-05	9.91E-05	2.62E-04	U
AP	ONS-4	436558008	9/27/2017	Cr-51	3.67E-03	5.73E-03	2.03E-02	U
AP	ONS-4	436558008	9/27/2017	Cs-134	-1.32E-04	1.32E-04	3.53E-04	U
AP	ONS-4	436558008	9/27/2017	Cs-137	-1.40E-04	1.27E-04	4.04E-04	U
AP	ONS-4	436558008	9/27/2017	Fe-59	-1.42E-04	6.85E-04	2.22E-03	U
AP	ONS-4	436558008	9/27/2017	I-131	-6.87E-02	1.78E-01	0.00E+00	U
AP	ONS-4	436558008	9/27/2017	K-40	-7.78E-05	1.48E-03	5.49E-03	U
AP	ONS-4	436558008	9/27/2017	La-140	1.76E-02	1.55E-02	6.10E-02	U
AP	ONS-4	436558008	9/27/2017	Mn-54	0.00E+00	0.00E+00	3.61E-04	U
AP	ONS-4	436558008	9/27/2017	Nb-95	-2.85E-04	2.31E-04	5.59E-04	U
AP	ONS-4	436558008	9/27/2017	Ru-103	5.68E-04	3.88E-04	1.40E-03	U
AP	ONS-4	436558008	9/27/2017	Ru-106	-9.86E-04	9.55E-04	2.61E-03	U
AP	ONS-4	436558008	9/27/2017	Sb-124	3.10E-04	3.07E-04	1.39E-03	U
AP	ONS-4	436558008	9/27/2017	Sb-125	-2.64E-04	2.19E-04	6.07E-04	U
AP	ONS-4	436558008	9/27/2017	Se-75	7.84E-05	1.66E-04	5.36E-04	U
AP	ONS-4	436558008	9/27/2017	Th-228	1.83E-04	2.56E-04	5.92E-04	U
AP	ONS-4	436558008	9/27/2017	Zn-65	-1.30E-05	2.73E-04	9.12E-04	U
AP	ONS-4	436558008	9/27/2017	Zr-95	-2.13E-05	3.64E-04	1.16E-03	U
AP	ONS-5	436558009	9/27/2017	Ac-228	-5.27E-04	5.43E-04	1.72E-03	U
AP	ONS-5	436558009	9/27/2017	Ag-108m	2.46E-04	1.07E-04	3.67E-04	U
AP	ONS-5	436558009	9/27/2017	Ag-110m	-5.55E-05	2.07E-04	6.74E-04	U
AP	ONS-5	436558009	9/27/2017	Ba-140	-1.10E-01	5.89E-02	1.22E-01	U
AP	ONS-5	436558009	9/27/2017	Be-7	1.77E-01	1.32E-02	8.64E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	436558009	9/27/2017	Ce-141	3.75E-03	1.65E-03	2.24E-03	UI
AP	ONS-5	436558009	9/27/2017	Ce-144	3.52E-04	5.96E-04	2.07E-03	U
AP	ONS-5	436558009	9/27/2017	Co-57	-6.79E-06	7.51E-05	2.52E-04	U
AP	ONS-5	436558009	9/27/2017	Co-58	-3.57E-04	2.30E-04	5.12E-04	U
AP	ONS-5	436558009	9/27/2017	Co-60	-3.14E-05	1.36E-04	4.29E-04	U
AP	ONS-5	436558009	9/27/2017	Cr-51	-2.99E-03	8.50E-03	2.71E-02	U
AP	ONS-5	436558009	9/27/2017	Cs-134	3.60E-04	1.66E-04	6.11E-04	U
AP	ONS-5	436558009	9/27/2017	Cs-137	-2.08E-05	9.78E-05	3.00E-04	U
AP	ONS-5	436558009	9/27/2017	Fe-59	6.43E-04	7.36E-04	2.80E-03	U
AP	ONS-5	436558009	9/27/2017	I-131	-3.06E-01	2.11E-01	0.00E+00	U
AP	ONS-5	436558009	9/27/2017	K-40	-7.68E-05	1.93E-03	6.59E-03	U
AP	ONS-5	436558009	9/27/2017	La-140	-1.79E-02	1.81E-02	4.06E-02	U
AP	ONS-5	436558009	9/27/2017	Mn-54	-1.47E-04	1.31E-04	3.57E-04	U
AP	ONS-5	436558009	9/27/2017	Nb-95	3.75E-05	2.17E-04	7.10E-04	U
AP	ONS-5	436558009	9/27/2017	Ru-103	5.59E-04	4.40E-04	1.58E-03	U
AP	ONS-5	436558009	9/27/2017	Ru-106	1.37E-03	1.32E-03	4.60E-03	U
AP	ONS-5	436558009	9/27/2017	Sb-124	-7.71E-04	9.24E-04	2.39E-03	U
AP	ONS-5	436558009	9/27/2017	Sb-125	3.79E-04	2.84E-04	1.01E-03	U
AP	ONS-5	436558009	9/27/2017	Se-75	6.09E-05	1.83E-04	6.19E-04	U
AP	ONS-5	436558009	9/27/2017	Th-228	1.32E-04	1.90E-04	6.53E-04	U
AP	ONS-5	436558009	9/27/2017	Zn-65	2.61E-04	3.37E-04	1.23E-03	U
AP	ONS-5	436558009	9/27/2017	Zr-95	-3.89E-04	4.42E-04	1.12E-03	U
AP	ONS-6	436558010	9/27/2017	Ac-228	8.83E-06	3.89E-04	1.40E-03	U
AP	ONS-6	436558010	9/27/2017	Ag-108m	-8.36E-05	6.69E-05	1.81E-04	U
AP	ONS-6	436558010	9/27/2017	Ag-110m	3.82E-04	1.64E-04	6.36E-04	U
AP	ONS-6	436558010	9/27/2017	Ba-140	-3.91E-02	3.50E-02	9.09E-02	U
AP	ONS-6	436558010	9/27/2017	Be-7	1.37E-01	1.11E-02	8.01E-03	
AP	ONS-6	436558010	9/27/2017	Ce-141	1.16E-03	9.50E-04	1.75E-03	U
AP	ONS-6	436558010	9/27/2017	Ce-144	-3.58E-05	4.38E-04	1.41E-03	U
AP	ONS-6	436558010	9/27/2017	Co-57	-7.50E-05	7.20E-05	2.10E-04	U
AP	ONS-6	436558010	9/27/2017	Co-58	-1.31E-04	1.93E-04	5.32E-04	U
AP	ONS-6	436558010	9/27/2017	Co-60	-3.96E-05	9.63E-05	2.88E-04	U
AP	ONS-6	436558010	9/27/2017	Cr-51	1.39E-03	5.47E-03	1.90E-02	U
AP	ONS-6	436558010	9/27/2017	Cs-134	2.16E-04	1.27E-04	4.66E-04	U
AP	ONS-6	436558010	9/27/2017	Cs-137	4.87E-05	7.91E-05	2.79E-04	U
AP	ONS-6	436558010	9/27/2017	Fe-59	-7.16E-05	7.42E-04	2.46E-03	U
AP	ONS-6	436558010	9/27/2017	I-131	-1.80E-01	2.14E-01	0.00E+00	U
AP	ONS-6	436558010	9/27/2017	K-40	-5.71E-04	1.28E-03	4.75E-03	U
AP	ONS-6	436558010	9/27/2017	La-140	2.23E-02	1.76E-02	6.98E-02	U
AP	ONS-6	436558010	9/27/2017	Mn-54	-1.03E-04	1.18E-04	3.17E-04	U
AP	ONS-6	436558010	9/27/2017	Nb-95	-2.09E-04	2.51E-04	6.93E-04	U
AP	ONS-6	436558010	9/27/2017	Ru-103	7.17E-04	3.81E-04	1.39E-03	U
AP	ONS-6	436558010	9/27/2017	Ru-106	-1.43E-03	9.36E-04	2.13E-03	U
AP	ONS-6	436558010	9/27/2017	Sb-124	-9.21E-04	6.16E-04	5.97E-04	U
AP	ONS-6	436558010	9/27/2017	Sb-125	-3.03E-04	2.30E-04	6.23E-04	U
AP	ONS-6	436558010	9/27/2017	Se-75	5.82E-05	1.50E-04	4.83E-04	U
AP	ONS-6	436558010	9/27/2017	Th-228	-1.48E-04	1.60E-04	4.72E-04	U
AP	ONS-6	436558010	9/27/2017	Zn-65	-5.99E-05	2.28E-04	7.30E-04	U
AP	ONS-6	436558010	9/27/2017	Zr-95	-4.98E-05	4.86E-04	1.55E-03	U
AP	NBF	434504001	10/4/2017	BETA	2.68E-02	1.62E-03	1.30E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	434504002	10/4/2017	BETA	2.30E-02	1.45E-03	1.22E-03	
AP	DOW	434504003	10/4/2017	BETA	2.32E-02	1.51E-03	1.30E-03	
AP	COL	434504004	10/4/2017	BETA	2.38E-02	1.47E-03	1.21E-03	
AP	ONS-1	434504005	10/4/2017	BETA	2.58E-02	1.59E-03	1.30E-03	
AP	ONS-2	434504006	10/4/2017	BETA	2.78E-02	1.62E-03	1.27E-03	
AP	ONS-3	434504007	10/4/2017	BETA	2.60E-02	1.57E-03	1.27E-03	
AP	ONS-4	434504008	10/4/2017	BETA	2.52E-02	1.51E-03	1.21E-03	
AP	ONS-5	434504009	10/4/2017	BETA	2.55E-02	1.56E-03	1.27E-03	
AP	ONS-6	434504010	10/4/2017	BETA	2.18E-02	1.46E-03	1.29E-03	
AP	NBF	435246001	10/11/2017	BETA	4.20E-02	2.05E-03	1.35E-03	
AP	SBN	435246002	10/11/2017	BETA	4.29E-02	1.98E-03	1.24E-03	
AP	DOW	435246003	10/11/2017	BETA	3.66E-02	1.90E-03	1.34E-03	
AP	COL	435246004	10/11/2017	BETA	3.91E-02	1.92E-03	1.27E-03	
AP	ONS-1	435246005	10/11/2017	BETA	3.89E-02	1.97E-03	1.35E-03	
AP	ONS-2	435246006	10/11/2017	BETA	3.97E-02	1.92E-03	1.26E-03	
AP	ONS-3	435246007	10/11/2017	BETA	4.36E-02	2.06E-03	1.32E-03	
AP	ONS-4	435246008	10/11/2017	BETA	4.16E-02	1.96E-03	1.24E-03	
AP	ONS-5	435246009	10/11/2017	BETA	3.95E-02	1.96E-03	1.31E-03	
AP	ONS-6	435246010	10/11/2017	BETA	3.90E-02	1.96E-03	1.33E-03	
AP	NBF	435541001	10/18/2017	BETA	2.70E-02	1.63E-03	1.31E-03	
AP	SBN	435541002	10/18/2017	BETA	2.73E-02	1.58E-03	1.22E-03	
AP	DOW	435541003	10/18/2017	BETA	2.61E-02	1.61E-03	1.32E-03	
AP	COL	435541004	10/18/2017	BETA	2.99E-02	1.67E-03	1.26E-03	
AP	ONS-1	435541005	10/18/2017	BETA	3.06E-02	1.73E-03	1.30E-03	
AP	ONS-2	435541006	10/18/2017	BETA	3.06E-02	1.70E-03	1.27E-03	
AP	ONS-3	435541007	10/18/2017	BETA	3.05E-02	1.70E-03	1.27E-03	
AP	ONS-4	435541008	10/18/2017	BETA	3.05E-02	1.66E-03	1.22E-03	
AP	ONS-5	435541009	10/18/2017	BETA	2.65E-02	1.58E-03	1.26E-03	
AP	ONS-6	435541010	10/18/2017	BETA	2.96E-02	1.70E-03	1.31E-03	
AP	NBF	436477001	10/25/2017	BETA	2.56E-02	3.14E-03	1.30E-03	
AP	SBN	436477002	10/25/2017	BETA	2.41E-02	2.96E-03	1.24E-03	
AP	DOW	436477003	10/25/2017	BETA	2.67E-02	3.17E-03	1.28E-03	
AP	COL	436477004	10/25/2017	BETA	2.30E-02	2.89E-03	1.23E-03	
AP	ONS-1	436477005	10/25/2017	BETA	2.56E-02	3.17E-03	1.33E-03	
AP	ONS-2	436477006	10/25/2017	BETA	2.49E-02	2.95E-03	1.19E-03	
AP	ONS-3	436477007	10/25/2017	BETA	2.41E-02	3.01E-03	1.27E-03	
AP	ONS-4	436477008	10/25/2017	BETA	2.81E-02	3.14E-03	1.20E-03	
AP	ONS-5	436477009	10/25/2017	BETA	2.31E-02	2.97E-03	1.28E-03	
AP	ONS-6	436477010	10/25/2017	BETA	2.58E-02	3.12E-03	1.28E-03	
AP	NBF	436992001	11/1/2017	BETA	1.15E-02	1.09E-03	1.27E-03	
AP	SBN	436992002	11/1/2017	BETA	1.32E-02	1.12E-03	1.19E-03	
AP	DOW	436992003	11/1/2017	BETA	1.08E-02	1.05E-03	1.25E-03	
AP	COL	436992004	11/1/2017	BETA	1.29E-02	1.11E-03	1.19E-03	
AP	ONS-1	436992005	11/1/2017	BETA	1.23E-02	1.11E-03	1.25E-03	
AP	ONS-2	436992006	11/1/2017	BETA	1.03E-02	9.94E-04	1.17E-03	
AP	ONS-3	436992007	11/1/2017	BETA	1.35E-02	1.14E-03	1.21E-03	
AP	ONS-4	436992008	11/1/2017	BETA	1.38E-02	1.12E-03	1.15E-03	
AP	ONS-5	436992009	11/1/2017	BETA	1.02E-02	1.01E-03	1.23E-03	
AP	ONS-6	436992010	11/1/2017	BETA	1.49E-02	1.21E-03	1.25E-03	
AP	NBF	437609001	11/8/2017	BETA	2.96E-02	1.70E-03	1.22E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	437609002	11/8/2017	BETA	2.84E-02	1.59E-03	1.11E-03	
AP	DOW	437609003	11/8/2017	BETA	2.59E-02	1.57E-03	1.20E-03	
AP	COL	437609004	11/8/2017	BETA	2.78E-02	1.60E-03	1.15E-03	
AP	ONS-1	437609005	11/8/2017	BETA	2.99E-02	1.69E-03	1.20E-03	
AP	ONS-2	437609006	11/8/2017	BETA	3.00E-02	1.66E-03	1.16E-03	
AP	ONS-3	437609007	11/8/2017	BETA	3.08E-02	1.70E-03	1.18E-03	
AP	ONS-4	437609008	11/8/2017	BETA	3.05E-02	1.66E-03	1.13E-03	
AP	ONS-5	437609009	11/8/2017	BETA	2.98E-02	1.70E-03	1.22E-03	
AP	ONS-6	437609010	11/8/2017	BETA	2.86E-02	1.64E-03	1.19E-03	
AP	NBF	438231001	11/15/2017	BETA	3.22E-02	1.74E-03	1.26E-03	
AP	SBN	438231002	11/15/2017	BETA	3.40E-02	1.74E-03	1.19E-03	
AP	DOW	438231003	11/15/2017	BETA	3.60E-02	1.84E-03	1.26E-03	
AP	COL	438231004	11/15/2017	BETA	3.46E-02	1.77E-03	1.22E-03	
AP	ONS-1	438231005	11/15/2017	BETA	3.79E-02	1.92E-03	1.30E-03	
AP	ONS-2	438231006	11/15/2017	BETA	3.05E-02	1.65E-03	1.19E-03	
AP	ONS-3	438231007	11/15/2017	BETA	3.71E-02	1.86E-03	1.25E-03	
AP	ONS-4	438231008	11/15/2017	BETA	3.93E-02	1.95E-03	1.30E-03	
AP	ONS-5	438231009	11/15/2017	BETA	3.75E-02	1.91E-03	1.30E-03	
AP	ONS-6	438231010	11/15/2017	BETA	3.49E-02	1.84E-03	1.31E-03	
AP	NBF	438632001	11/22/2017	BETA	3.97E-02	1.96E-03	1.26E-03	
AP	SBN	438632002	11/22/2017	BETA	3.30E-02	1.74E-03	1.19E-03	
AP	DOW	438632003	11/22/2017	BETA	3.15E-02	1.74E-03	1.26E-03	
AP	COL	438632004	11/22/2017	BETA	3.01E-02	1.66E-03	1.20E-03	
AP	ONS-1	438632005	11/22/2017	BETA	3.33E-02	1.78E-03	1.24E-03	
AP	ONS-2	438632006	11/22/2017	BETA	3.45E-02	1.76E-03	1.18E-03	
AP	ONS-3	438632007	11/22/2017	BETA	3.17E-02	1.72E-03	1.22E-03	
AP	ONS-4	438632008	11/22/2017	BETA	3.02E-02	1.72E-03	1.28E-03	
AP	ONS-5	438632009	11/22/2017	BETA	3.34E-02	1.81E-03	1.28E-03	
AP	ONS-6	438632010	11/22/2017	BETA	3.31E-02	1.77E-03	1.24E-03	
AP	NBF	439089001	11/29/2017	BETA	3.11E-02	1.76E-03	1.30E-03	
AP	SBN	439089002	11/29/2017	BETA	2.93E-02	1.63E-03	1.19E-03	
AP	DOW	439089003	11/29/2017	BETA	3.47E-02	1.89E-03	1.34E-03	
AP	COL	439089004	11/29/2017	BETA	3.33E-02	1.78E-03	1.24E-03	
AP	ONS-1	439089005	11/29/2017	BETA	3.14E-02	1.73E-03	1.24E-03	
AP	ONS-2	439089006	11/29/2017	BETA	3.64E-02	1.82E-03	1.19E-03	
AP	ONS-3	439089007	11/29/2017	BETA	3.29E-02	1.77E-03	1.25E-03	
AP	ONS-4	439089008	11/29/2017	BETA	3.20E-02	1.78E-03	1.29E-03	
AP	ONS-5	439089009	11/29/2017	BETA	3.84E-02	1.92E-03	1.25E-03	
AP	ONS-6	439089010	11/29/2017	BETA	3.46E-02	1.80E-03	1.23E-03	
AP	NBF	439663001	12/6/2017	BETA	3.91E-02	1.95E-03	1.24E-03	
AP	SBN	439663002	12/6/2017	BETA	3.89E-02	1.87E-03	1.14E-03	
AP	DOW	439663003	12/6/2017	BETA	3.36E-02	1.78E-03	1.21E-03	
AP	COL	439663004	12/6/2017	BETA	3.55E-02	1.83E-03	1.20E-03	
AP	ONS-1	439663005	12/6/2017	BETA	3.34E-02	1.80E-03	1.24E-03	
AP	ONS-2	439663006	12/6/2017	BETA	3.29E-02	1.77E-03	1.22E-03	
AP	ONS-3	439663007	12/6/2017	BETA	3.72E-02	1.86E-03	1.18E-03	
AP	ONS-4	439663008	12/6/2017	BETA	3.99E-02	1.96E-03	1.23E-03	
AP	ONS-5	439663009	12/6/2017	BETA	3.79E-02	1.91E-03	1.22E-03	
AP	ONS-6	439663010	12/6/2017	BETA	3.42E-02	1.77E-03	1.17E-03	
AP	NBF	440158001	12/13/2017	BETA	3.32E-02	1.54E-03	1.30E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	SBN	440158002	12/13/2017	BETA	3.54E-02	1.53E-03	1.22E-03	
AP	DOW	440158003	12/13/2017	BETA	3.46E-02	1.62E-03	1.42E-03	
AP	COL	440158004	12/13/2017	BETA	3.13E-02	1.44E-03	1.20E-03	
AP	ONS-1	440158005	12/13/2017	BETA	2.92E-02	1.46E-03	1.39E-03	
AP	ONS-2	440158006	12/13/2017	BETA	3.48E-02	1.56E-03	1.28E-03	
AP	ONS-3	440158007	12/13/2017	BETA	3.05E-02	1.53E-03	1.43E-03	
AP	ONS-4	440158008	12/13/2017	BETA	3.21E-02	1.51E-03	1.29E-03	
AP	ONS-5	440158009	12/13/2017	BETA	3.16E-02	1.54E-03	1.44E-03	
AP	ONS-6	440158010	12/13/2017	BETA	3.11E-02	1.51E-03	1.33E-03	
AP	NBF	440693001	12/20/2017	BETA	4.05E-02	1.75E-03	1.42E-03	
AP	SBN	440693002	12/20/2017	BETA	3.75E-02	1.64E-03	1.36E-03	
AP	DOW	440693003	12/20/2017	BETA	3.56E-02	1.61E-03	1.33E-03	
AP	COL	440693004	12/20/2017	BETA	3.97E-02	1.70E-03	1.35E-03	
AP	ONS-1	440693005	12/20/2017	BETA	3.90E-02	1.70E-03	1.40E-03	
AP	ONS-2	440693006	12/20/2017	BETA	4.24E-02	1.72E-03	1.29E-03	
AP	ONS-3	440693007	12/20/2017	BETA	4.08E-02	1.74E-03	1.36E-03	
AP	ONS-4	440693008	12/20/2017	BETA	4.00E-02	1.74E-03	1.43E-03	
AP	ONS-5	440693009	12/20/2017	BETA	3.91E-02	1.69E-03	1.33E-03	
AP	ONS-6	440693010	12/20/2017	BETA	4.05E-02	1.73E-03	1.36E-03	
AP	NBF	440848001	12/27/2017	BETA	3.16E-02	1.50E-03	1.28E-03	
AP	SBN	440848002	12/27/2017	BETA	3.15E-02	1.48E-03	1.31E-03	
AP	DOW	440848003	12/27/2017	BETA	3.43E-02	1.59E-03	1.33E-03	
AP	COL	440848004	12/27/2017	BETA	3.20E-02	1.46E-03	1.22E-03	
AP	ONS-1	440848005	12/27/2017	BETA	3.28E-02	1.57E-03	1.41E-03	
AP	ONS-2	440848006	12/27/2017	BETA	3.29E-02	1.52E-03	1.27E-03	
AP	ONS-3	440848007	12/27/2017	BETA	3.62E-02	1.61E-03	1.31E-03	
AP	ONS-4	440848008	12/27/2017	BETA	3.21E-02	1.53E-03	1.37E-03	
AP	ONS-5	440848009	12/27/2017	BETA	3.20E-02	1.51E-03	1.28E-03	
AP	ONS-6	440848010	12/27/2017	BETA	3.32E-02	1.54E-03	1.31E-03	
AP	NBF	441642001	12/27/2017	Ac-228	-5.02E-04	4.63E-04	1.59E-03	U
AP	NBF	441642001	12/27/2017	Ag-108m	-5.30E-05	7.85E-05	2.30E-04	U
AP	NBF	441642001	12/27/2017	Ag-110m	8.94E-05	1.72E-04	6.19E-04	U
AP	NBF	441642001	12/27/2017	Ba-140	-9.26E-03	1.52E-02	4.48E-02	U
AP	NBF	441642001	12/27/2017	Be-7	1.20E-01	9.70E-03	6.53E-03	
AP	NBF	441642001	12/27/2017	Ce-141	-4.17E-04	4.98E-04	1.56E-03	U
AP	NBF	441642001	12/27/2017	Ce-144	1.49E-05	5.55E-04	1.88E-03	U
AP	NBF	441642001	12/27/2017	Co-57	5.51E-05	7.26E-05	2.53E-04	U
AP	NBF	441642001	12/27/2017	Co-58	-6.08E-05	2.02E-04	6.56E-04	U
AP	NBF	441642001	12/27/2017	Co-60	2.76E-04	1.66E-04	6.34E-04	U
AP	NBF	441642001	12/27/2017	Cr-51	-1.42E-03	4.61E-03	1.48E-02	U
AP	NBF	441642001	12/27/2017	Cs-134	-6.46E-05	1.23E-04	3.85E-04	U
AP	NBF	441642001	12/27/2017	Cs-137	-9.89E-05	1.59E-04	4.67E-04	U
AP	NBF	441642001	12/27/2017	Fe-59	4.18E-05	4.84E-04	1.65E-03	U
AP	NBF	441642001	12/27/2017	I-131	7.90E-03	2.72E-02	9.17E-02	U
AP	NBF	441642001	12/27/2017	K-40	2.18E-03	1.62E-03	4.11E-03	U
AP	NBF	441642001	12/27/2017	La-140	-2.42E-03	4.13E-03	1.09E-02	U
AP	NBF	441642001	12/27/2017	Mn-54	-1.59E-05	8.84E-05	2.90E-04	U
AP	NBF	441642001	12/27/2017	Nb-95	1.59E-04	2.48E-04	8.43E-04	U
AP	NBF	441642001	12/27/2017	Ru-103	5.22E-04	3.59E-04	1.26E-03	U
AP	NBF	441642001	12/27/2017	Ru-106	-6.81E-04	1.27E-03	3.77E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	NBF	441642001	12/27/2017	Sb-124	-6.11E-04	6.86E-04	1.73E-03	U
AP	NBF	441642001	12/27/2017	Sb-125	-1.01E-04	2.77E-04	8.62E-04	U
AP	NBF	441642001	12/27/2017	Se-75	-6.81E-05	1.80E-04	5.76E-04	U
AP	NBF	441642001	12/27/2017	Th-228	-1.10E-04	1.85E-04	5.86E-04	U
AP	NBF	441642001	12/27/2017	Zn-65	3.94E-05	2.37E-04	8.16E-04	U
AP	NBF	441642001	12/27/2017	Zr-95	-2.14E-04	4.18E-04	1.21E-03	U
AP	SBN	441642002	12/27/2017	Ac-228	2.27E-04	3.96E-04	1.45E-03	U
AP	SBN	441642002	12/27/2017	Ag-108m	7.48E-06	5.55E-05	1.89E-04	U
AP	SBN	441642002	12/27/2017	Ag-110m	4.87E-05	1.07E-04	3.72E-04	U
AP	SBN	441642002	12/27/2017	Ba-140	-4.88E-03	8.04E-03	2.36E-02	U
AP	SBN	441642002	12/27/2017	Be-7	1.06E-01	8.12E-03	2.58E-03	
AP	SBN	441642002	12/27/2017	Ce-141	2.25E-04	3.73E-04	1.24E-03	U
AP	SBN	441642002	12/27/2017	Ce-144	-2.88E-04	3.89E-04	1.16E-03	U
AP	SBN	441642002	12/27/2017	Co-57	5.37E-05	5.21E-05	1.78E-04	U
AP	SBN	441642002	12/27/2017	Co-58	-1.38E-05	1.40E-04	4.39E-04	U
AP	SBN	441642002	12/27/2017	Co-60	-7.83E-05	8.24E-05	1.92E-04	U
AP	SBN	441642002	12/27/2017	Cr-51	3.54E-03	3.63E-03	1.28E-02	U
AP	SBN	441642002	12/27/2017	Cs-134	-2.38E-05	1.23E-04	3.83E-04	U
AP	SBN	441642002	12/27/2017	Cs-137	1.02E-04	7.15E-05	2.72E-04	U
AP	SBN	441642002	12/27/2017	Fe-59	-2.11E-04	4.58E-04	1.41E-03	U
AP	SBN	441642002	12/27/2017	I-131	1.47E-02	2.50E-02	8.78E-02	U
AP	SBN	441642002	12/27/2017	K-40	3.35E-03	1.51E-03	4.18E-03	U
AP	SBN	441642002	12/27/2017	La-140	-1.07E-04	3.91E-03	1.27E-02	U
AP	SBN	441642002	12/27/2017	Mn-54	-3.59E-05	1.22E-04	3.91E-04	U
AP	SBN	441642002	12/27/2017	Nb-95	-1.23E-04	1.73E-04	4.86E-04	U
AP	SBN	441642002	12/27/2017	Ru-103	-2.49E-04	2.33E-04	6.06E-04	U
AP	SBN	441642002	12/27/2017	Ru-106	-8.53E-04	8.72E-04	2.40E-03	U
AP	SBN	441642002	12/27/2017	Sb-124	-7.12E-04	5.44E-04	1.04E-03	U
AP	SBN	441642002	12/27/2017	Sb-125	1.94E-04	2.09E-04	7.47E-04	U
AP	SBN	441642002	12/27/2017	Se-75	6.44E-05	1.30E-04	4.23E-04	U
AP	SBN	441642002	12/27/2017	Th-228	2.07E-04	1.52E-04	5.32E-04	U
AP	SBN	441642002	12/27/2017	Zn-65	-1.66E-04	2.11E-04	5.92E-04	U
AP	SBN	441642002	12/27/2017	Zr-95	-1.48E-05	2.83E-04	9.04E-04	U
AP	DOW	441642003	12/27/2017	Ac-228	2.17E-04	5.94E-04	2.11E-03	U
AP	DOW	441642003	12/27/2017	Ag-108m	5.92E-05	8.84E-05	3.11E-04	U
AP	DOW	441642003	12/27/2017	Ag-110m	-2.84E-04	2.30E-04	6.20E-04	U
AP	DOW	441642003	12/27/2017	Ba-140	2.16E-02	1.44E-02	5.29E-02	U
AP	DOW	441642003	12/27/2017	Be-7	1.26E-01	1.02E-02	8.05E-03	
AP	DOW	441642003	12/27/2017	Ce-141	-1.74E-04	5.49E-04	1.70E-03	U
AP	DOW	441642003	12/27/2017	Ce-144	-4.09E-04	5.65E-04	1.66E-03	U
AP	DOW	441642003	12/27/2017	Co-57	9.68E-07	7.60E-05	2.44E-04	U
AP	DOW	441642003	12/27/2017	Co-58	-3.24E-04	2.37E-04	5.15E-04	U
AP	DOW	441642003	12/27/2017	Co-60	-2.11E-04	1.50E-04	2.93E-04	U
AP	DOW	441642003	12/27/2017	Cr-51	4.09E-03	3.96E-03	1.42E-02	U
AP	DOW	441642003	12/27/2017	Cs-134	5.93E-06	1.42E-04	4.53E-04	U
AP	DOW	441642003	12/27/2017	Cs-137	1.39E-04	1.30E-04	4.64E-04	U
AP	DOW	441642003	12/27/2017	Fe-59	3.70E-04	4.33E-04	1.70E-03	U
AP	DOW	441642003	12/27/2017	I-131	-5.68E-02	3.49E-02	8.81E-02	U
AP	DOW	441642003	12/27/2017	K-40	1.75E-04	1.90E-03	7.44E-03	U
AP	DOW	441642003	12/27/2017	La-140	5.01E-03	5.42E-03	2.10E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	DOW	441642003	12/27/2017	Mn-54	-1.07E-04	1.66E-04	4.84E-04	U
AP	DOW	441642003	12/27/2017	Nb-95	3.18E-05	2.78E-04	8.69E-04	U
AP	DOW	441642003	12/27/2017	Ru-103	-1.58E-04	2.84E-04	8.53E-04	U
AP	DOW	441642003	12/27/2017	Ru-106	1.51E-03	1.14E-03	4.16E-03	U
AP	DOW	441642003	12/27/2017	Sb-124	5.46E-04	7.72E-04	2.81E-03	U
AP	DOW	441642003	12/27/2017	Sb-125	-4.05E-04	3.53E-04	9.99E-04	U
AP	DOW	441642003	12/27/2017	Se-75	-7.39E-05	1.95E-04	6.44E-04	U
AP	DOW	441642003	12/27/2017	Th-228	-1.51E-04	2.05E-04	7.10E-04	U
AP	DOW	441642003	12/27/2017	Zn-65	-5.31E-04	4.50E-04	1.21E-03	U
AP	DOW	441642003	12/27/2017	Zr-95	2.89E-04	4.12E-04	1.44E-03	U
AP	COL	441642004	12/27/2017	Ac-228	-1.05E-04	3.03E-04	1.03E-03	U
AP	COL	441642004	12/27/2017	Ag-108m	-3.29E-05	8.39E-05	2.68E-04	U
AP	COL	441642004	12/27/2017	Ag-110m	-8.65E-05	1.41E-04	4.29E-04	U
AP	COL	441642004	12/27/2017	Ba-140	3.59E-02	1.53E-02	4.21E-02	U
AP	COL	441642004	12/27/2017	Be-7	9.62E-02	8.62E-03	5.82E-03	
AP	COL	441642004	12/27/2017	Ce-141	-9.43E-05	4.09E-04	1.29E-03	U
AP	COL	441642004	12/27/2017	Ce-144	7.96E-05	4.64E-04	1.51E-03	U
AP	COL	441642004	12/27/2017	Co-57	2.46E-05	6.47E-05	1.99E-04	U
AP	COL	441642004	12/27/2017	Co-58	7.08E-05	1.35E-04	4.92E-04	U
AP	COL	441642004	12/27/2017	Co-60	-4.44E-05	7.45E-05	1.95E-04	U
AP	COL	441642004	12/27/2017	Cr-51	9.04E-04	3.58E-03	1.23E-02	U
AP	COL	441642004	12/27/2017	Cs-134	-1.18E-04	1.08E-04	2.82E-04	U
AP	COL	441642004	12/27/2017	Cs-137	-9.53E-05	1.10E-04	3.06E-04	U
AP	COL	441642004	12/27/2017	Fe-59	-3.05E-04	5.31E-04	1.58E-03	U
AP	COL	441642004	12/27/2017	I-131	1.67E-02	2.03E-02	7.30E-02	U
AP	COL	441642004	12/27/2017	K-40	-1.65E-03	1.28E-03	3.87E-03	U
AP	COL	441642004	12/27/2017	La-140	-2.51E-03	4.64E-03	1.28E-02	U
AP	COL	441642004	12/27/2017	Mn-54	-5.30E-05	1.19E-04	3.81E-04	U
AP	COL	441642004	12/27/2017	Nb-95	1.37E-04	1.53E-04	4.98E-04	U
AP	COL	441642004	12/27/2017	Ru-103	-5.56E-05	2.26E-04	7.19E-04	U
AP	COL	441642004	12/27/2017	Ru-106	-8.23E-04	9.32E-04	2.59E-03	U
AP	COL	441642004	12/27/2017	Sb-124	2.26E-04	2.32E-04	1.05E-03	U
AP	COL	441642004	12/27/2017	Sb-125	3.53E-05	2.06E-04	6.97E-04	U
AP	COL	441642004	12/27/2017	Se-75	-4.16E-05	1.25E-04	4.14E-04	U
AP	COL	441642004	12/27/2017	Th-228	5.53E-04	3.17E-04	6.30E-04	U
AP	COL	441642004	12/27/2017	Zn-65	1.65E-04	1.67E-04	6.58E-04	U
AP	COL	441642004	12/27/2017	Zr-95	-2.59E-04	3.01E-04	7.89E-04	U
AP	ONS-1	441642005	12/27/2017	Ac-228	4.51E-04	4.32E-04	1.45E-03	U
AP	ONS-1	441642005	12/27/2017	Ag-108m	3.75E-05	1.37E-04	2.42E-04	U
AP	ONS-1	441642005	12/27/2017	Ag-110m	9.70E-05	1.66E-04	5.79E-04	U
AP	ONS-1	441642005	12/27/2017	Ba-140	1.38E-02	1.30E-02	4.38E-02	U
AP	ONS-1	441642005	12/27/2017	Be-7	1.11E-01	8.39E-03	4.84E-03	
AP	ONS-1	441642005	12/27/2017	Ce-141	3.09E-04	4.10E-04	1.42E-03	U
AP	ONS-1	441642005	12/27/2017	Ce-144	-3.75E-05	4.77E-04	1.63E-03	U
AP	ONS-1	441642005	12/27/2017	Co-57	-7.05E-05	6.16E-05	1.93E-04	U
AP	ONS-1	441642005	12/27/2017	Co-58	2.10E-04	3.07E-04	5.64E-04	U
AP	ONS-1	441642005	12/27/2017	Co-60	-7.72E-05	1.21E-04	3.50E-04	U
AP	ONS-1	441642005	12/27/2017	Cr-51	8.86E-04	3.59E-03	1.20E-02	U
AP	ONS-1	441642005	12/27/2017	Cs-134	5.28E-05	1.01E-04	3.22E-04	U
AP	ONS-1	441642005	12/27/2017	Cs-137	-8.57E-05	8.62E-05	2.57E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-1	441642005	12/27/2017	Fe-59	1.29E-04	3.80E-04	1.31E-03	U
AP	ONS-1	441642005	12/27/2017	I-131	-1.21E-03	2.62E-02	8.54E-02	U
AP	ONS-1	441642005	12/27/2017	K-40	1.38E-03	1.62E-03	2.66E-03	U
AP	ONS-1	441642005	12/27/2017	La-140	2.67E-03	3.00E-03	1.15E-02	U
AP	ONS-1	441642005	12/27/2017	Mn-54	-1.49E-04	1.59E-04	4.38E-04	U
AP	ONS-1	441642005	12/27/2017	Nb-95	2.97E-04	2.84E-04	7.97E-04	U
AP	ONS-1	441642005	12/27/2017	Ru-103	4.03E-05	2.64E-04	8.59E-04	U
AP	ONS-1	441642005	12/27/2017	Ru-106	4.19E-04	1.07E-03	3.15E-03	U
AP	ONS-1	441642005	12/27/2017	Sb-124	-2.06E-04	3.99E-04	1.20E-03	U
AP	ONS-1	441642005	12/27/2017	Sb-125	-1.65E-06	2.52E-04	7.29E-04	U
AP	ONS-1	441642005	12/27/2017	Se-75	5.15E-05	1.64E-04	5.54E-04	U
AP	ONS-1	441642005	12/27/2017	Th-228	3.48E-04	2.73E-04	5.90E-04	U
AP	ONS-1	441642005	12/27/2017	Zn-65	1.47E-04	1.99E-04	7.15E-04	U
AP	ONS-1	441642005	12/27/2017	Zr-95	-8.88E-05	3.20E-04	1.05E-03	U
AP	ONS-2	441642006	12/27/2017	Ac-228	-8.34E-05	4.94E-04	1.63E-03	U
AP	ONS-2	441642006	12/27/2017	Ag-108m	4.87E-05	7.65E-05	2.71E-04	U
AP	ONS-2	441642006	12/27/2017	Ag-110m	8.75E-05	1.39E-04	5.13E-04	U
AP	ONS-2	441642006	12/27/2017	Ba-140	1.53E-02	1.31E-02	4.72E-02	U
AP	ONS-2	441642006	12/27/2017	Be-7	1.08E-01	8.71E-03	5.10E-03	
AP	ONS-2	441642006	12/27/2017	Ce-141	1.54E-04	3.77E-04	1.28E-03	U
AP	ONS-2	441642006	12/27/2017	Ce-144	-7.05E-05	4.07E-04	1.33E-03	U
AP	ONS-2	441642006	12/27/2017	Co-57	3.32E-05	4.35E-05	1.54E-04	U
AP	ONS-2	441642006	12/27/2017	Co-58	-1.36E-04	2.00E-04	6.12E-04	U
AP	ONS-2	441642006	12/27/2017	Co-60	4.06E-05	1.36E-04	4.66E-04	U
AP	ONS-2	441642006	12/27/2017	Cr-51	9.92E-04	3.26E-03	1.15E-02	U
AP	ONS-2	441642006	12/27/2017	Cs-134	1.87E-04	1.08E-04	4.17E-04	U
AP	ONS-2	441642006	12/27/2017	Cs-137	-1.11E-05	1.23E-04	3.94E-04	U
AP	ONS-2	441642006	12/27/2017	Fe-59	-1.23E-05	5.65E-04	1.86E-03	U
AP	ONS-2	441642006	12/27/2017	I-131	4.34E-02	2.64E-02	9.64E-02	U
AP	ONS-2	441642006	12/27/2017	K-40	9.77E-04	1.73E-03	6.28E-03	U
AP	ONS-2	441642006	12/27/2017	La-140	7.17E-03	5.38E-03	2.17E-02	U
AP	ONS-2	441642006	12/27/2017	Mn-54	4.26E-05	7.47E-05	2.80E-04	U
AP	ONS-2	441642006	12/27/2017	Nb-95	-8.18E-05	1.87E-04	5.44E-04	U
AP	ONS-2	441642006	12/27/2017	Ru-103	3.21E-04	2.72E-04	9.86E-04	U
AP	ONS-2	441642006	12/27/2017	Ru-106	1.19E-03	1.03E-03	3.71E-03	U
AP	ONS-2	441642006	12/27/2017	Sb-124	-7.73E-04	6.97E-04	1.70E-03	U
AP	ONS-2	441642006	12/27/2017	Sb-125	2.03E-05	2.33E-04	7.89E-04	U
AP	ONS-2	441642006	12/27/2017	Se-75	-1.35E-04	1.68E-04	4.80E-04	U
AP	ONS-2	441642006	12/27/2017	Th-228	2.24E-04	1.53E-04	4.70E-04	U
AP	ONS-2	441642006	12/27/2017	Zn-65	-5.79E-04	3.05E-04	4.54E-04	U
AP	ONS-2	441642006	12/27/2017	Zr-95	-2.20E-04	2.87E-04	7.41E-04	U
AP	ONS-3	441642007	12/27/2017	Ac-228	5.96E-04	5.01E-04	1.81E-03	U
AP	ONS-3	441642007	12/27/2017	Ag-108m	3.38E-05	6.54E-05	2.27E-04	U
AP	ONS-3	441642007	12/27/2017	Ag-110m	1.34E-04	1.76E-04	6.33E-04	U
AP	ONS-3	441642007	12/27/2017	Ba-140	-1.23E-03	9.21E-03	2.93E-02	U
AP	ONS-3	441642007	12/27/2017	Be-7	1.28E-01	9.43E-03	4.69E-03	
AP	ONS-3	441642007	12/27/2017	Ce-141	1.21E-03	8.88E-04	1.25E-03	U
AP	ONS-3	441642007	12/27/2017	Ce-144	7.09E-04	4.41E-04	1.47E-03	U
AP	ONS-3	441642007	12/27/2017	Co-57	4.17E-05	5.03E-05	1.70E-04	U
AP	ONS-3	441642007	12/27/2017	Co-58	8.30E-05	1.97E-04	6.90E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-3	441642007	12/27/2017	Co-60	1.13E-05	1.36E-04	4.45E-04	U
AP	ONS-3	441642007	12/27/2017	Cr-51	4.66E-03	3.40E-03	1.20E-02	U
AP	ONS-3	441642007	12/27/2017	Cs-134	-1.72E-04	1.28E-04	3.35E-04	U
AP	ONS-3	441642007	12/27/2017	Cs-137	2.43E-05	1.06E-04	3.13E-04	U
AP	ONS-3	441642007	12/27/2017	Fe-59	5.88E-04	5.69E-04	2.10E-03	U
AP	ONS-3	441642007	12/27/2017	I-131	-1.43E-02	2.63E-02	8.35E-02	U
AP	ONS-3	441642007	12/27/2017	K-40	1.27E-03	1.97E-03	5.07E-03	U
AP	ONS-3	441642007	12/27/2017	La-140	-4.14E-03	4.85E-03	1.28E-02	U
AP	ONS-3	441642007	12/27/2017	Mn-54	5.98E-05	1.09E-04	3.90E-04	U
AP	ONS-3	441642007	12/27/2017	Nb-95	-1.04E-04	1.70E-04	5.20E-04	U
AP	ONS-3	441642007	12/27/2017	Ru-103	8.04E-06	2.61E-04	8.57E-04	U
AP	ONS-3	441642007	12/27/2017	Ru-106	4.29E-04	1.07E-03	3.25E-03	U
AP	ONS-3	441642007	12/27/2017	Sb-124	2.51E-04	4.19E-04	1.60E-03	U
AP	ONS-3	441642007	12/27/2017	Sb-125	-2.31E-04	2.21E-04	6.26E-04	U
AP	ONS-3	441642007	12/27/2017	Se-75	-8.60E-05	1.54E-04	5.04E-04	U
AP	ONS-3	441642007	12/27/2017	Th-228	2.34E-04	2.30E-04	5.74E-04	U
AP	ONS-3	441642007	12/27/2017	Zn-65	5.37E-04	2.79E-04	1.08E-03	U
AP	ONS-3	441642007	12/27/2017	Zr-95	2.40E-04	3.26E-04	1.19E-03	U
AP	ONS-4	441642008	12/27/2017	Ac-228	-1.51E-04	2.78E-04	8.57E-04	U
AP	ONS-4	441642008	12/27/2017	Ag-108m	-8.52E-05	5.48E-05	1.29E-04	U
AP	ONS-4	441642008	12/27/2017	Ag-110m	-3.99E-05	9.08E-05	2.72E-04	U
AP	ONS-4	441642008	12/27/2017	Ba-140	-5.20E-03	8.29E-03	2.27E-02	U
AP	ONS-4	441642008	12/27/2017	Be-7	9.86E-02	6.43E-03	3.78E-03	
AP	ONS-4	441642008	12/27/2017	Ce-141	-5.18E-04	3.08E-04	8.31E-04	U
AP	ONS-4	441642008	12/27/2017	Ce-144	1.72E-04	2.98E-04	9.77E-04	U
AP	ONS-4	441642008	12/27/2017	Co-57	-2.68E-05	4.01E-05	1.24E-04	U
AP	ONS-4	441642008	12/27/2017	Co-58	-9.58E-05	1.14E-04	3.25E-04	U
AP	ONS-4	441642008	12/27/2017	Co-60	6.36E-05	6.80E-05	2.45E-04	U
AP	ONS-4	441642008	12/27/2017	Cr-51	-1.22E-03	1.99E-03	6.48E-03	U
AP	ONS-4	441642008	12/27/2017	Cs-134	1.78E-05	6.38E-05	2.10E-04	U
AP	ONS-4	441642008	12/27/2017	Cs-137	6.84E-05	5.77E-05	2.00E-04	U
AP	ONS-4	441642008	12/27/2017	Fe-59	9.81E-05	3.29E-04	1.14E-03	U
AP	ONS-4	441642008	12/27/2017	I-131	6.95E-03	1.66E-02	5.69E-02	U
AP	ONS-4	441642008	12/27/2017	K-40	2.91E-03	1.18E-03	1.36E-03	UI
AP	ONS-4	441642008	12/27/2017	La-140	-1.72E-03	2.56E-03	7.30E-03	U
AP	ONS-4	441642008	12/27/2017	Mn-54	1.05E-05	6.24E-05	2.03E-04	U
AP	ONS-4	441642008	12/27/2017	Nb-95	1.73E-05	1.36E-04	4.12E-04	U
AP	ONS-4	441642008	12/27/2017	Ru-103	-6.78E-05	1.47E-04	4.66E-04	U
AP	ONS-4	441642008	12/27/2017	Ru-106	-9.10E-05	6.06E-04	1.96E-03	U
AP	ONS-4	441642008	12/27/2017	Sb-124	3.30E-04	3.28E-04	1.19E-03	U
AP	ONS-4	441642008	12/27/2017	Sb-125	-2.61E-04	1.60E-04	4.36E-04	U
AP	ONS-4	441642008	12/27/2017	Se-75	-5.66E-05	9.84E-05	3.27E-04	U
AP	ONS-4	441642008	12/27/2017	Th-228	1.08E-04	1.50E-04	2.82E-04	U
AP	ONS-4	441642008	12/27/2017	Zn-65	-2.39E-04	1.83E-04	4.84E-04	U
AP	ONS-4	441642008	12/27/2017	Zr-95	3.41E-04	2.25E-04	7.70E-04	U
AP	ONS-5	441642009	12/27/2017	Ac-228	4.03E-04	4.40E-04	1.15E-03	U
AP	ONS-5	441642009	12/27/2017	Ag-108m	2.53E-05	5.03E-05	1.72E-04	U
AP	ONS-5	441642009	12/27/2017	Ag-110m	-7.78E-05	1.06E-04	3.32E-04	U
AP	ONS-5	441642009	12/27/2017	Ba-140	2.36E-05	7.76E-03	2.56E-02	U
AP	ONS-5	441642009	12/27/2017	Be-7	1.06E-01	6.63E-03	3.78E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	ONS-5	441642009	12/27/2017	Ce-141	-7.43E-04	3.84E-04	9.37E-04	U
AP	ONS-5	441642009	12/27/2017	Ce-144	1.25E-04	3.21E-04	1.06E-03	U
AP	ONS-5	441642009	12/27/2017	Co-57	-3.78E-05	4.29E-05	1.31E-04	U
AP	ONS-5	441642009	12/27/2017	Co-58	-1.05E-04	1.35E-04	3.89E-04	U
AP	ONS-5	441642009	12/27/2017	Co-60	-2.58E-06	8.11E-05	2.66E-04	U
AP	ONS-5	441642009	12/27/2017	Cr-51	3.15E-04	2.25E-03	7.72E-03	U
AP	ONS-5	441642009	12/27/2017	Cs-134	9.94E-05	6.99E-05	2.46E-04	U
AP	ONS-5	441642009	12/27/2017	Cs-137	-4.41E-05	6.52E-05	1.95E-04	U
AP	ONS-5	441642009	12/27/2017	Fe-59	-1.32E-04	2.77E-04	8.54E-04	U
AP	ONS-5	441642009	12/27/2017	I-131	-2.65E-02	1.96E-02	5.80E-02	U
AP	ONS-5	441642009	12/27/2017	K-40	-1.48E-03	1.31E-03	4.02E-03	U
AP	ONS-5	441642009	12/27/2017	La-140	-4.95E-03	3.22E-03	6.51E-03	U
AP	ONS-5	441642009	12/27/2017	Mn-54	6.07E-05	8.27E-05	2.77E-04	U
AP	ONS-5	441642009	12/27/2017	Nb-95	-1.12E-05	1.30E-04	4.13E-04	U
AP	ONS-5	441642009	12/27/2017	Ru-103	-8.91E-05	1.63E-04	5.11E-04	U
AP	ONS-5	441642009	12/27/2017	Ru-106	7.06E-04	6.55E-04	2.08E-03	U
AP	ONS-5	441642009	12/27/2017	Sb-124	1.04E-04	2.57E-04	8.97E-04	U
AP	ONS-5	441642009	12/27/2017	Sb-125	5.95E-05	1.61E-04	5.50E-04	U
AP	ONS-5	441642009	12/27/2017	Se-75	1.22E-04	1.12E-04	3.60E-04	U
AP	ONS-5	441642009	12/27/2017	Th-228	8.63E-05	2.02E-04	3.92E-04	U
AP	ONS-5	441642009	12/27/2017	Zn-65	1.55E-04	1.83E-04	6.49E-04	U
AP	ONS-5	441642009	12/27/2017	Zr-95	1.03E-04	2.21E-04	7.38E-04	U
AP	ONS-6	441642010	12/27/2017	Ac-228	1.46E-04	4.94E-04	1.78E-03	U
AP	ONS-6	441642010	12/27/2017	Ag-108m	3.28E-04	1.22E-04	2.94E-04	UI
AP	ONS-6	441642010	12/27/2017	Ag-110m	-2.05E-04	1.71E-04	4.10E-04	U
AP	ONS-6	441642010	12/27/2017	Ba-140	-1.23E-02	9.52E-03	2.36E-02	U
AP	ONS-6	441642010	12/27/2017	Be-7	1.16E-01	8.57E-03	6.12E-03	
AP	ONS-6	441642010	12/27/2017	Ce-141	-5.41E-04	3.86E-04	1.01E-03	U
AP	ONS-6	441642010	12/27/2017	Ce-144	-9.90E-05	4.61E-04	1.44E-03	U
AP	ONS-6	441642010	12/27/2017	Co-57	-8.06E-05	6.12E-05	1.66E-04	U
AP	ONS-6	441642010	12/27/2017	Co-58	4.42E-05	1.30E-04	4.39E-04	U
AP	ONS-6	441642010	12/27/2017	Co-60	4.61E-05	1.04E-04	3.69E-04	U
AP	ONS-6	441642010	12/27/2017	Cr-51	-2.79E-04	3.51E-03	1.18E-02	U
AP	ONS-6	441642010	12/27/2017	Cs-134	9.57E-05	9.48E-05	3.43E-04	U
AP	ONS-6	441642010	12/27/2017	Cs-137	4.00E-05	8.73E-05	2.98E-04	U
AP	ONS-6	441642010	12/27/2017	Fe-59	1.02E-04	6.17E-04	2.11E-03	U
AP	ONS-6	441642010	12/27/2017	I-131	6.07E-02	2.96E-02	1.02E-01	U
AP	ONS-6	441642010	12/27/2017	K-40	1.52E-03	1.56E-03	6.27E-03	U
AP	ONS-6	441642010	12/27/2017	La-140	-1.87E-04	4.50E-03	1.46E-02	U
AP	ONS-6	441642010	12/27/2017	Mn-54	-9.52E-06	1.14E-04	3.57E-04	U
AP	ONS-6	441642010	12/27/2017	Nb-95	-1.71E-05	1.54E-04	4.83E-04	U
AP	ONS-6	441642010	12/27/2017	Ru-103	4.05E-04	2.61E-04	9.32E-04	U
AP	ONS-6	441642010	12/27/2017	Ru-106	-1.57E-03	9.92E-04	2.32E-03	U
AP	ONS-6	441642010	12/27/2017	Sb-124	-2.56E-04	5.78E-04	1.70E-03	U
AP	ONS-6	441642010	12/27/2017	Sb-125	-8.44E-05	2.21E-04	7.04E-04	U
AP	ONS-6	441642010	12/27/2017	Se-75	1.58E-04	1.60E-04	5.60E-04	U
AP	ONS-6	441642010	12/27/2017	Th-228	6.37E-05	1.83E-04	5.06E-04	U
AP	ONS-6	441642010	12/27/2017	Zn-65	-1.32E-04	1.82E-04	5.06E-04	U
AP	ONS-6	441642010	12/27/2017	Zr-95	4.57E-05	2.60E-04	8.58E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	413792012	1/4/2017	I-131	-1.32E-03	4.53E-03	1.43E-02	U
CF	SBN	413792013	1/4/2017	I-131	2.73E-03	4.19E-03	1.57E-02	U
CF	DOW	413792014	1/4/2017	I-131	-2.69E-04	3.42E-03	1.12E-02	U
CF	COL	413792015	1/4/2017	I-131	-2.90E-03	3.88E-03	1.12E-02	U
CF	ONS-1	413792016	1/4/2017	I-131	-5.16E-03	3.84E-03	7.47E-03	U
CF	ONS-2	413792017	1/4/2017	I-131	1.85E-03	4.96E-03	1.72E-02	U
CF	ONS-3	413792018	1/4/2017	I-131	-7.74E-04	3.26E-03	1.02E-02	U
CF	ONS-4	413792019	1/4/2017	I-131	4.23E-03	3.87E-03	1.52E-02	U
CF	ONS-5	413792020	1/4/2017	I-131	1.92E-05	3.67E-03	1.21E-02	U
CF	ONS-6	413792021	1/4/2017	I-131	2.83E-03	3.68E-03	1.37E-02	U
CF	NBF	414277012	1/11/2017	I-131	-8.85E-03	6.55E-03	1.58E-02	U
CF	SBN	414277013	1/11/2017	I-131	-2.39E-03	5.76E-03	1.82E-02	U
CF	DOW	414277014	1/11/2017	I-131	5.60E-04	4.86E-03	1.65E-02	U
CF	COL	414277015	1/11/2017	I-131	-4.97E-03	2.62E-03	4.04E-03	U
CF	ONS-1	414277016	1/11/2017	I-131	-6.64E-03	5.68E-03	1.37E-02	U
CF	ONS-2	414277017	1/11/2017	I-131	9.97E-05	5.78E-03	1.92E-02	U
CF	ONS-3	414277018	1/11/2017	I-131	-2.30E-03	2.02E-03	5.19E-03	U
CF	ONS-4	414277019	1/11/2017	I-131	9.53E-03	6.80E-03	2.63E-02	U
CF	ONS-5	414277020	1/11/2017	I-131	1.36E-03	4.20E-03	1.48E-02	U
CF	ONS-6	414277021	1/11/2017	I-131	-8.09E-05	3.38E-03	1.15E-02	U
CF	NBF	414678012	1/18/2017	I-131	-4.48E-03	7.84E-03	2.04E-02	U
CF	SBN	414678013	1/18/2017	I-131	9.03E-03	5.58E-03	2.11E-02	U
CF	DOW	414678014	1/18/2017	I-131	-3.28E-03	5.00E-03	1.44E-02	U
CF	COL	414678015	1/18/2017	I-131	-3.92E-03	4.20E-03	1.08E-02	U
CF	ONS-1	414678016	1/18/2017	I-131	-9.87E-04	4.33E-03	1.35E-02	U
CF	ONS-2	414678017	1/18/2017	I-131	3.51E-03	3.44E-03	1.37E-02	U
CF	ONS-3	414678018	1/18/2017	I-131	9.17E-04	4.11E-03	1.35E-02	U
CF	ONS-4	414678019	1/18/2017	I-131	-3.75E-03	6.43E-03	1.94E-02	U
CF	ONS-5	414678020	1/18/2017	I-131	-2.18E-04	3.66E-03	1.24E-02	U
CF	ONS-6	414678021	1/18/2017	I-131	-4.92E-03	5.17E-03	1.36E-02	U
CF	NBF	415191012	1/25/2017	I-131	8.20E-03	5.58E-03	2.12E-02	U
CF	SBN	415191013	1/25/2017	I-131	-4.30E-03	6.13E-03	1.42E-02	U
CF	DOW	415191014	1/25/2017	I-131	5.07E-04	4.81E-03	1.60E-02	U
CF	COL	415191015	1/25/2017	I-131	-1.17E-03	4.61E-03	1.47E-02	U
CF	ONS-1	415191016	1/25/2017	I-131	-3.70E-03	4.13E-03	1.19E-02	U
CF	ONS-2	415191017	1/25/2017	I-131	5.06E-03	2.08E-03	7.67E-03	U
CF	ONS-3	415191018	1/25/2017	I-131	-7.65E-03	4.57E-03	1.03E-02	U
CF	ONS-4	415191019	1/25/2017	I-131	1.62E-03	3.32E-03	1.13E-02	U
CF	ONS-5	415191020	1/25/2017	I-131	5.70E-03	3.47E-03	1.31E-02	U
CF	ONS-6	415191021	1/25/2017	I-131	4.38E-03	3.95E-03	1.42E-02	U
CF	NBF	415694012	2/1/2017	I-131	6.68E-03	5.06E-03	1.96E-02	U
CF	SBN	415694013	2/1/2017	I-131	-8.61E-03	5.66E-03	1.02E-02	U
CF	DOW	415694014	2/1/2017	I-131	-1.40E-03	3.00E-03	8.66E-03	U
CF	COL	415694015	2/1/2017	I-131	9.61E-04	4.31E-03	1.42E-02	U
CF	ONS-1	415694016	2/1/2017	I-131	6.19E-03	3.95E-03	1.71E-02	U
CF	ONS-2	415694017	2/1/2017	I-131	6.53E-03	4.49E-03	1.79E-02	U
CF	ONS-3	415694018	2/1/2017	I-131	1.23E-03	7.59E-03	2.64E-02	U
CF	ONS-4	415694019	2/1/2017	I-131	1.26E-03	3.44E-03	1.24E-02	U
CF	ONS-5	415694020	2/1/2017	I-131	8.29E-03	6.84E-03	2.57E-02	U
CF	ONS-6	415694021	2/1/2017	I-131	2.47E-04	2.71E-03	7.90E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	416159012	2/8/2017	I-131	2.30E-03	5.66E-03	2.00E-02	U
CF	SBN	416159013	2/8/2017	I-131	-7.04E-03	4.12E-03	7.43E-03	U
CF	DOW	416159014	2/8/2017	I-131	8.69E-03	5.99E-03	2.23E-02	U
CF	COL	416159015	2/8/2017	I-131	7.23E-03	4.09E-03	1.74E-02	U
CF	ONS-1	416159016	2/8/2017	I-131	-3.94E-03	5.42E-03	1.50E-02	U
CF	ONS-2	416159017	2/8/2017	I-131	-3.80E-03	4.20E-03	1.08E-02	U
CF	ONS-3	416159018	2/8/2017	I-131	3.73E-04	5.17E-03	1.75E-02	U
CF	ONS-4	416159019	2/8/2017	I-131	-7.68E-04	3.94E-03	1.24E-02	U
CF	ONS-5	416159020	2/8/2017	I-131	-3.00E-03	4.60E-03	1.40E-02	U
CF	ONS-6	416159021	2/8/2017	I-131	5.87E-03	4.50E-03	1.80E-02	U
CF	NBF	416948012	2/15/2017	I-131	4.94E-03	4.11E-03	1.66E-02	U
CF	SBN	416948013	2/15/2017	I-131	-3.23E-03	2.77E-03	6.62E-03	U
CF	DOW	416948014	2/15/2017	I-131	-1.84E-03	3.27E-03	8.89E-03	U
CF	COL	416948015	2/15/2017	I-131	9.11E-04	4.84E-03	1.65E-02	U
CF	ONS-1	416948016	2/15/2017	I-131	-7.10E-04	3.92E-03	1.16E-02	U
CF	ONS-2	416948017	2/15/2017	I-131	-1.53E-03	2.96E-03	9.17E-03	U
CF	ONS-3	416948018	2/15/2017	I-131	2.05E-03	4.69E-03	1.71E-02	U
CF	ONS-4	416948019	2/15/2017	I-131	-1.93E-03	3.72E-03	1.10E-02	U
CF	ONS-5	416948020	2/15/2017	I-131	1.89E-03	3.88E-03	1.41E-02	U
CF	ONS-6	416948021	2/15/2017	I-131	1.22E-02	7.70E-03	3.10E-02	U
CF	NBF	417306012	2/22/2017	I-131	-1.16E-03	5.25E-03	1.69E-02	U
CF	SBN	417306013	2/22/2017	I-131	2.77E-03	7.35E-03	2.52E-02	U
CF	DOW	417306014	2/22/2017	I-131	-5.63E-03	3.04E-03	4.94E-03	U
CF	COL	417306015	2/22/2017	I-131	-9.67E-04	4.91E-03	1.55E-02	U
CF	ONS-1	417306016	2/22/2017	I-131	1.03E-02	5.84E-03	2.30E-02	U
CF	ONS-2	417306017	2/22/2017	I-131	-2.02E-04	5.24E-03	1.74E-02	U
CF	ONS-3	417306018	2/22/2017	I-131	1.06E-03	4.77E-03	1.57E-02	U
CF	ONS-4	417306019	2/22/2017	I-131	8.14E-04	5.60E-03	1.95E-02	U
CF	ONS-5	417306020	2/22/2017	I-131	-1.81E-03	4.94E-03	1.54E-02	U
CF	ONS-6	417306021	2/22/2017	I-131	-9.66E-04	3.49E-03	1.12E-02	U
CF	NBF	417740012	3/1/2017	I-131	1.31E-03	5.56E-03	1.92E-02	U
CF	SBN	417740013	3/1/2017	I-131	-7.68E-04	4.15E-03	1.37E-02	U
CF	DOW	417740014	3/1/2017	I-131	-1.82E-03	4.70E-03	1.47E-02	U
CF	COL	417740015	3/1/2017	I-131	1.56E-03	3.73E-03	1.33E-02	U
CF	ONS-1	417740016	3/1/2017	I-131	-7.12E-03	4.72E-03	1.01E-02	U
CF	ONS-2	417740017	3/1/2017	I-131	-6.24E-03	4.30E-03	8.51E-03	U
CF	ONS-3	417740018	3/1/2017	I-131	-4.45E-03	6.91E-03	1.77E-02	U
CF	ONS-4	417740019	3/1/2017	I-131	-2.03E-03	2.71E-03	7.60E-03	U
CF	ONS-5	417740020	3/1/2017	I-131	5.29E-03	6.15E-03	2.24E-02	U
CF	ONS-6	417740021	3/1/2017	I-131	-7.20E-03	3.57E-03	6.22E-03	U
CF	NBF	418262012	3/8/2017	I-131	1.95E-03	3.24E-03	1.23E-02	U
CF	SBN	418262013	3/8/2017	I-131	4.91E-03	3.12E-03	1.35E-02	U
CF	DOW	418262014	3/8/2017	I-131	2.73E-03	4.35E-03	1.59E-02	U
CF	COL	418262015	3/8/2017	I-131	-1.05E-03	2.35E-03	6.96E-03	U
CF	ONS-1	418262016	3/8/2017	I-131	9.98E-04	3.80E-03	1.33E-02	U
CF	ONS-2	418262017	3/8/2017	I-131	3.86E-05	3.71E-03	1.24E-02	U
CF	ONS-3	418262018	3/8/2017	I-131	1.10E-04	3.41E-03	1.14E-02	U
CF	ONS-4	418262019	3/8/2017	I-131	5.60E-03	3.40E-03	1.46E-02	U
CF	ONS-5	418262020	3/8/2017	I-131	-4.57E-03	4.69E-03	1.23E-02	U
CF	ONS-6	418262021	3/8/2017	I-131	2.79E-03	1.74E-03	7.50E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	418792012	3/15/2017	I-131	5.53E-04	5.56E-03	1.89E-02	U
CF	SBN	418792013	3/15/2017	I-131	2.13E-03	3.98E-03	1.40E-02	U
CF	DOW	418792014	3/15/2017	I-131	3.80E-03	7.37E-03	2.70E-02	U
CF	COL	418792015	3/15/2017	I-131	8.82E-03	5.05E-03	2.00E-02	U
CF	ONS-1	418792016	3/15/2017	I-131	5.52E-03	6.38E-03	2.35E-02	U
CF	ONS-2	418792017	3/15/2017	I-131	7.39E-03	6.54E-03	2.40E-02	U
CF	ONS-3	418792018	3/15/2017	I-131	1.74E-03	4.22E-03	1.67E-02	U
CF	ONS-4	418792019	3/15/2017	I-131	-6.56E-03	4.76E-03	8.09E-03	U
CF	ONS-5	418792020	3/15/2017	I-131	-4.11E-03	3.38E-03	7.26E-03	U
CF	ONS-6	418792021	3/15/2017	I-131	1.70E-03	5.15E-03	1.77E-02	U
CF	NBF	419227012	3/22/2017	I-131	7.87E-03	6.00E-03	2.28E-02	U
CF	SBN	419227013	3/22/2017	I-131	1.06E-03	7.37E-03	2.53E-02	U
CF	DOW	419227014	3/22/2017	I-131	-2.75E-03	6.34E-03	1.92E-02	U
CF	COL	419227015	3/22/2017	I-131	-3.86E-03	4.39E-03	1.29E-02	U
CF	ONS-1	419227016	3/22/2017	I-131	-4.23E-03	5.95E-03	1.37E-02	U
CF	ONS-2	419227017	3/22/2017	I-131	-1.41E-03	4.22E-03	1.32E-02	U
CF	ONS-3	419227018	3/22/2017	I-131	-3.04E-04	4.99E-03	1.66E-02	U
CF	ONS-4	419227019	3/22/2017	I-131	-1.55E-03	3.40E-03	9.67E-03	U
CF	ONS-5	419227020	3/22/2017	I-131	6.35E-03	7.05E-03	2.60E-02	U
CF	ONS-6	419227021	3/22/2017	I-131	7.47E-03	5.47E-03	2.11E-02	U
CF	NBF	419655012	3/29/2017	I-131	1.35E-02	5.11E-03	1.29E-02	UI
CF	SBN	419655013	3/29/2017	I-131	1.02E-03	4.06E-03	1.47E-02	U
CF	DOW	419655014	3/29/2017	I-131	-5.66E-03	3.64E-03	6.21E-03	U
CF	COL	419655015	3/29/2017	I-131	-4.60E-04	4.19E-03	1.37E-02	U
CF	ONS-1	419655016	3/29/2017	I-131	-9.66E-04	3.58E-03	1.06E-02	U
CF	ONS-2	419655017	3/29/2017	I-131	-1.13E-03	3.22E-03	1.01E-02	U
CF	ONS-3	419655018	3/29/2017	I-131	-1.65E-03	5.24E-03	1.68E-02	U
CF	ONS-4	419655019	3/29/2017	I-131	-2.53E-03	2.71E-03	5.58E-03	U
CF	ONS-5	419655020	3/29/2017	I-131	7.17E-04	6.30E-03	2.16E-02	U
CF	ONS-6	419655021	3/29/2017	I-131	-2.18E-03	3.05E-03	8.41E-03	U
CF	NBF	420234012	4/5/2017	I-131	-1.37E-03	2.50E-03	7.53E-03	U
CF	SBN	420234013	4/5/2017	I-131	-2.63E-03	5.73E-03	1.82E-02	U
CF	DOW	420234014	4/5/2017	I-131	2.64E-03	3.23E-03	1.19E-02	U
CF	COL	420234015	4/5/2017	I-131	4.65E-03	3.50E-03	1.31E-02	U
CF	ONS-1	420234016	4/5/2017	I-131	3.97E-03	3.28E-03	1.24E-02	U
CF	ONS-2	420234017	4/5/2017	I-131	5.12E-04	3.44E-03	1.16E-02	U
CF	ONS-3	420234018	4/5/2017	I-131	-2.63E-04	2.88E-03	9.38E-03	U
CF	ONS-4	420234019	4/5/2017	I-131	-1.27E-03	3.40E-03	1.08E-02	U
CF	ONS-5	420234020	4/5/2017	I-131	2.57E-03	4.50E-03	1.57E-02	U
CF	ONS-6	420234021	4/5/2017	I-131	-5.10E-03	3.78E-03	9.14E-03	U
CF	NBF	420768012	4/12/2017	I-131	3.86E-04	5.14E-03	1.77E-02	U
CF	SBN	420768013	4/12/2017	I-131	-5.32E-03	5.62E-03	1.23E-02	U
CF	DOW	420768014	4/12/2017	I-131	4.04E-03	3.88E-03	1.56E-02	U
CF	COL	420768015	4/12/2017	I-131	-2.08E-03	4.49E-03	1.34E-02	U
CF	ONS-1	420768016	4/12/2017	I-131	3.02E-03	2.52E-03	1.13E-02	U
CF	ONS-2	420768017	4/12/2017	I-131	4.93E-04	4.75E-03	1.61E-02	U
CF	ONS-3	420768018	4/12/2017	I-131	3.99E-03	4.58E-03	1.76E-02	U
CF	ONS-4	420768019	4/12/2017	I-131	-2.07E-03	5.16E-03	1.58E-02	U
CF	ONS-5	420768020	4/12/2017	I-131	2.84E-03	3.90E-03	1.47E-02	U
CF	ONS-6	420768021	4/12/2017	I-131	-6.35E-03	6.43E-03	1.47E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	NBF	421245012	4/19/2017	I-131	-6.08E-03	4.79E-03	9.67E-03	U
CF	SBN	421245013	4/19/2017	I-131	5.21E-04	5.43E-03	1.84E-02	U
CF	DOW	421245014	4/19/2017	I-131	2.82E-03	4.87E-03	1.70E-02	U
CF	COL	421245015	4/19/2017	I-131	-2.53E-03	4.92E-03	1.50E-02	U
CF	ONS-1	421245016	4/19/2017	I-131	1.94E-03	4.05E-03	1.47E-02	U
CF	ONS-2	421245017	4/19/2017	I-131	1.80E-03	4.83E-03	1.67E-02	U
CF	ONS-3	421245018	4/19/2017	I-131	-6.90E-03	9.58E-03	2.84E-02	U
CF	ONS-4	421245019	4/19/2017	I-131	5.19E-03	4.11E-03	1.64E-02	U
CF	ONS-5	421245020	4/19/2017	I-131	-4.23E-03	6.03E-03	1.78E-02	U
CF	ONS-6	421245021	4/19/2017	I-131	6.47E-03	4.70E-03	1.81E-02	U
CF	NBF	421995012	4/26/2017	I-131	-7.76E-03	4.47E-03	9.60E-03	U
CF	SBN	421995013	4/26/2017	I-131	1.81E-03	1.82E-03	8.26E-03	U
CF	DOW	421995014	4/26/2017	I-131	5.29E-03	3.14E-03	1.35E-02	U
CF	COL	421995015	4/26/2017	I-131	4.91E-03	4.16E-03	1.62E-02	U
CF	ONS-1	421995016	4/26/2017	I-131	1.15E-02	5.69E-03	2.33E-02	U
CF	ONS-2	421995017	4/26/2017	I-131	-7.42E-05	3.51E-03	1.19E-02	U
CF	ONS-3	421995018	4/26/2017	I-131	-5.13E-03	3.93E-03	8.57E-03	U
CF	ONS-4	421995019	4/26/2017	I-131	-7.78E-03	6.44E-03	1.41E-02	U
CF	ONS-5	421995020	4/26/2017	I-131	-3.10E-03	5.49E-03	1.65E-02	U
CF	ONS-6	421995021	4/26/2017	I-131	-2.92E-03	5.62E-03	1.66E-02	U
CF	NBF	422466012	5/3/2017	I-131	-4.36E-03	4.27E-03	1.09E-02	U
CF	SBN	422466013	5/3/2017	I-131	-5.00E-03	5.33E-03	1.41E-02	U
CF	DOW	422466014	5/3/2017	I-131	-4.40E-04	3.43E-03	1.02E-02	U
CF	COL	422466015	5/3/2017	I-131	-4.56E-03	3.81E-03	8.40E-03	U
CF	ONS-1	422466016	5/3/2017	I-131	-3.90E-04	5.19E-03	1.70E-02	U
CF	ONS-2	422466017	5/3/2017	I-131	2.24E-02	9.20E-03	3.54E-02	U
CF	ONS-3	422466018	5/3/2017	I-131	-2.21E-03	4.17E-03	1.26E-02	U
CF	ONS-4	422466019	5/3/2017	I-131	-2.79E-03	4.12E-03	1.11E-02	U
CF	ONS-5	422466020	5/3/2017	I-131	8.86E-03	6.60E-03	2.40E-02	U
CF	ONS-6	422466021	5/3/2017	I-131	8.83E-04	2.10E-03	7.38E-03	U
CF	NBF	423047012	5/10/2017	I-131	-3.89E-04	3.18E-03	1.03E-02	U
CF	SBN	423047013	5/10/2017	I-131	-5.60E-03	6.04E-03	1.48E-02	U
CF	DOW	423047014	5/10/2017	I-131	-8.27E-03	4.99E-03	9.71E-03	U
CF	COL	423047015	5/10/2017	I-131	-4.96E-03	6.12E-03	1.66E-02	U
CF	ONS-1	423047016	5/10/2017	I-131	3.62E-03	3.94E-03	1.52E-02	U
CF	ONS-2	423047017	5/10/2017	I-131	1.12E-03	2.84E-03	1.00E-02	U
CF	ONS-3	423047018	5/10/2017	I-131	-4.32E-04	3.52E-03	1.15E-02	U
CF	ONS-4	423047019	5/10/2017	I-131	-1.98E-03	5.00E-03	1.57E-02	U
CF	ONS-5	423047020	5/10/2017	I-131	1.02E-02	5.84E-03	2.20E-02	U
CF	ONS-6	423047021	5/10/2017	I-131	-3.75E-03	6.76E-03	2.04E-02	U
CF	NBF	423588012	5/17/2017	I-131	-2.98E-03	4.21E-03	1.19E-02	U
CF	SBN	423588013	5/17/2017	I-131	-1.25E-03	4.08E-03	1.28E-02	U
CF	DOW	423588014	5/17/2017	I-131	6.53E-05	4.91E-03	1.64E-02	U
CF	COL	423588015	5/17/2017	I-131	7.14E-03	4.80E-03	1.92E-02	U
CF	ONS-1	423588016	5/17/2017	I-131	2.96E-03	4.19E-03	1.59E-02	U
CF	ONS-2	423588017	5/17/2017	I-131	-2.71E-03	2.23E-03	2.66E-03	U
CF	ONS-3	423588018	5/17/2017	I-131	9.87E-04	4.11E-03	1.36E-02	U
CF	ONS-4	423588019	5/17/2017	I-131	-2.76E-03	5.91E-03	1.91E-02	U
CF	ONS-5	423588020	5/17/2017	I-131	4.38E-04	3.39E-03	1.16E-02	U
CF	ONS-6	423588021	5/17/2017	I-131	-1.05E-02	6.63E-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	424160012	5/24/2017	I-131	-1.12E-02	6.49E-03	1.04E-02	U
CF	SBN	424160013	5/24/2017	I-131	1.55E-03	3.41E-03	1.27E-02	U
CF	DOW	424160014	5/24/2017	I-131	-1.15E-03	4.32E-03	1.47E-02	U
CF	COL	424160015	5/24/2017	I-131	-3.02E-03	3.10E-03	5.90E-03	U
CF	ONS-1	424160016	5/24/2017	I-131	-1.42E-02	7.44E-03	1.22E-02	U
CF	ONS-2	424160017	5/24/2017	I-131	-4.05E-03	4.21E-03	9.67E-03	U
CF	ONS-3	424160018	5/24/2017	I-131	6.70E-03	6.54E-03	2.43E-02	U
CF	ONS-4	424160019	5/24/2017	I-131	-3.05E-03	3.42E-03	8.44E-03	U
CF	ONS-5	424160020	5/24/2017	I-131	2.89E-03	5.14E-03	1.85E-02	U
CF	ONS-6	424160021	5/24/2017	I-131	1.19E-02	6.93E-03	2.63E-02	U
CF	NBF	424597012	5/31/2017	I-131	6.00E-03	4.58E-03	1.84E-02	U
CF	SBN	424597013	5/31/2017	I-131	2.99E-03	7.15E-03	2.49E-02	U
CF	COL	424597015	5/31/2017	I-131	-4.69E-04	3.47E-03	1.03E-02	U
CF	ONS-1	424597016	5/31/2017	I-131	1.86E-03	4.02E-03	1.49E-02	U
CF	ONS-2	424597017	5/31/2017	I-131	-1.82E-03	4.04E-03	1.24E-02	U
CF	ONS-3	424597018	5/31/2017	I-131	1.10E-02	5.10E-03	2.05E-02	U
CF	ONS-4	424597019	5/31/2017	I-131	-2.14E-03	4.22E-03	1.22E-02	U
CF	ONS-5	424597020	5/31/2017	I-131	6.20E-03	5.72E-03	2.15E-02	U
CF	ONS-6	424597021	5/31/2017	I-131	5.12E-05	3.97E-03	1.31E-02	U
CF	NBF	425117012	6/7/2017	I-131	3.08E-03	5.08E-03	1.84E-02	U
CF	SBN	425117013	6/7/2017	I-131	3.00E-04	4.20E-03	1.42E-02	U
CF	DOW	425117014	6/7/2017	I-131	-6.58E-03	3.77E-03	5.06E-03	U
CF	COL	425117015	6/7/2017	I-131	-4.12E-03	4.69E-03	1.30E-02	U
CF	ONS-1	425117016	6/7/2017	I-131	-8.01E-03	5.00E-03	6.01E-04	U
CF	ONS-2	425117017	6/7/2017	I-131	7.92E-03	4.80E-03	1.88E-02	U
CF	ONS-3	425117018	6/7/2017	I-131	-6.88E-03	8.26E-03	2.34E-02	U
CF	ONS-4	425117019	6/7/2017	I-131	1.86E-03	3.88E-03	1.41E-02	U
CF	ONS-5	425117020	6/7/2017	I-131	-2.15E-03	2.78E-03	6.62E-03	U
CF	ONS-6	425117021	6/7/2017	I-131	2.24E-03	5.42E-03	1.94E-02	U
CF	NBF	425641012	6/14/2017	I-131	-5.92E-03	4.20E-03	9.11E-03	U
CF	SBN	425641013	6/14/2017	I-131	-5.20E-03	4.63E-03	1.09E-02	U
CF	DOW	425641014	6/14/2017	I-131	-5.09E-03	2.95E-03	6.65E-03	U
CF	COL	425641015	6/14/2017	I-131	1.61E-03	4.65E-03	1.57E-02	U
CF	ONS-1	425641016	6/14/2017	I-131	-2.35E-03	4.39E-03	1.34E-02	U
CF	ONS-2	425641017	6/14/2017	I-131	2.93E-03	4.35E-03	1.57E-02	U
CF	ONS-3	425641018	6/14/2017	I-131	2.01E-03	3.86E-03	1.40E-02	U
CF	ONS-4	425641019	6/14/2017	I-131	-2.38E-03	4.21E-03	1.27E-02	U
CF	ONS-5	425641020	6/14/2017	I-131	1.34E-03	4.00E-03	1.41E-02	U
CF	ONS-6	425641021	6/14/2017	I-131	-3.00E-03	3.12E-03	7.18E-03	U
CF	NBF	426245012	6/21/2017	I-131	-8.35E-04	4.05E-03	1.29E-02	U
CF	SBN	426245013	6/21/2017	I-131	9.27E-03	7.65E-03	2.79E-02	U
CF	DOW	426245014	6/21/2017	I-131	6.15E-03	3.47E-03	1.47E-02	U
CF	COL	426245015	6/21/2017	I-131	-9.66E-04	4.72E-03	1.53E-02	U
CF	ONS-1	426245016	6/21/2017	I-131	6.83E-04	7.86E-03	2.70E-02	U
CF	ONS-2	426245017	6/21/2017	I-131	-1.15E-03	4.62E-03	1.49E-02	U
CF	ONS-3	426245018	6/21/2017	I-131	1.73E-03	5.32E-03	1.86E-02	U
CF	ONS-4	426245019	6/21/2017	I-131	-7.12E-04	3.87E-03	1.24E-02	U
CF	ONS-5	426245020	6/21/2017	I-131	-1.71E-04	4.52E-03	1.52E-02	U
CF	ONS-6	426245021	6/21/2017	I-131	-5.47E-03	3.77E-03	4.39E-03	U
CF	NBF	426792012	6/28/2017	I-131	4.56E-03	5.67E-03	2.07E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	426792013	6/28/2017	I-131	-1.04E-03	4.72E-03	1.53E-02	U
CF	DOW	426792014	6/28/2017	I-131	1.78E-03	4.41E-03	1.52E-02	U
CF	COL	426792015	6/28/2017	I-131	-4.94E-04	4.24E-03	1.42E-02	U
CF	ONS-1	426792016	6/28/2017	I-131	1.87E-03	3.90E-03	1.42E-02	U
CF	ONS-2	426792017	6/28/2017	I-131	-3.24E-03	3.59E-03	8.83E-03	U
CF	ONS-3	426792018	6/28/2017	I-131	1.97E-03	3.95E-03	1.44E-02	U
CF	ONS-4	426792019	6/28/2017	I-131	-7.13E-03	4.96E-03	9.49E-03	U
CF	ONS-5	426792020	6/28/2017	I-131	-1.11E-02	6.04E-03	1.25E-02	U
CF	ONS-6	426792021	6/28/2017	I-131	3.38E-03	5.05E-03	1.77E-02	U
CF	NBF	427370012	7/5/2017	I-131	2.80E-04	3.70E-03	1.24E-02	U
CF	SBN	427370013	7/5/2017	I-131	-9.82E-04	1.84E-03	5.33E-03	U
CF	DOW	427370014	7/5/2017	I-131	1.15E-03	2.73E-03	9.68E-03	U
CF	COL	427370015	7/5/2017	I-131	-2.19E-03	2.85E-03	8.26E-03	U
CF	ONS-1	427370016	7/5/2017	I-131	2.51E-04	3.89E-03	1.19E-02	U
CF	ONS-2	427370017	7/5/2017	I-131	-2.23E-03	3.22E-03	9.57E-03	U
CF	ONS-3	427370018	7/5/2017	I-131	2.24E-03	3.61E-03	1.26E-02	U
CF	ONS-4	427370019	7/5/2017	I-131	2.34E-03	2.75E-03	1.04E-02	U
CF	ONS-5	427370020	7/5/2017	I-131	2.28E-03	3.41E-03	1.21E-02	U
CF	ONS-6	427370021	7/5/2017	I-131	1.55E-03	2.91E-03	1.04E-02	U
CF	NBF	427892012	7/12/2017	I-131	5.81E-03	3.25E-03	1.17E-02	U
CF	SBN	427892013	7/12/2017	I-131	-2.45E-03	2.59E-03	7.00E-03	U
CF	DOW	427892014	7/12/2017	I-131	-3.79E-03	3.23E-03	8.50E-03	U
CF	COL	427892015	7/12/2017	I-131	1.60E-03	3.39E-03	1.19E-02	U
CF	ONS-1	427892016	7/12/2017	I-131	2.09E-03	2.90E-03	1.04E-02	U
CF	ONS-2	427892017	7/12/2017	I-131	1.22E-03	3.26E-03	1.15E-02	U
CF	ONS-3	427892018	7/12/2017	I-131	-4.09E-03	2.88E-03	7.47E-03	U
CF	ONS-4	427892019	7/12/2017	I-131	-8.69E-04	5.21E-03	1.53E-02	U
CF	ONS-5	427892020	7/12/2017	I-131	-1.76E-03	3.63E-03	1.13E-02	U
CF	ONS-6	427892021	7/12/2017	I-131	2.11E-03	2.76E-03	1.02E-02	U
CF	NBF	428510012	7/19/2017	I-131	-4.04E-03	4.17E-03	1.12E-02	U
CF	SBN	428510013	7/19/2017	I-131	-2.08E-03	3.78E-03	1.16E-02	U
CF	DOW	428510014	7/19/2017	I-131	5.78E-03	5.36E-03	2.05E-02	U
CF	COL	428510015	7/19/2017	I-131	-4.13E-03	4.16E-03	9.23E-03	U
CF	ONS-1	428510016	7/19/2017	I-131	-5.23E-03	4.30E-03	9.92E-03	U
CF	ONS-2	428510017	7/19/2017	I-131	2.31E-04	2.63E-03	9.17E-03	U
CF	ONS-3	428510018	7/19/2017	I-131	1.91E-03	4.11E-03	1.51E-02	U
CF	ONS-4	428510019	7/19/2017	I-131	-8.60E-04	4.61E-03	1.46E-02	U
CF	ONS-5	428510020	7/19/2017	I-131	-1.99E-03	2.95E-03	8.84E-03	U
CF	ONS-6	428510021	7/19/2017	I-131	2.16E-03	4.29E-03	1.47E-02	U
CF	NBF	429036012	7/26/2017	I-131	5.52E-03	5.31E-03	1.98E-02	U
CF	SBN	429036013	7/26/2017	I-131	7.50E-04	3.53E-03	1.26E-02	U
CF	DOW	429036014	7/26/2017	I-131	2.74E-03	3.78E-03	1.34E-02	U
CF	COL	429036015	7/26/2017	I-131	4.97E-03	3.75E-03	1.44E-02	U
CF	ONS-1	429036016	7/26/2017	I-131	-6.40E-04	4.70E-03	1.53E-02	U
CF	ONS-2	429036017	7/26/2017	I-131	-2.80E-03	3.56E-03	9.53E-03	U
CF	ONS-3	429036018	7/26/2017	I-131	-1.75E-03	3.44E-03	9.78E-03	U
CF	ONS-4	429036019	7/26/2017	I-131	3.78E-04	3.38E-03	1.15E-02	U
CF	ONS-5	429036020	7/26/2017	I-131	-9.17E-04	3.52E-03	1.11E-02	U
CF	ONS-6	429036021	7/26/2017	I-131	-3.74E-03	3.12E-03	6.88E-03	U
CF	NBF	429796012	8/2/2017	I-131	3.16E-05	2.61E-03	8.68E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	429796013	8/2/2017	I-131	-2.26E-03	4.55E-03	1.35E-02	U
CF	DOW	429796014	8/2/2017	I-131	-3.24E-03	3.77E-03	1.05E-02	U
CF	COL	429796015	8/2/2017	I-131	5.49E-03	5.23E-03	1.98E-02	U
CF	ONS-1	429796016	8/2/2017	I-131	9.08E-03	5.28E-03	2.11E-02	U
CF	ONS-2	429796017	8/2/2017	I-131	-5.17E-03	4.95E-03	1.24E-02	U
CF	ONS-3	429796018	8/2/2017	I-131	9.76E-03	6.52E-03	2.50E-02	U
CF	ONS-4	429796019	8/2/2017	I-131	-5.70E-03	3.84E-03	7.30E-03	U
CF	ONS-5	429796020	8/2/2017	I-131	-2.00E-03	4.64E-03	1.36E-02	U
CF	ONS-6	429796021	8/2/2017	I-131	4.47E-03	3.48E-03	1.39E-02	U
CF	NBF	430377012	8/9/2017	I-131	-1.35E-03	6.31E-03	2.08E-02	U
CF	SBN	430377013	8/9/2017	I-131	-4.33E-03	2.55E-03	4.34E-03	U
CF	DOW	430377014	8/9/2017	I-131	-3.58E-03	6.49E-03	2.01E-02	U
CF	COL	430377015	8/9/2017	I-131	-1.57E-03	4.75E-03	1.51E-02	U
CF	ONS-1	430377016	8/9/2017	I-131	2.05E-03	3.55E-03	1.34E-02	U
CF	ONS-2	430377017	8/9/2017	I-131	3.65E-03	4.76E-03	1.76E-02	U
CF	ONS-3	430377018	8/9/2017	I-131	-6.54E-03	4.50E-03	1.01E-02	U
CF	ONS-4	430377019	8/9/2017	I-131	-4.53E-03	5.75E-03	1.62E-02	U
CF	ONS-5	430377020	8/9/2017	I-131	5.36E-03	4.31E-03	1.71E-02	U
CF	ONS-6	430377021	8/9/2017	I-131	1.18E-02	6.86E-03	2.64E-02	U
CF	NBF	431026012	8/16/2017	I-131	-3.65E-04	4.42E-03	1.45E-02	U
CF	SBN	431026013	8/16/2017	I-131	-1.21E-03	4.93E-03	1.58E-02	U
CF	DOW	431026014	8/16/2017	I-131	-1.52E-03	3.83E-03	1.11E-02	U
CF	COL	431026015	8/16/2017	I-131	-3.70E-04	3.38E-03	1.12E-02	U
CF	ONS-1	431026016	8/16/2017	I-131	-1.57E-03	5.72E-03	1.83E-02	U
CF	ONS-2	431026017	8/16/2017	I-131	5.98E-04	5.04E-03	1.72E-02	U
CF	ONS-3	431026018	8/16/2017	I-131	2.28E-03	3.75E-03	1.31E-02	U
CF	ONS-4	431026019	8/16/2017	I-131	5.41E-03	3.45E-03	1.36E-02	U
CF	ONS-5	431026020	8/16/2017	I-131	2.63E-03	3.64E-03	1.35E-02	U
CF	ONS-6	431026021	8/16/2017	I-131	6.06E-03	5.41E-03	2.02E-02	U
CF	NBF	431528012	8/23/2017	I-131	1.24E-02	8.73E-03	3.41E-02	U
CF	SBN	431528013	8/23/2017	I-131	3.84E-03	4.23E-03	1.61E-02	U
CF	DOW	431528014	8/23/2017	I-131	-3.69E-03	4.19E-03	1.09E-02	U
CF	COL	431528015	8/23/2017	I-131	-4.07E-03	6.46E-03	1.89E-02	U
CF	ONS-1	431528016	8/23/2017	I-131	-3.51E-03	4.00E-03	1.09E-02	U
CF	ONS-2	431528017	8/23/2017	I-131	-3.22E-03	2.49E-03	6.24E-03	U
CF	ONS-3	431528018	8/23/2017	I-131	5.37E-03	3.58E-03	1.56E-02	U
CF	ONS-4	431528019	8/23/2017	I-131	2.17E-03	4.28E-03	1.55E-02	U
CF	ONS-5	431528020	8/23/2017	I-131	-6.00E-04	5.58E-03	1.80E-02	U
CF	ONS-6	431528021	8/23/2017	I-131	8.00E-03	5.76E-03	2.15E-02	U
CF	NBF	432021012	8/30/2017	I-131	2.72E-04	2.70E-03	9.15E-03	U
CF	SBN	432021013	8/30/2017	I-131	3.43E-03	3.08E-03	1.05E-02	U
CF	DOW	432021014	8/30/2017	I-131	1.11E-03	3.03E-03	1.05E-02	U
CF	COL	432021015	8/30/2017	I-131	3.09E-03	2.30E-03	8.51E-03	U
CF	ONS-1	432021016	8/30/2017	I-131	-2.95E-03	2.03E-03	4.56E-03	U
CF	ONS-2	432021017	8/30/2017	I-131	-4.93E-04	2.11E-03	6.95E-03	U
CF	ONS-3	432021018	8/30/2017	I-131	1.42E-03	2.63E-03	9.32E-03	U
CF	ONS-4	432021019	8/30/2017	I-131	-3.93E-03	2.93E-03	7.42E-03	U
CF	ONS-5	432021020	8/30/2017	I-131	1.85E-03	2.78E-03	9.60E-03	U
CF	ONS-6	432021021	8/30/2017	I-131	-1.81E-03	2.01E-03	5.41E-03	U
CF	NBF	432470012	9/6/2017	I-131	1.42E-03	6.06E-03	2.10E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	432470013	9/6/2017	I-131	-1.56E-03	6.00E-03	1.93E-02	U
CF	DOW	432470014	9/6/2017	I-131	1.04E-03	5.34E-03	1.87E-02	U
CF	COL	432470015	9/6/2017	I-131	1.62E-03	7.51E-03	2.66E-02	U
CF	ONS-1	432470016	9/6/2017	I-131	-3.11E-04	4.87E-03	1.60E-02	U
CF	ONS-2	432470017	9/6/2017	I-131	7.85E-03	5.27E-03	2.04E-02	U
CF	ONS-3	432470018	9/6/2017	I-131	-4.70E-03	3.78E-03	7.90E-03	U
CF	ONS-4	432470019	9/6/2017	I-131	3.85E-03	4.56E-03	1.73E-02	U
CF	ONS-5	432470020	9/6/2017	I-131	4.70E-03	5.50E-03	2.09E-02	U
CF	ONS-6	432470021	9/6/2017	I-131	-1.30E-02	6.58E-03	1.18E-02	U
CF	NBF	432957012	9/13/2017	I-131	2.15E-03	4.09E-03	1.49E-02	U
CF	SBN	432957013	9/13/2017	I-131	-1.48E-03	2.81E-03	7.79E-03	U
CF	DOW	432957014	9/13/2017	I-131	4.29E-03	4.08E-03	1.58E-02	U
CF	COL	432957015	9/13/2017	I-131	1.45E-03	3.88E-03	1.39E-02	U
CF	ONS-1	432957016	9/13/2017	I-131	9.51E-03	5.36E-03	2.13E-02	U
CF	ONS-2	432957017	9/13/2017	I-131	3.66E-03	5.48E-03	2.09E-02	U
CF	ONS-3	432957018	9/13/2017	I-131	5.75E-03	4.78E-03	1.84E-02	U
CF	ONS-4	432957019	9/13/2017	I-131	-8.18E-03	4.74E-03	7.97E-03	U
CF	ONS-5	432957020	9/13/2017	I-131	-6.17E-03	5.67E-03	1.37E-02	U
CF	ONS-6	432957021	9/13/2017	I-131	-8.93E-04	4.59E-03	1.51E-02	U
CF	NBF	433420012	9/20/2017	I-131	-2.15E-03	3.74E-03	1.09E-02	U
CF	SBN	433420013	9/20/2017	I-131	1.11E-04	3.25E-03	1.10E-02	U
CF	DOW	433420014	9/20/2017	I-131	-6.71E-03	5.02E-03	1.26E-02	U
CF	COL	433420015	9/20/2017	I-131	-2.75E-04	4.31E-03	1.39E-02	U
CF	ONS-1	433420016	9/20/2017	I-131	2.52E-03	5.98E-03	1.99E-02	U
CF	ONS-2	433420017	9/20/2017	I-131	4.58E-03	4.24E-03	1.57E-02	U
CF	ONS-3	433420018	9/20/2017	I-131	6.20E-04	3.51E-03	1.24E-02	U
CF	ONS-4	433420019	9/20/2017	I-131	2.98E-03	4.38E-03	1.71E-02	U
CF	ONS-5	433420020	9/20/2017	I-131	-4.20E-03	4.07E-03	9.78E-03	U
CF	ONS-6	433420021	9/20/2017	I-131	1.18E-02	6.63E-03	2.57E-02	U
CF	NBF	433918012	9/27/2017	I-131	2.79E-03	4.00E-03	1.54E-02	U
CF	SBN	433918013	9/27/2017	I-131	-4.04E-03	3.35E-03	7.30E-03	U
CF	DOW	433918014	9/27/2017	I-131	1.08E-02	6.15E-03	2.44E-02	U
CF	COL	433918015	9/27/2017	I-131	2.00E-03	3.41E-03	1.25E-02	U
CF	ONS-1	433918016	9/27/2017	I-131	-7.13E-03	4.69E-03	1.00E-02	U
CF	ONS-2	433918017	9/27/2017	I-131	-4.74E-03	5.32E-03	1.50E-02	U
CF	ONS-3	433918018	9/27/2017	I-131	3.19E-03	9.83E-03	3.46E-02	U
CF	ONS-4	433918019	9/27/2017	I-131	2.61E-03	2.30E-03	1.03E-02	U
CF	ONS-5	433918020	9/27/2017	I-131	-1.86E-03	3.69E-03	1.00E-02	U
CF	ONS-6	433918021	9/27/2017	I-131	2.13E-03	6.15E-03	2.13E-02	U
CF	NBF	434504012	10/4/2017	I-131	-6.49E-03	5.17E-03	1.23E-02	U
CF	SBN	434504013	10/4/2017	I-131	-3.21E-03	4.27E-03	1.22E-02	U
CF	DOW	434504014	10/4/2017	I-131	-1.19E-03	4.67E-03	1.50E-02	U
CF	COL	434504015	10/4/2017	I-131	3.70E-03	6.95E-03	2.55E-02	U
CF	ONS-1	434504016	10/4/2017	I-131	5.76E-03	5.58E-03	2.08E-02	U
CF	ONS-2	434504017	10/4/2017	I-131	-4.14E-03	4.55E-03	1.23E-02	U
CF	ONS-3	434504018	10/4/2017	I-131	-7.42E-04	4.53E-03	1.46E-02	U
CF	ONS-4	434504019	10/4/2017	I-131	-5.29E-03	4.24E-03	9.66E-03	U
CF	ONS-5	434504020	10/4/2017	I-131	-3.62E-03	3.81E-03	1.08E-02	U
CF	ONS-6	434504021	10/4/2017	I-131	-3.73E-04	3.72E-03	1.22E-02	U
CF	NBF	435246012	10/11/2017	I-131	1.32E-03	6.23E-03	2.14E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	435246013	10/11/2017	I-131	-1.40E-03	4.66E-03	1.46E-02	U
CF	DOW	435246014	10/11/2017	I-131	-4.03E-03	6.03E-03	1.77E-02	U
CF	COL	435246015	10/11/2017	I-131	2.83E-03	4.29E-03	1.58E-02	U
CF	ONS-1	435246016	10/11/2017	I-131	-1.12E-02	9.06E-03	2.20E-02	U
CF	ONS-2	435246017	10/11/2017	I-131	-1.38E-03	5.88E-03	1.89E-02	U
CF	ONS-3	435246018	10/11/2017	I-131	-7.76E-05	4.96E-03	1.44E-02	U
CF	ONS-4	435246019	10/11/2017	I-131	3.01E-05	4.37E-03	1.44E-02	U
CF	ONS-5	435246020	10/11/2017	I-131	3.57E-03	4.92E-03	1.82E-02	U
CF	ONS-6	435246021	10/11/2017	I-131	-5.65E-03	4.71E-03	1.15E-02	U
CF	NBF	435541012	10/18/2017	I-131	9.92E-04	2.65E-03	9.56E-03	U
CF	SBN	435541013	10/18/2017	I-131	-3.06E-03	3.06E-03	8.41E-03	U
CF	DOW	435541014	10/18/2017	I-131	-8.90E-04	3.91E-03	1.23E-02	U
CF	COL	435541015	10/18/2017	I-131	1.14E-03	2.48E-03	8.42E-03	U
CF	ONS-1	435541016	10/18/2017	I-131	4.51E-04	3.22E-03	1.07E-02	U
CF	ONS-2	435541017	10/18/2017	I-131	-2.68E-03	2.77E-03	7.33E-03	U
CF	ONS-3	435541018	10/18/2017	I-131	-1.63E-03	2.86E-03	8.66E-03	U
CF	ONS-4	435541019	10/18/2017	I-131	-1.81E-03	2.41E-03	6.86E-03	U
CF	ONS-5	435541020	10/18/2017	I-131	-3.73E-04	3.02E-03	1.01E-02	U
CF	ONS-6	435541021	10/18/2017	I-131	-1.05E-03	2.62E-03	8.10E-03	U
CF	NBF	436477012	10/25/2017	I-131	9.37E-04	3.38E-03	1.20E-02	U
CF	SBN	436477013	10/25/2017	I-131	4.48E-03	4.35E-03	1.57E-02	U
CF	DOW	436477014	10/25/2017	I-131	6.76E-03	4.02E-03	1.61E-02	U
CF	COL	436477015	10/25/2017	I-131	5.37E-03	3.70E-03	1.49E-02	U
CF	ONS-1	436477016	10/25/2017	I-131	-3.80E-03	3.78E-03	9.24E-03	U
CF	ONS-2	436477017	10/25/2017	I-131	-1.80E-03	2.62E-03	6.60E-03	U
CF	ONS-3	436477018	10/25/2017	I-131	1.53E-04	4.20E-03	1.43E-02	U
CF	ONS-4	436477019	10/25/2017	I-131	-2.64E-03	3.42E-03	9.49E-03	U
CF	ONS-5	436477020	10/25/2017	I-131	2.34E-04	3.38E-03	1.16E-02	U
CF	ONS-6	436477021	10/25/2017	I-131	8.36E-04	3.75E-03	1.32E-02	U
CF	NBF	436992012	11/1/2017	I-131	-5.99E-04	6.69E-03	2.18E-02	U
CF	SBN	436992013	11/1/2017	I-131	1.45E-03	4.92E-03	1.72E-02	U
CF	DOW	436992014	11/1/2017	I-131	-7.31E-03	6.13E-03	1.48E-02	U
CF	COL	436992015	11/1/2017	I-131	-4.04E-03	4.72E-03	1.32E-02	U
CF	ONS-1	436992016	11/1/2017	I-131	-6.33E-03	6.50E-03	1.50E-02	U
CF	ONS-2	436992017	11/1/2017	I-131	1.18E-03	3.26E-03	1.18E-02	U
CF	ONS-3	436992018	11/1/2017	I-131	6.31E-03	7.84E-03	2.94E-02	U
CF	ONS-4	436992019	11/1/2017	I-131	7.99E-03	4.10E-03	1.70E-02	U
CF	ONS-5	436992020	11/1/2017	I-131	-1.20E-03	3.56E-03	1.01E-02	U
CF	ONS-6	436992021	11/1/2017	I-131	-2.98E-03	4.32E-03	1.23E-02	U
CF	NBF	437609012	11/8/2017	I-131	-1.39E-03	3.99E-03	1.21E-02	U
CF	SBN	437609013	11/8/2017	I-131	-4.95E-03	4.79E-03	1.20E-02	U
CF	DOW	437609014	11/8/2017	I-131	3.75E-03	4.33E-03	1.59E-02	U
CF	COL	437609015	11/8/2017	I-131	-3.38E-03	3.57E-03	8.36E-03	U
CF	ONS-1	437609016	11/8/2017	I-131	5.44E-03	5.09E-03	1.96E-02	U
CF	ONS-2	437609017	11/8/2017	I-131	1.13E-03	2.35E-03	8.88E-03	U
CF	ONS-3	437609018	11/8/2017	I-131	-1.66E-03	4.69E-03	1.41E-02	U
CF	ONS-4	437609019	11/8/2017	I-131	5.99E-03	3.73E-03	1.61E-02	U
CF	ONS-5	437609020	11/8/2017	I-131	2.25E-03	3.87E-03	1.45E-02	U
CF	ONS-6	437609021	11/8/2017	I-131	1.79E-03	6.53E-03	2.32E-02	U
CF	NBF	438231012	11/15/2017	I-131	5.20E-03	5.11E-03	1.94E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	438231013	11/15/2017	I-131	9.31E-04	4.34E-03	1.53E-02	U
CF	DOW	438231014	11/15/2017	I-131	2.47E-03	3.70E-03	1.38E-02	U
CF	COL	438231015	11/15/2017	I-131	-5.30E-03	5.37E-03	1.44E-02	U
CF	ONS-1	438231016	11/15/2017	I-131	4.28E-03	7.26E-03	2.71E-02	U
CF	ONS-2	438231017	11/15/2017	I-131	4.23E-04	3.56E-03	1.24E-02	U
CF	ONS-3	438231018	11/15/2017	I-131	5.85E-03	3.77E-03	1.64E-02	U
CF	ONS-4	438231019	11/15/2017	I-131	1.03E-03	4.28E-03	1.49E-02	U
CF	ONS-5	438231020	11/15/2017	I-131	-5.76E-03	4.94E-03	1.17E-02	U
CF	ONS-6	438231021	11/15/2017	I-131	-2.19E-03	3.54E-03	1.00E-02	U
CF	NBF	438632012	11/22/2017	I-131	-3.14E-03	3.74E-03	1.07E-02	U
CF	SBN	438632013	11/22/2017	I-131	-2.90E-03	2.73E-03	7.08E-03	U
CF	DOW	438632014	11/22/2017	I-131	3.41E-04	5.48E-03	1.85E-02	U
CF	COL	438632015	11/22/2017	I-131	-3.30E-03	3.15E-03	8.51E-03	U
CF	ONS-1	438632016	11/22/2017	I-131	-5.10E-03	4.95E-03	1.37E-02	U
CF	ONS-2	438632017	11/22/2017	I-131	-1.23E-03	3.63E-03	1.18E-02	U
CF	ONS-3	438632018	11/22/2017	I-131	-3.91E-03	3.35E-03	8.29E-03	U
CF	ONS-4	438632019	11/22/2017	I-131	-5.10E-03	3.23E-03	8.27E-03	U
CF	ONS-5	438632020	11/22/2017	I-131	3.56E-03	4.75E-03	1.71E-02	U
CF	ONS-6	438632021	11/22/2017	I-131	-1.90E-03	3.11E-03	9.45E-03	U
CF	NBF	439089012	11/29/2017	I-131	-4.35E-03	3.78E-03	7.51E-03	U
CF	SBN	439089013	11/29/2017	I-131	-1.58E-03	4.33E-03	1.33E-02	U
CF	DOW	439089014	11/29/2017	I-131	-3.00E-03	4.62E-03	1.33E-02	U
CF	COL	439089015	11/29/2017	I-131	-2.88E-03	3.10E-03	8.79E-03	U
CF	ONS-1	439089016	11/29/2017	I-131	-2.00E-03	3.40E-03	9.60E-03	U
CF	ONS-2	439089017	11/29/2017	I-131	2.94E-03	4.68E-03	1.74E-02	U
CF	ONS-3	439089018	11/29/2017	I-131	-7.91E-03	4.75E-03	8.52E-03	U
CF	ONS-4	439089019	11/29/2017	I-131	9.60E-05	2.67E-03	9.03E-03	U
CF	ONS-5	439089020	11/29/2017	I-131	-9.63E-03	5.44E-03	8.23E-03	U
CF	ONS-6	439089021	11/29/2017	I-131	-1.62E-03	4.42E-03	1.35E-02	U
CF	NBF	439663012	12/6/2017	I-131	6.55E-04	5.78E-03	2.01E-02	U
CF	SBN	439663013	12/6/2017	I-131	-1.38E-03	6.04E-03	1.92E-02	U
CF	DOW	439663014	12/6/2017	I-131	4.43E-03	6.81E-03	2.42E-02	U
CF	COL	439663015	12/6/2017	I-131	1.04E-03	3.96E-03	1.35E-02	U
CF	ONS-1	439663016	12/6/2017	I-131	4.23E-03	4.27E-03	1.65E-02	U
CF	ONS-2	439663017	12/6/2017	I-131	6.02E-03	5.40E-03	2.06E-02	U
CF	ONS-3	439663018	12/6/2017	I-131	-3.67E-03	5.24E-03	1.45E-02	U
CF	ONS-4	439663019	12/6/2017	I-131	-4.43E-03	5.67E-03	1.52E-02	U
CF	ONS-5	439663020	12/6/2017	I-131	6.47E-03	3.51E-03	1.48E-02	U
CF	ONS-6	439663021	12/6/2017	I-131	9.98E-04	4.80E-03	1.68E-02	U
CF	NBF	440158012	12/13/2017	I-131	2.70E-03	1.86E-03	6.82E-03	U
CF	SBN	440158013	12/13/2017	I-131	1.36E-03	2.90E-03	9.79E-03	U
CF	DOW	440158014	12/13/2017	I-131	2.84E-04	2.55E-03	8.13E-03	U
CF	COL	440158015	12/13/2017	I-131	-5.21E-04	1.65E-03	5.38E-03	U
CF	ONS-1	440158016	12/13/2017	I-131	4.76E-03	3.78E-03	1.36E-02	U
CF	ONS-2	440158017	12/13/2017	I-131	5.86E-04	2.72E-03	9.54E-03	U
CF	ONS-3	440158018	12/13/2017	I-131	-3.77E-04	1.37E-03	3.91E-03	U
CF	ONS-4	440158019	12/13/2017	I-131	9.47E-05	2.49E-03	8.07E-03	U
CF	ONS-5	440158020	12/13/2017	I-131	-9.44E-04	2.30E-03	7.45E-03	U
CF	ONS-6	440158021	12/13/2017	I-131	-1.54E-03	3.51E-03	1.10E-02	U
CF	NBF	440693012	12/20/2017	I-131	-3.39E-03	2.78E-03	7.66E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	SBN	440693013	12/20/2017	I-131	-2.36E-03	2.04E-03	5.54E-03	U
CF	DOW	440693014	12/20/2017	I-131	3.66E-03	3.50E-03	8.71E-03	U
CF	COL	440693015	12/20/2017	I-131	4.00E-03	2.99E-03	1.05E-02	U
CF	ONS-1	440693016	12/20/2017	I-131	-2.98E-03	2.33E-03	6.49E-03	U
CF	ONS-2	440693017	12/20/2017	I-131	-6.46E-04	2.31E-03	7.52E-03	U
CF	ONS-3	440693018	12/20/2017	I-131	2.36E-03	2.64E-03	9.03E-03	U
CF	ONS-4	440693019	12/20/2017	I-131	3.98E-04	2.52E-03	8.12E-03	U
CF	ONS-5	440693020	12/20/2017	I-131	-8.80E-04	2.32E-03	7.50E-03	U
CF	ONS-6	440693021	12/20/2017	I-131	8.43E-04	2.43E-03	8.50E-03	U
CF	NBF	440848012	12/27/2017	I-131	2.50E-03	3.74E-03	1.40E-02	U
CF	SBN	440848013	12/27/2017	I-131	-8.49E-03	4.53E-03	6.02E-03	U
CF	DOW	440848014	12/27/2017	I-131	1.50E-03	1.00E-02	3.46E-02	U
CF	COL	440848015	12/27/2017	I-131	1.14E-02	4.68E-03	1.79E-02	U
CF	ONS-1	440848016	12/27/2017	I-131	3.16E-03	4.21E-03	1.50E-02	U
CF	ONS-2	440848017	12/27/2017	I-131	-2.87E-03	3.30E-03	8.11E-03	U
CF	ONS-3	440848018	12/27/2017	I-131	2.11E-03	3.72E-03	1.32E-02	U
CF	ONS-4	440848019	12/27/2017	I-131	-4.35E-04	2.83E-03	9.48E-03	U
CF	ONS-5	440848020	12/27/2017	I-131	-2.75E-03	2.79E-03	7.46E-03	U
CF	ONS-6	440848021	12/27/2017	I-131	4.76E-03	3.81E-03	1.50E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	PCH-CNP	419356001	3/17/2017	Ac-228	1.44E+01	1.04E+01	3.53E+01	U
FH	PCH-CNP	419356001	3/17/2017	Ag-108m	-3.79E+00	1.84E+00	4.53E+00	U
FH	PCH-CNP	419356001	3/17/2017	Ag-110m	2.76E+00	3.16E+00	1.08E+01	U
FH	PCH-CNP	419356001	3/17/2017	Ba-140	8.91E+00	1.37E+01	4.75E+01	U
FH	PCH-CNP	419356001	3/17/2017	Be-7	-2.03E+01	1.75E+01	5.16E+01	U
FH	PCH-CNP	419356001	3/17/2017	Ce-141	-1.23E+00	3.54E+00	1.12E+01	U
FH	PCH-CNP	419356001	3/17/2017	Ce-144	1.71E+01	1.12E+01	3.67E+01	U
FH	PCH-CNP	419356001	3/17/2017	Co-57	-2.49E+00	1.58E+00	4.37E+00	U
FH	PCH-CNP	419356001	3/17/2017	Co-58	7.90E-01	2.11E+00	6.46E+00	U
FH	PCH-CNP	419356001	3/17/2017	Co-60	-5.18E+00	2.75E+00	6.77E+00	U
FH	PCH-CNP	419356001	3/17/2017	Cr-51	3.83E+01	2.06E+01	7.07E+01	U
FH	PCH-CNP	419356001	3/17/2017	Cs-134	1.10E+00	2.75E+00	9.20E+00	U
FH	PCH-CNP	419356001	3/17/2017	Cs-137	1.52E+01	3.86E+00	6.79E+00	M
FH	PCH-CNP	419356001	3/17/2017	Fe-59	-2.66E+00	6.40E+00	1.95E+01	U
FH	PCH-CNP	419356001	3/17/2017	I-131	7.41E+00	5.99E+00	2.10E+01	U
FH	PCH-CNP	419356001	3/17/2017	K-40	3.38E+03	2.06E+02	6.53E+01	
FH	PCH-CNP	419356001	3/17/2017	La-140	4.38E+00	4.66E+00	1.71E+01	U
FH	PCH-CNP	419356001	3/17/2017	Mn-54	-9.44E-01	1.93E+00	5.90E+00	U
FH	PCH-CNP	419356001	3/17/2017	Nb-95	-7.92E-01	2.38E+00	7.52E+00	U
FH	PCH-CNP	419356001	3/17/2017	Ru-103	2.06E+00	2.36E+00	8.23E+00	U
FH	PCH-CNP	419356001	3/17/2017	Ru-106	7.17E+00	1.77E+01	6.02E+01	U
FH	PCH-CNP	419356001	3/17/2017	Sb-124	-6.21E+00	4.10E+00	7.43E+00	U
FH	PCH-CNP	419356001	3/17/2017	Sb-125	3.71E+00	5.25E+00	1.83E+01	U
FH	PCH-CNP	419356001	3/17/2017	Se-75	-1.01E+00	2.60E+00	7.92E+00	U
FH	PCH-CNP	419356001	3/17/2017	Th-228	-9.13E-01	4.10E+00	1.30E+01	U
FH	PCH-CNP	419356001	3/17/2017	Zn-65	6.05E+00	5.12E+00	1.77E+01	U
FH	PCH-CNP	419356001	3/17/2017	Zr-95	-3.69E+00	4.19E+00	1.23E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Ac-228	-6.09E+00	1.23E+01	4.20E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Ag-108m	3.46E+00	2.73E+00	9.24E+00	U
FH	SLM 5 WNW	420003001	4/3/2017	Ag-110m	1.28E-01	4.00E+00	1.33E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Ba-140	2.25E+01	1.38E+01	4.37E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Be-7	-1.21E+01	2.15E+01	6.58E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Ce-141	4.88E+00	7.58E+00	1.36E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Ce-144	7.65E+00	1.63E+01	5.24E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Co-57	2.45E+00	2.07E+00	6.73E+00	U
FH	SLM 5 WNW	420003001	4/3/2017	Co-58	-8.20E-02	2.83E+00	9.45E+00	U
FH	SLM 5 WNW	420003001	4/3/2017	Co-60	3.90E-01	3.61E+00	1.17E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Cr-51	-3.90E+00	2.36E+01	7.78E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Cs-134	4.68E+00	3.53E+00	1.25E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Cs-137	8.03E+00	3.94E+00	8.39E+00	U
FH	SLM 5 WNW	420003001	4/3/2017	Fe-59	2.17E+01	1.46E+01	2.74E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	I-131	1.03E+01	4.28E+00	1.20E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	K-40	2.90E+03	1.81E+02	1.05E+02	
FH	SLM 5 WNW	420003001	4/3/2017	La-140	6.20E-02	3.04E+00	1.02E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Mn-54	3.27E+00	3.12E+00	1.10E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Nb-95	-2.60E-01	3.12E+00	1.04E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Ru-103	-5.19E+00	3.22E+00	8.35E+00	U
FH	SLM 5 WNW	420003001	4/3/2017	Ru-106	-5.23E+01	2.96E+01	6.93E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Sb-124	2.87E+00	5.98E+00	2.13E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Sb-125	-4.72E+00	7.90E+00	2.45E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	SLM 5 WNW	420003001	4/3/2017	Se-75	-2.72E+00	3.03E+00	9.47E+00	U
FH	SLM 5 WNW	420003001	4/3/2017	Th-228	-2.21E+00	5.89E+00	1.96E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Zn-65	-9.95E-01	6.91E+00	2.22E+01	U
FH	SLM 5 WNW	420003001	4/3/2017	Zr-95	3.18E+00	5.06E+00	1.77E+01	U
FH	OFS-N	428363001	7/18/2017	Ac-228	-8.35E+00	1.09E+01	3.38E+01	U
FH	OFS-N	428363001	7/18/2017	Ag-108m	5.71E-01	1.61E+00	5.54E+00	U
FH	OFS-N	428363001	7/18/2017	Ag-110m	-4.84E+00	3.49E+00	9.48E+00	U
FH	OFS-N	428363001	7/18/2017	Ba-140	5.02E-01	9.91E+00	3.16E+01	U
FH	OFS-N	428363001	7/18/2017	Be-7	-4.61E+00	1.61E+01	5.31E+01	U
FH	OFS-N	428363001	7/18/2017	Ce-141	3.39E+00	3.64E+00	1.10E+01	U
FH	OFS-N	428363001	7/18/2017	Ce-144	-1.40E+01	1.24E+01	3.66E+01	U
FH	OFS-N	428363001	7/18/2017	Co-57	1.67E-01	1.56E+00	5.05E+00	U
FH	OFS-N	428363001	7/18/2017	Co-58	1.22E+00	2.09E+00	7.11E+00	U
FH	OFS-N	428363001	7/18/2017	Co-60	-4.95E-01	2.72E+00	7.98E+00	U
FH	OFS-N	428363001	7/18/2017	Cr-51	-7.64E+00	1.84E+01	6.17E+01	U
FH	OFS-N	428363001	7/18/2017	Cs-134	1.31E+00	2.47E+00	8.35E+00	U
FH	OFS-N	428363001	7/18/2017	Cs-137	3.33E+01	5.59E+00	5.99E+00	M
FH	OFS-N	428363001	7/18/2017	Fe-59	-3.19E+00	5.24E+00	1.58E+01	U
FH	OFS-N	428363001	7/18/2017	I-131	-1.29E-01	3.05E+00	1.04E+01	U
FH	OFS-N	428363001	7/18/2017	K-40	3.33E+03	2.06E+02	3.65E+01	
FH	OFS-N	428363001	7/18/2017	La-140	6.47E-01	2.78E+00	9.63E+00	U
FH	OFS-N	428363001	7/18/2017	Mn-54	8.84E-01	2.11E+00	7.09E+00	U
FH	OFS-N	428363001	7/18/2017	Nb-95	-1.36E+00	1.89E+00	5.71E+00	U
FH	OFS-N	428363001	7/18/2017	Ru-103	1.85E+00	2.00E+00	6.92E+00	U
FH	OFS-N	428363001	7/18/2017	Ru-106	6.31E+00	1.95E+01	6.60E+01	U
FH	OFS-N	428363001	7/18/2017	Sb-124	2.30E+00	4.24E+00	1.51E+01	U
FH	OFS-N	428363001	7/18/2017	Sb-125	-1.61E+00	4.69E+00	1.55E+01	U
FH	OFS-N	428363001	7/18/2017	Se-75	-9.92E-01	2.75E+00	8.39E+00	U
FH	OFS-N	428363001	7/18/2017	Th-228	-4.51E+00	4.44E+00	1.26E+01	U
FH	OFS-N	428363001	7/18/2017	Zn-65	2.09E+00	5.24E+00	1.73E+01	U
FH	OFS-N	428363001	7/18/2017	Zr-95	-7.09E+00	4.11E+00	1.04E+01	U
FH	ONS-N	428363002	7/18/2017	Ac-228	5.71E-01	8.48E+00	2.89E+01	U
FH	ONS-N	428363002	7/18/2017	Ag-108m	-1.36E+00	1.39E+00	4.25E+00	U
FH	ONS-N	428363002	7/18/2017	Ag-110m	-9.91E-01	2.93E+00	9.18E+00	U
FH	ONS-N	428363002	7/18/2017	Ba-140	9.39E+00	8.35E+00	2.92E+01	U
FH	ONS-N	428363002	7/18/2017	Be-7	2.23E+01	1.37E+01	4.80E+01	U
FH	ONS-N	428363002	7/18/2017	Ce-141	-1.40E+00	2.75E+00	8.64E+00	U
FH	ONS-N	428363002	7/18/2017	Ce-144	-3.64E+00	9.46E+00	3.00E+01	U
FH	ONS-N	428363002	7/18/2017	Co-57	2.38E+00	1.34E+00	4.33E+00	U
FH	ONS-N	428363002	7/18/2017	Co-58	-2.59E+00	2.14E+00	5.96E+00	U
FH	ONS-N	428363002	7/18/2017	Co-60	-4.13E+00	2.34E+00	5.70E+00	U
FH	ONS-N	428363002	7/18/2017	Cr-51	-1.72E+01	1.46E+01	4.53E+01	U
FH	ONS-N	428363002	7/18/2017	Cs-134	-1.27E+00	2.11E+00	6.45E+00	U
FH	ONS-N	428363002	7/18/2017	Cs-137	2.29E+01	3.87E+00	6.99E+00	M
FH	ONS-N	428363002	7/18/2017	Fe-59	4.66E-01	5.23E+00	1.68E+01	U
FH	ONS-N	428363002	7/18/2017	I-131	-2.23E+00	2.74E+00	8.76E+00	U
FH	ONS-N	428363002	7/18/2017	K-40	3.31E+03	1.96E+02	5.03E+01	
FH	ONS-N	428363002	7/18/2017	La-140	-1.17E+00	2.25E+00	6.73E+00	U
FH	ONS-N	428363002	7/18/2017	Mn-54	3.78E+00	2.21E+00	7.49E+00	U
FH	ONS-N	428363002	7/18/2017	Nb-95	6.03E-01	1.88E+00	6.30E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	ONS-N	428363002	7/18/2017	Ru-103	-9.97E-02	1.47E+00	4.92E+00	U
FH	ONS-N	428363002	7/18/2017	Ru-106	-1.53E+01	1.43E+01	4.13E+01	U
FH	ONS-N	428363002	7/18/2017	Sb-124	-4.75E+00	3.59E+00	8.08E+00	U
FH	ONS-N	428363002	7/18/2017	Sb-125	-6.74E-01	4.32E+00	1.45E+01	U
FH	ONS-N	428363002	7/18/2017	Se-75	-1.14E+00	2.00E+00	5.99E+00	U
FH	ONS-N	428363002	7/18/2017	Th-228	-5.10E+00	3.54E+00	1.05E+01	U
FH	ONS-N	428363002	7/18/2017	Zn-65	-6.06E+00	4.66E+00	1.20E+01	U
FH	ONS-N	428363002	7/18/2017	Zr-95	3.16E-01	3.14E+00	1.04E+01	U
FH	ONS-S	428363003	7/18/2017	Ac-228	9.32E+00	1.55E+01	3.77E+01	U
FH	ONS-S	428363003	7/18/2017	Ag-108m	-8.63E-01	1.93E+00	6.15E+00	U
FH	ONS-S	428363003	7/18/2017	Ag-110m	2.34E+00	3.56E+00	1.18E+01	U
FH	ONS-S	428363003	7/18/2017	Ba-140	-1.07E+01	9.69E+00	2.75E+01	U
FH	ONS-S	428363003	7/18/2017	Be-7	4.97E-01	1.79E+01	5.89E+01	U
FH	ONS-S	428363003	7/18/2017	Ce-141	-6.40E+00	4.02E+00	1.13E+01	U
FH	ONS-S	428363003	7/18/2017	Ce-144	-9.30E+00	1.30E+01	3.84E+01	U
FH	ONS-S	428363003	7/18/2017	Co-57	4.33E-01	1.87E+00	5.87E+00	U
FH	ONS-S	428363003	7/18/2017	Co-58	9.27E-01	2.38E+00	7.07E+00	U
FH	ONS-S	428363003	7/18/2017	Co-60	2.08E+00	2.53E+00	8.95E+00	U
FH	ONS-S	428363003	7/18/2017	Cr-51	-5.35E+00	1.86E+01	6.10E+01	U
FH	ONS-S	428363003	7/18/2017	Cs-134	2.40E+00	2.92E+00	9.75E+00	U
FH	ONS-S	428363003	7/18/2017	Cs-137	2.15E+01	4.24E+00	7.60E+00	M
FH	ONS-S	428363003	7/18/2017	Fe-59	-4.73E+00	6.24E+00	1.96E+01	U
FH	ONS-S	428363003	7/18/2017	I-131	-4.05E+00	3.64E+00	1.09E+01	U
FH	ONS-S	428363003	7/18/2017	K-40	3.88E+03	1.83E+02	4.86E+01	
FH	ONS-S	428363003	7/18/2017	La-140	6.89E-01	3.80E+00	1.28E+01	U
FH	ONS-S	428363003	7/18/2017	Mn-54	5.25E+00	2.11E+00	7.06E+00	U
FH	ONS-S	428363003	7/18/2017	Nb-95	1.56E+00	2.55E+00	8.38E+00	U
FH	ONS-S	428363003	7/18/2017	Ru-103	1.79E+00	2.43E+00	8.21E+00	U
FH	ONS-S	428363003	7/18/2017	Ru-106	-3.27E+00	2.03E+01	6.47E+01	U
FH	ONS-S	428363003	7/18/2017	Sb-124	-6.88E-02	2.93E+00	9.55E+00	U
FH	ONS-S	428363003	7/18/2017	Sb-125	4.00E-01	6.05E+00	2.00E+01	U
FH	ONS-S	428363003	7/18/2017	Se-75	1.44E+00	2.58E+00	8.83E+00	U
FH	ONS-S	428363003	7/18/2017	Th-228	1.63E-01	3.97E+00	1.30E+01	U
FH	ONS-S	428363003	7/18/2017	Zn-65	1.94E+00	5.82E+00	2.00E+01	U
FH	ONS-S	428363003	7/18/2017	Zr-95	2.71E+00	3.54E+00	1.21E+01	U
FH	OFS-S	428363004	7/18/2017	Ac-228	-2.30E+01	2.09E+01	5.57E+01	U
FH	OFS-S	428363004	7/18/2017	Ag-108m	-2.60E+00	2.88E+00	8.83E+00	U
FH	OFS-S	428363004	7/18/2017	Ag-110m	2.81E+00	4.87E+00	1.67E+01	U
FH	OFS-S	428363004	7/18/2017	Ba-140	-1.83E+01	1.63E+01	4.64E+01	U
FH	OFS-S	428363004	7/18/2017	Be-7	5.64E+00	2.74E+01	9.38E+01	U
FH	OFS-S	428363004	7/18/2017	Ce-141	3.40E+00	4.27E+00	1.45E+01	U
FH	OFS-S	428363004	7/18/2017	Ce-144	-1.15E+01	1.69E+01	5.32E+01	U
FH	OFS-S	428363004	7/18/2017	Co-57	-1.26E+00	2.23E+00	7.15E+00	U
FH	OFS-S	428363004	7/18/2017	Co-58	-3.85E+00	4.49E+00	1.28E+01	U
FH	OFS-S	428363004	7/18/2017	Co-60	1.40E+00	3.92E+00	1.37E+01	U
FH	OFS-S	428363004	7/18/2017	Cr-51	4.46E+00	2.63E+01	8.34E+01	U
FH	OFS-S	428363004	7/18/2017	Cs-134	-1.67E+00	4.36E+00	1.34E+01	U
FH	OFS-S	428363004	7/18/2017	Cs-137	1.00E+01	4.68E+00	1.61E+01	U
FH	OFS-S	428363004	7/18/2017	Fe-59	-1.05E+01	9.01E+00	2.53E+01	U
FH	OFS-S	428363004	7/18/2017	I-131	-1.48E+00	5.25E+00	1.76E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	OFS-S	428363004	7/18/2017	K-40	2.98E+03	2.40E+02	1.26E+02	
FH	OFS-S	428363004	7/18/2017	La-140	-9.07E+00	7.82E+00	1.98E+01	U
FH	OFS-S	428363004	7/18/2017	Mn-54	-2.53E+00	3.00E+00	8.15E+00	U
FH	OFS-S	428363004	7/18/2017	Nb-95	-5.25E+00	4.16E+00	1.09E+01	U
FH	OFS-S	428363004	7/18/2017	Ru-103	1.37E+00	3.48E+00	1.20E+01	U
FH	OFS-S	428363004	7/18/2017	Ru-106	1.99E+01	2.66E+01	9.39E+01	U
FH	OFS-S	428363004	7/18/2017	Sb-124	-1.42E+01	7.81E+00	0.00E+00	U
FH	OFS-S	428363004	7/18/2017	Sb-125	2.31E+00	8.48E+00	2.93E+01	U
FH	OFS-S	428363004	7/18/2017	Se-75	-2.04E+00	4.34E+00	1.21E+01	U
FH	OFS-S	428363004	7/18/2017	Th-228	1.90E+01	8.62E+00	1.95E+01	U
FH	OFS-S	428363004	7/18/2017	Zn-65	-3.38E-01	9.78E+00	3.29E+01	U
FH	OFS-S	428363004	7/18/2017	Zr-95	-5.70E+00	7.98E+00	2.37E+01	U
FH	OFS-N	432037001	8/30/2017	Ac-228	-1.90E+01	1.13E+01	2.98E+01	U
FH	OFS-N	432037001	8/30/2017	Ag-108m	3.59E-01	1.57E+00	5.21E+00	U
FH	OFS-N	432037001	8/30/2017	Ag-110m	5.59E-01	2.81E+00	8.61E+00	U
FH	OFS-N	432037001	8/30/2017	Ba-140	8.56E+00	1.15E+01	3.88E+01	U
FH	OFS-N	432037001	8/30/2017	Be-7	-2.35E+01	1.94E+01	5.47E+01	U
FH	OFS-N	432037001	8/30/2017	Ce-141	-3.56E+00	3.64E+00	1.04E+01	U
FH	OFS-N	432037001	8/30/2017	Ce-144	-1.58E+01	1.29E+01	3.53E+01	U
FH	OFS-N	432037001	8/30/2017	Co-57	1.14E+00	1.68E+00	5.30E+00	U
FH	OFS-N	432037001	8/30/2017	Co-58	-2.92E-02	2.30E+00	7.82E+00	U
FH	OFS-N	432037001	8/30/2017	Co-60	1.23E+00	2.69E+00	8.34E+00	U
FH	OFS-N	432037001	8/30/2017	Cr-51	4.51E+00	1.84E+01	6.19E+01	U
FH	OFS-N	432037001	8/30/2017	Cs-134	1.25E+00	2.58E+00	7.71E+00	U
FH	OFS-N	432037001	8/30/2017	Cs-137	8.82E+00	3.53E+00	1.10E+01	U
FH	OFS-N	432037001	8/30/2017	Fe-59	2.90E+00	5.07E+00	1.77E+01	U
FH	OFS-N	432037001	8/30/2017	I-131	-6.54E+00	4.47E+00	1.25E+01	U
FH	OFS-N	432037001	8/30/2017	K-40	3.44E+03	2.17E+02	7.50E+01	
FH	OFS-N	432037001	8/30/2017	La-140	-2.42E+00	3.57E+00	1.02E+01	U
FH	OFS-N	432037001	8/30/2017	Mn-54	-3.47E+00	2.67E+00	7.81E+00	U
FH	OFS-N	432037001	8/30/2017	Nb-95	2.19E+00	2.66E+00	8.51E+00	U
FH	OFS-N	432037001	8/30/2017	Ru-103	7.66E-01	2.33E+00	7.73E+00	U
FH	OFS-N	432037001	8/30/2017	Ru-106	5.23E+01	2.92E+01	6.22E+01	U
FH	OFS-N	432037001	8/30/2017	Sb-124	5.96E+00	4.05E+00	1.60E+01	U
FH	OFS-N	432037001	8/30/2017	Sb-125	-1.92E+00	6.26E+00	1.77E+01	U
FH	OFS-N	432037001	8/30/2017	Se-75	-1.11E+00	2.55E+00	8.29E+00	U
FH	OFS-N	432037001	8/30/2017	Th-228	1.92E-01	4.54E+00	1.19E+01	U
FH	OFS-N	432037001	8/30/2017	Zn-65	9.93E+00	6.98E+00	2.42E+01	U
FH	OFS-N	432037001	8/30/2017	Zr-95	-3.95E+00	4.31E+00	1.21E+01	U
FH	ONS-N	432037002	8/30/2017	Ac-228	-9.40E+00	1.11E+01	3.67E+01	U
FH	ONS-N	432037002	8/30/2017	Ag-108m	1.15E+00	1.70E+00	5.81E+00	U
FH	ONS-N	432037002	8/30/2017	Ag-110m	-2.80E+00	3.51E+00	1.01E+01	U
FH	ONS-N	432037002	8/30/2017	Ba-140	-3.30E+01	1.46E+01	3.13E+01	U
FH	ONS-N	432037002	8/30/2017	Be-7	3.04E+00	1.62E+01	5.41E+01	U
FH	ONS-N	432037002	8/30/2017	Ce-141	-2.16E+00	3.67E+00	1.12E+01	U
FH	ONS-N	432037002	8/30/2017	Ce-144	8.04E+00	1.23E+01	3.99E+01	U
FH	ONS-N	432037002	8/30/2017	Co-57	1.28E+00	1.64E+00	5.32E+00	U
FH	ONS-N	432037002	8/30/2017	Co-58	-7.08E-01	2.66E+00	8.30E+00	U
FH	ONS-N	432037002	8/30/2017	Co-60	5.28E+00	2.99E+00	1.04E+01	U
FH	ONS-N	432037002	8/30/2017	Cr-51	-2.67E+00	1.96E+01	6.59E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	ONS-N	432037002	8/30/2017	Cs-134	8.49E+00	3.76E+00	9.24E+00	U
FH	ONS-N	432037002	8/30/2017	Cs-137	1.98E+01	4.70E+00	8.06E+00	M
FH	ONS-N	432037002	8/30/2017	Fe-59	-5.89E-01	6.01E+00	2.00E+01	U
FH	ONS-N	432037002	8/30/2017	I-131	5.75E+00	4.43E+00	1.52E+01	U
FH	ONS-N	432037002	8/30/2017	K-40	3.44E+03	2.17E+02	7.01E+01	
FH	ONS-N	432037002	8/30/2017	La-140	8.81E-01	3.12E+00	1.06E+01	U
FH	ONS-N	432037002	8/30/2017	Mn-54	2.06E+00	2.25E+00	6.97E+00	U
FH	ONS-N	432037002	8/30/2017	Nb-95	-2.10E-01	2.54E+00	8.10E+00	U
FH	ONS-N	432037002	8/30/2017	Ru-103	-6.70E-02	2.10E+00	6.89E+00	U
FH	ONS-N	432037002	8/30/2017	Ru-106	-2.44E+01	2.03E+01	5.71E+01	U
FH	ONS-N	432037002	8/30/2017	Sb-124	7.39E+00	5.22E+00	1.94E+01	U
FH	ONS-N	432037002	8/30/2017	Sb-125	3.56E+00	5.30E+00	1.82E+01	U
FH	ONS-N	432037002	8/30/2017	Se-75	1.63E+00	3.18E+00	9.97E+00	U
FH	ONS-N	432037002	8/30/2017	Th-228	-5.48E+00	4.22E+00	1.27E+01	U
FH	ONS-N	432037002	8/30/2017	Zn-65	-7.99E+00	6.42E+00	1.87E+01	U
FH	ONS-N	432037002	8/30/2017	Zr-95	-1.06E+00	4.88E+00	1.54E+01	U
FH	ONS-S	432037003	8/30/2017	Ac-228	-5.37E+00	1.29E+01	4.21E+01	U
FH	ONS-S	432037003	8/30/2017	Ag-108m	1.73E-01	2.03E+00	6.05E+00	U
FH	ONS-S	432037003	8/30/2017	Ag-110m	-3.20E+00	3.82E+00	1.16E+01	U
FH	ONS-S	432037003	8/30/2017	Ba-140	-4.18E+00	1.20E+01	3.78E+01	U
FH	ONS-S	432037003	8/30/2017	Be-7	-5.31E+00	2.04E+01	6.57E+01	U
FH	ONS-S	432037003	8/30/2017	Ce-141	-3.25E+00	3.78E+00	1.15E+01	U
FH	ONS-S	432037003	8/30/2017	Ce-144	-7.25E+00	1.20E+01	3.76E+01	U
FH	ONS-S	432037003	8/30/2017	Co-57	1.99E+00	2.20E+00	4.50E+00	U
FH	ONS-S	432037003	8/30/2017	Co-58	4.16E+00	3.64E+00	1.15E+01	U
FH	ONS-S	432037003	8/30/2017	Co-60	-3.72E+00	3.25E+00	8.62E+00	U
FH	ONS-S	432037003	8/30/2017	Cr-51	-4.00E+01	2.18E+01	5.89E+01	U
FH	ONS-S	432037003	8/30/2017	Cs-134	-1.59E+00	2.93E+00	9.39E+00	U
FH	ONS-S	432037003	8/30/2017	Cs-137	1.88E+01	6.66E+00	9.69E+00	M
FH	ONS-S	432037003	8/30/2017	Fe-59	4.26E+00	6.56E+00	2.24E+01	U
FH	ONS-S	432037003	8/30/2017	I-131	1.91E+00	4.93E+00	1.68E+01	U
FH	ONS-S	432037003	8/30/2017	K-40	3.45E+03	2.19E+02	9.03E+01	
FH	ONS-S	432037003	8/30/2017	La-140	1.20E+01	5.34E+00	1.97E+01	U
FH	ONS-S	432037003	8/30/2017	Mn-54	3.69E-01	2.80E+00	9.50E+00	U
FH	ONS-S	432037003	8/30/2017	Nb-95	2.88E+00	2.99E+00	9.59E+00	U
FH	ONS-S	432037003	8/30/2017	Ru-103	-6.25E-01	2.70E+00	8.69E+00	U
FH	ONS-S	432037003	8/30/2017	Ru-106	-3.08E+01	2.36E+01	6.33E+01	U
FH	ONS-S	432037003	8/30/2017	Sb-124	-1.09E+01	5.97E+00	1.07E+01	U
FH	ONS-S	432037003	8/30/2017	Sb-125	4.77E+00	6.48E+00	2.21E+01	U
FH	ONS-S	432037003	8/30/2017	Se-75	9.51E-01	2.74E+00	9.51E+00	U
FH	ONS-S	432037003	8/30/2017	Th-228	1.01E+01	6.86E+00	1.49E+01	U
FH	ONS-S	432037003	8/30/2017	Zn-65	1.10E+01	6.75E+00	2.20E+01	U
FH	ONS-S	432037003	8/30/2017	Zr-95	-5.91E+00	5.17E+00	1.54E+01	U
FH	OFS-S	432037004	8/30/2017	Ac-228	1.91E+01	2.17E+01	4.86E+01	U
FH	OFS-S	432037004	8/30/2017	Ag-108m	8.07E-02	2.19E+00	7.23E+00	U
FH	OFS-S	432037004	8/30/2017	Ag-110m	1.98E+00	4.48E+00	1.55E+01	U
FH	OFS-S	432037004	8/30/2017	Ba-140	8.95E+00	2.32E+01	7.70E+01	U
FH	OFS-S	432037004	8/30/2017	Be-7	-4.05E+01	2.82E+01	7.60E+01	U
FH	OFS-S	432037004	8/30/2017	Ce-141	-8.44E+00	5.30E+00	1.43E+01	U
FH	OFS-S	432037004	8/30/2017	Ce-144	-6.14E+00	1.32E+01	4.09E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	OFS-S	432037004	8/30/2017	Co-57	2.51E+00	1.82E+00	5.92E+00	U
FH	OFS-S	432037004	8/30/2017	Co-58	5.31E+00	4.52E+00	7.94E+00	U
FH	OFS-S	432037004	8/30/2017	Co-60	7.42E+00	4.52E+00	1.59E+01	U
FH	OFS-S	432037004	8/30/2017	Cr-51	-7.54E+00	2.58E+01	8.48E+01	U
FH	OFS-S	432037004	8/30/2017	Cs-134	-3.31E+00	3.64E+00	1.11E+01	U
FH	OFS-S	432037004	8/30/2017	Cs-137	1.61E+01	7.09E+00	9.62E+00	M
FH	OFS-S	432037004	8/30/2017	Fe-59	-1.78E+00	9.08E+00	2.93E+01	U
FH	OFS-S	432037004	8/30/2017	I-131	-6.89E+00	8.15E+00	2.50E+01	U
FH	OFS-S	432037004	8/30/2017	K-40	2.74E+03	1.98E+02	1.10E+02	
FH	OFS-S	432037004	8/30/2017	La-140	-3.24E+00	6.57E+00	2.02E+01	U
FH	OFS-S	432037004	8/30/2017	Mn-54	3.47E+00	3.03E+00	1.08E+01	U
FH	OFS-S	432037004	8/30/2017	Nb-95	7.14E+00	3.65E+00	1.29E+01	U
FH	OFS-S	432037004	8/30/2017	Ru-103	1.19E+00	3.26E+00	1.09E+01	U
FH	OFS-S	432037004	8/30/2017	Ru-106	1.78E+01	2.83E+01	9.45E+01	U
FH	OFS-S	432037004	8/30/2017	Sb-124	1.30E+00	8.47E+00	2.89E+01	U
FH	OFS-S	432037004	8/30/2017	Sb-125	1.07E+00	6.35E+00	2.12E+01	U
FH	OFS-S	432037004	8/30/2017	Se-75	-1.10E-01	3.22E+00	1.09E+01	U
FH	OFS-S	432037004	8/30/2017	Th-228	-8.48E+00	5.27E+00	1.56E+01	U
FH	OFS-S	432037004	8/30/2017	Zn-65	-4.31E+00	8.18E+00	2.53E+01	U
FH	OFS-S	432037004	8/30/2017	Zr-95	-4.57E+00	6.87E+00	2.18E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	SL-2	420877001	4/17/2017	Ac-228	2.45E+02	8.72E+01	8.55E+01	
SE	SL-2	420877001	4/17/2017	Ag-108m	1.02E+01	7.50E+00	2.43E+01	U
SE	SL-2	420877001	4/17/2017	Ag-110m	-8.93E-01	8.42E+00	2.91E+01	U
SE	SL-2	420877001	4/17/2017	Ba-140	4.72E+00	2.86E+01	9.82E+01	U
SE	SL-2	420877001	4/17/2017	Be-7	6.05E+01	6.06E+01	2.16E+02	U
SE	SL-2	420877001	4/17/2017	Ce-141	5.53E+00	9.26E+00	3.49E+01	U
SE	SL-2	420877001	4/17/2017	Ce-144	-4.33E+01	3.83E+01	1.32E+02	U
SE	SL-2	420877001	4/17/2017	Co-57	3.29E+00	4.76E+00	1.81E+01	U
SE	SL-2	420877001	4/17/2017	Co-58	4.40E-01	6.08E+00	2.15E+01	U
SE	SL-2	420877001	4/17/2017	Co-60	1.17E+01	8.20E+00	3.03E+01	U
SE	SL-2	420877001	4/17/2017	Cr-51	3.63E+01	5.64E+01	2.04E+02	U
SE	SL-2	420877001	4/17/2017	Cs-134	1.47E+01	1.01E+01	3.66E+01	U
SE	SL-2	420877001	4/17/2017	Cs-137	-1.08E+00	8.63E+00	2.85E+01	U
SE	SL-2	420877001	4/17/2017	Fe-59	4.04E+00	1.57E+01	5.48E+01	U
SE	SL-2	420877001	4/17/2017	I-131	-1.20E+01	8.89E+00	2.71E+01	U
SE	SL-2	420877001	4/17/2017	K-40	5.18E+03	3.56E+02	2.14E+02	
SE	SL-2	420877001	4/17/2017	La-140	-2.29E+01	1.05E+01	1.64E+01	U
SE	SL-2	420877001	4/17/2017	Mn-54	-7.32E+00	7.55E+00	2.38E+01	U
SE	SL-2	420877001	4/17/2017	Nb-95	9.77E+00	8.79E+00	3.21E+01	U
SE	SL-2	420877001	4/17/2017	Ru-103	4.06E+00	7.34E+00	2.58E+01	U
SE	SL-2	420877001	4/17/2017	Ru-106	6.62E+01	6.68E+01	2.36E+02	U
SE	SL-2	420877001	4/17/2017	Sb-124	9.15E+00	1.21E+01	4.51E+01	U
SE	SL-2	420877001	4/17/2017	Sb-125	5.72E+01	2.21E+01	7.28E+01	U
SE	SL-2	420877001	4/17/2017	Se-75	1.82E+00	8.73E+00	3.15E+01	U
SE	SL-2	420877001	4/17/2017	Th-228	1.87E+02	3.47E+01	4.66E+01	
SE	SL-2	420877001	4/17/2017	Zn-65	3.64E+01	2.52E+01	6.34E+01	U
SE	SL-2	420877001	4/17/2017	Zr-95	2.82E+01	1.64E+01	5.68E+01	U
SE	SL-3	420877002	4/17/2017	Ac-228	1.33E+02	6.91E+01	1.53E+02	U
SE	SL-3	420877002	4/17/2017	Ag-108m	7.96E+00	6.36E+00	2.30E+01	U
SE	SL-3	420877002	4/17/2017	Ag-110m	-1.05E+01	9.66E+00	2.96E+01	U
SE	SL-3	420877002	4/17/2017	Ba-140	-5.09E+01	2.82E+01	7.43E+01	U
SE	SL-3	420877002	4/17/2017	Be-7	1.18E+02	5.97E+01	2.10E+02	U
SE	SL-3	420877002	4/17/2017	Ce-141	-9.83E+00	9.17E+00	2.96E+01	U
SE	SL-3	420877002	4/17/2017	Ce-144	-3.08E+01	3.55E+01	1.18E+02	U
SE	SL-3	420877002	4/17/2017	Co-57	2.50E+00	4.47E+00	1.62E+01	U
SE	SL-3	420877002	4/17/2017	Co-58	1.82E+00	5.22E+00	1.89E+01	U
SE	SL-3	420877002	4/17/2017	Co-60	-6.16E+00	8.71E+00	2.67E+01	U
SE	SL-3	420877002	4/17/2017	Cr-51	-9.08E+01	5.23E+01	1.48E+02	U
SE	SL-3	420877002	4/17/2017	Cs-134	-1.66E+01	8.87E+00	2.07E+01	U
SE	SL-3	420877002	4/17/2017	Cs-137	-3.48E+00	7.45E+00	2.39E+01	U
SE	SL-3	420877002	4/17/2017	Fe-59	-1.02E+01	1.66E+01	5.34E+01	U
SE	SL-3	420877002	4/17/2017	I-131	2.78E+00	6.67E+00	2.43E+01	U
SE	SL-3	420877002	4/17/2017	K-40	6.07E+03	3.61E+02	2.44E+02	
SE	SL-3	420877002	4/17/2017	La-140	3.63E+00	7.54E+00	2.38E+01	U
SE	SL-3	420877002	4/17/2017	Mn-54	7.91E+00	6.65E+00	2.45E+01	U
SE	SL-3	420877002	4/17/2017	Nb-95	7.45E+00	6.72E+00	2.37E+01	U
SE	SL-3	420877002	4/17/2017	Ru-103	-6.30E+00	6.46E+00	2.03E+01	U
SE	SL-3	420877002	4/17/2017	Ru-106	4.65E+01	6.60E+01	2.32E+02	U
SE	SL-3	420877002	4/17/2017	Sb-124	-2.49E+01	1.89E+01	4.07E+01	U
SE	SL-3	420877002	4/17/2017	Sb-125	3.16E+01	1.98E+01	7.10E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	SL-3	420877002	4/17/2017	Se-75	7.18E+00	7.32E+00	2.74E+01	U
SE	SL-3	420877002	4/17/2017	Th-228	1.27E+02	2.85E+01	4.06E+01	
SE	SL-3	420877002	4/17/2017	Zn-65	1.25E+01	2.05E+01	6.46E+01	U
SE	SL-3	420877002	4/17/2017	Zr-95	-6.15E+00	1.10E+01	3.39E+01	U
SE	SL-2	435761001	10/20/2017	Ac-228	1.52E+02	7.21E+01	2.28E+02	U
SE	SL-2	435761001	10/20/2017	Ag-108m	1.29E+00	7.01E+00	2.43E+01	U
SE	SL-2	435761001	10/20/2017	Ag-110m	1.50E+01	1.47E+01	5.65E+01	U
SE	SL-2	435761001	10/20/2017	Ba-140	5.94E+01	1.17E+02	4.26E+02	U
SE	SL-2	435761001	10/20/2017	Be-7	1.06E+02	8.59E+01	3.33E+02	U
SE	SL-2	435761001	10/20/2017	Ce-141	1.03E+01	2.07E+01	7.60E+01	U
SE	SL-2	435761001	10/20/2017	Ce-144	-3.94E+01	4.70E+01	1.55E+02	U
SE	SL-2	435761001	10/20/2017	Co-57	-4.90E+00	6.19E+00	2.08E+01	U
SE	SL-2	435761001	10/20/2017	Co-58	4.78E+00	9.89E+00	3.54E+01	U
SE	SL-2	435761001	10/20/2017	Co-60	8.20E+00	1.21E+01	4.45E+01	U
SE	SL-2	435761001	10/20/2017	Cr-51	-7.99E+01	1.23E+02	4.21E+02	U
SE	SL-2	435761001	10/20/2017	Cs-134	-6.64E+00	1.00E+01	3.02E+01	U
SE	SL-2	435761001	10/20/2017	Cs-137	1.14E+01	1.10E+01	4.06E+01	U
SE	SL-2	435761001	10/20/2017	Fe-59	-3.54E+00	2.06E+01	6.80E+01	U
SE	SL-2	435761001	10/20/2017	I-131	-5.08E+01	7.69E+01	2.59E+02	U
SE	SL-2	435761001	10/20/2017	K-40	5.16E+03	5.59E+02	2.88E+02	
SE	SL-2	435761001	10/20/2017	La-140	1.47E+01	5.41E+01	1.85E+02	U
SE	SL-2	435761001	10/20/2017	Mn-54	5.22E+00	1.24E+01	4.27E+01	U
SE	SL-2	435761001	10/20/2017	Nb-95	2.19E+00	1.34E+01	4.55E+01	U
SE	SL-2	435761001	10/20/2017	Ru-103	-7.77E+00	1.43E+01	4.70E+01	U
SE	SL-2	435761001	10/20/2017	Ru-106	5.72E+01	8.55E+01	3.13E+02	U
SE	SL-2	435761001	10/20/2017	Sb-124	7.39E-02	2.13E+01	6.90E+01	U
SE	SL-2	435761001	10/20/2017	Sb-125	-1.35E+01	2.73E+01	9.19E+01	U
SE	SL-2	435761001	10/20/2017	Se-75	-2.77E+01	1.71E+01	4.27E+01	U
SE	SL-2	435761001	10/20/2017	Th-228	1.87E+02	6.32E+01	1.03E+02	UI
SE	SL-2	435761001	10/20/2017	Zn-65	5.06E+01	2.71E+01	1.03E+02	U
SE	SL-2	435761001	10/20/2017	Zr-95	1.65E+00	2.39E+01	8.05E+01	U
SE	SL-3	435761002	10/20/2017	Ac-228	8.49E+01	6.89E+01	1.75E+02	U
SE	SL-3	435761002	10/20/2017	Ag-108m	4.74E+00	6.21E+00	2.35E+01	U
SE	SL-3	435761002	10/20/2017	Ag-110m	-3.21E-01	1.11E+01	3.67E+01	U
SE	SL-3	435761002	10/20/2017	Ba-140	7.41E+01	1.01E+02	3.78E+02	U
SE	SL-3	435761002	10/20/2017	Be-7	1.28E+02	9.08E+01	3.44E+02	U
SE	SL-3	435761002	10/20/2017	Ce-141	-1.98E+01	1.57E+01	4.91E+01	U
SE	SL-3	435761002	10/20/2017	Ce-144	1.33E+01	3.66E+01	1.37E+02	U
SE	SL-3	435761002	10/20/2017	Co-57	1.66E+00	4.18E+00	1.59E+01	U
SE	SL-3	435761002	10/20/2017	Co-58	-1.77E+01	1.22E+01	2.22E+01	U
SE	SL-3	435761002	10/20/2017	Co-60	1.39E+01	1.07E+01	4.08E+01	U
SE	SL-3	435761002	10/20/2017	Cr-51	-1.72E+02	1.29E+02	3.60E+02	U
SE	SL-3	435761002	10/20/2017	Cs-134	5.70E+00	9.42E+00	3.12E+01	U
SE	SL-3	435761002	10/20/2017	Cs-137	7.97E+00	8.77E+00	3.25E+01	U
SE	SL-3	435761002	10/20/2017	Fe-59	-1.78E+01	2.41E+01	7.32E+01	U
SE	SL-3	435761002	10/20/2017	I-131	4.57E+01	6.92E+01	2.42E+02	U
SE	SL-3	435761002	10/20/2017	K-40	6.59E+03	5.50E+02	1.52E+02	
SE	SL-3	435761002	10/20/2017	La-140	3.01E+01	3.97E+01	1.48E+02	U
SE	SL-3	435761002	10/20/2017	Mn-54	4.34E+00	1.06E+01	3.67E+01	U
SE	SL-3	435761002	10/20/2017	Nb-95	-3.77E+00	1.39E+01	4.55E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	SL-3	435761002	10/20/2017	Ru-103	7.01E+00	1.18E+01	4.38E+01	U
SE	SL-3	435761002	10/20/2017	Ru-106	1.19E+02	8.61E+01	3.21E+02	U
SE	SL-3	435761002	10/20/2017	Sb-124	-4.67E+00	2.20E+01	6.75E+01	U
SE	SL-3	435761002	10/20/2017	Sb-125	-2.18E+01	1.96E+01	6.05E+01	U
SE	SL-3	435761002	10/20/2017	Se-75	-1.36E+01	1.06E+01	3.05E+01	U
SE	SL-3	435761002	10/20/2017	Th-228	1.88E+02	3.42E+01	3.98E+01	
SE	SL-3	435761002	10/20/2017	Zn-65	3.03E+01	2.41E+01	8.52E+01	U
SE	SL-3	435761002	10/20/2017	Zr-95	-2.93E+01	2.08E+01	5.22E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	ONS-G	431645008	8/25/2017	Ac-228	-1.31E+01	2.06E+01	6.75E+01	U
TF	ONS-G	431645008	8/25/2017	Ag-108m	1.36E+00	4.43E+00	1.50E+01	U
TF	ONS-G	431645008	8/25/2017	Ag-110m	-4.10E+00	6.79E+00	1.99E+01	U
TF	ONS-G	431645008	8/25/2017	Ba-140	-2.77E+00	2.41E+01	7.83E+01	U
TF	ONS-G	431645008	8/25/2017	Be-7	6.82E+01	4.43E+01	1.51E+02	U
TF	ONS-G	431645008	8/25/2017	Ce-141	-2.00E+01	9.09E+00	2.00E+01	U
TF	ONS-G	431645008	8/25/2017	Ce-144	-1.23E+01	2.59E+01	7.97E+01	U
TF	ONS-G	431645008	8/25/2017	Co-57	-4.00E-01	3.39E+00	1.07E+01	U
TF	ONS-G	431645008	8/25/2017	Co-58	-3.33E-01	4.72E+00	1.49E+01	U
TF	ONS-G	431645008	8/25/2017	Co-60	3.67E+00	5.42E+00	1.91E+01	U
TF	ONS-G	431645008	8/25/2017	Cr-51	1.84E+01	3.88E+01	1.34E+02	U
TF	ONS-G	431645008	8/25/2017	Cs-134	-8.54E-01	5.28E+00	1.66E+01	U
TF	ONS-G	431645008	8/25/2017	Cs-137	1.62E+00	4.92E+00	1.64E+01	U
TF	ONS-G	431645008	8/25/2017	Fe-59	1.17E+01	9.22E+00	3.35E+01	U
TF	ONS-G	431645008	8/25/2017	I-131	1.12E+01	8.04E+00	2.75E+01	U
TF	ONS-G	431645008	8/25/2017	K-40	1.00E+03	1.58E+02	1.94E+02	
TF	ONS-G	431645008	8/25/2017	La-140	-8.74E+00	6.98E+00	1.66E+01	U
TF	ONS-G	431645008	8/25/2017	Mn-54	-1.04E+00	5.48E+00	1.51E+01	U
TF	ONS-G	431645008	8/25/2017	Nb-95	1.87E+00	5.19E+00	1.71E+01	U
TF	ONS-G	431645008	8/25/2017	Ru-103	-8.26E+00	4.76E+00	1.20E+01	U
TF	ONS-G	431645008	8/25/2017	Ru-106	4.26E+01	3.99E+01	1.33E+02	U
TF	ONS-G	431645008	8/25/2017	Sb-124	-7.02E+00	9.95E+00	2.76E+01	U
TF	ONS-G	431645008	8/25/2017	Sb-125	-7.96E-01	1.28E+01	4.23E+01	U
TF	ONS-G	431645008	8/25/2017	Se-75	-1.00E+01	5.99E+00	1.70E+01	U
TF	ONS-G	431645008	8/25/2017	Th-228	-1.61E+01	9.84E+00	2.68E+01	U
TF	ONS-G	431645008	8/25/2017	Zn-65	-7.47E+00	1.02E+01	2.80E+01	U
TF	ONS-G	431645008	8/25/2017	Zr-95	3.87E+01	1.74E+01	3.04E+01	UI
TF	ONS-G	431645009	8/25/2017	Ac-228	-2.01E+01	1.56E+01	4.59E+01	U
TF	ONS-G	431645009	8/25/2017	Ag-108m	2.27E+00	2.76E+00	8.13E+00	U
TF	ONS-G	431645009	8/25/2017	Ag-110m	3.52E+00	4.05E+00	1.42E+01	U
TF	ONS-G	431645009	8/25/2017	Ba-140	-1.65E+01	1.23E+01	3.31E+01	U
TF	ONS-G	431645009	8/25/2017	Be-7	3.45E+01	2.68E+01	9.04E+01	U
TF	ONS-G	431645009	8/25/2017	Ce-141	-2.44E+00	4.00E+00	1.18E+01	U
TF	ONS-G	431645009	8/25/2017	Ce-144	-1.45E+01	1.31E+01	3.90E+01	U
TF	ONS-G	431645009	8/25/2017	Co-57	2.86E+00	1.90E+00	5.49E+00	U
TF	ONS-G	431645009	8/25/2017	Co-58	6.55E+00	3.12E+00	1.09E+01	U
TF	ONS-G	431645009	8/25/2017	Co-60	1.96E+00	3.00E+00	1.04E+01	U
TF	ONS-G	431645009	8/25/2017	Cr-51	-6.36E+00	2.35E+01	7.82E+01	U
TF	ONS-G	431645009	8/25/2017	Cs-134	2.43E+00	3.00E+00	1.06E+01	U
TF	ONS-G	431645009	8/25/2017	Cs-137	-6.31E+00	3.14E+00	6.60E+00	U
TF	ONS-G	431645009	8/25/2017	Fe-59	2.75E+01	1.20E+01	2.80E+01	U
TF	ONS-G	431645009	8/25/2017	I-131	1.76E-01	4.16E+00	1.40E+01	U
TF	ONS-G	431645009	8/25/2017	K-40	3.16E+02	1.03E+02	8.67E+01	
TF	ONS-G	431645009	8/25/2017	La-140	4.96E+00	4.59E+00	1.69E+01	U
TF	ONS-G	431645009	8/25/2017	Mn-54	-9.72E-01	2.88E+00	9.37E+00	U
TF	ONS-G	431645009	8/25/2017	Nb-95	-3.28E+00	2.99E+00	8.90E+00	U
TF	ONS-G	431645009	8/25/2017	Ru-103	-1.17E+00	2.92E+00	9.24E+00	U
TF	ONS-G	431645009	8/25/2017	Ru-106	-7.47E+00	3.01E+01	9.45E+01	U
TF	ONS-G	431645009	8/25/2017	Sb-124	4.57E+00	4.21E+00	1.68E+01	U
TF	ONS-G	431645009	8/25/2017	Sb-125	4.49E+00	6.63E+00	2.27E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	ONS-G	431645009	8/25/2017	Se-75	-4.60E-01	2.87E+00	9.75E+00	U
TF	ONS-G	431645009	8/25/2017	Th-228	-4.20E-01	5.43E+00	1.65E+01	U
TF	ONS-G	431645009	8/25/2017	Zn-65	-5.63E+00	6.90E+00	2.03E+01	U
TF	ONS-G	431645009	8/25/2017	Zr-95	-3.17E+00	5.14E+00	1.64E+01	U
TF	OFS-G	431645010	8/25/2017	Ac-228	-3.21E+01	2.00E+01	5.08E+01	U
TF	OFS-G	431645010	8/25/2017	Ag-108m	4.91E+00	3.64E+00	1.24E+01	U
TF	OFS-G	431645010	8/25/2017	Ag-110m	-1.81E+00	5.82E+00	1.66E+01	U
TF	OFS-G	431645010	8/25/2017	Ba-140	-8.64E+00	1.67E+01	5.18E+01	U
TF	OFS-G	431645010	8/25/2017	Be-7	1.78E+02	6.65E+01	1.03E+02	
TF	OFS-G	431645010	8/25/2017	Ce-141	-6.57E+00	6.11E+00	1.59E+01	U
TF	OFS-G	431645010	8/25/2017	Ce-144	-2.64E+01	2.13E+01	6.09E+01	U
TF	OFS-G	431645010	8/25/2017	Co-57	1.12E+00	2.72E+00	8.86E+00	U
TF	OFS-G	431645010	8/25/2017	Co-58	-2.84E+00	4.10E+00	1.30E+01	U
TF	OFS-G	431645010	8/25/2017	Co-60	-5.46E+00	4.34E+00	1.14E+01	U
TF	OFS-G	431645010	8/25/2017	Cr-51	2.12E+01	3.38E+01	1.16E+02	U
TF	OFS-G	431645010	8/25/2017	Cs-134	-1.06E+01	5.39E+00	1.04E+01	U
TF	OFS-G	431645010	8/25/2017	Cs-137	2.58E+00	4.42E+00	1.47E+01	U
TF	OFS-G	431645010	8/25/2017	Fe-59	-7.88E+00	8.27E+00	2.42E+01	U
TF	OFS-G	431645010	8/25/2017	I-131	-8.07E+00	5.52E+00	1.56E+01	U
TF	OFS-G	431645010	8/25/2017	K-40	2.93E+03	2.13E+02	9.76E+01	
TF	OFS-G	431645010	8/25/2017	La-140	3.13E+00	6.07E+00	2.07E+01	U
TF	OFS-G	431645010	8/25/2017	Mn-54	-1.44E+00	4.47E+00	1.48E+01	U
TF	OFS-G	431645010	8/25/2017	Nb-95	9.11E+00	4.39E+00	1.40E+01	U
TF	OFS-G	431645010	8/25/2017	Ru-103	8.80E-02	3.38E+00	1.11E+01	U
TF	OFS-G	431645010	8/25/2017	Ru-106	8.67E+00	3.58E+01	1.17E+02	U
TF	OFS-G	431645010	8/25/2017	Sb-124	1.56E+01	9.67E+00	3.62E+01	U
TF	OFS-G	431645010	8/25/2017	Sb-125	-3.62E+00	8.93E+00	2.86E+01	U
TF	OFS-G	431645010	8/25/2017	Se-75	-2.45E-02	4.40E+00	1.50E+01	U
TF	OFS-G	431645010	8/25/2017	Th-228	-7.64E+00	7.65E+00	2.35E+01	U
TF	OFS-G	431645010	8/25/2017	Zn-65	8.92E+00	9.17E+00	3.20E+01	U
TF	OFS-G	431645010	8/25/2017	Zr-95	-7.52E+00	8.47E+00	2.40E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS3-V	424682001	6/2/2017	Ac-228	4.52E+01	2.39E+01	4.02E+01	UI
TV	ONS3-V	424682001	6/2/2017	Ag-108m	2.68E+00	2.18E+00	7.21E+00	U
TV	ONS3-V	424682001	6/2/2017	Ag-110m	-3.22E+00	3.76E+00	1.12E+01	U
TV	ONS3-V	424682001	6/2/2017	Ba-140	-8.29E+00	1.01E+01	3.12E+01	U
TV	ONS3-V	424682001	6/2/2017	Be-7	2.94E+02	4.87E+01	6.10E+01	
TV	ONS3-V	424682001	6/2/2017	Ce-141	2.84E-01	3.56E+00	1.03E+01	U
TV	ONS3-V	424682001	6/2/2017	Ce-144	-1.55E+01	1.39E+01	4.07E+01	U
TV	ONS3-V	424682001	6/2/2017	Co-57	2.31E-01	1.70E+00	5.38E+00	U
TV	ONS3-V	424682001	6/2/2017	Co-58	3.29E+00	2.52E+00	8.21E+00	U
TV	ONS3-V	424682001	6/2/2017	Co-60	1.24E+00	3.94E+00	9.95E+00	U
TV	ONS3-V	424682001	6/2/2017	Cr-51	2.12E+01	1.98E+01	6.64E+01	U
TV	ONS3-V	424682001	6/2/2017	Cs-134	-3.03E-01	2.83E+00	9.01E+00	U
TV	ONS3-V	424682001	6/2/2017	Cs-137	5.11E+00	2.88E+00	8.16E+00	U
TV	ONS3-V	424682001	6/2/2017	Fe-59	-3.08E+00	5.19E+00	1.68E+01	U
TV	ONS3-V	424682001	6/2/2017	I-131	-1.80E+00	3.35E+00	9.72E+00	U
TV	ONS3-V	424682001	6/2/2017	K-40	4.23E+03	1.81E+02	8.11E+01	
TV	ONS3-V	424682001	6/2/2017	La-140	1.75E+00	3.01E+00	1.03E+01	U
TV	ONS3-V	424682001	6/2/2017	Mn-54	-3.45E+00	2.73E+00	7.79E+00	U
TV	ONS3-V	424682001	6/2/2017	Nb-95	8.97E-01	2.52E+00	8.20E+00	U
TV	ONS3-V	424682001	6/2/2017	Ru-103	-3.58E+00	2.50E+00	7.32E+00	U
TV	ONS3-V	424682001	6/2/2017	Ru-106	-1.22E+01	3.55E+01	6.86E+01	U
TV	ONS3-V	424682001	6/2/2017	Sb-124	2.83E+00	4.38E+00	1.51E+01	U
TV	ONS3-V	424682001	6/2/2017	Sb-125	1.11E+00	6.34E+00	2.11E+01	U
TV	ONS3-V	424682001	6/2/2017	Se-75	-1.37E+00	2.60E+00	8.61E+00	U
TV	ONS3-V	424682001	6/2/2017	Th-228	1.75E-01	8.40E+00	1.50E+01	U
TV	ONS3-V	424682001	6/2/2017	Zn-65	4.05E+00	6.05E+00	2.07E+01	U
TV	ONS3-V	424682001	6/2/2017	Zr-95	4.00E+00	4.45E+00	1.46E+01	U
TV	ONS3-V	424682002	6/2/2017	Ac-228	7.28E+01	3.62E+01	8.97E+01	U
TV	ONS3-V	424682002	6/2/2017	Ag-108m	-1.63E-01	4.05E+00	1.36E+01	U
TV	ONS3-V	424682002	6/2/2017	Ag-110m	-5.48E+00	7.68E+00	2.11E+01	U
TV	ONS3-V	424682002	6/2/2017	Ba-140	5.54E+00	2.33E+01	7.77E+01	U
TV	ONS3-V	424682002	6/2/2017	Be-7	1.14E+03	1.11E+02	1.25E+02	
TV	ONS3-V	424682002	6/2/2017	Ce-141	2.35E+00	6.97E+00	2.30E+01	U
TV	ONS3-V	424682002	6/2/2017	Ce-144	9.81E+00	2.67E+01	8.85E+01	U
TV	ONS3-V	424682002	6/2/2017	Co-57	-4.04E+00	3.59E+00	9.92E+00	U
TV	ONS3-V	424682002	6/2/2017	Co-58	-3.58E+00	5.35E+00	1.59E+01	U
TV	ONS3-V	424682002	6/2/2017	Co-60	1.26E+01	6.80E+00	2.36E+01	U
TV	ONS3-V	424682002	6/2/2017	Cr-51	3.58E+01	3.72E+01	1.30E+02	U
TV	ONS3-V	424682002	6/2/2017	Cs-134	-2.24E+00	5.61E+00	1.72E+01	U
TV	ONS3-V	424682002	6/2/2017	Cs-137	4.49E+00	5.42E+00	1.83E+01	U
TV	ONS3-V	424682002	6/2/2017	Fe-59	-1.42E+01	1.06E+01	2.93E+01	U
TV	ONS3-V	424682002	6/2/2017	I-131	1.46E+01	7.37E+00	2.44E+01	U
TV	ONS3-V	424682002	6/2/2017	K-40	2.30E+03	2.28E+02	2.03E+02	
TV	ONS3-V	424682002	6/2/2017	La-140	-1.23E+00	8.73E+00	2.77E+01	U
TV	ONS3-V	424682002	6/2/2017	Mn-54	1.35E+00	4.65E+00	1.51E+01	U
TV	ONS3-V	424682002	6/2/2017	Nb-95	4.22E+00	5.56E+00	1.85E+01	U
TV	ONS3-V	424682002	6/2/2017	Ru-103	4.71E+00	5.13E+00	1.75E+01	U
TV	ONS3-V	424682002	6/2/2017	Ru-106	-7.76E+01	4.88E+01	1.30E+02	U
TV	ONS3-V	424682002	6/2/2017	Sb-124	-2.00E+01	1.77E+01	3.82E+01	U
TV	ONS3-V	424682002	6/2/2017	Sb-125	1.73E+01	1.30E+01	4.44E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS3-V	424682002	6/2/2017	Se-75	-4.62E-01	6.78E+00	1.95E+01	U
TV	ONS3-V	424682002	6/2/2017	Th-228	2.00E+01	1.50E+01	3.18E+01	U
TV	ONS3-V	424682002	6/2/2017	Zn-65	-4.66E+00	1.16E+01	3.21E+01	U
TV	ONS3-V	424682002	6/2/2017	Zr-95	1.30E+01	8.85E+00	3.01E+01	U
TV	ONS3-V	424682003	6/2/2017	Ac-228	1.23E+01	6.66E+01	1.75E+02	U
TV	ONS3-V	424682003	6/2/2017	Ag-108m	-1.39E+00	7.41E+00	2.41E+01	U
TV	ONS3-V	424682003	6/2/2017	Ag-110m	1.43E+01	1.37E+01	4.77E+01	U
TV	ONS3-V	424682003	6/2/2017	Ba-140	3.47E+01	4.04E+01	1.35E+02	U
TV	ONS3-V	424682003	6/2/2017	Be-7	9.24E+02	1.46E+02	2.42E+02	
TV	ONS3-V	424682003	6/2/2017	Ce-141	-1.24E+01	1.18E+01	3.46E+01	U
TV	ONS3-V	424682003	6/2/2017	Ce-144	-5.61E+01	4.04E+01	1.14E+02	U
TV	ONS3-V	424682003	6/2/2017	Co-57	2.90E+00	5.09E+00	1.65E+01	U
TV	ONS3-V	424682003	6/2/2017	Co-58	-6.81E+00	9.27E+00	2.92E+01	U
TV	ONS3-V	424682003	6/2/2017	Co-60	1.47E+01	1.22E+01	4.22E+01	U
TV	ONS3-V	424682003	6/2/2017	Cr-51	-1.76E+01	7.12E+01	2.36E+02	U
TV	ONS3-V	424682003	6/2/2017	Cs-134	9.50E+00	1.16E+01	4.02E+01	U
TV	ONS3-V	424682003	6/2/2017	Cs-137	4.82E+01	1.85E+01	3.54E+01	M
TV	ONS3-V	424682003	6/2/2017	Fe-59	1.07E-01	2.03E+01	6.66E+01	U
TV	ONS3-V	424682003	6/2/2017	I-131	3.43E+00	1.18E+01	3.98E+01	U
TV	ONS3-V	424682003	6/2/2017	K-40	4.15E+03	3.73E+02	3.15E+02	
TV	ONS3-V	424682003	6/2/2017	La-140	-3.68E+00	1.49E+01	4.19E+01	U
TV	ONS3-V	424682003	6/2/2017	Mn-54	-2.83E+01	1.51E+01	3.33E+01	U
TV	ONS3-V	424682003	6/2/2017	Nb-95	-2.30E+01	1.22E+01	2.77E+01	U
TV	ONS3-V	424682003	6/2/2017	Ru-103	9.26E+00	9.37E+00	3.14E+01	U
TV	ONS3-V	424682003	6/2/2017	Ru-106	-1.59E+02	1.01E+02	2.65E+02	U
TV	ONS3-V	424682003	6/2/2017	Sb-124	-9.13E-01	1.77E+01	5.87E+01	U
TV	ONS3-V	424682003	6/2/2017	Sb-125	3.53E+01	2.37E+01	7.93E+01	U
TV	ONS3-V	424682003	6/2/2017	Se-75	8.59E+00	8.92E+00	3.08E+01	U
TV	ONS3-V	424682003	6/2/2017	Th-228	2.24E+01	2.79E+01	3.89E+01	U
TV	ONS3-V	424682003	6/2/2017	Zn-65	7.02E+00	2.43E+01	8.13E+01	U
TV	ONS3-V	424682003	6/2/2017	Zr-95	8.07E+00	1.71E+01	5.91E+01	U
TV	ONS4-V	424682004	6/2/2017	Ac-228	-3.25E+01	3.21E+01	8.21E+01	U
TV	ONS4-V	424682004	6/2/2017	Ag-108m	1.42E+00	3.90E+00	1.31E+01	U
TV	ONS4-V	424682004	6/2/2017	Ag-110m	-4.80E+00	5.92E+00	1.72E+01	U
TV	ONS4-V	424682004	6/2/2017	Ba-140	6.58E+01	3.99E+01	7.84E+01	U
TV	ONS4-V	424682004	6/2/2017	Be-7	1.05E+03	1.18E+02	1.11E+02	
TV	ONS4-V	424682004	6/2/2017	Ce-141	-4.53E+00	9.92E+00	2.47E+01	U
TV	ONS4-V	424682004	6/2/2017	Ce-144	-1.63E+01	2.78E+01	9.29E+01	U
TV	ONS4-V	424682004	6/2/2017	Co-57	-2.25E+00	3.40E+00	1.13E+01	U
TV	ONS4-V	424682004	6/2/2017	Co-58	3.12E+00	4.73E+00	1.58E+01	U
TV	ONS4-V	424682004	6/2/2017	Co-60	-9.43E+00	1.11E+01	1.89E+01	U
TV	ONS4-V	424682004	6/2/2017	Cr-51	3.77E+01	4.48E+01	1.52E+02	U
TV	ONS4-V	424682004	6/2/2017	Cs-134	-3.11E+00	6.82E+00	1.68E+01	U
TV	ONS4-V	424682004	6/2/2017	Cs-137	-3.88E-01	5.28E+00	1.71E+01	U
TV	ONS4-V	424682004	6/2/2017	Fe-59	-3.64E+00	1.05E+01	3.23E+01	U
TV	ONS4-V	424682004	6/2/2017	I-131	-1.43E+01	7.75E+00	2.12E+01	U
TV	ONS4-V	424682004	6/2/2017	K-40	3.77E+03	2.36E+02	1.61E+02	
TV	ONS4-V	424682004	6/2/2017	La-140	-9.88E-01	7.48E+00	2.47E+01	U
TV	ONS4-V	424682004	6/2/2017	Mn-54	-1.04E+01	5.57E+00	1.36E+01	U
TV	ONS4-V	424682004	6/2/2017	Nb-95	-2.68E+00	5.17E+00	1.60E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	424682004	6/2/2017	Ru-103	2.28E+00	4.84E+00	1.63E+01	U
TV	ONS4-V	424682004	6/2/2017	Ru-106	1.08E+02	8.42E+01	1.64E+02	U
TV	ONS4-V	424682004	6/2/2017	Sb-124	-5.04E+00	1.04E+01	3.22E+01	U
TV	ONS4-V	424682004	6/2/2017	Sb-125	-2.02E+01	1.35E+01	3.84E+01	U
TV	ONS4-V	424682004	6/2/2017	Se-75	-3.91E+00	6.20E+00	1.80E+01	U
TV	ONS4-V	424682004	6/2/2017	Th-228	1.09E+01	1.22E+01	3.24E+01	U
TV	ONS4-V	424682004	6/2/2017	Zn-65	1.32E-01	1.26E+01	3.55E+01	U
TV	ONS4-V	424682004	6/2/2017	Zr-95	1.35E+01	9.82E+00	3.30E+01	U
TV	ONS4-V	424682005	6/2/2017	Ac-228	2.89E+01	2.61E+01	9.09E+01	U
TV	ONS4-V	424682005	6/2/2017	Ag-108m	-2.40E+00	5.20E+00	1.64E+01	U
TV	ONS4-V	424682005	6/2/2017	Ag-110m	1.26E+01	8.21E+00	2.88E+01	U
TV	ONS4-V	424682005	6/2/2017	Ba-140	-3.99E+00	2.58E+01	8.22E+01	U
TV	ONS4-V	424682005	6/2/2017	Be-7	9.60E+02	1.09E+02	1.58E+02	
TV	ONS4-V	424682005	6/2/2017	Ce-141	-3.62E+00	8.23E+00	2.72E+01	U
TV	ONS4-V	424682005	6/2/2017	Ce-144	-1.45E+01	3.41E+01	1.13E+02	U
TV	ONS4-V	424682005	6/2/2017	Co-57	-3.24E+00	4.34E+00	1.41E+01	U
TV	ONS4-V	424682005	6/2/2017	Co-58	-1.54E+00	5.57E+00	1.85E+01	U
TV	ONS4-V	424682005	6/2/2017	Co-60	5.31E-01	6.44E+00	2.15E+01	U
TV	ONS4-V	424682005	6/2/2017	Cr-51	8.19E+00	5.16E+01	1.71E+02	U
TV	ONS4-V	424682005	6/2/2017	Cs-134	7.56E+00	5.87E+00	2.08E+01	U
TV	ONS4-V	424682005	6/2/2017	Cs-137	1.11E+01	7.09E+00	2.34E+01	U
TV	ONS4-V	424682005	6/2/2017	Fe-59	2.44E+00	1.22E+01	4.14E+01	U
TV	ONS4-V	424682005	6/2/2017	I-131	-4.52E+00	7.60E+00	2.38E+01	U
TV	ONS4-V	424682005	6/2/2017	K-40	3.20E+03	2.53E+02	2.30E+02	
TV	ONS4-V	424682005	6/2/2017	La-140	1.17E+00	9.89E+00	3.28E+01	U
TV	ONS4-V	424682005	6/2/2017	Mn-54	6.26E+00	5.92E+00	2.08E+01	U
TV	ONS4-V	424682005	6/2/2017	Nb-95	-9.83E+00	8.12E+00	2.06E+01	U
TV	ONS4-V	424682005	6/2/2017	Ru-103	1.53E+00	5.88E+00	1.93E+01	U
TV	ONS4-V	424682005	6/2/2017	Ru-106	-6.76E+00	5.78E+01	1.84E+02	U
TV	ONS4-V	424682005	6/2/2017	Sb-124	-2.76E+01	1.61E+01	3.67E+01	U
TV	ONS4-V	424682005	6/2/2017	Sb-125	-8.36E+00	1.54E+01	4.82E+01	U
TV	ONS4-V	424682005	6/2/2017	Se-75	4.01E+00	6.90E+00	2.32E+01	U
TV	ONS4-V	424682005	6/2/2017	Th-228	-2.60E+01	1.47E+01	3.94E+01	U
TV	ONS4-V	424682005	6/2/2017	Zn-65	2.76E+01	1.51E+01	5.20E+01	U
TV	ONS4-V	424682005	6/2/2017	Zr-95	-1.58E+01	1.15E+01	3.04E+01	U
TV	ONS4-V	424682006	6/2/2017	Ac-228	-1.53E+00	2.05E+01	5.26E+01	U
TV	ONS4-V	424682006	6/2/2017	Ag-108m	1.70E+00	3.04E+00	1.03E+01	U
TV	ONS4-V	424682006	6/2/2017	Ag-110m	-2.93E-01	5.75E+00	1.82E+01	U
TV	ONS4-V	424682006	6/2/2017	Ba-140	6.84E+00	1.68E+01	5.59E+01	U
TV	ONS4-V	424682006	6/2/2017	Be-7	4.28E+02	8.10E+01	8.62E+01	
TV	ONS4-V	424682006	6/2/2017	Ce-141	6.75E-01	5.79E+00	1.82E+01	U
TV	ONS4-V	424682006	6/2/2017	Ce-144	6.97E+00	1.97E+01	6.24E+01	U
TV	ONS4-V	424682006	6/2/2017	Co-57	4.37E+00	2.85E+00	8.91E+00	U
TV	ONS4-V	424682006	6/2/2017	Co-58	-1.37E+00	3.96E+00	1.16E+01	U
TV	ONS4-V	424682006	6/2/2017	Co-60	1.57E+00	6.13E+00	1.74E+01	U
TV	ONS4-V	424682006	6/2/2017	Cr-51	2.57E+01	3.11E+01	1.06E+02	U
TV	ONS4-V	424682006	6/2/2017	Cs-134	1.13E+00	4.45E+00	1.30E+01	U
TV	ONS4-V	424682006	6/2/2017	Cs-137	7.75E+00	4.86E+00	1.60E+01	U
TV	ONS4-V	424682006	6/2/2017	Fe-59	-5.54E+00	8.30E+00	2.64E+01	U
TV	ONS4-V	424682006	6/2/2017	I-131	-6.14E-01	4.81E+00	1.59E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	424682006	6/2/2017	K-40	3.99E+03	2.20E+02	1.27E+02	
TV	ONS4-V	424682006	6/2/2017	La-140	8.63E-01	4.18E+00	1.41E+01	U
TV	ONS4-V	424682006	6/2/2017	Mn-54	-3.68E+00	3.97E+00	1.15E+01	U
TV	ONS4-V	424682006	6/2/2017	Nb-95	2.40E+00	4.36E+00	1.44E+01	U
TV	ONS4-V	424682006	6/2/2017	Ru-103	-3.64E-01	3.61E+00	1.18E+01	U
TV	ONS4-V	424682006	6/2/2017	Ru-106	8.31E+01	4.54E+01	1.16E+02	U
TV	ONS4-V	424682006	6/2/2017	Sb-124	-1.13E+01	9.55E+00	2.57E+01	U
TV	ONS4-V	424682006	6/2/2017	Sb-125	2.42E+00	9.04E+00	3.03E+01	U
TV	ONS4-V	424682006	6/2/2017	Se-75	1.10E+00	4.85E+00	1.49E+01	U
TV	ONS4-V	424682006	6/2/2017	Th-228	1.58E+01	1.13E+01	2.40E+01	U
TV	ONS4-V	424682006	6/2/2017	Zn-65	-6.02E-01	9.69E+00	3.25E+01	U
TV	ONS4-V	424682006	6/2/2017	Zr-95	3.21E+00	6.62E+00	2.19E+01	U
TV	OFS2-V	424682007	6/2/2017	Ac-228	-1.71E+01	2.61E+01	8.08E+01	U
TV	OFS2-V	424682007	6/2/2017	Ag-108m	1.14E+00	3.80E+00	1.15E+01	U
TV	OFS2-V	424682007	6/2/2017	Ag-110m	5.50E+00	5.34E+00	1.90E+01	U
TV	OFS2-V	424682007	6/2/2017	Ba-140	1.59E+01	1.96E+01	6.61E+01	U
TV	OFS2-V	424682007	6/2/2017	Be-7	7.41E+02	7.60E+01	1.27E+02	
TV	OFS2-V	424682007	6/2/2017	Ce-141	-6.21E+00	6.26E+00	1.85E+01	U
TV	OFS2-V	424682007	6/2/2017	Ce-144	-1.72E+01	2.22E+01	6.71E+01	U
TV	OFS2-V	424682007	6/2/2017	Co-57	2.17E+00	2.99E+00	9.06E+00	U
TV	OFS2-V	424682007	6/2/2017	Co-58	2.16E-02	4.13E+00	1.40E+01	U
TV	OFS2-V	424682007	6/2/2017	Co-60	-1.07E+00	5.90E+00	1.90E+01	U
TV	OFS2-V	424682007	6/2/2017	Cr-51	-1.12E+01	3.57E+01	1.18E+02	U
TV	OFS2-V	424682007	6/2/2017	Cs-134	-4.40E+00	4.37E+00	1.33E+01	U
TV	OFS2-V	424682007	6/2/2017	Cs-137	2.51E+00	4.86E+00	1.60E+01	U
TV	OFS2-V	424682007	6/2/2017	Fe-59	2.58E+00	8.77E+00	2.98E+01	U
TV	OFS2-V	424682007	6/2/2017	I-131	-3.65E+00	6.01E+00	1.93E+01	U
TV	OFS2-V	424682007	6/2/2017	K-40	3.62E+03	2.49E+02	1.03E+02	
TV	OFS2-V	424682007	6/2/2017	La-140	-9.11E+00	6.17E+00	1.38E+01	U
TV	OFS2-V	424682007	6/2/2017	Mn-54	-6.42E+00	4.90E+00	1.44E+01	U
TV	OFS2-V	424682007	6/2/2017	Nb-95	2.61E-01	4.76E+00	1.52E+01	U
TV	OFS2-V	424682007	6/2/2017	Ru-103	-2.04E+00	4.22E+00	1.33E+01	U
TV	OFS2-V	424682007	6/2/2017	Ru-106	6.42E+01	4.72E+01	1.57E+02	U
TV	OFS2-V	424682007	6/2/2017	Sb-124	-5.18E+00	1.08E+01	3.19E+01	U
TV	OFS2-V	424682007	6/2/2017	Sb-125	5.69E+00	1.28E+01	3.90E+01	U
TV	OFS2-V	424682007	6/2/2017	Se-75	2.67E+00	4.82E+00	1.66E+01	U
TV	OFS2-V	424682007	6/2/2017	Th-228	-1.13E+01	1.07E+01	2.83E+01	U
TV	OFS2-V	424682007	6/2/2017	Zn-65	-6.23E+00	1.21E+01	3.84E+01	U
TV	OFS2-V	424682007	6/2/2017	Zr-95	8.43E+00	7.57E+00	2.56E+01	U
TV	ONS4-V	427451001	7/7/2017	Ac-228	5.65E+01	4.15E+01	1.08E+02	U
TV	ONS4-V	427451001	7/7/2017	Ag-108m	-2.11E+00	5.78E+00	1.87E+01	U
TV	ONS4-V	427451001	7/7/2017	Ag-110m	-4.20E+00	9.48E+00	2.83E+01	U
TV	ONS4-V	427451001	7/7/2017	Ba-140	-3.60E+00	2.73E+01	8.89E+01	U
TV	ONS4-V	427451001	7/7/2017	Be-7	1.29E+03	1.64E+02	2.08E+02	
TV	ONS4-V	427451001	7/7/2017	Ce-141	-1.15E+01	1.03E+01	2.98E+01	U
TV	ONS4-V	427451001	7/7/2017	Ce-144	7.44E+00	4.04E+01	1.32E+02	U
TV	ONS4-V	427451001	7/7/2017	Co-57	8.68E-01	5.53E+00	1.81E+01	U
TV	ONS4-V	427451001	7/7/2017	Co-58	8.81E+00	7.63E+00	2.58E+01	U
TV	ONS4-V	427451001	7/7/2017	Co-60	1.30E+01	9.34E+00	3.40E+01	U
TV	ONS4-V	427451001	7/7/2017	Cr-51	-5.31E+01	5.52E+01	1.72E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	427451001	7/7/2017	Cs-134	-8.75E-01	8.22E+00	2.61E+01	U
TV	ONS4-V	427451001	7/7/2017	Cs-137	7.53E+00	8.90E+00	3.05E+01	U
TV	ONS4-V	427451001	7/7/2017	Fe-59	-3.14E+00	1.30E+01	4.26E+01	U
TV	ONS4-V	427451001	7/7/2017	I-131	4.94E+00	9.31E+00	3.23E+01	U
TV	ONS4-V	427451001	7/7/2017	K-40	3.84E+03	3.24E+02	2.22E+02	
TV	ONS4-V	427451001	7/7/2017	La-140	1.60E+01	8.05E+00	3.33E+01	U
TV	ONS4-V	427451001	7/7/2017	Mn-54	1.93E+01	7.34E+00	1.62E+01	UI
TV	ONS4-V	427451001	7/7/2017	Nb-95	8.36E+00	6.58E+00	2.34E+01	U
TV	ONS4-V	427451001	7/7/2017	Ru-103	-3.36E+00	6.84E+00	2.16E+01	U
TV	ONS4-V	427451001	7/7/2017	Ru-106	4.67E+01	6.64E+01	2.28E+02	U
TV	ONS4-V	427451001	7/7/2017	Sb-124	4.88E+00	1.54E+01	5.30E+01	U
TV	ONS4-V	427451001	7/7/2017	Sb-125	-1.66E+01	1.73E+01	5.19E+01	U
TV	ONS4-V	427451001	7/7/2017	Se-75	-2.56E+00	8.64E+00	2.62E+01	U
TV	ONS4-V	427451001	7/7/2017	Th-228	4.59E+01	2.35E+01	5.11E+01	U
TV	ONS4-V	427451001	7/7/2017	Zn-65	-2.63E+01	1.83E+01	4.90E+01	U
TV	ONS4-V	427451001	7/7/2017	Zr-95	5.18E+00	1.40E+01	4.68E+01	U
TV	ONS4-V	427451002	7/7/2017	Ac-228	1.97E+00	3.85E+01	1.28E+02	U
TV	ONS4-V	427451002	7/7/2017	Ag-108m	2.46E+00	6.60E+00	2.16E+01	U
TV	ONS4-V	427451002	7/7/2017	Ag-110m	2.51E+01	9.12E+00	2.90E+01	U
TV	ONS4-V	427451002	7/7/2017	Ba-140	6.29E+01	5.63E+01	9.74E+01	U
TV	ONS4-V	427451002	7/7/2017	Be-7	1.55E+03	1.77E+02	1.97E+02	
TV	ONS4-V	427451002	7/7/2017	Ce-141	-2.53E+00	8.68E+00	2.78E+01	U
TV	ONS4-V	427451002	7/7/2017	Ce-144	2.66E+00	3.19E+01	1.04E+02	U
TV	ONS4-V	427451002	7/7/2017	Co-57	9.08E-01	4.33E+00	1.42E+01	U
TV	ONS4-V	427451002	7/7/2017	Co-58	-9.89E-01	6.77E+00	2.25E+01	U
TV	ONS4-V	427451002	7/7/2017	Co-60	-1.84E+01	9.39E+00	1.95E+01	U
TV	ONS4-V	427451002	7/7/2017	Cr-51	2.50E+01	5.58E+01	1.84E+02	U
TV	ONS4-V	427451002	7/7/2017	Cs-134	4.42E+00	9.37E+00	3.24E+01	U
TV	ONS4-V	427451002	7/7/2017	Cs-137	-8.61E+00	7.86E+00	2.34E+01	U
TV	ONS4-V	427451002	7/7/2017	Fe-59	6.21E+00	1.38E+01	4.81E+01	U
TV	ONS4-V	427451002	7/7/2017	I-131	-4.35E+00	9.49E+00	2.95E+01	U
TV	ONS4-V	427451002	7/7/2017	K-40	2.65E+03	2.75E+02	1.88E+02	
TV	ONS4-V	427451002	7/7/2017	La-140	1.27E+01	8.12E+00	3.24E+01	U
TV	ONS4-V	427451002	7/7/2017	Mn-54	1.34E+01	1.14E+01	2.52E+01	U
TV	ONS4-V	427451002	7/7/2017	Nb-95	3.97E+00	7.87E+00	2.73E+01	U
TV	ONS4-V	427451002	7/7/2017	Ru-103	1.80E+01	8.71E+00	2.81E+01	U
TV	ONS4-V	427451002	7/7/2017	Ru-106	7.33E+01	6.83E+01	2.40E+02	U
TV	ONS4-V	427451002	7/7/2017	Sb-124	6.38E+00	1.63E+01	5.73E+01	U
TV	ONS4-V	427451002	7/7/2017	Sb-125	-1.74E+00	1.89E+01	6.03E+01	U
TV	ONS4-V	427451002	7/7/2017	Se-75	2.40E+01	2.09E+01	2.81E+01	U
TV	ONS4-V	427451002	7/7/2017	Th-228	5.17E+01	2.86E+01	4.93E+01	UI
TV	ONS4-V	427451002	7/7/2017	Zn-65	3.01E+00	1.58E+01	5.38E+01	U
TV	ONS4-V	427451002	7/7/2017	Zr-95	1.92E+01	2.31E+01	4.58E+01	U
TV	ONS4-V	427451003	7/7/2017	Ac-228	-6.66E+01	3.37E+01	9.45E+01	U
TV	ONS4-V	427451003	7/7/2017	Ag-108m	-3.30E+00	5.20E+00	1.64E+01	U
TV	ONS4-V	427451003	7/7/2017	Ag-110m	-2.18E+00	7.64E+00	2.34E+01	U
TV	ONS4-V	427451003	7/7/2017	Ba-140	-2.00E+01	3.01E+01	8.19E+01	U
TV	ONS4-V	427451003	7/7/2017	Be-7	2.44E+03	1.77E+02	1.44E+02	
TV	ONS4-V	427451003	7/7/2017	Ce-141	-5.02E+00	7.84E+00	2.37E+01	U
TV	ONS4-V	427451003	7/7/2017	Ce-144	-5.08E+01	3.62E+01	9.83E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	427451003	7/7/2017	Co-57	5.03E+00	3.91E+00	1.27E+01	U
TV	ONS4-V	427451003	7/7/2017	Co-58	-3.04E+00	6.73E+00	2.04E+01	U
TV	ONS4-V	427451003	7/7/2017	Co-60	-1.02E+01	7.07E+00	1.80E+01	U
TV	ONS4-V	427451003	7/7/2017	Cr-51	9.56E+01	5.54E+01	1.86E+02	U
TV	ONS4-V	427451003	7/7/2017	Cs-134	1.35E+01	6.91E+00	2.36E+01	U
TV	ONS4-V	427451003	7/7/2017	Cs-137	-2.76E+00	6.82E+00	2.13E+01	U
TV	ONS4-V	427451003	7/7/2017	Fe-59	-2.17E+01	1.55E+01	4.36E+01	U
TV	ONS4-V	427451003	7/7/2017	I-131	-2.04E+01	9.54E+00	1.97E+01	U
TV	ONS4-V	427451003	7/7/2017	K-40	7.34E+03	4.91E+02	1.84E+02	
TV	ONS4-V	427451003	7/7/2017	La-140	5.48E+00	8.01E+00	2.83E+01	U
TV	ONS4-V	427451003	7/7/2017	Mn-54	5.90E+00	5.26E+00	1.80E+01	U
TV	ONS4-V	427451003	7/7/2017	Nb-95	1.61E+00	5.58E+00	1.83E+01	U
TV	ONS4-V	427451003	7/7/2017	Ru-103	2.84E+00	6.02E+00	2.03E+01	U
TV	ONS4-V	427451003	7/7/2017	Ru-106	5.25E+01	4.98E+01	1.70E+02	U
TV	ONS4-V	427451003	7/7/2017	Sb-124	7.46E+00	7.96E+00	3.09E+01	U
TV	ONS4-V	427451003	7/7/2017	Sb-125	-7.34E+00	1.46E+01	4.65E+01	U
TV	ONS4-V	427451003	7/7/2017	Se-75	8.45E+00	7.19E+00	2.49E+01	U
TV	ONS4-V	427451003	7/7/2017	Th-228	3.26E+01	2.43E+01	4.00E+01	U
TV	ONS4-V	427451003	7/7/2017	Zn-65	-1.27E+01	1.27E+01	3.71E+01	U
TV	ONS4-V	427451003	7/7/2017	Zr-95	-1.09E+01	1.18E+01	3.40E+01	U
TV	ONS2-V	427451004	7/7/2017	Ac-228	-4.96E+01	3.06E+01	8.83E+01	U
TV	ONS2-V	427451004	7/7/2017	Ag-108m	-7.98E+00	7.94E+00	2.04E+01	U
TV	ONS2-V	427451004	7/7/2017	Ag-110m	9.11E-03	9.79E+00	2.93E+01	U
TV	ONS2-V	427451004	7/7/2017	Ba-140	-7.90E+00	2.94E+01	9.26E+01	U
TV	ONS2-V	427451004	7/7/2017	Be-7	1.66E+03	1.55E+02	1.62E+02	
TV	ONS2-V	427451004	7/7/2017	Ce-141	-3.68E+01	1.38E+01	2.98E+01	U
TV	ONS2-V	427451004	7/7/2017	Ce-144	2.23E+01	3.78E+01	1.32E+02	U
TV	ONS2-V	427451004	7/7/2017	Co-57	2.87E-01	4.61E+00	1.59E+01	U
TV	ONS2-V	427451004	7/7/2017	Co-58	2.79E+01	9.34E+00	2.01E+01	UI
TV	ONS2-V	427451004	7/7/2017	Co-60	7.05E+00	8.56E+00	3.13E+01	U
TV	ONS2-V	427451004	7/7/2017	Cr-51	-9.93E+01	6.42E+01	1.78E+02	U
TV	ONS2-V	427451004	7/7/2017	Cs-134	8.88E+00	7.68E+00	2.66E+01	U
TV	ONS2-V	427451004	7/7/2017	Cs-137	5.56E+01	1.42E+01	2.88E+01	M
TV	ONS2-V	427451004	7/7/2017	Fe-59	6.81E-01	1.44E+01	4.27E+01	U
TV	ONS2-V	427451004	7/7/2017	I-131	-2.11E+01	1.12E+01	2.81E+01	U
TV	ONS2-V	427451004	7/7/2017	K-40	1.93E+03	2.34E+02	2.14E+02	
TV	ONS2-V	427451004	7/7/2017	La-140	-3.44E-01	7.93E+00	2.56E+01	U
TV	ONS2-V	427451004	7/7/2017	Mn-54	-4.68E+00	6.67E+00	2.09E+01	U
TV	ONS2-V	427451004	7/7/2017	Nb-95	-2.34E+00	8.46E+00	2.61E+01	U
TV	ONS2-V	427451004	7/7/2017	Ru-103	-1.25E+00	6.70E+00	2.14E+01	U
TV	ONS2-V	427451004	7/7/2017	Ru-106	4.42E+01	6.96E+01	2.33E+02	U
TV	ONS2-V	427451004	7/7/2017	Sb-124	9.89E+00	1.75E+01	6.13E+01	U
TV	ONS2-V	427451004	7/7/2017	Sb-125	-4.30E+01	2.06E+01	4.72E+01	U
TV	ONS2-V	427451004	7/7/2017	Se-75	-3.61E+00	8.38E+00	2.41E+01	U
TV	ONS2-V	427451004	7/7/2017	Th-228	-7.45E+00	1.40E+01	4.45E+01	U
TV	ONS2-V	427451004	7/7/2017	Zn-65	4.73E-01	1.58E+01	5.28E+01	U
TV	ONS2-V	427451004	7/7/2017	Zr-95	-3.69E+01	1.74E+01	3.56E+01	U
TV	ONS2-V	427451005	7/7/2017	Ac-228	-1.59E+01	3.35E+01	9.83E+01	U
TV	ONS2-V	427451005	7/7/2017	Ag-108m	-3.74E+00	4.92E+00	1.53E+01	U
TV	ONS2-V	427451005	7/7/2017	Ag-110m	3.77E+00	8.12E+00	2.70E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS2-V	427451005	7/7/2017	Ba-140	-3.21E+01	2.30E+01	6.13E+01	U
TV	ONS2-V	427451005	7/7/2017	Be-7	1.64E+03	1.67E+02	1.79E+02	
TV	ONS2-V	427451005	7/7/2017	Ce-141	-1.24E+01	1.04E+01	2.99E+01	U
TV	ONS2-V	427451005	7/7/2017	Ce-144	-2.71E+01	3.63E+01	1.10E+02	U
TV	ONS2-V	427451005	7/7/2017	Co-57	2.33E+00	4.82E+00	1.59E+01	U
TV	ONS2-V	427451005	7/7/2017	Co-58	6.50E-01	6.86E+00	1.98E+01	U
TV	ONS2-V	427451005	7/7/2017	Co-60	-5.00E+00	6.47E+00	1.89E+01	U
TV	ONS2-V	427451005	7/7/2017	Cr-51	6.99E+01	5.12E+01	1.78E+02	U
TV	ONS2-V	427451005	7/7/2017	Cs-134	-3.34E+00	6.39E+00	1.91E+01	U
TV	ONS2-V	427451005	7/7/2017	Cs-137	1.42E+01	6.81E+00	2.33E+01	U
TV	ONS2-V	427451005	7/7/2017	Fe-59	5.31E+00	1.25E+01	4.35E+01	U
TV	ONS2-V	427451005	7/7/2017	I-131	2.15E+01	1.24E+01	2.64E+01	U
TV	ONS2-V	427451005	7/7/2017	K-40	2.81E+03	2.87E+02	2.09E+02	
TV	ONS2-V	427451005	7/7/2017	La-140	-7.25E+00	7.08E+00	1.75E+01	U
TV	ONS2-V	427451005	7/7/2017	Mn-54	5.91E+00	6.24E+00	2.13E+01	U
TV	ONS2-V	427451005	7/7/2017	Nb-95	-3.22E+00	6.59E+00	1.92E+01	U
TV	ONS2-V	427451005	7/7/2017	Ru-103	-5.67E+00	5.91E+00	1.76E+01	U
TV	ONS2-V	427451005	7/7/2017	Ru-106	1.14E+02	6.24E+01	2.12E+02	U
TV	ONS2-V	427451005	7/7/2017	Sb-124	8.48E+00	9.04E+00	3.51E+01	U
TV	ONS2-V	427451005	7/7/2017	Sb-125	-1.14E+01	1.75E+01	4.86E+01	U
TV	ONS2-V	427451005	7/7/2017	Se-75	2.86E+00	6.90E+00	2.41E+01	U
TV	ONS2-V	427451005	7/7/2017	Th-228	8.77E+00	1.89E+01	4.10E+01	U
TV	ONS2-V	427451005	7/7/2017	Zn-65	-8.82E+00	1.49E+01	3.97E+01	U
TV	ONS2-V	427451005	7/7/2017	Zr-95	9.72E+00	9.77E+00	3.40E+01	U
TV	ONS2-V	427451006	7/7/2017	Ac-228	1.73E+01	2.78E+01	9.71E+01	U
TV	ONS2-V	427451006	7/7/2017	Ag-108m	1.87E+00	4.72E+00	1.64E+01	U
TV	ONS2-V	427451006	7/7/2017	Ag-110m	6.27E+00	7.33E+00	2.56E+01	U
TV	ONS2-V	427451006	7/7/2017	Ba-140	5.93E+01	3.15E+01	7.87E+01	U
TV	ONS2-V	427451006	7/7/2017	Be-7	2.78E+03	2.03E+02	1.53E+02	
TV	ONS2-V	427451006	7/7/2017	Ce-141	-2.53E+01	1.08E+01	2.38E+01	U
TV	ONS2-V	427451006	7/7/2017	Ce-144	4.82E+01	3.38E+01	1.12E+02	U
TV	ONS2-V	427451006	7/7/2017	Co-57	1.24E+00	4.14E+00	1.30E+01	U
TV	ONS2-V	427451006	7/7/2017	Co-58	7.24E+00	6.00E+00	2.10E+01	U
TV	ONS2-V	427451006	7/7/2017	Co-60	-1.25E+01	6.71E+00	1.42E+01	U
TV	ONS2-V	427451006	7/7/2017	Cr-51	-1.61E+01	4.37E+01	1.47E+02	U
TV	ONS2-V	427451006	7/7/2017	Cs-134	-8.03E-01	6.00E+00	1.93E+01	U
TV	ONS2-V	427451006	7/7/2017	Cs-137	1.94E+01	1.11E+01	2.24E+01	U
TV	ONS2-V	427451006	7/7/2017	Fe-59	7.28E+00	1.27E+01	4.27E+01	U
TV	ONS2-V	427451006	7/7/2017	I-131	4.20E+00	6.66E+00	2.34E+01	U
TV	ONS2-V	427451006	7/7/2017	K-40	2.69E+03	2.53E+02	1.50E+02	
TV	ONS2-V	427451006	7/7/2017	La-140	3.36E+00	1.01E+01	3.46E+01	U
TV	ONS2-V	427451006	7/7/2017	Mn-54	-2.78E+00	5.79E+00	1.54E+01	U
TV	ONS2-V	427451006	7/7/2017	Nb-95	-2.27E-01	5.11E+00	1.63E+01	U
TV	ONS2-V	427451006	7/7/2017	Ru-103	-5.95E+00	5.81E+00	1.50E+01	U
TV	ONS2-V	427451006	7/7/2017	Ru-106	5.20E+01	3.90E+01	1.41E+02	U
TV	ONS2-V	427451006	7/7/2017	Sb-124	-4.44E+00	9.53E+00	2.79E+01	U
TV	ONS2-V	427451006	7/7/2017	Sb-125	3.92E+00	1.37E+01	4.74E+01	U
TV	ONS2-V	427451006	7/7/2017	Se-75	5.46E+00	7.06E+00	2.30E+01	U
TV	ONS2-V	427451006	7/7/2017	Th-228	1.93E+01	1.74E+01	3.79E+01	U
TV	ONS2-V	427451006	7/7/2017	Zn-65	-2.27E+01	1.63E+01	4.07E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS2-V	427451006	7/7/2017	Zr-95	1.22E+01	1.10E+01	3.84E+01	U
TV	OFS1-V	427451007	7/7/2017	Ac-228	-1.11E+02	4.27E+01	7.24E+01	U
TV	OFS1-V	427451007	7/7/2017	Ag-108m	4.53E+00	8.21E+00	2.89E+01	U
TV	OFS1-V	427451007	7/7/2017	Ag-110m	5.10E-01	1.28E+01	4.13E+01	U
TV	OFS1-V	427451007	7/7/2017	Ba-140	2.57E+01	3.51E+01	1.25E+02	U
TV	OFS1-V	427451007	7/7/2017	Be-7	1.29E+03	2.48E+02	2.57E+02	
TV	OFS1-V	427451007	7/7/2017	Ce-141	-1.76E+01	1.44E+01	4.07E+01	U
TV	OFS1-V	427451007	7/7/2017	Ce-144	4.35E+01	5.11E+01	1.74E+02	U
TV	OFS1-V	427451007	7/7/2017	Co-57	-6.29E+00	6.37E+00	1.77E+01	U
TV	OFS1-V	427451007	7/7/2017	Co-58	-1.02E+01	1.14E+01	3.17E+01	U
TV	OFS1-V	427451007	7/7/2017	Co-60	-1.81E+01	1.06E+01	1.75E+01	U
TV	OFS1-V	427451007	7/7/2017	Cr-51	-2.43E+00	7.80E+01	2.44E+02	U
TV	OFS1-V	427451007	7/7/2017	Cs-134	-1.47E+01	1.46E+01	3.31E+01	U
TV	OFS1-V	427451007	7/7/2017	Cs-137	3.18E+00	1.02E+01	3.48E+01	U
TV	OFS1-V	427451007	7/7/2017	Fe-59	3.98E+01	2.40E+01	8.97E+01	U
TV	OFS1-V	427451007	7/7/2017	I-131	1.93E+01	1.27E+01	4.53E+01	U
TV	OFS1-V	427451007	7/7/2017	K-40	2.19E+03	3.25E+02	0.00E+00	
TV	OFS1-V	427451007	7/7/2017	La-140	-6.49E+00	1.31E+01	3.73E+01	U
TV	OFS1-V	427451007	7/7/2017	Mn-54	1.92E+00	9.77E+00	3.23E+01	U
TV	OFS1-V	427451007	7/7/2017	Nb-95	-4.83E+00	1.12E+01	3.57E+01	U
TV	OFS1-V	427451007	7/7/2017	Ru-103	3.67E-01	8.68E+00	2.93E+01	U
TV	OFS1-V	427451007	7/7/2017	Ru-106	-4.93E+01	8.34E+01	2.53E+02	U
TV	OFS1-V	427451007	7/7/2017	Sb-124	-1.69E+00	2.57E+01	8.25E+01	U
TV	OFS1-V	427451007	7/7/2017	Sb-125	-1.40E+01	2.34E+01	7.45E+01	U
TV	OFS1-V	427451007	7/7/2017	Se-75	9.84E+00	1.24E+01	3.84E+01	U
TV	OFS1-V	427451007	7/7/2017	Th-228	-1.45E+01	2.05E+01	6.17E+01	U
TV	OFS1-V	427451007	7/7/2017	Zn-65	-7.66E+00	2.60E+01	8.47E+01	U
TV	OFS1-V	427451007	7/7/2017	Zr-95	2.30E+00	1.90E+01	6.25E+01	U
TV	ONS2-V	431645001	8/25/2017	Ac-228	3.51E+00	4.44E+01	7.48E+01	U
TV	ONS2-V	431645001	8/25/2017	Ag-108m	3.89E+00	4.81E+00	1.64E+01	U
TV	ONS2-V	431645001	8/25/2017	Ag-110m	-1.97E+00	6.65E+00	2.07E+01	U
TV	ONS2-V	431645001	8/25/2017	Ba-140	-3.69E+01	2.42E+01	6.67E+01	U
TV	ONS2-V	431645001	8/25/2017	Be-7	4.26E+03	2.53E+02	1.41E+02	
TV	ONS2-V	431645001	8/25/2017	Ce-141	-1.91E+01	1.34E+01	2.89E+01	U
TV	ONS2-V	431645001	8/25/2017	Ce-144	1.53E+01	3.39E+01	1.09E+02	U
TV	ONS2-V	431645001	8/25/2017	Co-57	1.79E+00	4.66E+00	1.50E+01	U
TV	ONS2-V	431645001	8/25/2017	Co-58	3.80E-01	5.38E+00	1.56E+01	U
TV	ONS2-V	431645001	8/25/2017	Co-60	1.93E+00	5.95E+00	2.05E+01	U
TV	ONS2-V	431645001	8/25/2017	Cr-51	-1.28E+01	4.91E+01	1.64E+02	U
TV	ONS2-V	431645001	8/25/2017	Cs-134	5.60E+00	6.64E+00	2.23E+01	U
TV	ONS2-V	431645001	8/25/2017	Cs-137	1.38E+00	5.89E+00	1.95E+01	U
TV	ONS2-V	431645001	8/25/2017	Fe-59	-4.14E+00	1.19E+01	3.94E+01	U
TV	ONS2-V	431645001	8/25/2017	I-131	3.09E+00	7.88E+00	2.69E+01	U
TV	ONS2-V	431645001	8/25/2017	K-40	3.57E+03	2.92E+02	1.49E+02	
TV	ONS2-V	431645001	8/25/2017	La-140	7.78E+00	9.44E+00	3.31E+01	U
TV	ONS2-V	431645001	8/25/2017	Mn-54	3.06E+00	5.75E+00	1.83E+01	U
TV	ONS2-V	431645001	8/25/2017	Nb-95	9.89E+00	6.55E+00	2.03E+01	U
TV	ONS2-V	431645001	8/25/2017	Ru-103	-2.40E+00	5.26E+00	1.69E+01	U
TV	ONS2-V	431645001	8/25/2017	Ru-106	-1.90E+01	5.22E+01	1.67E+02	U
TV	ONS2-V	431645001	8/25/2017	Sb-124	1.20E+01	1.08E+01	3.98E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS2-V	431645001	8/25/2017	Sb-125	8.77E-02	1.52E+01	5.07E+01	U
TV	ONS2-V	431645001	8/25/2017	Se-75	2.39E+00	6.97E+00	2.40E+01	U
TV	ONS2-V	431645001	8/25/2017	Th-228	2.95E+01	2.52E+01	4.04E+01	U
TV	ONS2-V	431645001	8/25/2017	Zn-65	-2.09E+00	1.35E+01	3.97E+01	U
TV	ONS2-V	431645001	8/25/2017	Zr-95	-1.17E+00	1.04E+01	3.33E+01	U
TV	ONS2-V	431645002	8/25/2017	Ac-228	1.32E+01	3.65E+01	1.31E+02	U
TV	ONS2-V	431645002	8/25/2017	Ag-108m	4.11E-01	6.25E+00	2.05E+01	U
TV	ONS2-V	431645002	8/25/2017	Ag-110m	-2.54E+00	8.91E+00	2.86E+01	U
TV	ONS2-V	431645002	8/25/2017	Ba-140	-6.05E+01	3.89E+01	9.17E+01	U
TV	ONS2-V	431645002	8/25/2017	Be-7	2.77E+03	2.36E+02	1.86E+02	
TV	ONS2-V	431645002	8/25/2017	Ce-141	-1.19E+01	1.34E+01	3.51E+01	U
TV	ONS2-V	431645002	8/25/2017	Ce-144	4.95E+01	4.25E+01	1.38E+02	U
TV	ONS2-V	431645002	8/25/2017	Co-57	4.83E+00	6.21E+00	2.01E+01	U
TV	ONS2-V	431645002	8/25/2017	Co-58	8.72E+00	7.10E+00	2.39E+01	U
TV	ONS2-V	431645002	8/25/2017	Co-60	-3.48E+00	7.71E+00	2.28E+01	U
TV	ONS2-V	431645002	8/25/2017	Cr-51	1.87E+01	6.60E+01	2.23E+02	U
TV	ONS2-V	431645002	8/25/2017	Cs-134	-1.11E+01	8.01E+00	2.14E+01	U
TV	ONS2-V	431645002	8/25/2017	Cs-137	1.35E+01	8.53E+00	3.02E+01	U
TV	ONS2-V	431645002	8/25/2017	Fe-59	1.94E+01	9.52E+00	3.89E+01	U
TV	ONS2-V	431645002	8/25/2017	I-131	5.16E+00	1.06E+01	3.59E+01	U
TV	ONS2-V	431645002	8/25/2017	K-40	2.07E+03	2.58E+02	2.19E+02	
TV	ONS2-V	431645002	8/25/2017	La-140	-5.61E+00	1.22E+01	3.79E+01	U
TV	ONS2-V	431645002	8/25/2017	Mn-54	-9.79E+00	9.35E+00	2.29E+01	U
TV	ONS2-V	431645002	8/25/2017	Nb-95	1.71E+01	8.77E+00	2.92E+01	U
TV	ONS2-V	431645002	8/25/2017	Ru-103	-1.77E+00	7.52E+00	2.38E+01	U
TV	ONS2-V	431645002	8/25/2017	Ru-106	-4.02E+01	6.65E+01	1.96E+02	U
TV	ONS2-V	431645002	8/25/2017	Sb-124	-1.59E+01	1.74E+01	4.70E+01	U
TV	ONS2-V	431645002	8/25/2017	Sb-125	3.96E+00	1.86E+01	6.17E+01	U
TV	ONS2-V	431645002	8/25/2017	Se-75	-3.10E+00	8.78E+00	2.89E+01	U
TV	ONS2-V	431645002	8/25/2017	Th-228	1.92E+01	2.93E+01	5.98E+01	U
TV	ONS2-V	431645002	8/25/2017	Zn-65	-1.07E+01	1.89E+01	5.02E+01	U
TV	ONS2-V	431645002	8/25/2017	Zr-95	-3.86E+00	1.24E+01	4.05E+01	U
TV	ONS2-V	431645003	8/25/2017	Ac-228	1.18E+01	6.19E+01	2.01E+02	U
TV	ONS2-V	431645003	8/25/2017	Ag-108m	7.07E+00	1.01E+01	3.50E+01	U
TV	ONS2-V	431645003	8/25/2017	Ag-110m	-3.64E+01	1.80E+01	3.48E+01	U
TV	ONS2-V	431645003	8/25/2017	Ba-140	9.54E+01	5.58E+01	1.82E+02	U
TV	ONS2-V	431645003	8/25/2017	Be-7	4.68E+03	3.56E+02	2.77E+02	
TV	ONS2-V	431645003	8/25/2017	Ce-141	1.27E+01	1.78E+01	5.86E+01	U
TV	ONS2-V	431645003	8/25/2017	Ce-144	-2.48E+01	6.40E+01	2.02E+02	U
TV	ONS2-V	431645003	8/25/2017	Co-57	1.66E+00	7.27E+00	2.39E+01	U
TV	ONS2-V	431645003	8/25/2017	Co-58	-9.67E+00	1.00E+01	2.70E+01	U
TV	ONS2-V	431645003	8/25/2017	Co-60	3.43E+00	1.24E+01	4.25E+01	U
TV	ONS2-V	431645003	8/25/2017	Cr-51	3.75E+01	9.70E+01	3.37E+02	U
TV	ONS2-V	431645003	8/25/2017	Cs-134	2.66E+01	1.98E+01	4.25E+01	U
TV	ONS2-V	431645003	8/25/2017	Cs-137	5.93E+01	2.78E+01	3.25E+01	UI
TV	ONS2-V	431645003	8/25/2017	Fe-59	-6.92E+00	2.62E+01	8.26E+01	U
TV	ONS2-V	431645003	8/25/2017	I-131	8.38E+00	1.59E+01	5.52E+01	U
TV	ONS2-V	431645003	8/25/2017	K-40	1.97E+03	3.14E+02	3.73E+02	
TV	ONS2-V	431645003	8/25/2017	La-140	2.03E+01	1.93E+01	7.03E+01	U
TV	ONS2-V	431645003	8/25/2017	Mn-54	-9.44E-01	1.15E+01	3.65E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS2-V	431645003	8/25/2017	Nb-95	1.54E+01	1.37E+01	4.20E+01	U
TV	ONS2-V	431645003	8/25/2017	Ru-103	1.02E+01	1.13E+01	3.91E+01	U
TV	ONS2-V	431645003	8/25/2017	Ru-106	-3.12E+01	1.01E+02	3.22E+02	U
TV	ONS2-V	431645003	8/25/2017	Sb-124	-1.87E+01	1.85E+01	4.00E+01	U
TV	ONS2-V	431645003	8/25/2017	Sb-125	8.76E+01	3.63E+01	1.18E+02	U
TV	ONS2-V	431645003	8/25/2017	Se-75	9.21E+00	1.50E+01	4.82E+01	U
TV	ONS2-V	431645003	8/25/2017	Th-228	4.27E+01	3.38E+01	8.25E+01	U
TV	ONS2-V	431645003	8/25/2017	Zn-65	2.82E+01	2.31E+01	8.47E+01	U
TV	ONS2-V	431645003	8/25/2017	Zr-95	5.73E+01	3.16E+01	7.78E+01	U
TV	ONS4-V	431645004	8/25/2017	Ac-228	-4.31E+01	3.07E+01	8.99E+01	U
TV	ONS4-V	431645004	8/25/2017	Ag-108m	0.00E+00	0.00E+00	1.80E+01	U
TV	ONS4-V	431645004	8/25/2017	Ag-110m	-3.83E+00	8.14E+00	2.61E+01	U
TV	ONS4-V	431645004	8/25/2017	Ba-140	2.70E+01	3.40E+01	1.14E+02	U
TV	ONS4-V	431645004	8/25/2017	Be-7	2.77E+03	1.98E+02	1.75E+02	
TV	ONS4-V	431645004	8/25/2017	Ce-141	-3.72E+00	8.82E+00	2.90E+01	U
TV	ONS4-V	431645004	8/25/2017	Ce-144	-3.14E+01	3.12E+01	9.70E+01	U
TV	ONS4-V	431645004	8/25/2017	Co-57	9.32E+00	5.99E+00	1.57E+01	U
TV	ONS4-V	431645004	8/25/2017	Co-58	-1.43E+01	6.99E+00	1.33E+01	U
TV	ONS4-V	431645004	8/25/2017	Co-60	-1.23E+01	6.79E+00	1.41E+01	U
TV	ONS4-V	431645004	8/25/2017	Cr-51	2.33E+01	5.32E+01	1.79E+02	U
TV	ONS4-V	431645004	8/25/2017	Cs-134	7.67E+00	6.84E+00	2.46E+01	U
TV	ONS4-V	431645004	8/25/2017	Cs-137	5.30E+00	7.75E+00	2.58E+01	U
TV	ONS4-V	431645004	8/25/2017	Fe-59	-1.46E+01	1.11E+01	2.88E+01	U
TV	ONS4-V	431645004	8/25/2017	I-131	8.16E+00	9.86E+00	3.34E+01	U
TV	ONS4-V	431645004	8/25/2017	K-40	3.40E+03	2.68E+02	2.34E+02	
TV	ONS4-V	431645004	8/25/2017	La-140	1.43E+00	8.27E+00	2.79E+01	U
TV	ONS4-V	431645004	8/25/2017	Mn-54	-5.83E+00	5.99E+00	1.80E+01	U
TV	ONS4-V	431645004	8/25/2017	Nb-95	6.59E+00	6.82E+00	2.31E+01	U
TV	ONS4-V	431645004	8/25/2017	Ru-103	-6.33E+00	6.32E+00	1.81E+01	U
TV	ONS4-V	431645004	8/25/2017	Ru-106	7.49E+01	6.08E+01	2.07E+02	U
TV	ONS4-V	431645004	8/25/2017	Sb-124	-1.51E+01	1.58E+01	4.23E+01	U
TV	ONS4-V	431645004	8/25/2017	Sb-125	-1.07E+01	1.84E+01	5.70E+01	U
TV	ONS4-V	431645004	8/25/2017	Se-75	4.58E-01	7.29E+00	2.42E+01	U
TV	ONS4-V	431645004	8/25/2017	Th-228	9.22E+00	1.44E+01	4.22E+01	U
TV	ONS4-V	431645004	8/25/2017	Zn-65	3.07E+01	1.30E+01	3.69E+01	U
TV	ONS4-V	431645004	8/25/2017	Zr-95	1.15E+01	1.32E+01	4.42E+01	U
TV	ONS4-V	431645005	8/25/2017	Ac-228	-1.56E+01	5.83E+01	2.07E+02	U
TV	ONS4-V	431645005	8/25/2017	Ag-108m	8.24E+00	1.14E+01	3.98E+01	U
TV	ONS4-V	431645005	8/25/2017	Ag-110m	5.11E+00	1.82E+01	5.41E+01	U
TV	ONS4-V	431645005	8/25/2017	Ba-140	-1.13E+02	6.99E+01	1.80E+02	U
TV	ONS4-V	431645005	8/25/2017	Be-7	1.87E+03	2.60E+02	4.10E+02	
TV	ONS4-V	431645005	8/25/2017	Ce-141	4.30E+00	2.75E+01	5.21E+01	U
TV	ONS4-V	431645005	8/25/2017	Ce-144	1.39E+02	7.43E+01	2.43E+02	U
TV	ONS4-V	431645005	8/25/2017	Co-57	7.01E+00	9.85E+00	3.27E+01	U
TV	ONS4-V	431645005	8/25/2017	Co-58	3.25E+01	1.20E+01	4.29E+01	U
TV	ONS4-V	431645005	8/25/2017	Co-60	-8.23E+00	1.38E+01	4.12E+01	U
TV	ONS4-V	431645005	8/25/2017	Cr-51	-1.41E+02	9.22E+01	2.55E+02	U
TV	ONS4-V	431645005	8/25/2017	Cs-134	-1.09E+01	1.59E+01	4.63E+01	U
TV	ONS4-V	431645005	8/25/2017	Cs-137	1.74E+01	1.50E+01	5.25E+01	U
TV	ONS4-V	431645005	8/25/2017	Fe-59	-1.45E+01	2.65E+01	8.26E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS4-V	431645005	8/25/2017	I-131	3.33E+01	2.71E+01	5.83E+01	U
TV	ONS4-V	431645005	8/25/2017	K-40	2.05E+03	3.31E+02	3.31E+02	
TV	ONS4-V	431645005	8/25/2017	La-140	6.78E+00	2.32E+01	7.89E+01	U
TV	ONS4-V	431645005	8/25/2017	Mn-54	-1.73E+01	1.33E+01	3.28E+01	U
TV	ONS4-V	431645005	8/25/2017	Nb-95	4.34E+01	1.71E+01	5.81E+01	U
TV	ONS4-V	431645005	8/25/2017	Ru-103	-2.69E+01	1.29E+01	2.73E+01	U
TV	ONS4-V	431645005	8/25/2017	Ru-106	-2.61E+01	1.25E+02	3.99E+02	U
TV	ONS4-V	431645005	8/25/2017	Sb-124	-2.67E+00	3.63E+01	1.17E+02	U
TV	ONS4-V	431645005	8/25/2017	Sb-125	5.90E+01	5.58E+01	1.09E+02	U
TV	ONS4-V	431645005	8/25/2017	Se-75	-1.30E+01	1.51E+01	4.26E+01	U
TV	ONS4-V	431645005	8/25/2017	Th-228	6.00E+01	3.75E+01	7.38E+01	U
TV	ONS4-V	431645005	8/25/2017	Zn-65	2.92E+01	2.78E+01	1.02E+02	U
TV	ONS4-V	431645005	8/25/2017	Zr-95	1.41E+01	2.08E+01	7.22E+01	U
TV	ONS4-V	431645006	8/25/2017	Ac-228	5.05E+01	3.51E+01	1.15E+02	U
TV	ONS4-V	431645006	8/25/2017	Ag-108m	5.65E+00	7.19E+00	2.47E+01	U
TV	ONS4-V	431645006	8/25/2017	Ag-110m	-1.60E+00	1.12E+01	3.75E+01	U
TV	ONS4-V	431645006	8/25/2017	Ba-140	2.28E+01	3.31E+01	1.13E+02	U
TV	ONS4-V	431645006	8/25/2017	Be-7	3.84E+03	2.64E+02	2.40E+02	
TV	ONS4-V	431645006	8/25/2017	Ce-141	-6.09E+00	1.34E+01	4.03E+01	U
TV	ONS4-V	431645006	8/25/2017	Ce-144	3.51E+01	4.60E+01	1.51E+02	U
TV	ONS4-V	431645006	8/25/2017	Co-57	-6.33E+00	5.95E+00	1.76E+01	U
TV	ONS4-V	431645006	8/25/2017	Co-58	-4.32E+00	7.60E+00	2.43E+01	U
TV	ONS4-V	431645006	8/25/2017	Co-60	2.33E+01	8.80E+00	3.25E+01	U
TV	ONS4-V	431645006	8/25/2017	Cr-51	-7.03E+01	6.99E+01	2.17E+02	U
TV	ONS4-V	431645006	8/25/2017	Cs-134	-3.04E-02	1.04E+01	3.29E+01	U
TV	ONS4-V	431645006	8/25/2017	Cs-137	1.68E+00	7.94E+00	2.61E+01	U
TV	ONS4-V	431645006	8/25/2017	Fe-59	2.24E+01	1.63E+01	5.87E+01	U
TV	ONS4-V	431645006	8/25/2017	I-131	-4.48E+00	1.26E+01	4.14E+01	U
TV	ONS4-V	431645006	8/25/2017	K-40	4.37E+03	3.48E+02	2.68E+02	
TV	ONS4-V	431645006	8/25/2017	La-140	-1.52E+01	1.47E+01	3.87E+01	U
TV	ONS4-V	431645006	8/25/2017	Mn-54	3.09E+00	8.10E+00	2.82E+01	U
TV	ONS4-V	431645006	8/25/2017	Nb-95	7.71E+00	8.11E+00	2.76E+01	U
TV	ONS4-V	431645006	8/25/2017	Ru-103	8.36E+00	8.06E+00	2.77E+01	U
TV	ONS4-V	431645006	8/25/2017	Ru-106	2.23E+02	8.20E+01	1.71E+02	UI
TV	ONS4-V	431645006	8/25/2017	Sb-124	-1.04E+02	3.50E+01	5.33E+01	U
TV	ONS4-V	431645006	8/25/2017	Sb-125	5.05E+00	2.55E+01	7.70E+01	U
TV	ONS4-V	431645006	8/25/2017	Se-75	6.33E+00	9.96E+00	3.47E+01	U
TV	ONS4-V	431645006	8/25/2017	Th-228	1.92E+00	3.29E+01	5.57E+01	U
TV	ONS4-V	431645006	8/25/2017	Zn-65	3.78E+00	1.71E+01	5.78E+01	U
TV	ONS4-V	431645006	8/25/2017	Zr-95	-6.06E+00	1.18E+01	3.46E+01	U
TV	OFS1-V	431645007	8/25/2017	Ac-228	1.06E+02	9.41E+01	1.78E+02	U
TV	OFS1-V	431645007	8/25/2017	Ag-108m	-5.90E+00	1.03E+01	3.19E+01	U
TV	OFS1-V	431645007	8/25/2017	Ag-110m	8.14E+00	1.73E+01	5.46E+01	U
TV	OFS1-V	431645007	8/25/2017	Ba-140	3.04E+01	5.23E+01	1.77E+02	U
TV	OFS1-V	431645007	8/25/2017	Be-7	2.63E+03	2.79E+02	3.59E+02	
TV	OFS1-V	431645007	8/25/2017	Ce-141	-4.15E+01	1.94E+01	5.12E+01	U
TV	OFS1-V	431645007	8/25/2017	Ce-144	-9.91E+01	6.31E+01	1.85E+02	U
TV	OFS1-V	431645007	8/25/2017	Co-57	-2.20E+00	7.72E+00	2.61E+01	U
TV	OFS1-V	431645007	8/25/2017	Co-58	-1.48E+01	1.18E+01	3.36E+01	U
TV	OFS1-V	431645007	8/25/2017	Co-60	-4.18E+00	1.61E+01	4.96E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	OFS1-V	431645007	8/25/2017	Cr-51	1.12E+02	1.14E+02	3.86E+02	U
TV	OFS1-V	431645007	8/25/2017	Cs-134	9.35E+00	1.55E+01	5.12E+01	U
TV	OFS1-V	431645007	8/25/2017	Cs-137	4.01E+01	1.62E+01	3.04E+01	UI
TV	OFS1-V	431645007	8/25/2017	Fe-59	1.55E+01	2.23E+01	7.95E+01	U
TV	OFS1-V	431645007	8/25/2017	I-131	2.05E+01	1.66E+01	5.73E+01	U
TV	OFS1-V	431645007	8/25/2017	K-40	1.86E+03	3.36E+02	6.38E+02	
TV	OFS1-V	431645007	8/25/2017	La-140	1.86E+01	2.12E+01	7.58E+01	U
TV	OFS1-V	431645007	8/25/2017	Mn-54	5.63E+00	1.27E+01	4.46E+01	U
TV	OFS1-V	431645007	8/25/2017	Nb-95	1.64E+01	1.51E+01	5.12E+01	U
TV	OFS1-V	431645007	8/25/2017	Ru-103	5.71E+00	1.17E+01	3.94E+01	U
TV	OFS1-V	431645007	8/25/2017	Ru-106	-1.06E+02	9.95E+01	2.72E+02	U
TV	OFS1-V	431645007	8/25/2017	Sb-124	2.37E+01	3.08E+01	1.10E+02	U
TV	OFS1-V	431645007	8/25/2017	Sb-125	-4.17E+00	2.82E+01	9.13E+01	U
TV	OFS1-V	431645007	8/25/2017	Se-75	-1.10E+01	1.30E+01	4.03E+01	U
TV	OFS1-V	431645007	8/25/2017	Th-228	6.99E+01	4.68E+01	7.40E+01	U
TV	OFS1-V	431645007	8/25/2017	Zn-65	3.70E+00	2.33E+01	7.04E+01	U
TV	OFS1-V	431645007	8/25/2017	Zr-95	-1.91E+01	2.18E+01	6.07E+01	U
TV	ONS3-V	434226001	10/3/2017	Ac-228	3.48E+01	3.99E+01	1.27E+02	U
TV	ONS3-V	434226001	10/3/2017	Ag-108m	-5.09E+00	4.97E+00	1.47E+01	U
TV	ONS3-V	434226001	10/3/2017	Ag-110m	-1.59E+01	1.02E+01	2.37E+01	U
TV	ONS3-V	434226001	10/3/2017	Ba-140	-1.31E+01	2.51E+01	7.84E+01	U
TV	ONS3-V	434226001	10/3/2017	Be-7	2.37E+03	2.01E+02	1.76E+02	
TV	ONS3-V	434226001	10/3/2017	Ce-141	7.16E-01	1.09E+01	3.24E+01	U
TV	ONS3-V	434226001	10/3/2017	Ce-144	-4.18E+01	4.30E+01	1.28E+02	U
TV	ONS3-V	434226001	10/3/2017	Co-57	-2.24E+00	5.57E+00	1.61E+01	U
TV	ONS3-V	434226001	10/3/2017	Co-58	-1.07E+01	6.68E+00	1.11E+01	U
TV	ONS3-V	434226001	10/3/2017	Co-60	-1.63E+00	6.29E+00	2.00E+01	U
TV	ONS3-V	434226001	10/3/2017	Cr-51	2.32E+01	5.39E+01	1.87E+02	U
TV	ONS3-V	434226001	10/3/2017	Cs-134	-3.45E+00	7.32E+00	2.21E+01	U
TV	ONS3-V	434226001	10/3/2017	Cs-137	-8.63E+00	7.02E+00	1.90E+01	U
TV	ONS3-V	434226001	10/3/2017	Fe-59	-2.44E+00	1.24E+01	4.08E+01	U
TV	ONS3-V	434226001	10/3/2017	I-131	-2.49E+00	8.16E+00	2.70E+01	U
TV	ONS3-V	434226001	10/3/2017	K-40	1.70E+03	2.45E+02	2.21E+02	
TV	ONS3-V	434226001	10/3/2017	La-140	-7.90E-01	9.55E+00	3.08E+01	U
TV	ONS3-V	434226001	10/3/2017	Mn-54	-7.04E+00	7.54E+00	2.12E+01	U
TV	ONS3-V	434226001	10/3/2017	Nb-95	-9.82E+00	8.01E+00	1.84E+01	U
TV	ONS3-V	434226001	10/3/2017	Ru-103	1.96E+00	6.11E+00	2.07E+01	U
TV	ONS3-V	434226001	10/3/2017	Ru-106	-3.59E+01	7.06E+01	1.92E+02	U
TV	ONS3-V	434226001	10/3/2017	Sb-124	1.44E+00	1.47E+01	4.87E+01	U
TV	ONS3-V	434226001	10/3/2017	Sb-125	4.56E+00	2.03E+01	6.21E+01	U
TV	ONS3-V	434226001	10/3/2017	Se-75	-1.17E+01	8.27E+00	2.46E+01	U
TV	ONS3-V	434226001	10/3/2017	Th-228	-1.13E+01	1.56E+01	4.83E+01	U
TV	ONS3-V	434226001	10/3/2017	Zn-65	-4.60E+00	1.40E+01	4.53E+01	U
TV	ONS3-V	434226001	10/3/2017	Zr-95	-2.23E+00	1.15E+01	3.62E+01	U
TV	ONS3-V	434226002	10/3/2017	Ac-228	7.09E+01	4.67E+01	1.21E+02	U
TV	ONS3-V	434226002	10/3/2017	Ag-108m	-2.57E+00	5.47E+00	1.79E+01	U
TV	ONS3-V	434226002	10/3/2017	Ag-110m	-5.47E+00	7.96E+00	2.35E+01	U
TV	ONS3-V	434226002	10/3/2017	Ba-140	3.41E-01	2.76E+01	9.04E+01	U
TV	ONS3-V	434226002	10/3/2017	Be-7	2.75E+03	2.04E+02	1.58E+02	
TV	ONS3-V	434226002	10/3/2017	Ce-141	6.26E+00	9.74E+00	2.65E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS3-V	434226002	10/3/2017	Ce-144	6.54E+01	7.34E+01	1.29E+02	U
TV	ONS3-V	434226002	10/3/2017	Co-57	7.13E+00	5.14E+00	1.68E+01	U
TV	ONS3-V	434226002	10/3/2017	Co-58	3.06E+00	5.85E+00	2.00E+01	U
TV	ONS3-V	434226002	10/3/2017	Co-60	3.40E+00	6.31E+00	2.26E+01	U
TV	ONS3-V	434226002	10/3/2017	Cr-51	-6.03E+01	5.11E+01	1.57E+02	U
TV	ONS3-V	434226002	10/3/2017	Cs-134	3.59E+00	8.54E+00	2.87E+01	U
TV	ONS3-V	434226002	10/3/2017	Cs-137	1.37E+01	7.47E+00	2.44E+01	U
TV	ONS3-V	434226002	10/3/2017	Fe-59	7.47E-01	1.10E+01	3.55E+01	U
TV	ONS3-V	434226002	10/3/2017	I-131	4.43E+00	7.03E+00	2.46E+01	U
TV	ONS3-V	434226002	10/3/2017	K-40	1.18E+03	2.24E+02	2.31E+02	
TV	ONS3-V	434226002	10/3/2017	La-140	4.51E+00	9.19E+00	3.25E+01	U
TV	ONS3-V	434226002	10/3/2017	Mn-54	7.19E-01	5.58E+00	1.85E+01	U
TV	ONS3-V	434226002	10/3/2017	Nb-95	-1.67E+00	7.58E+00	2.43E+01	U
TV	ONS3-V	434226002	10/3/2017	Ru-103	5.93E+00	5.93E+00	2.07E+01	U
TV	ONS3-V	434226002	10/3/2017	Ru-106	-9.32E+01	6.64E+01	1.86E+02	U
TV	ONS3-V	434226002	10/3/2017	Sb-124	4.35E+00	1.26E+01	4.44E+01	U
TV	ONS3-V	434226002	10/3/2017	Sb-125	-7.02E+00	1.70E+01	5.58E+01	U
TV	ONS3-V	434226002	10/3/2017	Se-75	8.97E+00	9.48E+00	3.04E+01	U
TV	ONS3-V	434226002	10/3/2017	Th-228	-4.72E+00	1.49E+01	4.56E+01	U
TV	ONS3-V	434226002	10/3/2017	Zn-65	3.92E+01	1.39E+01	4.31E+01	U
TV	ONS3-V	434226002	10/3/2017	Zr-95	-5.46E+00	1.23E+01	3.87E+01	U
TV	ONS3-V	434226003	10/3/2017	Ac-228	1.07E+02	7.81E+01	2.07E+02	U
TV	ONS3-V	434226003	10/3/2017	Ag-108m	-9.95E+00	9.40E+00	2.77E+01	U
TV	ONS3-V	434226003	10/3/2017	Ag-110m	8.90E+00	1.29E+01	4.47E+01	U
TV	ONS3-V	434226003	10/3/2017	Ba-140	-2.24E+01	4.40E+01	1.37E+02	U
TV	ONS3-V	434226003	10/3/2017	Be-7	2.98E+03	2.79E+02	3.20E+02	
TV	ONS3-V	434226003	10/3/2017	Ce-141	1.48E+01	2.67E+01	4.99E+01	U
TV	ONS3-V	434226003	10/3/2017	Ce-144	-1.20E+02	7.02E+01	2.05E+02	U
TV	ONS3-V	434226003	10/3/2017	Co-57	-9.21E+00	8.73E+00	2.79E+01	U
TV	ONS3-V	434226003	10/3/2017	Co-58	5.26E+00	9.83E+00	3.34E+01	U
TV	ONS3-V	434226003	10/3/2017	Co-60	4.09E+00	1.11E+01	3.91E+01	U
TV	ONS3-V	434226003	10/3/2017	Cr-51	-1.31E+02	8.86E+01	2.51E+02	U
TV	ONS3-V	434226003	10/3/2017	Cs-134	1.38E+00	1.22E+01	3.58E+01	U
TV	ONS3-V	434226003	10/3/2017	Cs-137	1.03E+02	3.09E+01	7.91E+01	DLUI
TV	ONS3-V	434226003	10/3/2017	Fe-59	4.32E+00	2.18E+01	7.09E+01	U
TV	ONS3-V	434226003	10/3/2017	I-131	-1.93E+01	1.39E+01	3.94E+01	U
TV	ONS3-V	434226003	10/3/2017	K-40	5.18E+03	4.92E+02	2.08E+02	
TV	ONS3-V	434226003	10/3/2017	La-140	1.86E+00	1.30E+01	4.44E+01	U
TV	ONS3-V	434226003	10/3/2017	Mn-54	1.53E+01	1.35E+01	4.61E+01	U
TV	ONS3-V	434226003	10/3/2017	Nb-95	9.46E+00	1.13E+01	3.86E+01	U
TV	ONS3-V	434226003	10/3/2017	Ru-103	-1.09E+01	9.23E+00	2.58E+01	U
TV	ONS3-V	434226003	10/3/2017	Ru-106	-5.76E+01	1.21E+02	3.32E+02	U
TV	ONS3-V	434226003	10/3/2017	Sb-124	-2.58E+01	2.74E+01	7.50E+01	U
TV	ONS3-V	434226003	10/3/2017	Sb-125	-4.52E-01	3.31E+01	1.10E+02	U
TV	ONS3-V	434226003	10/3/2017	Se-75	8.25E+00	1.40E+01	4.81E+01	U
TV	ONS3-V	434226003	10/3/2017	Th-228	2.27E+01	3.11E+01	8.26E+01	U
TV	ONS3-V	434226003	10/3/2017	Zn-65	-3.08E+00	2.10E+01	6.52E+01	U
TV	ONS3-V	434226003	10/3/2017	Zr-95	-3.33E+01	2.41E+01	6.36E+01	U
TV	ONS5-V	434226004	10/3/2017	Ac-228	6.71E+01	3.91E+01	1.27E+02	U
TV	ONS5-V	434226004	10/3/2017	Ag-108m	-1.86E+00	6.19E+00	1.98E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	434226004	10/3/2017	Ag-110m	-2.22E+00	8.28E+00	2.69E+01	U
TV	ONS5-V	434226004	10/3/2017	Ba-140	6.29E+00	2.95E+01	9.67E+01	U
TV	ONS5-V	434226004	10/3/2017	Be-7	5.70E+02	1.33E+02	2.02E+02	
TV	ONS5-V	434226004	10/3/2017	Ce-141	2.32E+01	1.78E+01	3.01E+01	U
TV	ONS5-V	434226004	10/3/2017	Ce-144	1.47E+01	4.12E+01	1.31E+02	U
TV	ONS5-V	434226004	10/3/2017	Co-57	-2.42E+00	5.44E+00	1.67E+01	U
TV	ONS5-V	434226004	10/3/2017	Co-58	-5.27E+00	7.00E+00	2.16E+01	U
TV	ONS5-V	434226004	10/3/2017	Co-60	2.69E+00	1.02E+01	3.28E+01	U
TV	ONS5-V	434226004	10/3/2017	Cr-51	2.01E+01	5.90E+01	2.00E+02	U
TV	ONS5-V	434226004	10/3/2017	Cs-134	-2.58E+00	9.72E+00	3.00E+01	U
TV	ONS5-V	434226004	10/3/2017	Cs-137	5.05E+00	7.08E+00	2.38E+01	U
TV	ONS5-V	434226004	10/3/2017	Fe-59	1.65E+01	1.74E+01	6.08E+01	U
TV	ONS5-V	434226004	10/3/2017	I-131	5.25E+00	8.12E+00	2.77E+01	U
TV	ONS5-V	434226004	10/3/2017	K-40	8.42E+03	6.47E+02	2.80E+02	
TV	ONS5-V	434226004	10/3/2017	La-140	8.60E+00	1.21E+01	4.18E+01	U
TV	ONS5-V	434226004	10/3/2017	Mn-54	1.81E+00	7.16E+00	2.46E+01	U
TV	ONS5-V	434226004	10/3/2017	Nb-95	-3.30E+00	8.11E+00	2.66E+01	U
TV	ONS5-V	434226004	10/3/2017	Ru-103	-5.92E+00	6.44E+00	1.87E+01	U
TV	ONS5-V	434226004	10/3/2017	Ru-106	-9.66E+01	6.38E+01	1.58E+02	U
TV	ONS5-V	434226004	10/3/2017	Sb-124	-2.83E+00	1.49E+01	4.85E+01	U
TV	ONS5-V	434226004	10/3/2017	Sb-125	2.82E+00	1.81E+01	5.98E+01	U
TV	ONS5-V	434226004	10/3/2017	Se-75	-6.53E+00	8.59E+00	2.73E+01	U
TV	ONS5-V	434226004	10/3/2017	Th-228	-4.32E+00	1.46E+01	4.89E+01	U
TV	ONS5-V	434226004	10/3/2017	Zn-65	2.02E+00	2.07E+01	6.87E+01	U
TV	ONS5-V	434226004	10/3/2017	Zr-95	-9.90E+00	1.32E+01	4.15E+01	U
TV	ONS5-V	434226005	10/3/2017	Ac-228	-6.78E+01	3.81E+01	8.76E+01	U
TV	ONS5-V	434226005	10/3/2017	Ag-108m	1.09E+01	7.85E+00	2.72E+01	U
TV	ONS5-V	434226005	10/3/2017	Ag-110m	1.12E+00	1.17E+01	3.77E+01	U
TV	ONS5-V	434226005	10/3/2017	Ba-140	3.70E+01	3.67E+01	1.18E+02	U
TV	ONS5-V	434226005	10/3/2017	Be-7	1.16E+03	2.04E+02	2.34E+02	
TV	ONS5-V	434226005	10/3/2017	Ce-141	3.48E+00	1.27E+01	4.11E+01	U
TV	ONS5-V	434226005	10/3/2017	Ce-144	4.92E+01	5.23E+01	1.71E+02	U
TV	ONS5-V	434226005	10/3/2017	Co-57	7.32E-01	6.84E+00	2.21E+01	U
TV	ONS5-V	434226005	10/3/2017	Co-58	-6.34E+00	7.69E+00	2.17E+01	U
TV	ONS5-V	434226005	10/3/2017	Co-60	-9.33E-01	9.49E+00	3.13E+01	U
TV	ONS5-V	434226005	10/3/2017	Cr-51	-7.80E+01	7.71E+01	2.41E+02	U
TV	ONS5-V	434226005	10/3/2017	Cs-134	5.84E+00	1.01E+01	3.41E+01	U
TV	ONS5-V	434226005	10/3/2017	Cs-137	2.15E+00	8.01E+00	2.68E+01	U
TV	ONS5-V	434226005	10/3/2017	Fe-59	-8.39E+00	1.51E+01	4.74E+01	U
TV	ONS5-V	434226005	10/3/2017	I-131	-9.27E+00	1.05E+01	3.27E+01	U
TV	ONS5-V	434226005	10/3/2017	K-40	1.89E+03	2.92E+02	2.60E+02	
TV	ONS5-V	434226005	10/3/2017	La-140	-1.43E+01	1.18E+01	2.90E+01	U
TV	ONS5-V	434226005	10/3/2017	Mn-54	2.05E+01	9.16E+00	2.93E+01	U
TV	ONS5-V	434226005	10/3/2017	Nb-95	1.21E-01	7.71E+00	2.50E+01	U
TV	ONS5-V	434226005	10/3/2017	Ru-103	9.89E+00	8.26E+00	2.87E+01	U
TV	ONS5-V	434226005	10/3/2017	Ru-106	1.51E+02	8.84E+01	3.02E+02	U
TV	ONS5-V	434226005	10/3/2017	Sb-124	-7.21E+00	1.73E+01	5.18E+01	U
TV	ONS5-V	434226005	10/3/2017	Sb-125	-1.19E+01	2.14E+01	6.81E+01	U
TV	ONS5-V	434226005	10/3/2017	Se-75	-9.65E+00	1.02E+01	3.25E+01	U
TV	ONS5-V	434226005	10/3/2017	Th-228	3.57E+00	3.34E+01	6.44E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	ONS5-V	434226005	10/3/2017	Zn-65	6.09E+00	1.67E+01	5.30E+01	U
TV	ONS5-V	434226005	10/3/2017	Zr-95	-6.47E+00	1.63E+01	5.06E+01	U
TV	ONS5-V	434226006	10/3/2017	Ac-228	-4.79E+01	4.24E+01	1.27E+02	U
TV	ONS5-V	434226006	10/3/2017	Ag-108m	5.13E+00	7.11E+00	2.47E+01	U
TV	ONS5-V	434226006	10/3/2017	Ag-110m	-8.24E+00	1.19E+01	3.73E+01	U
TV	ONS5-V	434226006	10/3/2017	Ba-140	-4.61E+01	3.72E+01	8.76E+01	U
TV	ONS5-V	434226006	10/3/2017	Be-7	2.27E+03	2.19E+02	2.29E+02	
TV	ONS5-V	434226006	10/3/2017	Ce-141	-7.22E-01	1.03E+01	3.36E+01	U
TV	ONS5-V	434226006	10/3/2017	Ce-144	4.17E+01	4.13E+01	1.39E+02	U
TV	ONS5-V	434226006	10/3/2017	Co-57	3.42E+00	4.97E+00	1.68E+01	U
TV	ONS5-V	434226006	10/3/2017	Co-58	1.51E+00	7.16E+00	2.34E+01	U
TV	ONS5-V	434226006	10/3/2017	Co-60	9.32E+00	9.06E+00	3.31E+01	U
TV	ONS5-V	434226006	10/3/2017	Cr-51	5.53E+01	6.37E+01	2.24E+02	U
TV	ONS5-V	434226006	10/3/2017	Cs-134	1.89E+00	8.96E+00	2.93E+01	U
TV	ONS5-V	434226006	10/3/2017	Cs-137	1.59E+00	7.68E+00	2.55E+01	U
TV	ONS5-V	434226006	10/3/2017	Fe-59	3.21E+01	2.45E+01	6.32E+01	U
TV	ONS5-V	434226006	10/3/2017	I-131	3.77E+00	1.06E+01	3.33E+01	U
TV	ONS5-V	434226006	10/3/2017	K-40	6.56E+03	5.43E+02	2.14E+02	
TV	ONS5-V	434226006	10/3/2017	La-140	-1.24E+00	1.09E+01	3.43E+01	U
TV	ONS5-V	434226006	10/3/2017	Mn-54	2.43E+00	8.21E+00	2.69E+01	U
TV	ONS5-V	434226006	10/3/2017	Nb-95	-2.04E+00	6.57E+00	1.74E+01	U
TV	ONS5-V	434226006	10/3/2017	Ru-103	-1.43E+01	8.29E+00	2.11E+01	U
TV	ONS5-V	434226006	10/3/2017	Ru-106	-1.98E+01	5.85E+01	1.83E+02	U
TV	ONS5-V	434226006	10/3/2017	Sb-124	-2.21E+01	1.72E+01	3.28E+01	U
TV	ONS5-V	434226006	10/3/2017	Sb-125	-1.19E+01	2.18E+01	6.97E+01	U
TV	ONS5-V	434226006	10/3/2017	Se-75	-4.09E+00	1.02E+01	3.08E+01	U
TV	ONS5-V	434226006	10/3/2017	Th-228	1.29E+01	2.44E+01	5.31E+01	U
TV	ONS5-V	434226006	10/3/2017	Zn-65	1.42E+01	1.79E+01	6.39E+01	U
TV	ONS5-V	434226006	10/3/2017	Zr-95	1.85E+01	1.59E+01	5.49E+01	U
TV	OFS1-V	434226007	10/3/2017	Ac-228	3.04E+01	3.72E+01	1.14E+02	U
TV	OFS1-V	434226007	10/3/2017	Ag-108m	4.56E+00	6.04E+00	2.07E+01	U
TV	OFS1-V	434226007	10/3/2017	Ag-110m	6.43E-03	9.86E+00	3.33E+01	U
TV	OFS1-V	434226007	10/3/2017	Ba-140	-2.60E+01	2.53E+01	7.16E+01	U
TV	OFS1-V	434226007	10/3/2017	Be-7	3.05E+03	2.23E+02	1.65E+02	
TV	OFS1-V	434226007	10/3/2017	Ce-141	-1.16E+01	1.25E+01	3.31E+01	U
TV	OFS1-V	434226007	10/3/2017	Ce-144	1.49E+01	3.39E+01	1.10E+02	U
TV	OFS1-V	434226007	10/3/2017	Co-57	5.46E+00	4.88E+00	1.60E+01	U
TV	OFS1-V	434226007	10/3/2017	Co-58	-4.37E+00	6.32E+00	1.97E+01	U
TV	OFS1-V	434226007	10/3/2017	Co-60	-2.12E+01	1.08E+01	2.29E+01	U
TV	OFS1-V	434226007	10/3/2017	Cr-51	-9.75E+00	5.23E+01	1.74E+02	U
TV	OFS1-V	434226007	10/3/2017	Cs-134	-3.06E+00	7.63E+00	2.49E+01	U
TV	OFS1-V	434226007	10/3/2017	Cs-137	-1.26E+00	7.69E+00	2.43E+01	U
TV	OFS1-V	434226007	10/3/2017	Fe-59	7.76E-01	1.52E+01	5.07E+01	U
TV	OFS1-V	434226007	10/3/2017	I-131	-9.60E+00	8.52E+00	2.18E+01	U
TV	OFS1-V	434226007	10/3/2017	K-40	2.74E+03	3.07E+02	1.94E+02	
TV	OFS1-V	434226007	10/3/2017	La-140	-1.34E+00	8.48E+00	2.64E+01	U
TV	OFS1-V	434226007	10/3/2017	Mn-54	-3.23E+00	5.94E+00	1.88E+01	U
TV	OFS1-V	434226007	10/3/2017	Nb-95	-6.26E+00	7.80E+00	2.13E+01	U
TV	OFS1-V	434226007	10/3/2017	Ru-103	5.35E+00	5.63E+00	1.95E+01	U
TV	OFS1-V	434226007	10/3/2017	Ru-106	2.40E+01	7.23E+01	2.38E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TV	OFS1-V	434226007	10/3/2017	Sb-124	2.01E+01	1.38E+01	5.40E+01	U
TV	OFS1-V	434226007	10/3/2017	Sb-125	-1.99E+01	1.99E+01	5.96E+01	U
TV	OFS1-V	434226007	10/3/2017	Se-75	-1.10E+01	8.26E+00	2.47E+01	U
TV	OFS1-V	434226007	10/3/2017	Th-228	2.47E+01	2.58E+01	4.37E+01	U
TV	OFS1-V	434226007	10/3/2017	Zn-65	3.90E+00	1.62E+01	5.50E+01	U
TV	OFS1-V	434226007	10/3/2017	Zr-95	5.77E+00	1.37E+01	4.51E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	413792023	1/4/2017	Ac-228	-1.81E+00	3.86E+00	1.10E+01	U
WD	STJ	413792023	1/4/2017	Ag-108m	-5.36E-01	6.47E-01	2.03E+00	U
WD	STJ	413792023	1/4/2017	Ag-110m	-1.13E+00	9.26E-01	2.51E+00	U
WD	STJ	413792023	1/4/2017	Ba-140	3.03E-01	3.59E+00	1.19E+01	U
WD	STJ	413792023	1/4/2017	Be-7	-6.14E+00	6.22E+00	1.90E+01	U
WD	STJ	413792023	1/4/2017	BETA	3.02E-01	8.12E-01	2.58E+00	U
WD	STJ	413792023	1/4/2017	Ce-141	-1.76E+00	1.79E+00	3.83E+00	U
WD	STJ	413792023	1/4/2017	Ce-144	-7.49E+00	5.33E+00	1.53E+01	U
WD	STJ	413792023	1/4/2017	Co-57	-4.34E-01	6.61E-01	2.05E+00	U
WD	STJ	413792023	1/4/2017	Co-58	-2.77E-01	7.19E-01	2.23E+00	U
WD	STJ	413792023	1/4/2017	Co-60	5.60E-01	6.19E-01	2.01E+00	U
WD	STJ	413792023	1/4/2017	Cr-51	9.23E-01	6.55E+00	2.23E+01	U
WD	STJ	413792023	1/4/2017	Cs-134	-1.95E-02	7.67E-01	2.46E+00	U
WD	STJ	413792023	1/4/2017	Cs-137	3.78E-01	7.86E-01	2.61E+00	U
WD	STJ	413792023	1/4/2017	Fe-59	2.56E+00	1.81E+00	4.74E+00	U
WD	STJ	413792023	1/4/2017	I-131	7.42E-01	1.47E+00	5.01E+00	U
WD	STJ	413792023	1/4/2017	K-40	-5.08E+00	1.08E+01	3.52E+01	U
WD	STJ	413792023	1/4/2017	La-140	7.80E-01	1.15E+00	3.60E+00	U
WD	STJ	413792023	1/4/2017	Mn-54	4.17E-01	7.12E-01	2.35E+00	U
WD	STJ	413792023	1/4/2017	Nb-95	5.52E-02	7.31E-01	2.36E+00	U
WD	STJ	413792023	1/4/2017	Ru-103	-7.84E-01	8.12E-01	2.17E+00	U
WD	STJ	413792023	1/4/2017	Ru-106	1.24E+00	6.33E+00	2.09E+01	U
WD	STJ	413792023	1/4/2017	Sb-124	-4.28E-01	1.52E+00	4.79E+00	U
WD	STJ	413792023	1/4/2017	Sb-125	-9.43E-01	1.93E+00	6.24E+00	U
WD	STJ	413792023	1/4/2017	Se-75	-9.19E-01	9.27E-01	2.98E+00	U
WD	STJ	413792023	1/4/2017	Th-228	4.06E+00	3.07E+00	5.01E+00	U
WD	STJ	413792023	1/4/2017	Zn-65	9.37E-01	1.20E+00	3.87E+00	U
WD	STJ	413792023	1/4/2017	Zr-95	-1.26E+00	1.32E+00	3.86E+00	U
WD	STJ	413792024	1/4/2017	I-131	-1.64E-01	2.27E-01	7.93E-01	U
WD	LTW	413792025	1/4/2017	Ac-228	-2.61E+00	4.84E+00	1.36E+01	U
WD	LTW	413792025	1/4/2017	Ag-108m	2.02E-01	8.22E-01	2.70E+00	U
WD	LTW	413792025	1/4/2017	Ag-110m	-5.34E-01	1.18E+00	3.78E+00	U
WD	LTW	413792025	1/4/2017	Ba-140	-1.40E+00	5.03E+00	1.59E+01	U
WD	LTW	413792025	1/4/2017	Be-7	-7.03E+00	8.68E+00	2.65E+01	U
WD	LTW	413792025	1/4/2017	BETA	1.63E+00	9.59E-01	2.70E+00	U
WD	LTW	413792025	1/4/2017	Ce-141	-4.45E+00	2.16E+00	5.50E+00	U
WD	LTW	413792025	1/4/2017	Ce-144	5.24E-01	6.77E+00	2.13E+01	U
WD	LTW	413792025	1/4/2017	Co-57	1.18E+00	9.35E-01	2.93E+00	U
WD	LTW	413792025	1/4/2017	Co-58	8.07E-01	1.06E+00	2.58E+00	U
WD	LTW	413792025	1/4/2017	Co-60	8.64E-01	1.04E+00	3.53E+00	U
WD	LTW	413792025	1/4/2017	Cr-51	1.12E+01	9.19E+00	3.06E+01	U
WD	LTW	413792025	1/4/2017	Cs-134	-1.78E-01	1.36E+00	3.32E+00	U
WD	LTW	413792025	1/4/2017	Cs-137	-1.16E+00	1.01E+00	3.11E+00	U
WD	LTW	413792025	1/4/2017	Fe-59	-3.16E-01	1.82E+00	5.88E+00	U
WD	LTW	413792025	1/4/2017	I-131	-1.66E+00	1.81E+00	5.60E+00	U
WD	LTW	413792025	1/4/2017	K-40	-6.28E+00	1.83E+01	5.81E+01	U
WD	LTW	413792025	1/4/2017	La-140	-9.46E-02	1.45E+00	4.84E+00	U
WD	LTW	413792025	1/4/2017	Mn-54	-6.07E-01	9.59E-01	3.06E+00	U
WD	LTW	413792025	1/4/2017	Nb-95	-1.92E+00	1.56E+00	3.34E+00	U
WD	LTW	413792025	1/4/2017	Ru-103	1.26E-01	1.11E+00	3.60E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	413792025	1/4/2017	Ru-106	-5.96E+00	1.06E+01	2.84E+01	U
WD	LTW	413792025	1/4/2017	Sb-124	4.14E+00	2.64E+00	9.32E+00	U
WD	LTW	413792025	1/4/2017	Sb-125	-4.14E+00	2.76E+00	7.79E+00	U
WD	LTW	413792025	1/4/2017	Se-75	-1.20E+00	1.20E+00	3.78E+00	U
WD	LTW	413792025	1/4/2017	Th-228	6.61E+00	4.06E+00	6.20E+00	UI
WD	LTW	413792025	1/4/2017	Zn-65	-3.33E+00	2.31E+00	6.38E+00	U
WD	LTW	413792025	1/4/2017	Zr-95	1.04E+00	1.55E+00	5.37E+00	U
WD	LTW	413792026	1/4/2017	I-131	-1.08E-01	2.21E-01	7.59E-01	U
WD	STJ	414678023	1/18/2017	Ac-228	1.25E+01	8.59E+00	1.57E+01	U
WD	STJ	414678023	1/18/2017	Ag-108m	1.96E+00	9.68E-01	3.07E+00	U
WD	STJ	414678023	1/18/2017	Ag-110m	7.85E-02	1.17E+00	3.90E+00	U
WD	STJ	414678023	1/18/2017	Ba-140	4.25E-01	4.95E+00	1.60E+01	U
WD	STJ	414678023	1/18/2017	Be-7	-1.30E+01	9.75E+00	2.81E+01	U
WD	STJ	414678023	1/18/2017	BETA	1.79E+00	1.05E+00	3.01E+00	U
WD	STJ	414678023	1/18/2017	Ce-141	2.48E+00	1.96E+00	5.63E+00	U
WD	STJ	414678023	1/18/2017	Ce-144	-1.43E+00	6.98E+00	2.17E+01	U
WD	STJ	414678023	1/18/2017	Co-57	1.92E-01	9.93E-01	2.89E+00	U
WD	STJ	414678023	1/18/2017	Co-58	2.11E-01	9.70E-01	3.28E+00	U
WD	STJ	414678023	1/18/2017	Co-60	1.87E-01	1.13E+00	3.70E+00	U
WD	STJ	414678023	1/18/2017	Cr-51	-2.33E+00	8.88E+00	2.91E+01	U
WD	STJ	414678023	1/18/2017	Cs-134	-1.72E-01	1.28E+00	3.75E+00	U
WD	STJ	414678023	1/18/2017	Cs-137	1.47E+00	1.07E+00	3.66E+00	U
WD	STJ	414678023	1/18/2017	Fe-59	3.37E+00	2.15E+00	7.25E+00	U
WD	STJ	414678023	1/18/2017	I-131	-1.50E-02	1.59E+00	5.23E+00	U
WD	STJ	414678023	1/18/2017	K-40	3.47E+01	2.44E+01	3.06E+01	UI
WD	STJ	414678023	1/18/2017	La-140	-1.61E+00	1.71E+00	5.17E+00	U
WD	STJ	414678023	1/18/2017	Mn-54	-3.06E-01	1.00E+00	3.29E+00	U
WD	STJ	414678023	1/18/2017	Nb-95	-4.70E+00	1.89E+00	3.06E+00	U
WD	STJ	414678023	1/18/2017	Ru-103	4.99E-01	9.96E-01	3.27E+00	U
WD	STJ	414678023	1/18/2017	Ru-106	-1.43E+01	9.92E+00	2.70E+01	U
WD	STJ	414678023	1/18/2017	Sb-124	-5.49E-01	2.21E+00	7.21E+00	U
WD	STJ	414678023	1/18/2017	Sb-125	2.23E+00	2.66E+00	8.83E+00	U
WD	STJ	414678023	1/18/2017	Se-75	-1.08E+00	1.29E+00	4.12E+00	U
WD	STJ	414678023	1/18/2017	Th-228	-1.31E+00	2.23E+00	6.57E+00	U
WD	STJ	414678023	1/18/2017	Zn-65	8.35E-01	2.15E+00	6.39E+00	U
WD	STJ	414678023	1/18/2017	Zr-95	-1.57E+00	1.83E+00	5.74E+00	U
WD	STJ	414678024	1/18/2017	I-131	-1.27E-01	2.40E-01	8.17E-01	U
WD	LTW	414678025	1/18/2017	Ac-228	4.40E+00	5.05E+00	1.10E+01	U
WD	LTW	414678025	1/18/2017	Ag-108m	-7.06E-01	7.41E-01	2.29E+00	U
WD	LTW	414678025	1/18/2017	Ag-110m	-8.03E-01	1.07E+00	3.39E+00	U
WD	LTW	414678025	1/18/2017	Ba-140	-1.54E+00	3.49E+00	1.10E+01	U
WD	LTW	414678025	1/18/2017	Be-7	-1.12E-01	6.95E+00	2.29E+01	U
WD	LTW	414678025	1/18/2017	BETA	9.70E-01	9.86E-01	3.02E+00	U
WD	LTW	414678025	1/18/2017	Ce-141	-9.63E-01	1.59E+00	4.52E+00	U
WD	LTW	414678025	1/18/2017	Ce-144	-2.29E+00	5.78E+00	1.83E+01	U
WD	LTW	414678025	1/18/2017	Co-57	-7.53E-01	7.02E-01	2.11E+00	U
WD	LTW	414678025	1/18/2017	Co-58	2.67E-01	7.99E-01	2.47E+00	U
WD	LTW	414678025	1/18/2017	Co-60	-6.40E-01	6.58E-01	1.85E+00	U
WD	LTW	414678025	1/18/2017	Cr-51	-9.54E+00	7.56E+00	2.32E+01	U
WD	LTW	414678025	1/18/2017	Cs-134	-7.26E-01	9.82E-01	2.70E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	414678025	1/18/2017	Cs-137	9.75E-01	8.46E-01	2.83E+00	U
WD	LTW	414678025	1/18/2017	Fe-59	5.57E-01	1.41E+00	4.83E+00	U
WD	LTW	414678025	1/18/2017	I-131	5.74E+00	3.22E+00	4.32E+00	UI
WD	LTW	414678025	1/18/2017	K-40	8.13E+00	1.31E+01	3.87E+01	U
WD	LTW	414678025	1/18/2017	La-140	-1.58E+00	1.36E+00	3.67E+00	U
WD	LTW	414678025	1/18/2017	Mn-54	1.60E+00	8.18E-01	2.79E+00	U
WD	LTW	414678025	1/18/2017	Nb-95	3.25E+00	1.77E+00	2.28E+00	UI
WD	LTW	414678025	1/18/2017	Ru-103	-2.45E+00	1.12E+00	2.28E+00	U
WD	LTW	414678025	1/18/2017	Ru-106	5.88E+00	7.36E+00	2.46E+01	U
WD	LTW	414678025	1/18/2017	Sb-124	-1.35E+00	2.19E+00	6.50E+00	U
WD	LTW	414678025	1/18/2017	Sb-125	-1.25E+00	2.28E+00	7.30E+00	U
WD	LTW	414678025	1/18/2017	Se-75	3.43E-01	9.88E-01	3.41E+00	U
WD	LTW	414678025	1/18/2017	Th-228	-2.66E+00	1.97E+00	5.55E+00	U
WD	LTW	414678025	1/18/2017	Zn-65	5.99E-01	1.70E+00	5.13E+00	U
WD	LTW	414678025	1/18/2017	Zr-95	5.72E-01	1.41E+00	4.61E+00	U
WD	LTW	414678026	1/18/2017	I-131	-3.49E-01	2.41E-01	8.48E-01	U
WD	STJ	415694023	2/1/2017	Ac-228	2.32E+00	3.93E+00	1.17E+01	U
WD	STJ	415694023	2/1/2017	Ag-108m	-3.04E-01	1.14E+00	2.53E+00	U
WD	STJ	415694023	2/1/2017	Ag-110m	-5.00E-02	1.10E+00	3.48E+00	U
WD	STJ	415694023	2/1/2017	Ba-140	-2.73E-01	3.14E+00	1.02E+01	U
WD	STJ	415694023	2/1/2017	Be-7	4.56E+00	7.23E+00	2.42E+01	U
WD	STJ	415694023	2/1/2017	BETA	1.06E+00	8.19E-01	2.38E+00	U
WD	STJ	415694023	2/1/2017	Ce-141	7.91E+00	2.73E+00	4.37E+00	UI
WD	STJ	415694023	2/1/2017	Ce-144	-2.20E+00	6.41E+00	1.96E+01	U
WD	STJ	415694023	2/1/2017	Co-57	-8.56E-01	9.00E-01	2.65E+00	U
WD	STJ	415694023	2/1/2017	Co-58	-1.55E+00	8.63E-01	2.07E+00	U
WD	STJ	415694023	2/1/2017	Co-60	3.58E-01	8.59E-01	2.95E+00	U
WD	STJ	415694023	2/1/2017	Cr-51	6.11E-01	7.67E+00	2.57E+01	U
WD	STJ	415694023	2/1/2017	Cs-134	1.01E-01	7.90E-01	2.55E+00	U
WD	STJ	415694023	2/1/2017	Cs-137	1.14E+00	8.28E-01	2.79E+00	U
WD	STJ	415694023	2/1/2017	Fe-59	-4.51E-01	1.61E+00	5.29E+00	U
WD	STJ	415694023	2/1/2017	I-131	-4.12E-01	1.32E+00	4.10E+00	U
WD	STJ	415694023	2/1/2017	K-40	1.57E+00	1.31E+01	2.69E+01	U
WD	STJ	415694023	2/1/2017	La-140	-1.43E+00	1.11E+00	2.90E+00	U
WD	STJ	415694023	2/1/2017	Mn-54	-5.27E-01	9.16E-01	2.41E+00	U
WD	STJ	415694023	2/1/2017	Nb-95	9.83E-01	7.92E-01	2.67E+00	U
WD	STJ	415694023	2/1/2017	Ru-103	-1.59E+00	9.52E-01	2.59E+00	U
WD	STJ	415694023	2/1/2017	Ru-106	2.14E+00	7.15E+00	2.36E+01	U
WD	STJ	415694023	2/1/2017	Sb-124	-8.37E-01	2.31E+00	6.25E+00	U
WD	STJ	415694023	2/1/2017	Sb-125	1.18E+00	2.74E+00	6.69E+00	U
WD	STJ	415694023	2/1/2017	Se-75	3.85E-01	1.03E+00	3.51E+00	U
WD	STJ	415694023	2/1/2017	Th-228	-1.48E+00	1.90E+00	5.90E+00	U
WD	STJ	415694023	2/1/2017	Zn-65	-4.98E-01	1.78E+00	5.11E+00	U
WD	STJ	415694023	2/1/2017	Zr-95	-1.02E+00	1.52E+00	4.57E+00	U
WD	STJ	415694024	2/1/2017	I-131	-1.34E-02	5.36E-02	1.78E-01	U
WD	LTW	415694025	2/1/2017	Ac-228	1.81E+00	4.31E+00	1.36E+01	U
WD	LTW	415694025	2/1/2017	Ag-108m	-8.59E-01	7.22E-01	2.15E+00	U
WD	LTW	415694025	2/1/2017	Ag-110m	-1.29E+00	1.15E+00	3.44E+00	U
WD	LTW	415694025	2/1/2017	Ba-140	-2.13E+00	4.16E+00	1.32E+01	U
WD	LTW	415694025	2/1/2017	Be-7	6.23E+00	7.67E+00	2.61E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	415694025	2/1/2017	BETA	-1.57E+00	6.51E-01	2.57E+00	U
WD	LTW	415694025	2/1/2017	Ce-141	-7.64E-01	1.61E+00	5.07E+00	U
WD	LTW	415694025	2/1/2017	Ce-144	8.56E+00	5.80E+00	1.87E+01	U
WD	LTW	415694025	2/1/2017	Co-57	-1.03E+00	8.08E-01	2.40E+00	U
WD	LTW	415694025	2/1/2017	Co-58	-6.71E-01	8.51E-01	2.48E+00	U
WD	LTW	415694025	2/1/2017	Co-60	4.21E-01	6.61E-01	2.33E+00	U
WD	LTW	415694025	2/1/2017	Cr-51	-1.72E+00	7.85E+00	2.65E+01	U
WD	LTW	415694025	2/1/2017	Cs-134	-1.13E+00	1.03E+00	2.90E+00	U
WD	LTW	415694025	2/1/2017	Cs-137	-1.23E+00	1.04E+00	2.95E+00	U
WD	LTW	415694025	2/1/2017	Fe-59	-1.49E+00	1.65E+00	4.95E+00	U
WD	LTW	415694025	2/1/2017	I-131	7.79E-01	1.38E+00	4.73E+00	U
WD	LTW	415694025	2/1/2017	K-40	5.31E+00	1.56E+01	2.45E+01	U
WD	LTW	415694025	2/1/2017	La-140	-1.89E+00	1.51E+00	3.05E+00	U
WD	LTW	415694025	2/1/2017	Mn-54	-6.95E-01	8.97E-01	2.62E+00	U
WD	LTW	415694025	2/1/2017	Nb-95	-7.41E-01	1.18E+00	3.15E+00	U
WD	LTW	415694025	2/1/2017	Ru-103	-1.27E-01	9.17E-01	3.01E+00	U
WD	LTW	415694025	2/1/2017	Ru-106	-5.52E+00	8.10E+00	2.48E+01	U
WD	LTW	415694025	2/1/2017	Sb-124	-1.74E+00	2.00E+00	4.84E+00	U
WD	LTW	415694025	2/1/2017	Sb-125	-2.89E+00	2.50E+00	6.55E+00	U
WD	LTW	415694025	2/1/2017	Se-75	-1.00E+00	1.20E+00	3.18E+00	U
WD	LTW	415694025	2/1/2017	Th-228	1.23E+00	2.27E+00	6.30E+00	U
WD	LTW	415694025	2/1/2017	Zn-65	2.55E+00	2.14E+00	6.82E+00	U
WD	LTW	415694025	2/1/2017	Zr-95	2.62E+00	1.64E+00	5.53E+00	U
WD	LTW	415694026	2/1/2017	I-131	4.42E-02	6.13E-02	1.99E-01	U
WD	STJ	416948023	2/15/2017	Ac-228	-7.50E+00	6.47E+00	1.69E+01	U
WD	STJ	416948023	2/15/2017	Ag-108m	3.90E-01	1.05E+00	3.50E+00	U
WD	STJ	416948023	2/15/2017	Ag-110m	2.13E+00	1.59E+00	5.77E+00	U
WD	STJ	416948023	2/15/2017	Ba-140	8.59E+00	6.81E+00	2.31E+01	U
WD	STJ	416948023	2/15/2017	Be-7	7.51E+00	1.14E+01	3.81E+01	U
WD	STJ	416948023	2/15/2017	BETA	2.49E+00	1.10E+00	3.03E+00	U
WD	STJ	416948023	2/15/2017	Ce-141	-6.59E-02	2.21E+00	7.13E+00	U
WD	STJ	416948023	2/15/2017	Ce-144	-7.08E+00	8.27E+00	2.64E+01	U
WD	STJ	416948023	2/15/2017	Co-57	-1.08E-01	1.08E+00	3.65E+00	U
WD	STJ	416948023	2/15/2017	Co-58	3.60E+00	1.67E+00	3.17E+00	UI
WD	STJ	416948023	2/15/2017	Co-60	8.91E-01	1.20E+00	4.28E+00	U
WD	STJ	416948023	2/15/2017	Cr-51	-4.71E+00	1.19E+01	3.80E+01	U
WD	STJ	416948023	2/15/2017	Cs-134	8.88E-02	1.09E+00	3.73E+00	U
WD	STJ	416948023	2/15/2017	Cs-137	2.89E-02	1.50E+00	4.27E+00	U
WD	STJ	416948023	2/15/2017	Fe-59	4.74E-01	2.32E+00	7.92E+00	U
WD	STJ	416948023	2/15/2017	I-131	-2.08E+00	2.38E+00	7.22E+00	U
WD	STJ	416948023	2/15/2017	K-40	1.16E+01	1.35E+01	4.77E+01	U
WD	STJ	416948023	2/15/2017	La-140	4.73E-01	1.65E+00	5.63E+00	U
WD	STJ	416948023	2/15/2017	Mn-54	5.19E-01	1.47E+00	5.10E+00	U
WD	STJ	416948023	2/15/2017	Nb-95	-2.27E-01	1.20E+00	4.02E+00	U
WD	STJ	416948023	2/15/2017	Ru-103	1.27E+00	1.51E+00	5.07E+00	U
WD	STJ	416948023	2/15/2017	Ru-106	-5.30E-01	1.27E+01	4.04E+01	U
WD	STJ	416948023	2/15/2017	Sb-124	2.75E+00	2.71E+00	9.98E+00	U
WD	STJ	416948023	2/15/2017	Sb-125	1.67E+00	3.26E+00	9.95E+00	U
WD	STJ	416948023	2/15/2017	Se-75	-1.10E+00	1.63E+00	5.13E+00	U
WD	STJ	416948023	2/15/2017	Th-228	-3.57E+00	2.79E+00	8.35E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	416948023	2/15/2017	Zn-65	1.07E+00	2.12E+00	7.46E+00	U
WD	STJ	416948023	2/15/2017	Zr-95	3.21E-01	2.28E+00	7.33E+00	U
WD	STJ	416948024	2/15/2017	I-131	1.19E-04	2.04E-04	6.64E-04	U
WD	LTW	416948025	2/15/2017	Ac-228	-1.05E+01	5.48E+00	1.46E+01	U
WD	LTW	416948025	2/15/2017	Ag-108m	-7.99E-01	8.71E-01	2.63E+00	U
WD	LTW	416948025	2/15/2017	Ag-110m	1.24E+00	1.27E+00	4.55E+00	U
WD	LTW	416948025	2/15/2017	Ba-140	8.77E-01	5.23E+00	1.73E+01	U
WD	LTW	416948025	2/15/2017	Be-7	1.40E+01	9.41E+00	3.20E+01	U
WD	LTW	416948025	2/15/2017	BETA	3.17E+00	1.22E+00	3.41E+00	U
WD	LTW	416948025	2/15/2017	Ce-141	1.83E+00	1.96E+00	6.32E+00	U
WD	LTW	416948025	2/15/2017	Ce-144	-1.09E+00	6.73E+00	2.13E+01	U
WD	LTW	416948025	2/15/2017	Co-57	3.29E-01	8.47E-01	2.75E+00	U
WD	LTW	416948025	2/15/2017	Co-58	-1.56E+00	9.96E-01	2.68E+00	U
WD	LTW	416948025	2/15/2017	Co-60	1.51E-01	1.08E+00	3.59E+00	U
WD	LTW	416948025	2/15/2017	Cr-51	8.28E+00	9.53E+00	3.29E+01	U
WD	LTW	416948025	2/15/2017	Cs-134	-3.32E-01	1.23E+00	3.79E+00	U
WD	LTW	416948025	2/15/2017	Cs-137	-2.32E-01	1.24E+00	3.94E+00	U
WD	LTW	416948025	2/15/2017	Fe-59	-1.94E+00	1.99E+00	5.77E+00	U
WD	LTW	416948025	2/15/2017	I-131	8.44E-01	1.85E+00	6.30E+00	U
WD	LTW	416948025	2/15/2017	K-40	-1.70E+01	1.58E+01	5.04E+01	U
WD	LTW	416948025	2/15/2017	La-140	-2.49E-01	1.70E+00	5.37E+00	U
WD	LTW	416948025	2/15/2017	Mn-54	-1.71E-01	1.02E+00	3.42E+00	U
WD	LTW	416948025	2/15/2017	Nb-95	1.63E+00	1.29E+00	4.30E+00	U
WD	LTW	416948025	2/15/2017	Ru-103	-8.58E-01	1.09E+00	3.31E+00	U
WD	LTW	416948025	2/15/2017	Ru-106	-2.25E+00	1.03E+01	2.89E+01	U
WD	LTW	416948025	2/15/2017	Sb-124	-3.26E+00	2.82E+00	7.24E+00	U
WD	LTW	416948025	2/15/2017	Sb-125	-3.70E+00	3.01E+00	8.80E+00	U
WD	LTW	416948025	2/15/2017	Se-75	1.75E-01	1.14E+00	3.91E+00	U
WD	LTW	416948025	2/15/2017	Th-228	6.96E-01	2.76E+00	6.74E+00	U
WD	LTW	416948025	2/15/2017	Zn-65	1.58E+00	1.75E+00	6.27E+00	U
WD	LTW	416948025	2/15/2017	Zr-95	4.95E-01	1.44E+00	4.76E+00	U
WD	LTW	416948026	2/15/2017	I-131	-7.22E-05	2.57E-04	8.52E-04	U
WD	STJ	417740023	3/1/2017	Ac-228	-3.15E+00	4.12E+00	1.20E+01	U
WD	STJ	417740023	3/1/2017	Ag-108m	-1.74E-01	5.68E-01	1.89E+00	U
WD	STJ	417740023	3/1/2017	Ag-110m	1.15E-01	9.88E-01	3.21E+00	U
WD	STJ	417740023	3/1/2017	Ba-140	9.42E+00	4.06E+00	1.32E+01	U
WD	STJ	417740023	3/1/2017	Be-7	-1.64E+00	6.07E+00	2.01E+01	U
WD	STJ	417740023	3/1/2017	BETA	-1.25E-01	1.03E+00	3.42E+00	U
WD	STJ	417740023	3/1/2017	Ce-141	-4.81E-02	1.28E+00	4.17E+00	U
WD	STJ	417740023	3/1/2017	Ce-144	-5.08E+00	4.72E+00	1.44E+01	U
WD	STJ	417740023	3/1/2017	Co-57	-3.82E-01	6.87E-01	2.20E+00	U
WD	STJ	417740023	3/1/2017	Co-58	1.35E+00	7.05E-01	2.43E+00	U
WD	STJ	417740023	3/1/2017	Co-60	-1.15E+00	9.29E-01	2.58E+00	U
WD	STJ	417740023	3/1/2017	Cr-51	-6.19E+00	7.33E+00	2.13E+01	U
WD	STJ	417740023	3/1/2017	Cs-134	-1.74E-01	8.75E-01	2.80E+00	U
WD	STJ	417740023	3/1/2017	Cs-137	1.56E+00	8.31E-01	2.81E+00	U
WD	STJ	417740023	3/1/2017	Fe-59	2.19E-01	1.33E+00	4.58E+00	U
WD	STJ	417740023	3/1/2017	I-131	6.35E-01	1.11E+00	3.87E+00	U
WD	STJ	417740023	3/1/2017	K-40	1.90E+01	1.47E+01	2.42E+01	U
WD	STJ	417740023	3/1/2017	La-140	-9.38E-01	1.17E+00	3.07E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	417740023	3/1/2017	Mn-54	-8.24E-03	7.10E-01	2.29E+00	U
WD	STJ	417740023	3/1/2017	Nb-95	-6.44E-03	7.75E-01	2.52E+00	U
WD	STJ	417740023	3/1/2017	Ru-103	-9.58E-02	7.67E-01	2.56E+00	U
WD	STJ	417740023	3/1/2017	Ru-106	-5.01E+00	6.46E+00	1.98E+01	U
WD	STJ	417740023	3/1/2017	Sb-124	-4.04E-01	1.51E+00	4.74E+00	U
WD	STJ	417740023	3/1/2017	Sb-125	-5.30E-02	2.16E+00	6.58E+00	U
WD	STJ	417740023	3/1/2017	Se-75	-4.55E-01	9.51E-01	2.91E+00	U
WD	STJ	417740023	3/1/2017	Th-228	1.01E+00	3.02E+00	5.36E+00	U
WD	STJ	417740023	3/1/2017	Zn-65	-2.28E+00	1.65E+00	4.71E+00	U
WD	STJ	417740023	3/1/2017	Zr-95	9.53E-01	1.37E+00	4.65E+00	U
WD	STJ	417740024	3/1/2017	I-131	7.56E-02	1.86E-01	5.79E-01	U
WD	LTW	417740025	3/1/2017	Ac-228	-2.42E+00	4.42E+00	1.23E+01	U
WD	LTW	417740025	3/1/2017	Ag-108m	-3.59E-01	8.23E-01	2.35E+00	U
WD	LTW	417740025	3/1/2017	Ag-110m	-3.14E-01	1.04E+00	3.20E+00	U
WD	LTW	417740025	3/1/2017	Ba-140	-2.34E+00	4.37E+00	1.21E+01	U
WD	LTW	417740025	3/1/2017	Be-7	3.06E-01	7.39E+00	2.44E+01	U
WD	LTW	417740025	3/1/2017	BETA	1.84E+00	1.14E+00	3.41E+00	U
WD	LTW	417740025	3/1/2017	Ce-141	-9.36E-01	1.79E+00	4.79E+00	U
WD	LTW	417740025	3/1/2017	Ce-144	5.87E+00	6.57E+00	2.09E+01	U
WD	LTW	417740025	3/1/2017	Co-57	-8.34E-02	8.11E-01	2.55E+00	U
WD	LTW	417740025	3/1/2017	Co-58	-1.62E-02	8.77E-01	2.80E+00	U
WD	LTW	417740025	3/1/2017	Co-60	-9.81E-01	1.14E+00	3.01E+00	U
WD	LTW	417740025	3/1/2017	Cr-51	9.40E+00	8.07E+00	2.74E+01	U
WD	LTW	417740025	3/1/2017	Cs-134	-4.14E-01	9.85E-01	2.88E+00	U
WD	LTW	417740025	3/1/2017	Cs-137	5.51E-01	7.93E-01	2.67E+00	U
WD	LTW	417740025	3/1/2017	Fe-59	-1.04E-01	1.37E+00	4.56E+00	U
WD	LTW	417740025	3/1/2017	I-131	7.19E-01	1.30E+00	4.44E+00	U
WD	LTW	417740025	3/1/2017	K-40	1.89E+01	1.66E+01	2.80E+01	U
WD	LTW	417740025	3/1/2017	La-140	-8.87E-01	1.27E+00	3.77E+00	U
WD	LTW	417740025	3/1/2017	Mn-54	-2.38E-02	7.95E-01	2.53E+00	U
WD	LTW	417740025	3/1/2017	Nb-95	7.18E-02	8.96E-01	2.89E+00	U
WD	LTW	417740025	3/1/2017	Ru-103	-1.53E+00	1.01E+00	2.39E+00	U
WD	LTW	417740025	3/1/2017	Ru-106	1.93E+01	8.95E+00	2.89E+01	U
WD	LTW	417740025	3/1/2017	Sb-124	3.69E-01	1.82E+00	6.09E+00	U
WD	LTW	417740025	3/1/2017	Sb-125	4.30E+00	2.18E+00	7.26E+00	U
WD	LTW	417740025	3/1/2017	Se-75	-2.30E-01	1.08E+00	3.63E+00	U
WD	LTW	417740025	3/1/2017	Th-228	4.30E+00	3.25E+00	6.52E+00	U
WD	LTW	417740025	3/1/2017	Zn-65	3.65E-01	1.45E+00	4.46E+00	U
WD	LTW	417740025	3/1/2017	Zr-95	1.74E+00	1.48E+00	5.00E+00	U
WD	LTW	417740026	3/1/2017	I-131	1.80E-01	2.45E-01	7.49E-01	U
WD	STJ	418792023	3/15/2017	Ac-228	7.22E+00	9.67E+00	1.81E+01	U
WD	STJ	418792023	3/15/2017	Ag-108m	2.09E-01	9.87E-01	3.41E+00	U
WD	STJ	418792023	3/15/2017	Ag-110m	9.65E-01	1.77E+00	5.43E+00	U
WD	STJ	418792023	3/15/2017	Ba-140	7.24E+00	5.54E+00	1.95E+01	U
WD	STJ	418792023	3/15/2017	Be-7	1.27E+01	9.26E+00	3.29E+01	U
WD	STJ	418792023	3/15/2017	BETA	-2.41E-01	6.27E-01	2.12E+00	U
WD	STJ	418792023	3/15/2017	Ce-141	-3.03E+00	2.19E+00	6.14E+00	U
WD	STJ	418792023	3/15/2017	Ce-144	3.44E+00	6.76E+00	2.29E+01	U
WD	STJ	418792023	3/15/2017	Co-57	-3.00E-01	8.61E-01	2.82E+00	U
WD	STJ	418792023	3/15/2017	Co-58	-3.14E-01	9.84E-01	3.08E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	418792023	3/15/2017	Co-60	-1.03E+00	9.19E-01	2.39E+00	U
WD	STJ	418792023	3/15/2017	Cr-51	1.07E+01	9.86E+00	3.26E+01	U
WD	STJ	418792023	3/15/2017	Cs-134	-4.67E-01	1.19E+00	3.73E+00	U
WD	STJ	418792023	3/15/2017	Cs-137	3.16E-01	1.36E+00	4.13E+00	U
WD	STJ	418792023	3/15/2017	Fe-59	-5.40E-01	2.01E+00	6.12E+00	U
WD	STJ	418792023	3/15/2017	I-131	-1.90E+00	2.15E+00	6.14E+00	U
WD	STJ	418792023	3/15/2017	K-40	-8.75E+00	1.65E+01	5.19E+01	U
WD	STJ	418792023	3/15/2017	La-140	2.93E-02	1.38E+00	4.58E+00	U
WD	STJ	418792023	3/15/2017	Mn-54	1.10E+00	9.95E-01	3.52E+00	U
WD	STJ	418792023	3/15/2017	Nb-95	8.00E+00	2.30E+00	2.24E+00	UI
WD	STJ	418792023	3/15/2017	Ru-103	-6.32E-01	9.99E-01	3.17E+00	U
WD	STJ	418792023	3/15/2017	Ru-106	-1.11E+01	9.83E+00	2.82E+01	U
WD	STJ	418792023	3/15/2017	Sb-124	-3.21E+00	2.91E+00	7.55E+00	U
WD	STJ	418792023	3/15/2017	Sb-125	-6.55E-01	2.82E+00	9.47E+00	U
WD	STJ	418792023	3/15/2017	Se-75	8.50E-01	1.45E+00	4.77E+00	U
WD	STJ	418792023	3/15/2017	Th-228	1.66E+00	3.14E+00	7.94E+00	U
WD	STJ	418792023	3/15/2017	Zn-65	2.79E+00	2.70E+00	9.27E+00	U
WD	STJ	418792023	3/15/2017	Zr-95	1.60E+00	1.67E+00	5.76E+00	U
WD	STJ	418792024	3/15/2017	I-131	-3.89E-01	2.27E-01	8.34E-01	U
WD	LTW	418792025	3/15/2017	Ac-228	8.95E+00	5.32E+00	1.89E+01	U
WD	LTW	418792025	3/15/2017	Ag-108m	1.31E+00	1.24E+00	4.19E+00	U
WD	LTW	418792025	3/15/2017	Ag-110m	1.55E+00	1.77E+00	6.27E+00	U
WD	LTW	418792025	3/15/2017	Ba-140	-3.28E+00	6.16E+00	1.88E+01	U
WD	LTW	418792025	3/15/2017	Be-7	1.10E+01	1.23E+01	4.13E+01	U
WD	LTW	418792025	3/15/2017	BETA	1.39E+00	1.01E+00	2.97E+00	U
WD	LTW	418792025	3/15/2017	Ce-141	-4.73E-01	2.27E+00	6.81E+00	U
WD	LTW	418792025	3/15/2017	Ce-144	4.46E+00	8.60E+00	2.95E+01	U
WD	LTW	418792025	3/15/2017	Co-57	-1.24E+00	1.09E+00	3.37E+00	U
WD	LTW	418792025	3/15/2017	Co-58	-1.95E+00	1.46E+00	3.40E+00	U
WD	LTW	418792025	3/15/2017	Co-60	-1.16E-01	1.36E+00	4.45E+00	U
WD	LTW	418792025	3/15/2017	Cr-51	1.12E+01	1.11E+01	3.76E+01	U
WD	LTW	418792025	3/15/2017	Cs-134	3.19E+00	1.67E+00	5.09E+00	U
WD	LTW	418792025	3/15/2017	Cs-137	-1.38E+00	1.51E+00	4.33E+00	U
WD	LTW	418792025	3/15/2017	Fe-59	-1.49E+00	2.66E+00	7.57E+00	U
WD	LTW	418792025	3/15/2017	I-131	6.19E-01	2.15E+00	7.14E+00	U
WD	LTW	418792025	3/15/2017	K-40	-2.37E+01	2.10E+01	6.01E+01	U
WD	LTW	418792025	3/15/2017	La-140	2.84E-01	1.53E+00	5.17E+00	U
WD	LTW	418792025	3/15/2017	Mn-54	-1.19E-01	1.01E+00	2.96E+00	U
WD	LTW	418792025	3/15/2017	Nb-95	1.09E-01	1.30E+00	3.95E+00	U
WD	LTW	418792025	3/15/2017	Ru-103	8.13E-01	1.36E+00	4.54E+00	U
WD	LTW	418792025	3/15/2017	Ru-106	-4.83E+00	9.84E+00	2.96E+01	U
WD	LTW	418792025	3/15/2017	Sb-124	-2.03E+00	3.48E+00	1.03E+01	U
WD	LTW	418792025	3/15/2017	Sb-125	-2.12E+00	3.58E+00	1.11E+01	U
WD	LTW	418792025	3/15/2017	Se-75	1.27E+00	1.61E+00	5.46E+00	U
WD	LTW	418792025	3/15/2017	Th-228	8.68E+00	5.17E+00	9.96E+00	U
WD	LTW	418792025	3/15/2017	Zn-65	2.71E+00	2.75E+00	9.00E+00	U
WD	LTW	418792025	3/15/2017	Zr-95	-5.72E+00	2.70E+00	5.34E+00	U
WD	LTW	418792026	3/15/2017	I-131	-1.36E-01	2.53E-01	8.56E-01	U
WD	STJ	419655023	3/29/2017	Ac-228	4.08E-01	3.72E+00	1.06E+01	U
WD	STJ	419655023	3/29/2017	Ag-108m	3.74E-01	6.59E-01	2.23E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	419655023	3/29/2017	Ag-110m	-7.68E-01	1.02E+00	3.22E+00	U
WD	STJ	419655023	3/29/2017	Ba-140	6.28E-01	3.99E+00	1.32E+01	U
WD	STJ	419655023	3/29/2017	Be-7	-6.21E+00	7.56E+00	2.05E+01	U
WD	STJ	419655023	3/29/2017	BETA	1.13E+00	4.01E-01	1.20E+00	U
WD	STJ	419655023	3/29/2017	Ce-141	-1.67E+00	1.75E+00	4.75E+00	U
WD	STJ	419655023	3/29/2017	Ce-144	-5.96E-01	5.03E+00	1.61E+01	U
WD	STJ	419655023	3/29/2017	Co-57	4.03E-01	6.90E-01	2.25E+00	U
WD	STJ	419655023	3/29/2017	Co-58	9.48E-01	7.61E-01	2.68E+00	U
WD	STJ	419655023	3/29/2017	Co-60	-1.53E+00	1.09E+00	2.48E+00	U
WD	STJ	419655023	3/29/2017	Cr-51	1.53E+00	7.38E+00	2.51E+01	U
WD	STJ	419655023	3/29/2017	Cs-134	-1.65E+00	1.21E+00	2.85E+00	U
WD	STJ	419655023	3/29/2017	Cs-137	-5.91E-01	8.02E-01	2.41E+00	U
WD	STJ	419655023	3/29/2017	Fe-59	2.55E-01	1.40E+00	4.71E+00	U
WD	STJ	419655023	3/29/2017	I-131	-4.61E-01	1.65E+00	4.30E+00	U
WD	STJ	419655023	3/29/2017	K-40	1.80E+01	1.38E+01	2.73E+01	U
WD	STJ	419655023	3/29/2017	La-140	1.36E+00	1.40E+00	4.82E+00	U
WD	STJ	419655023	3/29/2017	Mn-54	1.98E+00	8.54E-01	2.84E+00	U
WD	STJ	419655023	3/29/2017	Nb-95	1.22E+00	8.52E-01	2.83E+00	U
WD	STJ	419655023	3/29/2017	Ru-103	1.46E+00	9.69E-01	2.96E+00	U
WD	STJ	419655023	3/29/2017	Ru-106	3.31E+00	6.91E+00	2.29E+01	U
WD	STJ	419655023	3/29/2017	Sb-124	4.95E-01	1.53E+00	5.09E+00	U
WD	STJ	419655023	3/29/2017	Sb-125	5.15E+00	4.58E+00	7.87E+00	U
WD	STJ	419655023	3/29/2017	Se-75	-9.83E-01	1.02E+00	3.29E+00	U
WD	STJ	419655023	3/29/2017	Th-228	6.68E+00	3.23E+00	5.76E+00	UI
WD	STJ	419655023	3/29/2017	Zn-65	-2.23E+00	1.57E+00	4.26E+00	U
WD	STJ	419655023	3/29/2017	Zr-95	-3.03E-01	1.50E+00	4.13E+00	U
WD	STJ	419655024	3/29/2017	I-131	-1.35E-01	1.21E-01	4.09E-01	U
WD	LTW	419655025	3/29/2017	Ac-228	5.03E+00	7.44E+00	1.09E+01	U
WD	LTW	419655025	3/29/2017	Ag-108m	-6.39E-01	7.83E-01	2.47E+00	U
WD	LTW	419655025	3/29/2017	Ag-110m	-9.09E-02	1.25E+00	4.18E+00	U
WD	LTW	419655025	3/29/2017	Ba-140	-8.13E-01	4.01E+00	1.30E+01	U
WD	LTW	419655025	3/29/2017	Be-7	1.27E+01	8.19E+00	2.73E+01	U
WD	LTW	419655025	3/29/2017	BETA	1.22E+00	4.37E-01	1.32E+00	U
WD	LTW	419655025	3/29/2017	Ce-141	-3.38E+00	1.81E+00	4.16E+00	U
WD	LTW	419655025	3/29/2017	Ce-144	5.85E+00	4.88E+00	1.62E+01	U
WD	LTW	419655025	3/29/2017	Co-57	4.87E-02	5.83E-01	1.96E+00	U
WD	LTW	419655025	3/29/2017	Co-58	1.59E-01	9.04E-01	3.09E+00	U
WD	LTW	419655025	3/29/2017	Co-60	-9.12E-01	1.04E+00	3.10E+00	U
WD	LTW	419655025	3/29/2017	Cr-51	4.05E+00	7.68E+00	2.42E+01	U
WD	LTW	419655025	3/29/2017	Cs-134	2.05E+00	1.08E+00	3.67E+00	U
WD	LTW	419655025	3/29/2017	Cs-137	-1.80E-01	9.99E-01	2.81E+00	U
WD	LTW	419655025	3/29/2017	Fe-59	-1.90E+00	2.18E+00	6.62E+00	U
WD	LTW	419655025	3/29/2017	I-131	-1.60E+00	1.49E+00	4.69E+00	U
WD	LTW	419655025	3/29/2017	K-40	-1.51E+01	1.47E+01	4.36E+01	U
WD	LTW	419655025	3/29/2017	La-140	-1.80E+00	1.66E+00	4.86E+00	U
WD	LTW	419655025	3/29/2017	Mn-54	-4.45E-01	8.59E-01	2.79E+00	U
WD	LTW	419655025	3/29/2017	Nb-95	-1.47E+00	1.01E+00	2.67E+00	U
WD	LTW	419655025	3/29/2017	Ru-103	-1.71E+00	1.05E+00	2.93E+00	U
WD	LTW	419655025	3/29/2017	Ru-106	1.56E-01	7.74E+00	2.51E+01	U
WD	LTW	419655025	3/29/2017	Sb-124	-1.03E+00	2.12E+00	6.67E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	419655025	3/29/2017	Sb-125	-1.08E+00	2.42E+00	7.92E+00	U
WD	LTW	419655025	3/29/2017	Se-75	4.93E-01	1.18E+00	3.75E+00	U
WD	LTW	419655025	3/29/2017	Th-228	-1.47E+00	2.14E+00	5.41E+00	U
WD	LTW	419655025	3/29/2017	Zn-65	-1.89E+00	2.48E+00	5.52E+00	U
WD	LTW	419655025	3/29/2017	Zr-95	8.49E-01	1.69E+00	5.53E+00	U
WD	LTW	419655026	3/29/2017	I-131	-5.55E-02	1.63E-01	5.39E-01	U
WD	STJ	423180001	3/29/2017	H-3	1.62E+02	1.37E+02	4.29E+02	U
WD	LTW	423180002	3/29/2017	H-3	2.34E+02	1.39E+02	4.23E+02	U
WD	STJ	420768023	4/12/2017	Ac-228	4.46E+00	6.26E+00	2.02E+01	U
WD	STJ	420768023	4/12/2017	Ag-108m	9.36E-01	1.16E+00	4.01E+00	U
WD	STJ	420768023	4/12/2017	Ag-110m	-5.97E-02	1.68E+00	5.38E+00	U
WD	STJ	420768023	4/12/2017	Ba-140	1.13E+01	6.66E+00	2.31E+01	U
WD	STJ	420768023	4/12/2017	Be-7	3.76E+00	1.15E+01	3.87E+01	U
WD	STJ	420768023	4/12/2017	BETA	1.15E+00	7.34E-01	1.99E+00	U
WD	STJ	420768023	4/12/2017	Ce-141	2.32E+00	3.32E+00	7.18E+00	U
WD	STJ	420768023	4/12/2017	Ce-144	8.29E+00	9.05E+00	3.14E+01	U
WD	STJ	420768023	4/12/2017	Co-57	-2.82E-01	1.14E+00	3.87E+00	U
WD	STJ	420768023	4/12/2017	Co-58	1.99E+00	1.41E+00	4.95E+00	U
WD	STJ	420768023	4/12/2017	Co-60	3.58E-01	1.38E+00	4.78E+00	U
WD	STJ	420768023	4/12/2017	Cr-51	9.25E+00	1.16E+01	4.00E+01	U
WD	STJ	420768023	4/12/2017	Cs-134	5.46E+00	1.78E+00	4.74E+00	UI
WD	STJ	420768023	4/12/2017	Cs-137	2.19E+00	1.51E+00	5.26E+00	U
WD	STJ	420768023	4/12/2017	Fe-59	-2.72E+00	2.43E+00	6.05E+00	U
WD	STJ	420768023	4/12/2017	I-131	-3.63E-01	2.18E+00	7.19E+00	U
WD	STJ	420768023	4/12/2017	K-40	-1.00E+01	2.23E+01	7.86E+01	U
WD	STJ	420768023	4/12/2017	La-140	2.91E+00	1.48E+00	6.13E+00	U
WD	STJ	420768023	4/12/2017	Mn-54	1.66E+00	1.39E+00	4.83E+00	U
WD	STJ	420768023	4/12/2017	Nb-95	7.43E-01	1.44E+00	4.86E+00	U
WD	STJ	420768023	4/12/2017	Ru-103	-1.72E+00	1.50E+00	4.35E+00	U
WD	STJ	420768023	4/12/2017	Ru-106	-5.57E+00	1.16E+01	3.61E+01	U
WD	STJ	420768023	4/12/2017	Sb-124	-1.74E+00	3.00E+00	8.97E+00	U
WD	STJ	420768023	4/12/2017	Sb-125	6.66E+00	3.69E+00	1.27E+01	U
WD	STJ	420768023	4/12/2017	Se-75	2.51E+00	2.02E+00	5.42E+00	U
WD	STJ	420768023	4/12/2017	Th-228	2.74E+00	2.89E+00	9.89E+00	U
WD	STJ	420768023	4/12/2017	Zn-65	2.05E-01	2.46E+00	7.89E+00	U
WD	STJ	420768023	4/12/2017	Zr-95	2.15E+00	2.35E+00	8.14E+00	U
WD	STJ	420768024	4/12/2017	I-131	-4.09E-01	1.72E-01	7.22E-01	U
WD	LTW	420768025	4/12/2017	Ac-228	7.14E+00	7.66E+00	1.69E+01	U
WD	LTW	420768025	4/12/2017	Ag-108m	1.41E+00	9.41E-01	3.28E+00	U
WD	LTW	420768025	4/12/2017	Ag-110m	8.81E-01	1.23E+00	4.24E+00	U
WD	LTW	420768025	4/12/2017	Ba-140	2.08E-01	4.37E+00	1.47E+01	U
WD	LTW	420768025	4/12/2017	Be-7	3.56E+01	2.30E+01	2.78E+01	UI
WD	LTW	420768025	4/12/2017	BETA	5.46E-01	9.28E-01	2.89E+00	U
WD	LTW	420768025	4/12/2017	Ce-141	-1.15E+00	2.09E+00	5.96E+00	U
WD	LTW	420768025	4/12/2017	Ce-144	-5.59E+00	7.82E+00	2.42E+01	U
WD	LTW	420768025	4/12/2017	Co-57	-5.75E-01	1.01E+00	3.16E+00	U
WD	LTW	420768025	4/12/2017	Co-58	-7.42E-01	1.09E+00	3.32E+00	U
WD	LTW	420768025	4/12/2017	Co-60	-2.88E+00	1.25E+00	2.32E+00	U
WD	LTW	420768025	4/12/2017	Cr-51	1.64E+01	9.89E+00	3.41E+01	U
WD	LTW	420768025	4/12/2017	Cs-134	1.17E+00	1.13E+00	3.94E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	420768025	4/12/2017	Cs-137	-9.52E-02	1.04E+00	3.06E+00	U
WD	LTW	420768025	4/12/2017	Fe-59	4.35E+00	2.51E+00	8.64E+00	U
WD	LTW	420768025	4/12/2017	I-131	1.63E+00	1.93E+00	6.72E+00	U
WD	LTW	420768025	4/12/2017	K-40	1.92E+01	1.87E+01	2.40E+01	U
WD	LTW	420768025	4/12/2017	La-140	1.08E+00	1.74E+00	6.17E+00	U
WD	LTW	420768025	4/12/2017	Mn-54	9.74E-01	8.45E-01	2.81E+00	U
WD	LTW	420768025	4/12/2017	Nb-95	-2.01E+00	1.15E+00	3.01E+00	U
WD	LTW	420768025	4/12/2017	Ru-103	-2.07E+00	1.15E+00	3.03E+00	U
WD	LTW	420768025	4/12/2017	Ru-106	5.75E+00	8.81E+00	3.05E+01	U
WD	LTW	420768025	4/12/2017	Sb-124	7.79E-01	1.69E+00	6.09E+00	U
WD	LTW	420768025	4/12/2017	Sb-125	3.45E+00	5.35E+00	1.07E+01	U
WD	LTW	420768025	4/12/2017	Se-75	-1.02E-01	1.39E+00	4.33E+00	U
WD	LTW	420768025	4/12/2017	Th-228	3.83E-01	3.37E+00	8.18E+00	U
WD	LTW	420768025	4/12/2017	Zn-65	-3.01E+00	2.70E+00	6.18E+00	U
WD	LTW	420768025	4/12/2017	Zr-95	-3.55E+00	1.91E+00	4.47E+00	U
WD	LTW	420768026	4/12/2017	I-131	-1.64E-01	2.04E-01	7.15E-01	U
WD	STJ	421995023	4/26/2017	Ac-228	-3.12E+00	3.99E+00	1.21E+01	U
WD	STJ	421995023	4/26/2017	Ag-108m	6.57E-01	6.40E-01	2.20E+00	U
WD	STJ	421995023	4/26/2017	Ag-110m	-2.01E-02	1.10E+00	3.51E+00	U
WD	STJ	421995023	4/26/2017	Ba-140	-8.94E+00	4.60E+00	1.15E+01	U
WD	STJ	421995023	4/26/2017	Be-7	-6.73E+00	6.61E+00	2.01E+01	U
WD	STJ	421995023	4/26/2017	BETA	-7.47E-01	9.62E-01	3.30E+00	U
WD	STJ	421995023	4/26/2017	Ce-141	-7.20E-01	1.40E+00	4.38E+00	U
WD	STJ	421995023	4/26/2017	Ce-144	-8.12E-01	5.15E+00	1.65E+01	U
WD	STJ	421995023	4/26/2017	Co-57	-1.06E+00	7.27E-01	2.10E+00	U
WD	STJ	421995023	4/26/2017	Co-58	1.39E+00	8.40E-01	2.84E+00	U
WD	STJ	421995023	4/26/2017	Co-60	-5.97E-01	8.47E-01	2.60E+00	U
WD	STJ	421995023	4/26/2017	Cr-51	-8.14E+00	7.74E+00	2.45E+01	U
WD	STJ	421995023	4/26/2017	Cs-134	1.84E+00	1.33E+00	2.89E+00	U
WD	STJ	421995023	4/26/2017	Cs-137	-2.93E-01	7.99E-01	2.53E+00	U
WD	STJ	421995023	4/26/2017	Fe-59	3.43E-01	1.53E+00	5.25E+00	U
WD	STJ	421995023	4/26/2017	I-131	2.63E+00	1.77E+00	5.57E+00	U
WD	STJ	421995023	4/26/2017	K-40	-6.18E+00	1.24E+01	3.96E+01	U
WD	STJ	421995023	4/26/2017	La-140	3.52E-01	1.40E+00	4.57E+00	U
WD	STJ	421995023	4/26/2017	Mn-54	-1.94E-01	7.43E-01	2.32E+00	U
WD	STJ	421995023	4/26/2017	Nb-95	-7.08E-01	8.65E-01	2.57E+00	U
WD	STJ	421995023	4/26/2017	Ru-103	-4.47E-01	8.50E-01	2.72E+00	U
WD	STJ	421995023	4/26/2017	Ru-106	-1.86E+01	8.08E+00	1.78E+01	U
WD	STJ	421995023	4/26/2017	Sb-124	-1.66E+00	1.83E+00	5.11E+00	U
WD	STJ	421995023	4/26/2017	Sb-125	4.21E-01	1.98E+00	6.70E+00	U
WD	STJ	421995023	4/26/2017	Se-75	-1.54E+00	1.06E+00	2.85E+00	U
WD	STJ	421995023	4/26/2017	Th-228	-1.94E-01	1.93E+00	5.59E+00	U
WD	STJ	421995023	4/26/2017	Zn-65	0.00E+00	0.00E+00	4.79E+00	U
WD	STJ	421995023	4/26/2017	Zr-95	-7.72E-01	1.29E+00	3.90E+00	U
WD	STJ	421995024	4/26/2017	I-131	-1.14E-01	2.75E-01	9.13E-01	U
WD	LTW	421995025	4/26/2017	Ac-228	8.05E+00	3.88E+00	1.29E+01	U
WD	LTW	421995025	4/26/2017	Ag-108m	7.12E-01	7.05E-01	2.39E+00	U
WD	LTW	421995025	4/26/2017	Ag-110m	3.79E-01	9.99E-01	3.09E+00	U
WD	LTW	421995025	4/26/2017	Ba-140	3.84E+00	4.50E+00	1.52E+01	U
WD	LTW	421995025	4/26/2017	Be-7	2.87E+00	6.71E+00	2.25E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	421995025	4/26/2017	BETA	2.25E+00	1.25E+00	3.56E+00	U
WD	LTW	421995025	4/26/2017	Ce-141	-1.73E+00	1.51E+00	4.47E+00	U
WD	LTW	421995025	4/26/2017	Ce-144	-3.76E+00	5.41E+00	1.67E+01	U
WD	LTW	421995025	4/26/2017	Co-57	1.76E-01	6.88E-01	2.24E+00	U
WD	LTW	421995025	4/26/2017	Co-58	4.66E-01	7.59E-01	2.50E+00	U
WD	LTW	421995025	4/26/2017	Co-60	6.24E-01	8.83E-01	3.02E+00	U
WD	LTW	421995025	4/26/2017	Cr-51	1.70E+01	8.67E+00	2.74E+01	U
WD	LTW	421995025	4/26/2017	Cs-134	9.55E-01	9.47E-01	3.13E+00	U
WD	LTW	421995025	4/26/2017	Cs-137	-2.01E+00	9.53E-01	2.21E+00	U
WD	LTW	421995025	4/26/2017	Fe-59	4.79E+00	2.03E+00	6.68E+00	U
WD	LTW	421995025	4/26/2017	I-131	5.56E-01	1.74E+00	5.65E+00	U
WD	LTW	421995025	4/26/2017	K-40	2.32E+01	1.60E+01	2.55E+01	U
WD	LTW	421995025	4/26/2017	La-140	4.24E-02	1.51E+00	4.27E+00	U
WD	LTW	421995025	4/26/2017	Mn-54	3.61E-01	7.37E-01	2.56E+00	U
WD	LTW	421995025	4/26/2017	Nb-95	6.63E-01	8.19E-01	2.71E+00	U
WD	LTW	421995025	4/26/2017	Ru-103	1.14E+00	8.61E-01	2.68E+00	U
WD	LTW	421995025	4/26/2017	Ru-106	3.12E+00	7.15E+00	2.36E+01	U
WD	LTW	421995025	4/26/2017	Sb-124	1.99E+00	1.80E+00	6.33E+00	U
WD	LTW	421995025	4/26/2017	Sb-125	3.09E+00	2.29E+00	7.70E+00	U
WD	LTW	421995025	4/26/2017	Se-75	1.15E+00	1.11E+00	3.68E+00	U
WD	LTW	421995025	4/26/2017	Th-228	-1.19E+00	1.90E+00	5.58E+00	U
WD	LTW	421995025	4/26/2017	Zn-65	2.32E-01	1.50E+00	5.03E+00	U
WD	LTW	421995025	4/26/2017	Zr-95	-9.30E-01	1.58E+00	4.77E+00	U
WD	LTW	421995026	4/26/2017	I-131	6.56E-01	2.60E-01	8.09E-01	U
WD	STJ	423047023	5/10/2017	Ac-228	-4.65E+00	6.48E+00	2.02E+01	U
WD	STJ	423047023	5/10/2017	Ag-108m	1.04E+00	1.09E+00	3.72E+00	U
WD	STJ	423047023	5/10/2017	Ag-110m	-9.69E-01	1.62E+00	5.07E+00	U
WD	STJ	423047023	5/10/2017	Ba-140	3.54E+00	5.28E+00	1.79E+01	U
WD	STJ	423047023	5/10/2017	Be-7	8.16E+00	1.01E+01	3.42E+01	U
WD	STJ	423047023	5/10/2017	BETA	1.89E+00	1.21E+00	3.30E+00	U
WD	STJ	423047023	5/10/2017	Ce-141	-6.98E+00	2.98E+00	5.89E+00	U
WD	STJ	423047023	5/10/2017	Ce-144	-4.92E+00	9.09E+00	2.75E+01	U
WD	STJ	423047023	5/10/2017	Co-57	-2.67E+00	1.31E+00	3.19E+00	U
WD	STJ	423047023	5/10/2017	Co-58	-9.17E-01	9.78E-01	2.86E+00	U
WD	STJ	423047023	5/10/2017	Co-60	2.62E-01	1.02E+00	3.45E+00	U
WD	STJ	423047023	5/10/2017	Cr-51	3.05E+00	1.11E+01	3.74E+01	U
WD	STJ	423047023	5/10/2017	Cs-134	3.18E+00	1.49E+00	4.75E+00	U
WD	STJ	423047023	5/10/2017	Cs-137	1.59E+00	1.24E+00	4.26E+00	U
WD	STJ	423047023	5/10/2017	Fe-59	2.80E+00	2.38E+00	8.03E+00	U
WD	STJ	423047023	5/10/2017	I-131	-1.16E+00	2.02E+00	6.38E+00	U
WD	STJ	423047023	5/10/2017	K-40	-1.76E+00	1.81E+01	6.10E+01	U
WD	STJ	423047023	5/10/2017	La-140	1.31E+00	2.06E+00	7.14E+00	U
WD	STJ	423047023	5/10/2017	Mn-54	-1.36E-01	1.02E+00	3.40E+00	U
WD	STJ	423047023	5/10/2017	Nb-95	1.57E+00	1.15E+00	4.15E+00	U
WD	STJ	423047023	5/10/2017	Ru-103	7.06E-02	1.06E+00	3.47E+00	U
WD	STJ	423047023	5/10/2017	Ru-106	-1.34E+00	9.54E+00	3.00E+01	U
WD	STJ	423047023	5/10/2017	Sb-124	-1.40E+00	3.63E+00	1.17E+01	U
WD	STJ	423047023	5/10/2017	Sb-125	-1.31E+00	2.72E+00	8.49E+00	U
WD	STJ	423047023	5/10/2017	Se-75	2.85E+00	1.64E+00	5.54E+00	U
WD	STJ	423047023	5/10/2017	Th-228	2.67E+00	3.91E+00	8.09E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	423047023	5/10/2017	Zn-65	-2.08E-01	2.31E+00	6.57E+00	U
WD	STJ	423047023	5/10/2017	Zr-95	3.94E-01	1.94E+00	6.68E+00	U
WD	STJ	423047024	5/10/2017	I-131	3.65E-01	2.25E-01	7.19E-01	U
WD	LTW	423047025	5/10/2017	Ac-228	8.07E-02	5.76E+00	1.93E+01	U
WD	LTW	423047025	5/10/2017	Ag-108m	-5.81E-01	8.57E-01	2.74E+00	U
WD	LTW	423047025	5/10/2017	Ag-110m	3.52E-01	9.77E-01	3.34E+00	U
WD	LTW	423047025	5/10/2017	Ba-140	-4.57E+00	4.50E+00	1.32E+01	U
WD	LTW	423047025	5/10/2017	Be-7	5.04E+00	8.42E+00	2.96E+01	U
WD	LTW	423047025	5/10/2017	BETA	1.33E+00	8.42E-01	2.26E+00	U
WD	LTW	423047025	5/10/2017	Ce-141	4.28E-01	2.79E+00	5.41E+00	U
WD	LTW	423047025	5/10/2017	Ce-144	-4.35E+00	6.18E+00	1.95E+01	U
WD	LTW	423047025	5/10/2017	Co-57	1.21E+00	8.96E-01	3.05E+00	U
WD	LTW	423047025	5/10/2017	Co-58	4.31E-01	9.10E-01	3.12E+00	U
WD	LTW	423047025	5/10/2017	Co-60	1.48E+00	1.01E+00	3.84E+00	U
WD	LTW	423047025	5/10/2017	Cr-51	6.70E+00	1.01E+01	3.30E+01	U
WD	LTW	423047025	5/10/2017	Cs-134	-7.82E-01	1.24E+00	3.85E+00	U
WD	LTW	423047025	5/10/2017	Cs-137	8.11E-01	1.26E+00	4.34E+00	U
WD	LTW	423047025	5/10/2017	Fe-59	2.30E+00	2.40E+00	8.26E+00	U
WD	LTW	423047025	5/10/2017	I-131	1.31E-01	1.85E+00	5.80E+00	U
WD	LTW	423047025	5/10/2017	K-40	1.14E+01	1.57E+01	2.42E+01	U
WD	LTW	423047025	5/10/2017	La-140	-1.92E+00	1.89E+00	5.15E+00	U
WD	LTW	423047025	5/10/2017	Mn-54	1.28E-02	1.06E+00	3.82E+00	U
WD	LTW	423047025	5/10/2017	Nb-95	-2.95E-01	1.19E+00	3.69E+00	U
WD	LTW	423047025	5/10/2017	Ru-103	-1.24E+00	1.13E+00	3.39E+00	U
WD	LTW	423047025	5/10/2017	Ru-106	-7.38E+00	9.97E+00	3.05E+01	U
WD	LTW	423047025	5/10/2017	Sb-124	-2.62E-01	2.52E+00	8.14E+00	U
WD	LTW	423047025	5/10/2017	Sb-125	4.35E-01	2.55E+00	8.84E+00	U
WD	LTW	423047025	5/10/2017	Se-75	-1.26E+00	1.46E+00	4.30E+00	U
WD	LTW	423047025	5/10/2017	Th-228	1.59E-01	2.32E+00	7.04E+00	U
WD	LTW	423047025	5/10/2017	Zn-65	5.35E+00	1.81E+00	6.39E+00	U
WD	LTW	423047025	5/10/2017	Zr-95	-1.84E+00	2.02E+00	5.85E+00	U
WD	LTW	423047026	5/10/2017	I-131	-3.20E-03	1.90E-01	6.26E-01	U
WD	STJ	424160023	5/24/2017	Ac-228	-8.13E-01	4.25E+00	1.29E+01	U
WD	STJ	424160023	5/24/2017	Ag-108m	-7.11E-01	7.32E-01	2.21E+00	U
WD	STJ	424160023	5/24/2017	Ag-110m	1.01E+00	1.28E+00	4.42E+00	U
WD	STJ	424160023	5/24/2017	Ba-140	6.90E+00	4.29E+00	1.52E+01	U
WD	STJ	424160023	5/24/2017	Be-7	4.76E-01	7.74E+00	2.62E+01	U
WD	STJ	424160023	5/24/2017	BETA	1.22E+00	1.16E+00	3.55E+00	U
WD	STJ	424160023	5/24/2017	Ce-141	-2.56E-01	1.58E+00	5.06E+00	U
WD	STJ	424160023	5/24/2017	Ce-144	-8.12E+00	6.02E+00	1.70E+01	U
WD	STJ	424160023	5/24/2017	Co-57	-1.59E-01	6.96E-01	2.24E+00	U
WD	STJ	424160023	5/24/2017	Co-58	-1.83E-01	9.18E-01	2.92E+00	U
WD	STJ	424160023	5/24/2017	Co-60	2.27E+00	1.06E+00	3.91E+00	U
WD	STJ	424160023	5/24/2017	Cr-51	-1.07E+01	7.98E+00	2.37E+01	U
WD	STJ	424160023	5/24/2017	Cs-134	6.11E-01	8.96E-01	3.12E+00	U
WD	STJ	424160023	5/24/2017	Cs-137	-1.63E+00	9.47E-01	2.24E+00	U
WD	STJ	424160023	5/24/2017	Fe-59	-2.57E+00	2.14E+00	5.41E+00	U
WD	STJ	424160023	5/24/2017	I-131	7.06E-01	1.43E+00	5.01E+00	U
WD	STJ	424160023	5/24/2017	K-40	-2.58E+01	1.46E+01	3.94E+01	U
WD	STJ	424160023	5/24/2017	La-140	2.12E-01	1.24E+00	4.24E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	424160023	5/24/2017	Mn-54	3.85E-01	9.97E-01	3.35E+00	U
WD	STJ	424160023	5/24/2017	Nb-95	-1.80E-01	8.82E-01	2.49E+00	U
WD	STJ	424160023	5/24/2017	Ru-103	1.81E+00	1.05E+00	3.64E+00	U
WD	STJ	424160023	5/24/2017	Ru-106	4.72E+00	7.80E+00	2.71E+01	U
WD	STJ	424160023	5/24/2017	Sb-124	-2.09E+00	1.88E+00	4.51E+00	U
WD	STJ	424160023	5/24/2017	Sb-125	2.20E-01	2.50E+00	8.53E+00	U
WD	STJ	424160023	5/24/2017	Se-75	-9.39E-01	1.39E+00	3.96E+00	U
WD	STJ	424160023	5/24/2017	Th-228	-1.69E+00	2.23E+00	6.93E+00	U
WD	STJ	424160023	5/24/2017	Zn-65	3.42E+00	2.44E+00	8.50E+00	U
WD	STJ	424160023	5/24/2017	Zr-95	-2.51E+00	1.45E+00	3.08E+00	U
WD	STJ	424160024	5/24/2017	I-131	-2.16E-01	1.94E-01	6.71E-01	U
WD	LTW	424160025	5/24/2017	Ac-228	3.98E+00	5.07E+00	1.88E+01	U
WD	LTW	424160025	5/24/2017	Ag-108m	-4.78E-01	9.76E-01	3.07E+00	U
WD	LTW	424160025	5/24/2017	Ag-110m	2.44E+00	1.67E+00	5.81E+00	U
WD	LTW	424160025	5/24/2017	Ba-140	8.97E+00	7.43E+00	1.91E+01	U
WD	LTW	424160025	5/24/2017	Be-7	1.42E-01	1.05E+01	3.45E+01	U
WD	LTW	424160025	5/24/2017	BETA	1.82E+00	1.17E+00	3.50E+00	U
WD	LTW	424160025	5/24/2017	Ce-141	1.87E+00	2.35E+00	7.85E+00	U
WD	LTW	424160025	5/24/2017	Ce-144	2.85E+00	8.75E+00	2.76E+01	U
WD	LTW	424160025	5/24/2017	Co-57	-2.10E-01	1.16E+00	3.58E+00	U
WD	LTW	424160025	5/24/2017	Co-58	-9.80E-01	1.03E+00	2.77E+00	U
WD	LTW	424160025	5/24/2017	Co-60	-3.11E-01	1.05E+00	3.33E+00	U
WD	LTW	424160025	5/24/2017	Cr-51	3.16E+00	9.65E+00	3.28E+01	U
WD	LTW	424160025	5/24/2017	Cs-134	-1.11E+00	1.17E+00	3.20E+00	U
WD	LTW	424160025	5/24/2017	Cs-137	-7.67E-01	1.15E+00	3.40E+00	U
WD	LTW	424160025	5/24/2017	Fe-59	2.50E+00	2.10E+00	7.21E+00	U
WD	LTW	424160025	5/24/2017	I-131	-1.25E-01	1.91E+00	5.95E+00	U
WD	LTW	424160025	5/24/2017	K-40	-3.08E+01	1.52E+01	3.67E+01	U
WD	LTW	424160025	5/24/2017	La-140	-4.10E-01	2.09E+00	6.71E+00	U
WD	LTW	424160025	5/24/2017	Mn-54	-1.09E+00	1.16E+00	3.19E+00	U
WD	LTW	424160025	5/24/2017	Nb-95	-5.46E-01	1.11E+00	3.33E+00	U
WD	LTW	424160025	5/24/2017	Ru-103	-3.91E-01	1.23E+00	3.91E+00	U
WD	LTW	424160025	5/24/2017	Ru-106	9.96E+00	1.08E+01	3.40E+01	U
WD	LTW	424160025	5/24/2017	Sb-124	-2.06E-01	2.30E+00	7.40E+00	U
WD	LTW	424160025	5/24/2017	Sb-125	-1.33E+00	3.08E+00	9.77E+00	U
WD	LTW	424160025	5/24/2017	Se-75	2.01E+00	1.62E+00	5.34E+00	U
WD	LTW	424160025	5/24/2017	Th-228	-2.21E+00	2.35E+00	7.33E+00	U
WD	LTW	424160025	5/24/2017	Zn-65	-4.83E+00	3.30E+00	7.20E+00	U
WD	LTW	424160025	5/24/2017	Zr-95	2.71E+00	2.63E+00	6.89E+00	U
WD	LTW	424160026	5/24/2017	I-131	3.29E-01	2.20E-01	6.48E-01	U
WD	STJ	425117023	6/7/2017	Ac-228	8.97E-01	3.66E+00	7.72E+00	U
WD	STJ	425117023	6/7/2017	Ag-108m	-6.58E-01	4.99E-01	1.47E+00	U
WD	STJ	425117023	6/7/2017	Ag-110m	-7.36E-01	6.74E-01	2.09E+00	U
WD	STJ	425117023	6/7/2017	Ba-140	2.16E+00	2.63E+00	8.59E+00	U
WD	STJ	425117023	6/7/2017	Be-7	4.27E+00	4.79E+00	1.56E+01	U
WD	STJ	425117023	6/7/2017	BETA	2.02E+00	1.03E+00	3.02E+00	U
WD	STJ	425117023	6/7/2017	Ce-141	-9.13E-01	9.61E-01	3.10E+00	U
WD	STJ	425117023	6/7/2017	Ce-144	-8.27E-01	3.51E+00	1.18E+01	U
WD	STJ	425117023	6/7/2017	Co-57	5.53E-02	4.59E-01	1.56E+00	U
WD	STJ	425117023	6/7/2017	Co-58	-3.06E-01	4.97E-01	1.63E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	425117023	6/7/2017	Co-60	6.36E-01	5.18E-01	1.77E+00	U
WD	STJ	425117023	6/7/2017	Cr-51	3.10E+00	5.35E+00	1.59E+01	U
WD	STJ	425117023	6/7/2017	Cs-134	6.21E-01	5.73E-01	1.97E+00	U
WD	STJ	425117023	6/7/2017	Cs-137	7.55E-01	5.70E-01	1.84E+00	U
WD	STJ	425117023	6/7/2017	Fe-59	-4.97E-01	9.76E-01	3.16E+00	U
WD	STJ	425117023	6/7/2017	I-131	-4.01E-01	8.25E-01	2.64E+00	U
WD	STJ	425117023	6/7/2017	K-40	1.84E+01	7.52E+00	2.33E+01	U
WD	STJ	425117023	6/7/2017	La-140	1.75E-01	7.98E-01	2.65E+00	U
WD	STJ	425117023	6/7/2017	Mn-54	-3.81E-01	4.72E-01	1.52E+00	U
WD	STJ	425117023	6/7/2017	Nb-95	7.76E-01	8.82E-01	1.75E+00	U
WD	STJ	425117023	6/7/2017	Ru-103	-6.04E-01	6.62E-01	1.78E+00	U
WD	STJ	425117023	6/7/2017	Ru-106	-4.47E+00	4.87E+00	1.46E+01	U
WD	STJ	425117023	6/7/2017	Sb-124	9.48E-01	1.29E+00	4.37E+00	U
WD	STJ	425117023	6/7/2017	Sb-125	-1.52E-01	1.43E+00	4.62E+00	U
WD	STJ	425117023	6/7/2017	Se-75	-7.33E-01	7.39E-01	2.20E+00	U
WD	STJ	425117023	6/7/2017	Th-228	-1.66E+00	1.78E+00	3.85E+00	U
WD	STJ	425117023	6/7/2017	Zn-65	-9.21E-01	1.05E+00	3.26E+00	U
WD	STJ	425117023	6/7/2017	Zr-95	1.51E+00	9.89E-01	3.17E+00	U
WD	STJ	425117024	6/7/2017	I-131	-1.95E-01	1.85E-01	6.55E-01	U
WD	LTW	425117025	6/7/2017	Ac-228	-3.03E+00	2.75E+00	7.43E+00	U
WD	LTW	425117025	6/7/2017	Ag-108m	5.64E-01	4.26E-01	1.42E+00	U
WD	LTW	425117025	6/7/2017	Ag-110m	8.12E-01	6.63E-01	2.17E+00	U
WD	LTW	425117025	6/7/2017	Ba-140	-7.25E-01	2.02E+00	6.54E+00	U
WD	LTW	425117025	6/7/2017	Be-7	3.17E+00	4.02E+00	1.35E+01	U
WD	LTW	425117025	6/7/2017	BETA	8.05E-01	9.44E-01	2.88E+00	U
WD	LTW	425117025	6/7/2017	Ce-141	-3.23E+00	1.38E+00	2.51E+00	U
WD	LTW	425117025	6/7/2017	Ce-144	-2.91E+00	3.58E+00	1.02E+01	U
WD	LTW	425117025	6/7/2017	Co-57	-4.31E-02	3.95E-01	1.28E+00	U
WD	LTW	425117025	6/7/2017	Co-58	2.30E-01	4.97E-01	1.62E+00	U
WD	LTW	425117025	6/7/2017	Co-60	-4.36E-01	5.76E-01	1.55E+00	U
WD	LTW	425117025	6/7/2017	Cr-51	-1.59E+00	3.99E+00	1.34E+01	U
WD	LTW	425117025	6/7/2017	Cs-134	6.83E-01	5.24E-01	1.72E+00	U
WD	LTW	425117025	6/7/2017	Cs-137	3.82E-01	5.37E-01	1.78E+00	U
WD	LTW	425117025	6/7/2017	Fe-59	8.95E-02	8.89E-01	3.01E+00	U
WD	LTW	425117025	6/7/2017	I-131	1.09E+00	7.23E-01	2.41E+00	U
WD	LTW	425117025	6/7/2017	K-40	-1.23E+01	1.02E+01	2.08E+01	U
WD	LTW	425117025	6/7/2017	La-140	6.75E-01	7.82E-01	2.65E+00	U
WD	LTW	425117025	6/7/2017	Mn-54	5.15E-03	4.60E-01	1.47E+00	U
WD	LTW	425117025	6/7/2017	Nb-95	-4.56E-01	5.91E-01	1.55E+00	U
WD	LTW	425117025	6/7/2017	Ru-103	4.99E-01	4.83E-01	1.48E+00	U
WD	LTW	425117025	6/7/2017	Ru-106	-8.59E+00	5.30E+00	1.29E+01	U
WD	LTW	425117025	6/7/2017	Sb-124	-7.59E-02	1.01E+00	3.27E+00	U
WD	LTW	425117025	6/7/2017	Sb-125	-7.95E-02	1.22E+00	4.09E+00	U
WD	LTW	425117025	6/7/2017	Se-75	2.30E-01	6.22E-01	1.95E+00	U
WD	LTW	425117025	6/7/2017	Th-228	-6.43E-01	1.46E+00	3.36E+00	U
WD	LTW	425117025	6/7/2017	Zn-65	2.20E+00	1.32E+00	2.94E+00	U
WD	LTW	425117025	6/7/2017	Zr-95	5.72E-01	8.29E-01	2.74E+00	U
WD	LTW	425117026	6/7/2017	I-131	-1.98E-01	1.93E-01	6.50E-01	U
WD	STJ	426245023	6/21/2017	Ac-228	3.74E+00	6.06E+00	1.02E+01	U
WD	STJ	426245023	6/21/2017	Ag-108m	3.21E-01	1.01E+00	3.40E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	426245023	6/21/2017	Ag-110m	-8.46E-02	1.18E+00	3.94E+00	U
WD	STJ	426245023	6/21/2017	Ba-140	-1.19E+00	6.70E+00	2.06E+01	U
WD	STJ	426245023	6/21/2017	Be-7	-8.39E+00	1.02E+01	3.07E+01	U
WD	STJ	426245023	6/21/2017	BETA	1.50E+00	8.64E-01	2.34E+00	U
WD	STJ	426245023	6/21/2017	Ce-141	-1.72E+00	2.32E+00	6.84E+00	U
WD	STJ	426245023	6/21/2017	Ce-144	1.70E+00	7.14E+00	2.31E+01	U
WD	STJ	426245023	6/21/2017	Co-57	1.09E+00	9.78E-01	3.20E+00	U
WD	STJ	426245023	6/21/2017	Co-58	-6.81E-01	8.26E-01	2.44E+00	U
WD	STJ	426245023	6/21/2017	Co-60	-6.03E-01	1.11E+00	3.29E+00	U
WD	STJ	426245023	6/21/2017	Cr-51	-6.65E+00	9.97E+00	3.17E+01	U
WD	STJ	426245023	6/21/2017	Cs-134	-3.51E-02	9.25E-01	3.03E+00	U
WD	STJ	426245023	6/21/2017	Cs-137	1.42E+00	1.36E+00	4.61E+00	U
WD	STJ	426245023	6/21/2017	Fe-59	9.22E-01	2.47E+00	8.48E+00	U
WD	STJ	426245023	6/21/2017	I-131	9.69E-01	2.20E+00	7.51E+00	U
WD	STJ	426245023	6/21/2017	K-40	-3.97E+01	1.99E+01	5.54E+01	U
WD	STJ	426245023	6/21/2017	La-140	-4.95E+00	2.58E+00	4.62E+00	U
WD	STJ	426245023	6/21/2017	Mn-54	-1.48E+00	1.18E+00	3.28E+00	U
WD	STJ	426245023	6/21/2017	Nb-95	1.58E+00	1.12E+00	3.92E+00	U
WD	STJ	426245023	6/21/2017	Ru-103	-3.33E+00	1.42E+00	2.87E+00	U
WD	STJ	426245023	6/21/2017	Ru-106	2.84E+00	1.15E+01	3.76E+01	U
WD	STJ	426245023	6/21/2017	Sb-124	-1.39E+00	2.79E+00	8.04E+00	U
WD	STJ	426245023	6/21/2017	Sb-125	2.34E-01	2.38E+00	7.94E+00	U
WD	STJ	426245023	6/21/2017	Se-75	-9.99E-01	1.43E+00	4.64E+00	U
WD	STJ	426245023	6/21/2017	Th-228	1.87E-01	2.35E+00	8.18E+00	U
WD	STJ	426245023	6/21/2017	Zn-65	8.48E-01	2.28E+00	7.07E+00	U
WD	STJ	426245023	6/21/2017	Zr-95	1.38E+00	2.00E+00	6.78E+00	U
WD	STJ	426245024	6/21/2017	I-131	7.81E-01	2.97E-01	9.29E-01	U
WD	LTW	426245025	6/21/2017	Ac-228	-1.64E+00	6.15E+00	2.07E+01	U
WD	LTW	426245025	6/21/2017	Ag-108m	6.17E-01	1.01E+00	3.43E+00	U
WD	LTW	426245025	6/21/2017	Ag-110m	-4.00E-01	1.66E+00	5.36E+00	U
WD	LTW	426245025	6/21/2017	Ba-140	3.90E+00	7.80E+00	2.48E+01	U
WD	LTW	426245025	6/21/2017	Be-7	-6.63E+00	1.24E+01	3.81E+01	U
WD	LTW	426245025	6/21/2017	BETA	4.41E-01	1.00E+00	3.21E+00	U
WD	LTW	426245025	6/21/2017	Ce-141	-1.79E+00	2.62E+00	7.23E+00	U
WD	LTW	426245025	6/21/2017	Ce-144	-3.50E+00	9.29E+00	2.86E+01	U
WD	LTW	426245025	6/21/2017	Co-57	1.41E+00	1.20E+00	3.87E+00	U
WD	LTW	426245025	6/21/2017	Co-58	-1.77E-01	1.09E+00	3.58E+00	U
WD	LTW	426245025	6/21/2017	Co-60	-1.05E-01	1.26E+00	3.99E+00	U
WD	LTW	426245025	6/21/2017	Cr-51	-7.97E+00	1.22E+01	3.86E+01	U
WD	LTW	426245025	6/21/2017	Cs-134	1.58E-01	1.35E+00	4.59E+00	U
WD	LTW	426245025	6/21/2017	Cs-137	-2.70E+00	1.40E+00	3.40E+00	U
WD	LTW	426245025	6/21/2017	Fe-59	1.06E+00	2.67E+00	8.84E+00	U
WD	LTW	426245025	6/21/2017	I-131	9.08E+00	4.01E+00	7.99E+00	UI
WD	LTW	426245025	6/21/2017	K-40	-3.40E+01	1.69E+01	4.22E+01	U
WD	LTW	426245025	6/21/2017	La-140	3.65E+00	3.50E+00	1.03E+01	U
WD	LTW	426245025	6/21/2017	Mn-54	-7.65E-01	1.41E+00	4.45E+00	U
WD	LTW	426245025	6/21/2017	Nb-95	7.49E-02	1.30E+00	4.40E+00	U
WD	LTW	426245025	6/21/2017	Ru-103	-1.71E+00	1.51E+00	4.25E+00	U
WD	LTW	426245025	6/21/2017	Ru-106	6.09E+00	1.16E+01	3.86E+01	U
WD	LTW	426245025	6/21/2017	Sb-124	-2.65E+00	2.52E+00	6.30E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	426245025	6/21/2017	Sb-125	9.06E-01	3.45E+00	1.15E+01	U
WD	LTW	426245025	6/21/2017	Se-75	4.65E-02	1.60E+00	5.38E+00	U
WD	LTW	426245025	6/21/2017	Th-228	1.26E+01	7.18E+00	1.11E+01	UI
WD	LTW	426245025	6/21/2017	Zn-65	1.28E+00	2.79E+00	9.53E+00	U
WD	LTW	426245025	6/21/2017	Zr-95	-1.99E+00	2.90E+00	7.77E+00	U
WD	LTW	426245026	6/21/2017	I-131	5.89E-01	2.89E-01	8.91E-01	U
WD	STJ	429776001	6/21/2017	H-3	-2.09E+01	1.90E+02	6.29E+02	U
WD	LTW	429776002	6/21/2017	H-3	-2.01E+02	1.84E+02	6.35E+02	U
WD	STJ	427370023	7/5/2017	Ac-228	-8.57E+00	9.17E+00	2.79E+01	U
WD	STJ	427370023	7/5/2017	Ag-108m	-1.47E-01	1.47E+00	4.67E+00	U
WD	STJ	427370023	7/5/2017	Ag-110m	-1.22E+00	2.05E+00	6.43E+00	U
WD	STJ	427370023	7/5/2017	Ba-140	2.65E+00	7.73E+00	2.53E+01	U
WD	STJ	427370023	7/5/2017	Be-7	2.37E+01	1.50E+01	4.99E+01	U
WD	STJ	427370023	7/5/2017	BETA	4.30E-01	7.05E-01	2.17E+00	U
WD	STJ	427370023	7/5/2017	Ce-141	-2.52E+00	2.30E+00	6.93E+00	U
WD	STJ	427370023	7/5/2017	Ce-144	-1.17E+00	9.03E+00	2.92E+01	U
WD	STJ	427370023	7/5/2017	Co-57	-4.09E-01	1.08E+00	3.45E+00	U
WD	STJ	427370023	7/5/2017	Co-58	-1.43E+00	1.75E+00	5.39E+00	U
WD	STJ	427370023	7/5/2017	Co-60	-1.12E+00	1.78E+00	5.45E+00	U
WD	STJ	427370023	7/5/2017	Cr-51	-5.10E+00	1.35E+01	4.22E+01	U
WD	STJ	427370023	7/5/2017	Cs-134	1.23E+00	1.94E+00	6.75E+00	U
WD	STJ	427370023	7/5/2017	Cs-137	8.91E-01	1.77E+00	6.16E+00	U
WD	STJ	427370023	7/5/2017	Fe-59	1.96E+00	3.46E+00	1.21E+01	U
WD	STJ	427370023	7/5/2017	I-131	6.51E+00	4.78E+00	7.45E+00	U
WD	STJ	427370023	7/5/2017	K-40	-4.44E+01	2.26E+01	6.10E+01	U
WD	STJ	427370023	7/5/2017	La-140	2.22E+00	2.54E+00	9.21E+00	U
WD	STJ	427370023	7/5/2017	Mn-54	-1.25E-01	1.57E+00	5.23E+00	U
WD	STJ	427370023	7/5/2017	Nb-95	5.98E-01	1.56E+00	5.38E+00	U
WD	STJ	427370023	7/5/2017	Ru-103	-4.78E-01	1.83E+00	5.74E+00	U
WD	STJ	427370023	7/5/2017	Ru-106	1.56E+01	1.49E+01	5.24E+01	U
WD	STJ	427370023	7/5/2017	Sb-124	-4.90E-01	4.14E+00	1.35E+01	U
WD	STJ	427370023	7/5/2017	Sb-125	2.53E+00	4.33E+00	1.43E+01	U
WD	STJ	427370023	7/5/2017	Se-75	-1.08E+00	2.14E+00	5.76E+00	U
WD	STJ	427370023	7/5/2017	Th-228	3.16E+00	3.28E+00	1.07E+01	U
WD	STJ	427370023	7/5/2017	Zn-65	-3.75E+00	3.52E+00	1.01E+01	U
WD	STJ	427370023	7/5/2017	Zr-95	6.80E+00	3.39E+00	1.18E+01	U
WD	STJ	427370024	7/5/2017	I-131	-1.22E-01	1.85E-01	6.24E-01	U
WD	LTW	427370025	7/5/2017	Ac-228	2.86E+00	4.46E+00	9.11E+00	U
WD	LTW	427370025	7/5/2017	Ag-108m	-5.84E-01	8.40E-01	2.67E+00	U
WD	LTW	427370025	7/5/2017	Ag-110m	2.77E+00	1.76E+00	4.15E+00	U
WD	LTW	427370025	7/5/2017	Ba-140	1.66E+00	3.96E+00	1.37E+01	U
WD	LTW	427370025	7/5/2017	Be-7	1.12E+01	8.78E+00	3.07E+01	U
WD	LTW	427370025	7/5/2017	BETA	9.96E-01	6.95E-01	1.90E+00	U
WD	LTW	427370025	7/5/2017	Ce-141	-3.19E+00	2.11E+00	5.29E+00	U
WD	LTW	427370025	7/5/2017	Ce-144	-3.62E+00	6.12E+00	1.91E+01	U
WD	LTW	427370025	7/5/2017	Co-57	4.68E-01	8.60E-01	2.74E+00	U
WD	LTW	427370025	7/5/2017	Co-58	5.69E-01	1.04E+00	3.53E+00	U
WD	LTW	427370025	7/5/2017	Co-60	9.61E-02	1.06E+00	3.61E+00	U
WD	LTW	427370025	7/5/2017	Cr-51	-1.88E+00	8.36E+00	2.84E+01	U
WD	LTW	427370025	7/5/2017	Cs-134	-1.80E+00	1.22E+00	3.12E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	427370025	7/5/2017	Cs-137	-1.74E-01	9.06E-01	2.93E+00	U
WD	LTW	427370025	7/5/2017	Fe-59	2.16E+00	2.36E+00	8.04E+00	U
WD	LTW	427370025	7/5/2017	I-131	2.00E+00	2.01E+00	4.47E+00	U
WD	LTW	427370025	7/5/2017	K-40	-2.51E+01	1.34E+01	4.07E+01	U
WD	LTW	427370025	7/5/2017	La-140	-2.83E+00	1.29E+00	8.14E-01	U
WD	LTW	427370025	7/5/2017	Mn-54	-1.33E+00	9.95E-01	2.58E+00	U
WD	LTW	427370025	7/5/2017	Nb-95	-6.72E-01	9.37E-01	2.72E+00	U
WD	LTW	427370025	7/5/2017	Ru-103	-4.77E-01	8.80E-01	2.80E+00	U
WD	LTW	427370025	7/5/2017	Ru-106	8.85E+00	9.13E+00	3.18E+01	U
WD	LTW	427370025	7/5/2017	Sb-124	7.08E-01	2.29E+00	7.90E+00	U
WD	LTW	427370025	7/5/2017	Sb-125	3.57E-03	1.99E+00	6.74E+00	U
WD	LTW	427370025	7/5/2017	Se-75	-4.21E-01	1.29E+00	3.95E+00	U
WD	LTW	427370025	7/5/2017	Th-228	4.87E+00	2.81E+00	7.26E+00	U
WD	LTW	427370025	7/5/2017	Zn-65	-2.57E+00	2.44E+00	6.08E+00	U
WD	LTW	427370025	7/5/2017	Zr-95	-3.48E-01	1.42E+00	4.48E+00	U
WD	LTW	427370026	7/5/2017	I-131	-7.83E-02	1.14E-01	3.83E-01	U
WD	STJ	428510023	7/19/2017	Ac-228	-2.64E+00	4.63E+00	1.44E+01	U
WD	STJ	428510023	7/19/2017	Ag-108m	1.05E-01	8.30E-01	2.77E+00	U
WD	STJ	428510023	7/19/2017	Ag-110m	-5.85E-01	1.13E+00	3.63E+00	U
WD	STJ	428510023	7/19/2017	Ba-140	1.14E+01	6.34E+00	2.14E+01	U
WD	STJ	428510023	7/19/2017	Be-7	-2.06E+00	8.27E+00	2.68E+01	U
WD	STJ	428510023	7/19/2017	BETA	-6.40E-01	6.50E-01	2.32E+00	U
WD	STJ	428510023	7/19/2017	Ce-141	-2.67E+00	2.33E+00	6.04E+00	U
WD	STJ	428510023	7/19/2017	Ce-144	-8.13E+00	6.92E+00	2.04E+01	U
WD	STJ	428510023	7/19/2017	Co-57	-3.76E-01	8.25E-01	2.60E+00	U
WD	STJ	428510023	7/19/2017	Co-58	-1.71E+00	1.19E+00	2.99E+00	U
WD	STJ	428510023	7/19/2017	Co-60	-5.90E-01	8.97E-01	2.68E+00	U
WD	STJ	428510023	7/19/2017	Cr-51	-9.48E+00	1.05E+01	3.34E+01	U
WD	STJ	428510023	7/19/2017	Cs-134	-3.30E-01	9.57E-01	2.92E+00	U
WD	STJ	428510023	7/19/2017	Cs-137	1.16E-01	9.91E-01	3.22E+00	U
WD	STJ	428510023	7/19/2017	Fe-59	-2.75E-01	1.99E+00	6.53E+00	U
WD	STJ	428510023	7/19/2017	I-131	1.43E+00	2.62E+00	8.95E+00	U
WD	STJ	428510023	7/19/2017	K-40	2.36E+01	1.47E+01	3.64E+01	U
WD	STJ	428510023	7/19/2017	La-140	-1.59E+00	2.38E+00	6.98E+00	U
WD	STJ	428510023	7/19/2017	Mn-54	-9.46E-01	8.49E-01	2.53E+00	U
WD	STJ	428510023	7/19/2017	Nb-95	5.63E-01	9.99E-01	3.30E+00	U
WD	STJ	428510023	7/19/2017	Ru-103	-2.18E-01	1.13E+00	3.66E+00	U
WD	STJ	428510023	7/19/2017	Ru-106	-1.79E+00	8.29E+00	2.25E+01	U
WD	STJ	428510023	7/19/2017	Sb-124	-3.53E+00	2.44E+00	5.63E+00	U
WD	STJ	428510023	7/19/2017	Sb-125	-7.70E-01	2.55E+00	8.29E+00	U
WD	STJ	428510023	7/19/2017	Se-75	-1.90E+00	1.23E+00	3.67E+00	U
WD	STJ	428510023	7/19/2017	Th-228	4.70E-01	2.82E+00	6.99E+00	U
WD	STJ	428510023	7/19/2017	Zn-65	2.70E-02	1.79E+00	5.23E+00	U
WD	STJ	428510023	7/19/2017	Zr-95	3.81E-01	1.65E+00	5.36E+00	U
WD	STJ	428510024	7/19/2017	I-131	7.74E-01	2.97E-01	8.60E-01	U
WD	LTW	428510025	7/19/2017	Ac-228	3.67E+00	3.40E+00	1.20E+01	U
WD	LTW	428510025	7/19/2017	Ag-108m	1.11E+00	7.46E-01	2.52E+00	U
WD	LTW	428510025	7/19/2017	Ag-110m	-1.39E+00	1.30E+00	3.63E+00	U
WD	LTW	428510025	7/19/2017	Ba-140	-8.45E+00	5.75E+00	1.58E+01	U
WD	LTW	428510025	7/19/2017	Be-7	2.51E+00	6.76E+00	2.28E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	428510025	7/19/2017	BETA	8.13E-02	9.32E-01	3.03E+00	U
WD	LTW	428510025	7/19/2017	Ce-141	2.99E-01	1.67E+00	5.32E+00	U
WD	LTW	428510025	7/19/2017	Ce-144	1.08E+01	9.83E+00	1.72E+01	U
WD	LTW	428510025	7/19/2017	Co-57	-4.91E-01	7.47E-01	2.29E+00	U
WD	LTW	428510025	7/19/2017	Co-58	7.46E-01	9.09E-01	3.04E+00	U
WD	LTW	428510025	7/19/2017	Co-60	4.17E-01	9.00E-01	3.09E+00	U
WD	LTW	428510025	7/19/2017	Cr-51	-8.09E+00	8.71E+00	2.74E+01	U
WD	LTW	428510025	7/19/2017	Cs-134	4.53E-02	9.04E-01	2.90E+00	U
WD	LTW	428510025	7/19/2017	Cs-137	7.34E-01	8.22E-01	2.78E+00	U
WD	LTW	428510025	7/19/2017	Fe-59	2.33E+00	1.97E+00	6.93E+00	U
WD	LTW	428510025	7/19/2017	I-131	5.41E-01	2.19E+00	7.44E+00	U
WD	LTW	428510025	7/19/2017	K-40	-1.30E+01	1.43E+01	4.19E+01	U
WD	LTW	428510025	7/19/2017	La-140	9.85E-01	1.70E+00	5.87E+00	U
WD	LTW	428510025	7/19/2017	Mn-54	-2.28E-01	7.83E-01	2.42E+00	U
WD	LTW	428510025	7/19/2017	Nb-95	4.40E-01	9.03E-01	2.98E+00	U
WD	LTW	428510025	7/19/2017	Ru-103	2.83E-01	9.82E-01	3.28E+00	U
WD	LTW	428510025	7/19/2017	Ru-106	1.15E+01	7.68E+00	2.59E+01	U
WD	LTW	428510025	7/19/2017	Sb-124	1.60E+00	2.17E+00	6.60E+00	U
WD	LTW	428510025	7/19/2017	Sb-125	4.19E+00	2.38E+00	7.94E+00	U
WD	LTW	428510025	7/19/2017	Se-75	-8.58E-01	1.12E+00	3.62E+00	U
WD	LTW	428510025	7/19/2017	Th-228	3.43E+00	3.32E+00	6.59E+00	U
WD	LTW	428510025	7/19/2017	Zn-65	-7.60E-01	1.39E+00	4.36E+00	U
WD	LTW	428510025	7/19/2017	Zr-95	-1.04E+00	1.43E+00	4.20E+00	U
WD	LTW	428510026	7/19/2017	I-131	-1.61E-01	2.62E-01	8.85E-01	U
WD	STJ	429796023	8/2/2017	Ac-228	3.30E+00	4.81E+00	1.63E+01	U
WD	STJ	429796023	8/2/2017	Ag-108m	-1.27E-01	9.00E-01	2.98E+00	U
WD	STJ	429796023	8/2/2017	Ag-110m	-1.48E+00	1.46E+00	3.27E+00	U
WD	STJ	429796023	8/2/2017	Ba-140	-5.87E+00	5.47E+00	1.58E+01	U
WD	STJ	429796023	8/2/2017	Be-7	5.91E-01	8.29E+00	2.49E+01	U
WD	STJ	429796023	8/2/2017	BETA	2.08E+00	1.23E+00	3.61E+00	U
WD	STJ	429796023	8/2/2017	Ce-141	-2.63E+00	2.04E+00	5.81E+00	U
WD	STJ	429796023	8/2/2017	Ce-144	6.66E-01	6.96E+00	2.25E+01	U
WD	STJ	429796023	8/2/2017	Co-57	1.69E+00	1.17E+00	2.70E+00	U
WD	STJ	429796023	8/2/2017	Co-58	-6.91E-01	7.88E-01	2.13E+00	U
WD	STJ	429796023	8/2/2017	Co-60	-3.26E-01	9.51E-01	2.99E+00	U
WD	STJ	429796023	8/2/2017	Cr-51	7.69E+00	9.80E+00	3.42E+01	U
WD	STJ	429796023	8/2/2017	Cs-134	-2.91E-02	1.06E+00	3.40E+00	U
WD	STJ	429796023	8/2/2017	Cs-137	-7.88E-01	9.46E-01	2.74E+00	U
WD	STJ	429796023	8/2/2017	Fe-59	5.70E-01	2.28E+00	7.85E+00	U
WD	STJ	429796023	8/2/2017	I-131	-3.34E+00	1.88E+00	4.94E+00	U
WD	STJ	429796023	8/2/2017	K-40	8.04E+00	1.46E+01	4.79E+01	U
WD	STJ	429796023	8/2/2017	La-140	-1.20E+00	2.03E+00	6.04E+00	U
WD	STJ	429796023	8/2/2017	Mn-54	-2.89E-01	1.11E+00	3.44E+00	U
WD	STJ	429796023	8/2/2017	Nb-95	3.31E+00	1.40E+00	4.61E+00	U
WD	STJ	429796023	8/2/2017	Ru-103	-1.66E+00	1.18E+00	3.28E+00	U
WD	STJ	429796023	8/2/2017	Ru-106	-1.55E+01	1.05E+01	2.79E+01	U
WD	STJ	429796023	8/2/2017	Sb-124	1.99E+00	2.71E+00	9.56E+00	U
WD	STJ	429796023	8/2/2017	Sb-125	-4.75E-01	2.71E+00	8.96E+00	U
WD	STJ	429796023	8/2/2017	Se-75	4.97E-01	1.27E+00	4.42E+00	U
WD	STJ	429796023	8/2/2017	Th-228	4.01E+00	4.10E+00	7.50E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	429796023	8/2/2017	Zn-65	-2.70E+00	1.97E+00	5.12E+00	U
WD	STJ	429796023	8/2/2017	Zr-95	-3.04E+00	2.14E+00	5.53E+00	U
WD	STJ	429796024	8/2/2017	I-131	-8.62E-02	2.37E-01	7.99E-01	U
WD	LTW	429796025	8/2/2017	Ac-228	7.56E-01	4.94E+00	1.74E+01	U
WD	LTW	429796025	8/2/2017	Ag-108m	-1.11E+00	1.19E+00	3.65E+00	U
WD	LTW	429796025	8/2/2017	Ag-110m	3.00E+00	1.81E+00	6.56E+00	U
WD	LTW	429796025	8/2/2017	Ba-140	6.53E-01	5.91E+00	1.97E+01	U
WD	LTW	429796025	8/2/2017	Be-7	-2.67E+00	1.14E+01	3.32E+01	U
WD	LTW	429796025	8/2/2017	BETA	1.91E+00	1.17E+00	3.47E+00	U
WD	LTW	429796025	8/2/2017	Ce-141	8.12E-01	1.97E+00	6.53E+00	U
WD	LTW	429796025	8/2/2017	Ce-144	-1.20E+01	7.98E+00	2.24E+01	U
WD	LTW	429796025	8/2/2017	Co-57	-8.11E-01	9.84E-01	3.04E+00	U
WD	LTW	429796025	8/2/2017	Co-58	-4.95E-01	1.44E+00	3.84E+00	U
WD	LTW	429796025	8/2/2017	Co-60	-1.11E+00	1.52E+00	4.45E+00	U
WD	LTW	429796025	8/2/2017	Cr-51	3.38E+00	1.09E+01	3.80E+01	U
WD	LTW	429796025	8/2/2017	Cs-134	-4.94E-01	1.34E+00	3.87E+00	U
WD	LTW	429796025	8/2/2017	Cs-137	1.89E+00	1.37E+00	4.78E+00	U
WD	LTW	429796025	8/2/2017	Fe-59	-2.91E+00	2.55E+00	6.92E+00	U
WD	LTW	429796025	8/2/2017	I-131	-6.96E+00	2.91E+00	6.47E+00	U
WD	LTW	429796025	8/2/2017	K-40	-1.19E+01	1.65E+01	5.31E+01	U
WD	LTW	429796025	8/2/2017	La-140	2.20E+00	1.69E+00	6.66E+00	U
WD	LTW	429796025	8/2/2017	Mn-54	-1.60E+00	1.12E+00	2.59E+00	U
WD	LTW	429796025	8/2/2017	Nb-95	7.84E-02	1.07E+00	3.08E+00	U
WD	LTW	429796025	8/2/2017	Ru-103	-2.11E+00	1.45E+00	3.97E+00	U
WD	LTW	429796025	8/2/2017	Ru-106	8.18E-01	1.01E+01	3.31E+01	U
WD	LTW	429796025	8/2/2017	Sb-124	5.31E-01	2.71E+00	9.02E+00	U
WD	LTW	429796025	8/2/2017	Sb-125	-2.03E+00	3.44E+00	1.10E+01	U
WD	LTW	429796025	8/2/2017	Se-75	4.53E+00	2.12E+00	5.20E+00	U
WD	LTW	429796025	8/2/2017	Th-228	-3.99E+00	3.05E+00	8.22E+00	U
WD	LTW	429796025	8/2/2017	Zn-65	6.36E-01	2.65E+00	9.05E+00	U
WD	LTW	429796025	8/2/2017	Zr-95	1.47E+00	2.68E+00	8.18E+00	U
WD	LTW	429796026	8/2/2017	I-131	5.87E-02	2.61E-01	8.47E-01	U
WD	STJ	431026023	8/16/2017	Ac-228	2.14E+01	8.22E+00	2.37E+01	U
WD	STJ	431026023	8/16/2017	Ag-108m	2.17E-01	1.26E+00	4.15E+00	U
WD	STJ	431026023	8/16/2017	Ag-110m	4.11E-02	1.61E+00	5.36E+00	U
WD	STJ	431026023	8/16/2017	Ba-140	-6.34E+00	6.76E+00	1.66E+01	U
WD	STJ	431026023	8/16/2017	Be-7	-1.25E+01	1.15E+01	2.74E+01	U
WD	STJ	431026023	8/16/2017	BETA	1.63E+00	8.54E-01	2.32E+00	U
WD	STJ	431026023	8/16/2017	Ce-141	2.03E-01	2.44E+00	7.07E+00	U
WD	STJ	431026023	8/16/2017	Ce-144	6.31E+00	8.71E+00	2.81E+01	U
WD	STJ	431026023	8/16/2017	Co-57	-9.08E-01	1.18E+00	3.53E+00	U
WD	STJ	431026023	8/16/2017	Co-58	-2.29E+00	1.51E+00	4.06E+00	U
WD	STJ	431026023	8/16/2017	Co-60	-4.95E-01	1.36E+00	4.11E+00	U
WD	STJ	431026023	8/16/2017	Cr-51	-4.01E+00	1.17E+01	3.82E+01	U
WD	STJ	431026023	8/16/2017	Cs-134	-6.81E-01	1.20E+00	3.74E+00	U
WD	STJ	431026023	8/16/2017	Cs-137	1.73E-01	1.15E+00	3.97E+00	U
WD	STJ	431026023	8/16/2017	Fe-59	5.57E+00	4.54E+00	9.61E+00	U
WD	STJ	431026023	8/16/2017	I-131	2.38E+00	1.73E+00	5.59E+00	U
WD	STJ	431026023	8/16/2017	K-40	2.46E+00	2.89E+01	5.19E+01	U
WD	STJ	431026023	8/16/2017	La-140	1.35E-01	1.96E+00	6.05E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	431026023	8/16/2017	Mn-54	-8.65E-01	1.25E+00	3.86E+00	U
WD	STJ	431026023	8/16/2017	Nb-95	1.37E+00	1.53E+00	4.93E+00	U
WD	STJ	431026023	8/16/2017	Ru-103	-8.80E-01	1.30E+00	3.90E+00	U
WD	STJ	431026023	8/16/2017	Ru-106	1.01E+01	1.14E+01	3.84E+01	U
WD	STJ	431026023	8/16/2017	Sb-124	3.84E+00	3.26E+00	1.21E+01	U
WD	STJ	431026023	8/16/2017	Sb-125	-6.01E-01	2.64E+00	8.43E+00	U
WD	STJ	431026023	8/16/2017	Se-75	2.05E+00	1.54E+00	5.32E+00	U
WD	STJ	431026023	8/16/2017	Th-228	3.15E-01	4.84E+00	1.09E+01	U
WD	STJ	431026023	8/16/2017	Zn-65	1.88E+00	2.46E+00	8.69E+00	U
WD	STJ	431026023	8/16/2017	Zr-95	3.68E+00	2.42E+00	8.12E+00	U
WD	STJ	431026024	8/16/2017	I-131	-4.90E-02	2.61E-01	8.68E-01	U
WD	LTW	431026025	8/16/2017	Ac-228	-8.24E+00	5.59E+00	1.43E+01	U
WD	LTW	431026025	8/16/2017	Ag-108m	-4.07E-01	1.06E+00	3.23E+00	U
WD	LTW	431026025	8/16/2017	Ag-110m	1.20E+00	1.68E+00	5.69E+00	U
WD	LTW	431026025	8/16/2017	Ba-140	-3.49E+00	4.65E+00	1.40E+01	U
WD	LTW	431026025	8/16/2017	Be-7	9.67E+00	8.25E+00	2.92E+01	U
WD	LTW	431026025	8/16/2017	BETA	7.96E-01	7.62E-01	2.20E+00	U
WD	LTW	431026025	8/16/2017	Ce-141	-1.57E+00	2.20E+00	6.15E+00	U
WD	LTW	431026025	8/16/2017	Ce-144	1.01E+01	6.66E+00	1.95E+01	U
WD	LTW	431026025	8/16/2017	Co-57	6.21E-01	9.33E-01	3.09E+00	U
WD	LTW	431026025	8/16/2017	Co-58	-1.03E+00	1.10E+00	3.06E+00	U
WD	LTW	431026025	8/16/2017	Co-60	-1.14E+00	1.06E+00	2.82E+00	U
WD	LTW	431026025	8/16/2017	Cr-51	8.36E+00	1.00E+01	3.22E+01	U
WD	LTW	431026025	8/16/2017	Cs-134	-4.86E-01	1.13E+00	3.43E+00	U
WD	LTW	431026025	8/16/2017	Cs-137	1.26E+00	1.47E+00	3.91E+00	U
WD	LTW	431026025	8/16/2017	Fe-59	-1.41E+00	1.83E+00	5.42E+00	U
WD	LTW	431026025	8/16/2017	I-131	4.71E-01	1.50E+00	5.15E+00	U
WD	LTW	431026025	8/16/2017	K-40	-1.90E+01	1.66E+01	4.83E+01	U
WD	LTW	431026025	8/16/2017	La-140	-1.53E+00	1.66E+00	4.47E+00	U
WD	LTW	431026025	8/16/2017	Mn-54	-7.43E-01	1.15E+00	3.38E+00	U
WD	LTW	431026025	8/16/2017	Nb-95	5.81E-01	1.18E+00	3.97E+00	U
WD	LTW	431026025	8/16/2017	Ru-103	-1.57E+00	1.12E+00	3.04E+00	U
WD	LTW	431026025	8/16/2017	Ru-106	7.53E+00	9.41E+00	3.26E+01	U
WD	LTW	431026025	8/16/2017	Sb-124	-4.85E+00	2.74E+00	5.59E+00	U
WD	LTW	431026025	8/16/2017	Sb-125	-1.34E+00	2.75E+00	7.74E+00	U
WD	LTW	431026025	8/16/2017	Se-75	-1.44E+00	1.49E+00	4.19E+00	U
WD	LTW	431026025	8/16/2017	Th-228	1.89E+00	4.31E+00	7.32E+00	U
WD	LTW	431026025	8/16/2017	Zn-65	2.68E+00	2.20E+00	7.60E+00	U
WD	LTW	431026025	8/16/2017	Zr-95	2.49E+00	2.18E+00	7.55E+00	U
WD	LTW	431026026	8/16/2017	I-131	3.33E-01	2.60E-01	7.89E-01	U
WD	STJ	432021023	8/30/2017	Ac-228	1.35E+00	4.85E+00	8.49E+00	U
WD	STJ	432021023	8/30/2017	Ag-108m	2.45E-01	5.01E-01	1.69E+00	U
WD	STJ	432021023	8/30/2017	Ag-110m	-1.35E+00	8.28E-01	2.24E+00	U
WD	STJ	432021023	8/30/2017	Ba-140	-1.20E+00	3.09E+00	1.00E+01	U
WD	STJ	432021023	8/30/2017	Be-7	9.78E-01	4.70E+00	1.58E+01	U
WD	STJ	432021023	8/30/2017	BETA	6.34E-01	7.38E-01	2.22E+00	U
WD	STJ	432021023	8/30/2017	Ce-141	-3.26E+00	1.72E+00	3.51E+00	U
WD	STJ	432021023	8/30/2017	Ce-144	-3.09E-01	4.31E+00	1.38E+01	U
WD	STJ	432021023	8/30/2017	Co-57	-6.47E-01	5.99E-01	1.83E+00	U
WD	STJ	432021023	8/30/2017	Co-58	-7.35E-01	5.64E-01	1.61E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	432021023	8/30/2017	Co-60	5.46E-02	6.34E-01	2.13E+00	U
WD	STJ	432021023	8/30/2017	Cr-51	-3.38E+00	5.76E+00	1.92E+01	U
WD	STJ	432021023	8/30/2017	Cs-134	-5.58E-01	6.27E-01	1.90E+00	U
WD	STJ	432021023	8/30/2017	Cs-137	7.33E-01	5.91E-01	1.93E+00	U
WD	STJ	432021023	8/30/2017	Fe-59	-6.09E-01	1.13E+00	3.69E+00	U
WD	STJ	432021023	8/30/2017	I-131	-1.12E+00	1.28E+00	4.14E+00	U
WD	STJ	432021023	8/30/2017	K-40	-7.04E+00	1.10E+01	2.90E+01	U
WD	STJ	432021023	8/30/2017	La-140	-2.44E+00	1.31E+00	2.76E+00	U
WD	STJ	432021023	8/30/2017	Mn-54	-7.48E-01	8.92E-01	1.83E+00	U
WD	STJ	432021023	8/30/2017	Nb-95	-1.32E-01	5.77E-01	1.85E+00	U
WD	STJ	432021023	8/30/2017	Ru-103	1.82E-01	8.11E-01	1.94E+00	U
WD	STJ	432021023	8/30/2017	Ru-106	-1.01E+01	5.35E+00	1.44E+01	U
WD	STJ	432021023	8/30/2017	Sb-124	1.18E+00	1.33E+00	4.53E+00	U
WD	STJ	432021023	8/30/2017	Sb-125	-3.26E-01	1.52E+00	5.05E+00	U
WD	STJ	432021023	8/30/2017	Se-75	4.68E-01	7.57E-01	2.60E+00	U
WD	STJ	432021023	8/30/2017	Th-228	-2.47E+00	2.27E+00	4.55E+00	U
WD	STJ	432021023	8/30/2017	Zn-65	-4.29E-01	1.04E+00	3.31E+00	U
WD	STJ	432021023	8/30/2017	Zr-95	-2.26E-01	9.00E-01	2.87E+00	U
WD	STJ	432021024	8/30/2017	I-131	5.31E-02	2.91E-01	9.49E-01	U
WD	LTW	432021025	8/30/2017	Ac-228	9.35E-01	4.29E+00	7.72E+00	U
WD	LTW	432021025	8/30/2017	Ag-108m	1.83E-01	4.21E-01	1.43E+00	U
WD	LTW	432021025	8/30/2017	Ag-110m	-1.59E-01	5.85E-01	1.96E+00	U
WD	LTW	432021025	8/30/2017	Ba-140	7.41E+00	3.20E+00	9.74E+00	U
WD	LTW	432021025	8/30/2017	Be-7	-2.88E+00	4.07E+00	1.31E+01	U
WD	LTW	432021025	8/30/2017	BETA	9.40E-01	9.25E-01	2.80E+00	U
WD	LTW	432021025	8/30/2017	Ce-141	1.16E+00	1.82E+00	2.49E+00	U
WD	LTW	432021025	8/30/2017	Ce-144	2.74E+00	3.09E+00	1.01E+01	U
WD	LTW	432021025	8/30/2017	Co-57	6.10E-02	3.93E-01	1.30E+00	U
WD	LTW	432021025	8/30/2017	Co-58	-5.01E-01	4.82E-01	1.40E+00	U
WD	LTW	432021025	8/30/2017	Co-60	2.64E-01	5.12E-01	1.72E+00	U
WD	LTW	432021025	8/30/2017	Cr-51	1.46E+00	4.04E+00	1.39E+01	U
WD	LTW	432021025	8/30/2017	Cs-134	5.10E-01	5.50E-01	1.79E+00	U
WD	LTW	432021025	8/30/2017	Cs-137	-3.93E-01	5.08E-01	1.57E+00	U
WD	LTW	432021025	8/30/2017	Fe-59	2.32E+00	1.20E+00	3.89E+00	U
WD	LTW	432021025	8/30/2017	I-131	-7.11E-02	9.64E-01	3.27E+00	U
WD	LTW	432021025	8/30/2017	K-40	-4.27E+00	1.05E+01	2.42E+01	U
WD	LTW	432021025	8/30/2017	La-140	1.25E+00	9.70E-01	3.25E+00	U
WD	LTW	432021025	8/30/2017	Mn-54	8.70E-01	4.02E-01	1.48E+00	U
WD	LTW	432021025	8/30/2017	Nb-95	-2.07E+00	9.92E-01	1.65E+00	U
WD	LTW	432021025	8/30/2017	Ru-103	-1.99E-01	5.43E-01	1.58E+00	U
WD	LTW	432021025	8/30/2017	Ru-106	6.89E+00	4.67E+00	1.52E+01	U
WD	LTW	432021025	8/30/2017	Sb-124	1.04E+00	1.20E+00	4.03E+00	U
WD	LTW	432021025	8/30/2017	Sb-125	-4.25E-01	1.18E+00	3.90E+00	U
WD	LTW	432021025	8/30/2017	Se-75	2.08E-01	6.30E-01	1.99E+00	U
WD	LTW	432021025	8/30/2017	Th-228	3.23E+00	2.10E+00	3.44E+00	U
WD	LTW	432021025	8/30/2017	Zn-65	8.31E-01	1.01E+00	3.44E+00	U
WD	LTW	432021025	8/30/2017	Zr-95	-6.88E-01	8.74E-01	2.64E+00	U
WD	LTW	432021026	8/30/2017	I-131	1.46E-01	2.82E-01	8.85E-01	U
WD	STJ	432957023	9/13/2017	Ac-228	-7.08E+00	5.21E+00	1.39E+01	U
WD	STJ	432957023	9/13/2017	Ag-108m	8.69E-01	8.91E-01	3.02E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	432957023	9/13/2017	Ag-110m	1.88E+00	1.69E+00	5.34E+00	U
WD	STJ	432957023	9/13/2017	Ba-140	-1.27E+01	6.04E+00	1.44E+01	U
WD	STJ	432957023	9/13/2017	Be-7	-1.52E+01	9.45E+00	2.57E+01	U
WD	STJ	432957023	9/13/2017	BETA	3.28E+00	1.41E+00	3.94E+00	U
WD	STJ	432957023	9/13/2017	Ce-141	-3.27E+00	1.80E+00	4.91E+00	U
WD	STJ	432957023	9/13/2017	Ce-144	-8.28E+00	6.50E+00	1.93E+01	U
WD	STJ	432957023	9/13/2017	Co-57	-3.96E-01	7.72E-01	2.46E+00	U
WD	STJ	432957023	9/13/2017	Co-58	-6.44E-01	9.40E-01	2.95E+00	U
WD	STJ	432957023	9/13/2017	Co-60	3.11E-01	1.04E+00	3.44E+00	U
WD	STJ	432957023	9/13/2017	Cr-51	-1.73E+00	9.37E+00	3.14E+01	U
WD	STJ	432957023	9/13/2017	Cs-134	-2.97E-01	1.02E+00	3.34E+00	U
WD	STJ	432957023	9/13/2017	Cs-137	-6.19E-02	1.10E+00	3.49E+00	U
WD	STJ	432957023	9/13/2017	Fe-59	1.19E+00	2.29E+00	7.76E+00	U
WD	STJ	432957023	9/13/2017	I-131	2.61E-01	1.57E+00	5.06E+00	U
WD	STJ	432957023	9/13/2017	K-40	2.64E+00	1.98E+01	4.20E+01	U
WD	STJ	432957023	9/13/2017	La-140	-5.53E-01	1.23E+00	3.82E+00	U
WD	STJ	432957023	9/13/2017	Mn-54	-1.27E+00	1.02E+00	2.93E+00	U
WD	STJ	432957023	9/13/2017	Nb-95	1.92E-01	1.02E+00	3.50E+00	U
WD	STJ	432957023	9/13/2017	Ru-103	9.97E-01	1.13E+00	3.47E+00	U
WD	STJ	432957023	9/13/2017	Ru-106	1.15E+01	9.89E+00	3.30E+01	U
WD	STJ	432957023	9/13/2017	Sb-124	-3.01E+00	3.44E+00	8.40E+00	U
WD	STJ	432957023	9/13/2017	Sb-125	5.16E-01	2.84E+00	9.49E+00	U
WD	STJ	432957023	9/13/2017	Se-75	8.51E-01	1.32E+00	4.17E+00	U
WD	STJ	432957023	9/13/2017	Th-228	1.08E+01	2.90E+00	5.23E+00	
WD	STJ	432957023	9/13/2017	Zn-65	3.93E+00	2.64E+00	9.07E+00	U
WD	STJ	432957023	9/13/2017	Zr-95	-5.72E-01	1.60E+00	5.23E+00	U
WD	STJ	432957024	9/13/2017	I-131	-4.24E-01	2.50E-01	8.81E-01	U
WD	LTW	432957025	9/13/2017	Ac-228	-9.18E+00	5.21E+00	1.05E+01	U
WD	LTW	432957025	9/13/2017	Ag-108m	-7.18E-01	1.07E+00	3.21E+00	U
WD	LTW	432957025	9/13/2017	Ag-110m	-2.40E+00	1.62E+00	4.15E+00	U
WD	LTW	432957025	9/13/2017	Ba-140	-8.81E+00	4.72E+00	1.19E+01	U
WD	LTW	432957025	9/13/2017	Be-7	-1.29E+01	1.04E+01	3.16E+01	U
WD	LTW	432957025	9/13/2017	BETA	2.87E+00	1.15E+00	3.14E+00	U
WD	LTW	432957025	9/13/2017	Ce-141	-1.81E+00	2.02E+00	5.91E+00	U
WD	LTW	432957025	9/13/2017	Ce-144	-4.98E+00	7.79E+00	2.14E+01	U
WD	LTW	432957025	9/13/2017	Co-57	-9.73E-01	9.62E-01	2.81E+00	U
WD	LTW	432957025	9/13/2017	Co-58	1.65E-01	1.04E+00	3.42E+00	U
WD	LTW	432957025	9/13/2017	Co-60	7.85E-01	1.32E+00	4.53E+00	U
WD	LTW	432957025	9/13/2017	Cr-51	-1.42E+01	1.04E+01	2.98E+01	U
WD	LTW	432957025	9/13/2017	Cs-134	1.02E+00	1.11E+00	3.83E+00	U
WD	LTW	432957025	9/13/2017	Cs-137	-1.61E-01	1.05E+00	3.32E+00	U
WD	LTW	432957025	9/13/2017	Fe-59	3.20E+00	2.50E+00	8.80E+00	U
WD	LTW	432957025	9/13/2017	I-131	1.57E+00	1.71E+00	5.70E+00	U
WD	LTW	432957025	9/13/2017	K-40	-7.75E+00	1.48E+01	4.90E+01	U
WD	LTW	432957025	9/13/2017	La-140	-1.46E+00	2.11E+00	6.15E+00	U
WD	LTW	432957025	9/13/2017	Mn-54	-8.00E-01	1.20E+00	3.64E+00	U
WD	LTW	432957025	9/13/2017	Nb-95	-6.29E-01	1.18E+00	3.67E+00	U
WD	LTW	432957025	9/13/2017	Ru-103	-4.68E-01	1.04E+00	3.39E+00	U
WD	LTW	432957025	9/13/2017	Ru-106	1.64E+01	1.13E+01	3.54E+01	U
WD	LTW	432957025	9/13/2017	Sb-124	-9.93E-01	2.94E+00	9.45E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	432957025	9/13/2017	Sb-125	3.94E-01	2.93E+00	9.44E+00	U
WD	LTW	432957025	9/13/2017	Se-75	1.06E+00	1.48E+00	4.99E+00	U
WD	LTW	432957025	9/13/2017	Th-228	1.94E-01	4.30E+00	8.14E+00	U
WD	LTW	432957025	9/13/2017	Zn-65	1.97E-02	2.99E+00	8.67E+00	U
WD	LTW	432957025	9/13/2017	Zr-95	3.52E-01	1.60E+00	5.33E+00	U
WD	LTW	432957026	9/13/2017	I-131	-6.49E-01	2.06E-01	7.92E-01	U
WD	STJ	433918023	9/27/2017	Ac-228	-1.57E+00	4.17E+00	1.45E+01	U
WD	STJ	433918023	9/27/2017	Ag-108m	-3.72E-01	8.66E-01	2.78E+00	U
WD	STJ	433918023	9/27/2017	Ag-110m	-1.10E+00	1.21E+00	3.26E+00	U
WD	STJ	433918023	9/27/2017	Ba-140	4.02E+00	5.15E+00	1.76E+01	U
WD	STJ	433918023	9/27/2017	Be-7	1.61E+00	9.02E+00	3.01E+01	U
WD	STJ	433918023	9/27/2017	BETA	2.47E+00	1.15E+00	3.19E+00	U
WD	STJ	433918023	9/27/2017	Ce-141	-2.39E+00	1.93E+00	5.47E+00	U
WD	STJ	433918023	9/27/2017	Ce-144	-5.61E+00	6.91E+00	2.07E+01	U
WD	STJ	433918023	9/27/2017	Co-57	-8.15E-01	9.27E-01	2.77E+00	U
WD	STJ	433918023	9/27/2017	Co-58	1.36E+00	9.70E-01	3.39E+00	U
WD	STJ	433918023	9/27/2017	Co-60	-6.30E-01	1.06E+00	3.21E+00	U
WD	STJ	433918023	9/27/2017	Cr-51	-3.17E+00	8.02E+00	2.63E+01	U
WD	STJ	433918023	9/27/2017	Cs-134	1.69E+00	1.20E+00	4.13E+00	U
WD	STJ	433918023	9/27/2017	Cs-137	1.74E+00	1.12E+00	3.86E+00	U
WD	STJ	433918023	9/27/2017	Fe-59	-1.08E-01	1.84E+00	6.13E+00	U
WD	STJ	433918023	9/27/2017	I-131	-7.95E-01	2.08E+00	6.79E+00	U
WD	STJ	433918023	9/27/2017	K-40	-1.90E+01	1.67E+01	5.31E+01	U
WD	STJ	433918023	9/27/2017	La-140	1.43E+00	1.87E+00	6.59E+00	U
WD	STJ	433918023	9/27/2017	Mn-54	-9.01E-01	9.48E-01	2.61E+00	U
WD	STJ	433918023	9/27/2017	Nb-95	-3.23E-01	9.66E-01	2.98E+00	U
WD	STJ	433918023	9/27/2017	Ru-103	2.69E-01	9.84E-01	3.31E+00	U
WD	STJ	433918023	9/27/2017	Ru-106	2.81E+00	7.92E+00	2.65E+01	U
WD	STJ	433918023	9/27/2017	Sb-124	-2.17E+00	2.21E+00	5.67E+00	U
WD	STJ	433918023	9/27/2017	Sb-125	3.91E+00	2.72E+00	9.38E+00	U
WD	STJ	433918023	9/27/2017	Se-75	2.29E-01	1.24E+00	4.27E+00	U
WD	STJ	433918023	9/27/2017	Th-228	4.30E+00	3.54E+00	8.19E+00	U
WD	STJ	433918023	9/27/2017	Zn-65	-1.12E+00	1.44E+00	4.17E+00	U
WD	STJ	433918023	9/27/2017	Zr-95	2.02E+00	1.84E+00	6.32E+00	U
WD	STJ	433918024	9/27/2017	I-131	-1.31E-01	1.82E-01	6.08E-01	U
WD	LTW	433918025	9/27/2017	Ac-228	1.06E+00	5.01E+00	8.98E+00	U
WD	LTW	433918025	9/27/2017	Ag-108m	5.12E-01	7.54E-01	2.57E+00	U
WD	LTW	433918025	9/27/2017	Ag-110m	-5.44E-02	9.98E-01	3.36E+00	U
WD	LTW	433918025	9/27/2017	Ba-140	4.80E+00	4.95E+00	1.68E+01	U
WD	LTW	433918025	9/27/2017	Be-7	-1.14E+01	8.34E+00	2.37E+01	U
WD	LTW	433918025	9/27/2017	BETA	1.89E+00	1.16E+00	3.42E+00	U
WD	LTW	433918025	9/27/2017	Ce-141	2.05E+00	1.74E+00	5.25E+00	U
WD	LTW	433918025	9/27/2017	Ce-144	-4.44E+00	6.47E+00	2.00E+01	U
WD	LTW	433918025	9/27/2017	Co-57	-1.13E+00	8.54E-01	2.49E+00	U
WD	LTW	433918025	9/27/2017	Co-58	-1.07E+00	7.62E-01	2.11E+00	U
WD	LTW	433918025	9/27/2017	Co-60	1.10E+00	8.28E-01	3.00E+00	U
WD	LTW	433918025	9/27/2017	Cr-51	2.51E+00	8.65E+00	2.96E+01	U
WD	LTW	433918025	9/27/2017	Cs-134	2.08E+00	1.01E+00	3.40E+00	U
WD	LTW	433918025	9/27/2017	Cs-137	-2.84E-01	7.80E-01	2.41E+00	U
WD	LTW	433918025	9/27/2017	Fe-59	-1.33E+00	1.70E+00	5.11E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	433918025	9/27/2017	I-131	2.11E+00	1.65E+00	5.65E+00	U
WD	LTW	433918025	9/27/2017	K-40	3.79E-01	1.45E+01	4.66E+01	U
WD	LTW	433918025	9/27/2017	La-140	-7.02E-02	1.71E+00	5.47E+00	U
WD	LTW	433918025	9/27/2017	Mn-54	9.58E-01	8.25E-01	2.93E+00	U
WD	LTW	433918025	9/27/2017	Nb-95	4.89E-01	1.07E+00	3.50E+00	U
WD	LTW	433918025	9/27/2017	Ru-103	-1.11E+00	1.08E+00	3.23E+00	U
WD	LTW	433918025	9/27/2017	Ru-106	8.74E+00	7.88E+00	2.67E+01	U
WD	LTW	433918025	9/27/2017	Sb-124	7.22E-01	1.92E+00	6.47E+00	U
WD	LTW	433918025	9/27/2017	Sb-125	1.52E+00	2.40E+00	8.17E+00	U
WD	LTW	433918025	9/27/2017	Se-75	-2.83E-01	1.21E+00	4.09E+00	U
WD	LTW	433918025	9/27/2017	Th-228	2.39E+00	3.64E+00	7.19E+00	U
WD	LTW	433918025	9/27/2017	Zn-65	-3.64E-01	1.87E+00	6.10E+00	U
WD	LTW	433918025	9/27/2017	Zr-95	7.13E-01	1.48E+00	4.89E+00	U
WD	LTW	433918026	9/27/2017	I-131	3.12E-01	1.09E-01	3.21E-01	U
WD	STJ	436576001	9/27/2017	H-3	-9.23E+01	3.13E+02	1.05E+03	U
WD	LTW	436576002	9/27/2017	H-3	-8.80E+01	3.07E+02	1.03E+03	U
WD	STJ	435246023	10/11/2017	Ac-228	-4.20E+00	5.98E+00	1.84E+01	U
WD	STJ	435246023	10/11/2017	Ag-108m	-1.22E+00	1.12E+00	2.85E+00	U
WD	STJ	435246023	10/11/2017	Ag-110m	1.15E+00	1.57E+00	5.64E+00	U
WD	STJ	435246023	10/11/2017	Ba-140	-1.05E+01	9.29E+00	2.40E+01	U
WD	STJ	435246023	10/11/2017	Be-7	-3.27E+00	1.10E+01	3.58E+01	U
WD	STJ	435246023	10/11/2017	BETA	9.26E-01	8.62E-01	2.55E+00	U
WD	STJ	435246023	10/11/2017	Ce-141	-2.48E+00	2.40E+00	7.18E+00	U
WD	STJ	435246023	10/11/2017	Ce-144	-4.77E-01	7.44E+00	2.43E+01	U
WD	STJ	435246023	10/11/2017	Co-57	-6.81E-01	9.68E-01	3.03E+00	U
WD	STJ	435246023	10/11/2017	Co-58	6.38E-01	1.28E+00	4.31E+00	U
WD	STJ	435246023	10/11/2017	Co-60	1.79E-01	1.56E+00	4.90E+00	U
WD	STJ	435246023	10/11/2017	Cr-51	-9.00E+00	1.28E+01	4.15E+01	U
WD	STJ	435246023	10/11/2017	Cs-134	8.91E-01	1.18E+00	4.08E+00	U
WD	STJ	435246023	10/11/2017	Cs-137	-2.52E+00	1.36E+00	3.04E+00	U
WD	STJ	435246023	10/11/2017	Fe-59	-6.09E-01	3.23E+00	1.06E+01	U
WD	STJ	435246023	10/11/2017	I-131	3.56E-01	3.70E+00	1.26E+01	U
WD	STJ	435246023	10/11/2017	K-40	-3.98E+01	1.83E+01	3.76E+01	U
WD	STJ	435246023	10/11/2017	La-140	6.75E-01	3.97E+00	1.31E+01	U
WD	STJ	435246023	10/11/2017	Mn-54	9.29E-01	1.23E+00	4.19E+00	U
WD	STJ	435246023	10/11/2017	Nb-95	-2.34E-01	1.44E+00	4.54E+00	U
WD	STJ	435246023	10/11/2017	Ru-103	-7.36E-01	1.45E+00	4.60E+00	U
WD	STJ	435246023	10/11/2017	Ru-106	-4.06E-01	9.62E+00	3.12E+01	U
WD	STJ	435246023	10/11/2017	Sb-124	4.74E+00	3.72E+00	1.37E+01	U
WD	STJ	435246023	10/11/2017	Sb-125	6.67E+00	8.21E+00	1.08E+01	U
WD	STJ	435246023	10/11/2017	Se-75	-1.84E+00	1.81E+00	5.10E+00	U
WD	STJ	435246023	10/11/2017	Th-228	-2.27E+00	2.90E+00	7.75E+00	U
WD	STJ	435246023	10/11/2017	Zn-65	8.91E+00	3.94E+00	8.18E+00	UI
WD	STJ	435246023	10/11/2017	Zr-95	-1.17E+00	2.22E+00	6.59E+00	U
WD	STJ	435246024	10/11/2017	I-131	3.35E-01	2.22E-01	7.00E-01	U
WD	LTW	435246025	10/11/2017	Ac-228	-3.45E-01	5.28E+00	1.75E+01	U
WD	LTW	435246025	10/11/2017	Ag-108m	-2.37E-03	9.39E-01	3.12E+00	U
WD	LTW	435246025	10/11/2017	Ag-110m	1.68E+00	1.49E+00	5.37E+00	U
WD	LTW	435246025	10/11/2017	Ba-140	-2.93E+00	7.79E+00	2.46E+01	U
WD	LTW	435246025	10/11/2017	Be-7	6.77E-02	9.94E+00	3.28E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	435246025	10/11/2017	BETA	1.12E+00	9.51E-01	2.83E+00	U
WD	LTW	435246025	10/11/2017	Ce-141	8.59E+00	4.53E+00	7.11E+00	UI
WD	LTW	435246025	10/11/2017	Ce-144	1.29E+01	7.97E+00	2.57E+01	U
WD	LTW	435246025	10/11/2017	Co-57	8.55E-01	9.73E-01	3.21E+00	U
WD	LTW	435246025	10/11/2017	Co-58	-9.19E-01	1.18E+00	3.50E+00	U
WD	LTW	435246025	10/11/2017	Co-60	1.07E+00	1.05E+00	3.83E+00	U
WD	LTW	435246025	10/11/2017	Cr-51	1.17E+01	1.33E+01	4.61E+01	U
WD	LTW	435246025	10/11/2017	Cs-134	7.27E-01	1.29E+00	4.28E+00	U
WD	LTW	435246025	10/11/2017	Cs-137	7.37E-01	1.08E+00	3.67E+00	U
WD	LTW	435246025	10/11/2017	Fe-59	8.38E-01	2.28E+00	7.86E+00	U
WD	LTW	435246025	10/11/2017	I-131	-2.87E+00	3.81E+00	1.20E+01	U
WD	LTW	435246025	10/11/2017	K-40	-3.20E+01	1.80E+01	4.85E+01	U
WD	LTW	435246025	10/11/2017	La-140	-3.64E-01	2.46E+00	7.73E+00	U
WD	LTW	435246025	10/11/2017	Mn-54	4.51E-01	1.14E+00	3.56E+00	U
WD	LTW	435246025	10/11/2017	Nb-95	6.57E-01	1.48E+00	4.85E+00	U
WD	LTW	435246025	10/11/2017	Ru-103	-9.10E-01	1.38E+00	4.27E+00	U
WD	LTW	435246025	10/11/2017	Ru-106	9.72E+00	1.10E+01	3.72E+01	U
WD	LTW	435246025	10/11/2017	Sb-124	-3.46E+00	3.61E+00	9.63E+00	U
WD	LTW	435246025	10/11/2017	Sb-125	-2.28E+00	3.07E+00	9.54E+00	U
WD	LTW	435246025	10/11/2017	Se-75	2.82E+00	1.74E+00	5.53E+00	U
WD	LTW	435246025	10/11/2017	Th-228	-3.31E+00	3.08E+00	8.32E+00	U
WD	LTW	435246025	10/11/2017	Zn-65	1.51E+00	2.73E+00	8.54E+00	U
WD	LTW	435246025	10/11/2017	Zr-95	3.87E-01	1.70E+00	5.57E+00	U
WD	LTW	435246026	10/11/2017	I-131	4.23E-01	2.87E-01	9.17E-01	U
WD	STJ	436477023	10/25/2017	Ac-228	2.50E+00	6.94E+00	2.38E+01	U
WD	STJ	436477023	10/25/2017	Ag-108m	-1.04E+00	1.31E+00	3.97E+00	U
WD	STJ	436477023	10/25/2017	Ag-110m	-3.58E-01	1.71E+00	5.57E+00	U
WD	STJ	436477023	10/25/2017	Ba-140	7.14E+00	5.81E+00	2.04E+01	U
WD	STJ	436477023	10/25/2017	Be-7	-5.05E+00	1.08E+01	3.36E+01	U
WD	STJ	436477023	10/25/2017	BETA	1.93E+00	9.80E-01	2.43E+00	U
WD	STJ	436477023	10/25/2017	Ce-141	6.85E-01	3.46E+00	6.01E+00	U
WD	STJ	436477023	10/25/2017	Ce-144	2.41E+01	1.17E+01	2.17E+01	UI
WD	STJ	436477023	10/25/2017	Co-57	-6.04E-01	9.69E-01	2.71E+00	U
WD	STJ	436477023	10/25/2017	Co-58	-1.82E-01	1.48E+00	4.92E+00	U
WD	STJ	436477023	10/25/2017	Co-60	-3.97E-01	1.78E+00	5.61E+00	U
WD	STJ	436477023	10/25/2017	Cr-51	1.57E+00	1.16E+01	3.93E+01	U
WD	STJ	436477023	10/25/2017	Cs-134	1.64E+00	1.36E+00	4.98E+00	U
WD	STJ	436477023	10/25/2017	Cs-137	-7.41E-01	1.73E+00	5.28E+00	U
WD	STJ	436477023	10/25/2017	Fe-59	1.56E+00	2.28E+00	7.51E+00	U
WD	STJ	436477023	10/25/2017	I-131	-2.17E+00	2.13E+00	6.34E+00	U
WD	STJ	436477023	10/25/2017	K-40	5.59E+00	2.25E+01	7.51E+01	U
WD	STJ	436477023	10/25/2017	La-140	-2.99E+00	2.32E+00	5.78E+00	U
WD	STJ	436477023	10/25/2017	Mn-54	4.38E-01	1.24E+00	4.32E+00	U
WD	STJ	436477023	10/25/2017	Nb-95	5.61E-01	1.47E+00	5.11E+00	U
WD	STJ	436477023	10/25/2017	Ru-103	1.08E+00	1.55E+00	5.25E+00	U
WD	STJ	436477023	10/25/2017	Ru-106	-9.43E+00	1.39E+01	4.10E+01	U
WD	STJ	436477023	10/25/2017	Sb-124	2.87E+00	3.52E+00	1.29E+01	U
WD	STJ	436477023	10/25/2017	Sb-125	-2.28E+00	3.41E+00	1.05E+01	U
WD	STJ	436477023	10/25/2017	Se-75	-1.62E-01	1.30E+00	4.37E+00	U
WD	STJ	436477023	10/25/2017	Th-228	-3.11E+00	2.61E+00	8.19E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	436477023	10/25/2017	Zn-65	2.03E+00	3.60E+00	1.16E+01	U
WD	STJ	436477023	10/25/2017	Zr-95	3.48E+00	2.68E+00	9.65E+00	U
WD	STJ	436477024	10/25/2017	I-131	-1.13E-01	2.53E-01	8.52E-01	U
WD	LTW	436477025	10/25/2017	Ac-228	-1.03E+01	7.67E+00	2.03E+01	U
WD	LTW	436477025	10/25/2017	Ag-108m	-1.96E+00	1.44E+00	4.16E+00	U
WD	LTW	436477025	10/25/2017	Ag-110m	2.94E+00	1.81E+00	6.42E+00	U
WD	LTW	436477025	10/25/2017	Ba-140	4.66E+00	6.38E+00	2.20E+01	U
WD	LTW	436477025	10/25/2017	Be-7	3.29E-02	1.18E+01	3.94E+01	U
WD	LTW	436477025	10/25/2017	BETA	2.55E+00	1.07E+00	2.89E+00	U
WD	LTW	436477025	10/25/2017	Ce-141	-1.04E+00	2.92E+00	9.13E+00	U
WD	LTW	436477025	10/25/2017	Ce-144	1.78E+01	1.09E+01	3.47E+01	U
WD	LTW	436477025	10/25/2017	Co-57	1.59E-01	1.50E+00	4.84E+00	U
WD	LTW	436477025	10/25/2017	Co-58	5.10E-01	1.14E+00	3.86E+00	U
WD	LTW	436477025	10/25/2017	Co-60	-6.84E-01	1.47E+00	4.58E+00	U
WD	LTW	436477025	10/25/2017	Cr-51	-3.51E+00	1.19E+01	3.98E+01	U
WD	LTW	436477025	10/25/2017	Cs-134	4.09E-02	1.38E+00	4.47E+00	U
WD	LTW	436477025	10/25/2017	Cs-137	-2.85E+00	2.00E+00	4.79E+00	U
WD	LTW	436477025	10/25/2017	Fe-59	1.30E+00	2.52E+00	8.97E+00	U
WD	LTW	436477025	10/25/2017	I-131	1.81E+00	2.39E+00	8.31E+00	U
WD	LTW	436477025	10/25/2017	K-40	-2.17E+01	2.33E+01	7.98E+01	U
WD	LTW	436477025	10/25/2017	La-140	-2.34E+00	2.37E+00	6.40E+00	U
WD	LTW	436477025	10/25/2017	Mn-54	-1.49E+00	1.44E+00	3.97E+00	U
WD	LTW	436477025	10/25/2017	Nb-95	-8.05E-01	1.32E+00	3.94E+00	U
WD	LTW	436477025	10/25/2017	Ru-103	1.18E-01	1.33E+00	4.45E+00	U
WD	LTW	436477025	10/25/2017	Ru-106	-5.84E+00	1.22E+01	3.80E+01	U
WD	LTW	436477025	10/25/2017	Sb-124	-9.06E-02	3.54E+00	1.16E+01	U
WD	LTW	436477025	10/25/2017	Sb-125	3.39E+00	4.18E+00	1.44E+01	U
WD	LTW	436477025	10/25/2017	Se-75	4.31E-01	2.01E+00	6.95E+00	U
WD	LTW	436477025	10/25/2017	Th-228	2.17E+00	5.58E+00	1.24E+01	U
WD	LTW	436477025	10/25/2017	Zn-65	6.44E-01	2.93E+00	1.01E+01	U
WD	LTW	436477025	10/25/2017	Zr-95	2.95E+00	1.95E+00	7.08E+00	U
WD	LTW	436477026	10/25/2017	I-131	2.09E-01	2.65E-01	8.34E-01	U
WD	STJ	437609023	11/8/2017	Ac-228	-4.00E+00	6.01E+00	1.86E+01	U
WD	STJ	437609023	11/8/2017	Ag-108m	9.57E-01	1.17E+00	3.13E+00	U
WD	STJ	437609023	11/8/2017	Ag-110m	8.19E-01	2.04E+00	6.34E+00	U
WD	STJ	437609023	11/8/2017	Ba-140	-5.18E-01	6.13E+00	1.87E+01	U
WD	STJ	437609023	11/8/2017	Be-7	1.99E+01	1.63E+01	3.65E+01	U
WD	STJ	437609023	11/8/2017	BETA	1.74E+00	7.68E-01	1.94E+00	U
WD	STJ	437609023	11/8/2017	Ce-141	3.34E+00	2.95E+00	6.73E+00	U
WD	STJ	437609023	11/8/2017	Ce-144	-4.05E+00	7.04E+00	2.15E+01	U
WD	STJ	437609023	11/8/2017	Co-57	2.77E-01	8.56E-01	2.79E+00	U
WD	STJ	437609023	11/8/2017	Co-58	-8.45E-01	1.26E+00	3.86E+00	U
WD	STJ	437609023	11/8/2017	Co-60	1.91E-02	1.49E+00	4.84E+00	U
WD	STJ	437609023	11/8/2017	Cr-51	4.27E+00	1.04E+01	3.57E+01	U
WD	STJ	437609023	11/8/2017	Cs-134	-1.17E+00	1.77E+00	5.57E+00	U
WD	STJ	437609023	11/8/2017	Cs-137	8.85E-01	1.76E+00	5.81E+00	U
WD	STJ	437609023	11/8/2017	Fe-59	3.55E+00	3.57E+00	1.25E+01	U
WD	STJ	437609023	11/8/2017	I-131	1.55E+00	1.95E+00	6.78E+00	U
WD	STJ	437609023	11/8/2017	K-40	6.13E+01	1.61E+01	4.40E+01	UI
WD	STJ	437609023	11/8/2017	La-140	6.26E-01	1.76E+00	6.29E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	437609023	11/8/2017	Mn-54	1.05E-01	1.26E+00	4.27E+00	U
WD	STJ	437609023	11/8/2017	Nb-95	1.78E+00	2.12E+00	6.49E+00	U
WD	STJ	437609023	11/8/2017	Ru-103	-2.36E+00	1.65E+00	4.08E+00	U
WD	STJ	437609023	11/8/2017	Ru-106	-8.72E+00	1.31E+01	3.85E+01	U
WD	STJ	437609023	11/8/2017	Sb-124	1.67E+00	3.90E+00	1.37E+01	U
WD	STJ	437609023	11/8/2017	Sb-125	2.63E+00	3.96E+00	1.23E+01	U
WD	STJ	437609023	11/8/2017	Se-75	1.02E+00	1.47E+00	5.12E+00	U
WD	STJ	437609023	11/8/2017	Th-228	1.46E-01	2.55E+00	8.63E+00	U
WD	STJ	437609023	11/8/2017	Zn-65	-1.47E+00	2.06E+00	5.76E+00	U
WD	STJ	437609023	11/8/2017	Zr-95	-7.39E-01	2.57E+00	8.47E+00	U
WD	STJ	437609024	11/8/2017	I-131	3.16E-01	2.44E-01	7.45E-01	U
WD	LTW	437609025	11/8/2017	Ac-228	-6.82E+00	6.32E+00	1.78E+01	U
WD	LTW	437609025	11/8/2017	Ag-108m	-8.80E-01	1.09E+00	3.16E+00	U
WD	LTW	437609025	11/8/2017	Ag-110m	1.38E+00	2.14E+00	7.25E+00	U
WD	LTW	437609025	11/8/2017	Ba-140	-8.11E-01	6.20E+00	2.06E+01	U
WD	LTW	437609025	11/8/2017	Be-7	8.73E+00	1.12E+01	3.96E+01	U
WD	LTW	437609025	11/8/2017	BETA	1.14E+00	7.85E-01	2.20E+00	U
WD	LTW	437609025	11/8/2017	Ce-141	1.03E+00	2.51E+00	7.36E+00	U
WD	LTW	437609025	11/8/2017	Ce-144	-3.25E+00	8.94E+00	2.74E+01	U
WD	LTW	437609025	11/8/2017	Co-57	3.99E-02	1.08E+00	3.41E+00	U
WD	LTW	437609025	11/8/2017	Co-58	-1.60E-02	1.20E+00	3.88E+00	U
WD	LTW	437609025	11/8/2017	Co-60	-1.16E-02	1.57E+00	5.13E+00	U
WD	LTW	437609025	11/8/2017	Cr-51	-1.25E+01	1.36E+01	4.09E+01	U
WD	LTW	437609025	11/8/2017	Cs-134	2.24E+00	1.43E+00	5.09E+00	U
WD	LTW	437609025	11/8/2017	Cs-137	-1.21E+00	1.45E+00	4.35E+00	U
WD	LTW	437609025	11/8/2017	Fe-59	-3.93E+00	3.38E+00	9.51E+00	U
WD	LTW	437609025	11/8/2017	I-131	-3.39E+00	2.52E+00	6.95E+00	U
WD	LTW	437609025	11/8/2017	K-40	-2.83E+01	1.80E+01	5.10E+01	U
WD	LTW	437609025	11/8/2017	La-140	-4.21E+00	3.40E+00	8.80E+00	U
WD	LTW	437609025	11/8/2017	Mn-54	-6.07E-01	2.00E+00	5.45E+00	U
WD	LTW	437609025	11/8/2017	Nb-95	-6.60E-01	1.36E+00	4.18E+00	U
WD	LTW	437609025	11/8/2017	Ru-103	-1.54E+00	1.40E+00	4.20E+00	U
WD	LTW	437609025	11/8/2017	Ru-106	-9.46E+00	1.22E+01	3.71E+01	U
WD	LTW	437609025	11/8/2017	Sb-124	8.99E-01	4.51E+00	1.54E+01	U
WD	LTW	437609025	11/8/2017	Sb-125	2.93E+00	3.65E+00	1.17E+01	U
WD	LTW	437609025	11/8/2017	Se-75	-2.09E+00	1.70E+00	4.96E+00	U
WD	LTW	437609025	11/8/2017	Th-228	6.71E+00	3.71E+00	9.52E+00	U
WD	LTW	437609025	11/8/2017	Zn-65	-3.04E+00	2.61E+00	6.96E+00	U
WD	LTW	437609025	11/8/2017	Zr-95	2.43E+00	2.38E+00	8.34E+00	U
WD	LTW	437609026	11/8/2017	I-131	-7.22E-01	2.09E-01	7.55E-01	U
WD	STJ	438632023	11/22/2017	Ac-228	1.03E+00	6.14E+00	2.04E+01	U
WD	STJ	438632023	11/22/2017	Ag-108m	8.17E-01	1.16E+00	3.99E+00	U
WD	STJ	438632023	11/22/2017	Ag-110m	1.72E-01	1.60E+00	5.50E+00	U
WD	STJ	438632023	11/22/2017	Ba-140	2.67E+00	6.30E+00	2.14E+01	U
WD	STJ	438632023	11/22/2017	Be-7	1.61E+01	1.11E+01	3.86E+01	U
WD	STJ	438632023	11/22/2017	BETA	3.07E+00	1.16E+00	3.12E+00	U
WD	STJ	438632023	11/22/2017	Ce-141	-6.31E+00	2.84E+00	6.84E+00	U
WD	STJ	438632023	11/22/2017	Ce-144	-8.65E-01	8.69E+00	2.81E+01	U
WD	STJ	438632023	11/22/2017	Co-57	6.14E-01	1.24E+00	3.81E+00	U
WD	STJ	438632023	11/22/2017	Co-58	1.07E+00	1.34E+00	4.54E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	438632023	11/22/2017	Co-60	1.44E+00	1.49E+00	5.32E+00	U
WD	STJ	438632023	11/22/2017	Cr-51	8.16E+00	1.25E+01	4.34E+01	U
WD	STJ	438632023	11/22/2017	Cs-134	1.07E+00	1.12E+00	3.92E+00	U
WD	STJ	438632023	11/22/2017	Cs-137	-1.73E+00	1.39E+00	3.73E+00	U
WD	STJ	438632023	11/22/2017	Fe-59	4.07E+00	3.02E+00	1.09E+01	U
WD	STJ	438632023	11/22/2017	I-131	2.10E+00	2.58E+00	8.99E+00	U
WD	STJ	438632023	11/22/2017	K-40	-2.92E+01	1.79E+01	4.15E+01	U
WD	STJ	438632023	11/22/2017	La-140	8.97E-01	2.22E+00	7.62E+00	U
WD	STJ	438632023	11/22/2017	Mn-54	2.68E-01	1.36E+00	4.40E+00	U
WD	STJ	438632023	11/22/2017	Nb-95	-4.89E-02	1.13E+00	3.60E+00	U
WD	STJ	438632023	11/22/2017	Ru-103	-5.17E-01	1.15E+00	3.64E+00	U
WD	STJ	438632023	11/22/2017	Ru-106	5.29E+00	1.09E+01	3.50E+01	U
WD	STJ	438632023	11/22/2017	Sb-124	-1.07E+00	3.15E+00	9.50E+00	U
WD	STJ	438632023	11/22/2017	Sb-125	-3.42E+00	2.80E+00	7.92E+00	U
WD	STJ	438632023	11/22/2017	Se-75	6.53E-01	1.57E+00	5.03E+00	U
WD	STJ	438632023	11/22/2017	Th-228	6.56E-01	2.68E+00	8.82E+00	U
WD	STJ	438632023	11/22/2017	Zn-65	-2.33E+00	2.61E+00	7.56E+00	U
WD	STJ	438632023	11/22/2017	Zr-95	3.26E-01	2.21E+00	7.18E+00	U
WD	STJ	438632024	11/22/2017	I-131	-7.62E-02	1.88E-01	6.24E-01	U
WD	LTW	438632025	11/22/2017	Ac-228	-6.25E+00	5.91E+00	1.72E+01	U
WD	LTW	438632025	11/22/2017	Ag-108m	6.38E-03	9.71E-01	3.26E+00	U
WD	LTW	438632025	11/22/2017	Ag-110m	4.01E-02	1.39E+00	4.74E+00	U
WD	LTW	438632025	11/22/2017	Ba-140	-5.09E+00	5.51E+00	1.58E+01	U
WD	LTW	438632025	11/22/2017	Be-7	2.92E+00	1.03E+01	3.50E+01	U
WD	LTW	438632025	11/22/2017	BETA	1.72E+00	1.14E+00	3.41E+00	U
WD	LTW	438632025	11/22/2017	Ce-141	1.44E+00	2.31E+00	7.15E+00	U
WD	LTW	438632025	11/22/2017	Ce-144	1.28E+00	6.79E+00	2.25E+01	U
WD	LTW	438632025	11/22/2017	Co-57	2.26E+00	1.04E+00	3.35E+00	U
WD	LTW	438632025	11/22/2017	Co-58	3.42E+00	1.36E+00	4.68E+00	U
WD	LTW	438632025	11/22/2017	Co-60	1.42E+00	1.19E+00	4.43E+00	U
WD	LTW	438632025	11/22/2017	Cr-51	7.80E-01	1.00E+01	3.45E+01	U
WD	LTW	438632025	11/22/2017	Cs-134	2.29E-01	1.53E+00	3.55E+00	U
WD	LTW	438632025	11/22/2017	Cs-137	-5.84E-01	1.06E+00	3.17E+00	U
WD	LTW	438632025	11/22/2017	Fe-59	-4.16E+00	2.89E+00	7.44E+00	U
WD	LTW	438632025	11/22/2017	I-131	1.76E+00	2.20E+00	7.76E+00	U
WD	LTW	438632025	11/22/2017	K-40	-3.12E+01	1.95E+01	5.42E+01	U
WD	LTW	438632025	11/22/2017	La-140	-2.45E+00	2.29E+00	5.64E+00	U
WD	LTW	438632025	11/22/2017	Mn-54	-1.06E+00	1.33E+00	3.77E+00	U
WD	LTW	438632025	11/22/2017	Nb-95	-1.36E-01	1.20E+00	3.80E+00	U
WD	LTW	438632025	11/22/2017	Ru-103	-2.68E+00	1.47E+00	3.64E+00	U
WD	LTW	438632025	11/22/2017	Ru-106	6.40E+00	9.03E+00	3.14E+01	U
WD	LTW	438632025	11/22/2017	Sb-124	-3.84E+00	3.60E+00	9.04E+00	U
WD	LTW	438632025	11/22/2017	Sb-125	-2.22E+00	3.43E+00	1.09E+01	U
WD	LTW	438632025	11/22/2017	Se-75	-1.59E+00	1.76E+00	5.04E+00	U
WD	LTW	438632025	11/22/2017	Th-228	7.44E+00	4.85E+00	9.17E+00	U
WD	LTW	438632025	11/22/2017	Zn-65	1.98E+00	3.25E+00	1.03E+01	U
WD	LTW	438632025	11/22/2017	Zr-95	-5.74E-01	1.91E+00	5.86E+00	U
WD	LTW	438632026	11/22/2017	I-131	-9.09E-02	2.13E-01	7.09E-01	U
WD	STJ	439663023	12/6/2017	Ac-228	3.76E+00	7.21E+00	1.09E+01	U
WD	STJ	439663023	12/6/2017	Ag-108m	-8.78E-01	1.01E+00	3.14E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	STJ	439663023	12/6/2017	Ag-110m	-2.93E+00	1.64E+00	3.56E+00	U
WD	STJ	439663023	12/6/2017	Ba-140	4.38E-01	4.39E+00	1.46E+01	U
WD	STJ	439663023	12/6/2017	Be-7	-2.25E+00	9.28E+00	3.03E+01	U
WD	STJ	439663023	12/6/2017	BETA	9.11E-01	7.37E-01	2.12E+00	U
WD	STJ	439663023	12/6/2017	Ce-141	-3.55E+00	2.21E+00	5.73E+00	U
WD	STJ	439663023	12/6/2017	Ce-144	-5.91E+00	6.83E+00	2.07E+01	U
WD	STJ	439663023	12/6/2017	Co-57	2.61E+00	1.29E+00	3.05E+00	U
WD	STJ	439663023	12/6/2017	Co-58	7.34E-01	1.13E+00	3.80E+00	U
WD	STJ	439663023	12/6/2017	Co-60	-3.30E-01	1.24E+00	3.42E+00	U
WD	STJ	439663023	12/6/2017	Cr-51	-1.14E+01	9.96E+00	3.07E+01	U
WD	STJ	439663023	12/6/2017	Cs-134	9.19E-01	1.04E+00	3.60E+00	U
WD	STJ	439663023	12/6/2017	Cs-137	1.67E+00	2.19E+00	3.23E+00	U
WD	STJ	439663023	12/6/2017	Fe-59	5.40E+00	2.95E+00	8.52E+00	U
WD	STJ	439663023	12/6/2017	I-131	1.33E+00	1.54E+00	5.38E+00	U
WD	STJ	439663023	12/6/2017	K-40	4.47E+00	1.47E+01	5.55E+01	U
WD	STJ	439663023	12/6/2017	La-140	5.01E-01	1.54E+00	5.24E+00	U
WD	STJ	439663023	12/6/2017	Mn-54	4.27E-01	1.07E+00	3.55E+00	U
WD	STJ	439663023	12/6/2017	Nb-95	2.49E+00	1.37E+00	2.71E+00	U
WD	STJ	439663023	12/6/2017	Ru-103	-3.95E+00	1.76E+00	3.15E+00	U
WD	STJ	439663023	12/6/2017	Ru-106	-1.72E+01	1.10E+01	2.83E+01	U
WD	STJ	439663023	12/6/2017	Sb-124	1.85E+00	2.29E+00	8.30E+00	U
WD	STJ	439663023	12/6/2017	Sb-125	3.94E+00	2.76E+00	9.66E+00	U
WD	STJ	439663023	12/6/2017	Se-75	1.17E+00	1.40E+00	4.52E+00	U
WD	STJ	439663023	12/6/2017	Th-228	-7.07E+00	3.25E+00	7.91E+00	U
WD	STJ	439663023	12/6/2017	Zn-65	2.35E+00	2.42E+00	8.65E+00	U
WD	STJ	439663023	12/6/2017	Zr-95	-1.91E+00	1.82E+00	4.95E+00	U
WD	STJ	439663024	12/6/2017	I-131	1.55E-01	2.51E-01	8.15E-01	U
WD	LTW	439663025	12/6/2017	Ac-228	-7.04E+00	8.75E+00	2.49E+01	U
WD	LTW	439663025	12/6/2017	Ag-108m	2.48E-01	1.25E+00	4.30E+00	U
WD	LTW	439663025	12/6/2017	Ag-110m	-1.28E+00	2.39E+00	7.03E+00	U
WD	LTW	439663025	12/6/2017	Ba-140	-5.26E+00	6.76E+00	1.73E+01	U
WD	LTW	439663025	12/6/2017	Be-7	8.84E+00	1.61E+01	5.60E+01	U
WD	LTW	439663025	12/6/2017	BETA	2.16E+00	1.17E+00	3.35E+00	U
WD	LTW	439663025	12/6/2017	Ce-141	-3.17E+00	2.51E+00	6.65E+00	U
WD	LTW	439663025	12/6/2017	Ce-144	-1.33E+01	9.59E+00	2.77E+01	U
WD	LTW	439663025	12/6/2017	Co-57	3.07E-01	1.15E+00	3.89E+00	U
WD	LTW	439663025	12/6/2017	Co-58	6.91E-01	1.48E+00	5.07E+00	U
WD	LTW	439663025	12/6/2017	Co-60	1.78E+00	1.81E+00	6.75E+00	U
WD	LTW	439663025	12/6/2017	Cr-51	1.50E+01	1.46E+01	4.82E+01	U
WD	LTW	439663025	12/6/2017	Cs-134	-1.57E+00	1.86E+00	5.17E+00	U
WD	LTW	439663025	12/6/2017	Cs-137	2.96E+00	1.78E+00	6.31E+00	U
WD	LTW	439663025	12/6/2017	Fe-59	-1.74E+00	3.12E+00	9.58E+00	U
WD	LTW	439663025	12/6/2017	I-131	1.98E-01	2.45E+00	8.46E+00	U
WD	LTW	439663025	12/6/2017	K-40	-2.93E+01	2.59E+01	8.37E+01	U
WD	LTW	439663025	12/6/2017	La-140	2.69E+00	3.25E+00	1.17E+01	U
WD	LTW	439663025	12/6/2017	Mn-54	-5.65E-01	1.96E+00	6.09E+00	U
WD	LTW	439663025	12/6/2017	Nb-95	-4.17E-01	1.58E+00	4.94E+00	U
WD	LTW	439663025	12/6/2017	Ru-103	4.01E-01	1.77E+00	6.05E+00	U
WD	LTW	439663025	12/6/2017	Ru-106	5.45E+00	1.39E+01	4.76E+01	U
WD	LTW	439663025	12/6/2017	Sb-124	2.70E+00	3.97E+00	1.45E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	439663025	12/6/2017	Sb-125	7.78E+00	4.22E+00	1.51E+01	U
WD	LTW	439663025	12/6/2017	Se-75	1.55E+00	2.04E+00	6.73E+00	U
WD	LTW	439663025	12/6/2017	Th-228	6.67E+00	5.68E+00	1.18E+01	U
WD	LTW	439663025	12/6/2017	Zn-65	-1.11E+01	4.76E+00	7.92E+00	U
WD	LTW	439663025	12/6/2017	Zr-95	-1.55E+00	2.97E+00	8.92E+00	U
WD	LTW	439663026	12/6/2017	I-131	5.01E-01	2.72E-01	7.45E-01	U
WD	STJ	440693023	12/20/2017	Ac-228	3.61E+00	2.68E+00	8.31E+00	U
WD	STJ	440693023	12/20/2017	Ag-108m	9.17E-02	4.76E-01	1.61E+00	U
WD	STJ	440693023	12/20/2017	Ag-110m	1.26E+00	8.16E-01	2.79E+00	U
WD	STJ	440693023	12/20/2017	Ba-140	-4.11E+00	4.13E+00	1.27E+01	U
WD	STJ	440693023	12/20/2017	Be-7	-2.24E+01	9.84E+00	1.68E+01	U
WD	STJ	440693023	12/20/2017	BETA	1.80E+00	9.29E-01	2.54E+00	U
WD	STJ	440693023	12/20/2017	Ce-141	-1.50E+00	1.18E+00	3.57E+00	U
WD	STJ	440693023	12/20/2017	Ce-144	-8.05E-01	3.54E+00	1.15E+01	U
WD	STJ	440693023	12/20/2017	Co-57	-7.55E-02	4.61E-01	1.51E+00	U
WD	STJ	440693023	12/20/2017	Co-58	-7.62E-02	6.24E-01	1.97E+00	U
WD	STJ	440693023	12/20/2017	Co-60	-8.78E-01	7.86E-01	2.22E+00	U
WD	STJ	440693023	12/20/2017	Cr-51	-6.89E+00	6.51E+00	1.86E+01	U
WD	STJ	440693023	12/20/2017	Cs-134	1.79E+00	7.74E-01	2.24E+00	U
WD	STJ	440693023	12/20/2017	Cs-137	-2.14E-01	6.01E-01	1.91E+00	U
WD	STJ	440693023	12/20/2017	Fe-59	5.34E-01	1.24E+00	4.22E+00	U
WD	STJ	440693023	12/20/2017	I-131	-3.00E-01	1.71E+00	5.77E+00	U
WD	STJ	440693023	12/20/2017	K-40	7.23E+00	1.15E+01	2.20E+01	U
WD	STJ	440693023	12/20/2017	La-140	-1.08E+00	1.63E+00	4.16E+00	U
WD	STJ	440693023	12/20/2017	Mn-54	-9.43E-01	6.56E-01	1.79E+00	U
WD	STJ	440693023	12/20/2017	Nb-95	-8.73E-01	6.60E-01	1.85E+00	U
WD	STJ	440693023	12/20/2017	Ru-103	4.80E-01	6.59E-01	2.02E+00	U
WD	STJ	440693023	12/20/2017	Ru-106	1.50E+00	5.15E+00	1.70E+01	U
WD	STJ	440693023	12/20/2017	Sb-124	5.63E-01	3.13E+00	4.88E+00	U
WD	STJ	440693023	12/20/2017	Sb-125	-4.77E-01	1.47E+00	4.88E+00	U
WD	STJ	440693023	12/20/2017	Se-75	1.54E-01	8.10E-01	2.55E+00	U
WD	STJ	440693023	12/20/2017	Th-228	7.34E-01	1.75E+00	4.25E+00	U
WD	STJ	440693023	12/20/2017	Zn-65	-2.31E+00	1.38E+00	3.77E+00	U
WD	STJ	440693023	12/20/2017	Zr-95	-2.77E-02	1.15E+00	3.68E+00	U
WD	STJ	440693024	12/20/2017	I-131	3.20E-01	2.65E-01	8.47E-01	U
WD	LTW	440693025	12/20/2017	Ac-228	-3.36E+00	7.57E+00	2.02E+01	U
WD	LTW	440693025	12/20/2017	Ag-108m	1.24E-01	1.13E+00	3.71E+00	U
WD	LTW	440693025	12/20/2017	Ag-110m	-1.72E+00	2.17E+00	6.36E+00	U
WD	LTW	440693025	12/20/2017	Ba-140	-1.30E+01	1.36E+01	3.20E+01	U
WD	LTW	440693025	12/20/2017	Be-7	8.27E-02	1.26E+01	4.11E+01	U
WD	LTW	440693025	12/20/2017	BETA	1.51E+00	9.40E-01	2.65E+00	U
WD	LTW	440693025	12/20/2017	Ce-141	2.37E+00	2.34E+00	7.76E+00	U
WD	LTW	440693025	12/20/2017	Ce-144	-5.32E+00	8.30E+00	2.45E+01	U
WD	LTW	440693025	12/20/2017	Co-57	-2.81E-01	1.17E+00	3.35E+00	U
WD	LTW	440693025	12/20/2017	Co-58	-1.42E-01	1.44E+00	4.58E+00	U
WD	LTW	440693025	12/20/2017	Co-60	9.28E-01	1.43E+00	4.58E+00	U
WD	LTW	440693025	12/20/2017	Cr-51	-2.06E+01	1.47E+01	4.18E+01	U
WD	LTW	440693025	12/20/2017	Cs-134	3.62E-01	1.46E+00	4.80E+00	U
WD	LTW	440693025	12/20/2017	Cs-137	-1.45E-01	1.66E+00	4.62E+00	U
WD	LTW	440693025	12/20/2017	Fe-59	7.76E-01	2.95E+00	1.02E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WD	LTW	440693025	12/20/2017	I-131	3.08E+00	3.81E+00	1.28E+01	U
WD	LTW	440693025	12/20/2017	K-40	1.05E+02	2.47E+01	3.63E+01	UI
WD	LTW	440693025	12/20/2017	La-140	-4.48E+00	2.65E+00	5.31E+00	U
WD	LTW	440693025	12/20/2017	Mn-54	-7.62E-01	1.38E+00	4.16E+00	U
WD	LTW	440693025	12/20/2017	Nb-95	-1.02E-02	1.60E+00	5.16E+00	U
WD	LTW	440693025	12/20/2017	Ru-103	-1.18E+00	1.75E+00	5.39E+00	U
WD	LTW	440693025	12/20/2017	Ru-106	6.27E+00	1.26E+01	4.21E+01	U
WD	LTW	440693025	12/20/2017	Sb-124	8.68E-01	3.82E+00	1.31E+01	U
WD	LTW	440693025	12/20/2017	Sb-125	-2.77E+00	3.71E+00	1.14E+01	U
WD	LTW	440693025	12/20/2017	Se-75	2.82E-01	1.80E+00	5.75E+00	U
WD	LTW	440693025	12/20/2017	Th-228	-4.44E+00	3.00E+00	8.67E+00	U
WD	LTW	440693025	12/20/2017	Zn-65	-4.36E+00	2.99E+00	8.00E+00	U
WD	LTW	440693025	12/20/2017	Zr-95	3.49E-01	2.71E+00	8.84E+00	U
WD	LTW	440693026	12/20/2017	I-131	2.89E-01	2.37E-01	7.55E-01	U
WD	STJ	441671001	12/20/2017	H-3	-6.32E+02	4.28E+02	1.51E+03	U
WD	LTW	441671002	12/20/2017	H-3	-4.91E+02	4.46E+02	1.55E+03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	413786001	1/3/2017	Ac-228	-5.01E+00	5.13E+00	1.26E+01	U
WG	W-7	413786001	1/3/2017	Ag-108m	1.09E+00	7.26E-01	2.48E+00	U
WG	W-7	413786001	1/3/2017	Ag-110m	-1.43E+00	1.31E+00	3.63E+00	U
WG	W-7	413786001	1/3/2017	Ba-140	-1.43E+00	4.49E+00	1.45E+01	U
WG	W-7	413786001	1/3/2017	Be-7	7.83E-01	6.72E+00	2.26E+01	U
WG	W-7	413786001	1/3/2017	Ce-141	3.76E+00	2.23E+00	4.69E+00	U
WG	W-7	413786001	1/3/2017	Ce-144	1.90E+00	5.69E+00	1.87E+01	U
WG	W-7	413786001	1/3/2017	Co-57	-1.60E-01	6.83E-01	2.22E+00	U
WG	W-7	413786001	1/3/2017	Co-58	-1.21E+00	1.11E+00	2.68E+00	U
WG	W-7	413786001	1/3/2017	Co-60	-7.89E-01	1.14E+00	2.96E+00	U
WG	W-7	413786001	1/3/2017	Cr-51	-7.31E+00	8.47E+00	2.74E+01	U
WG	W-7	413786001	1/3/2017	Cs-134	6.44E-01	8.95E-01	3.00E+00	U
WG	W-7	413786001	1/3/2017	Cs-137	6.92E-01	8.54E-01	2.89E+00	U
WG	W-7	413786001	1/3/2017	Fe-59	-1.08E+00	1.70E+00	5.31E+00	U
WG	W-7	413786001	1/3/2017	H-3	2.36E+02	4.99E+02	1.60E+03	U
WG	W-7	413786001	1/3/2017	I-131	5.95E-01	1.67E+00	5.74E+00	U
WG	W-7	413786001	1/3/2017	K-40	-2.01E+01	1.18E+01	2.91E+01	U
WG	W-7	413786001	1/3/2017	La-140	3.66E-01	1.50E+00	4.45E+00	U
WG	W-7	413786001	1/3/2017	Mn-54	2.10E-01	9.40E-01	3.05E+00	U
WG	W-7	413786001	1/3/2017	Nb-95	1.81E-01	9.45E-01	3.08E+00	U
WG	W-7	413786001	1/3/2017	Ru-103	-5.75E-01	8.26E-01	2.59E+00	U
WG	W-7	413786001	1/3/2017	Ru-106	-8.21E-01	7.00E+00	2.27E+01	U
WG	W-7	413786001	1/3/2017	Sb-124	4.03E+00	3.58E+00	8.90E+00	U
WG	W-7	413786001	1/3/2017	Sb-125	3.07E+00	2.24E+00	7.68E+00	U
WG	W-7	413786001	1/3/2017	Se-75	-6.48E-01	1.23E+00	3.71E+00	U
WG	W-7	413786001	1/3/2017	Th-228	-4.12E+00	2.45E+00	5.68E+00	U
WG	W-7	413786001	1/3/2017	Zn-65	3.30E+00	1.82E+00	5.46E+00	U
WG	W-7	413786001	1/3/2017	Zr-95	3.54E+00	1.73E+00	5.72E+00	U
WG	W-8	413786002	1/3/2017	Ac-228	1.73E+01	6.42E+00	1.41E+01	UI
WG	W-8	413786002	1/3/2017	Ag-108m	2.28E-01	7.10E-01	2.41E+00	U
WG	W-8	413786002	1/3/2017	Ag-110m	7.52E-01	1.15E+00	3.98E+00	U
WG	W-8	413786002	1/3/2017	Ba-140	2.40E+00	4.81E+00	1.61E+01	U
WG	W-8	413786002	1/3/2017	Be-7	-4.67E+00	7.16E+00	2.26E+01	U
WG	W-8	413786002	1/3/2017	Ce-141	-2.25E+00	1.62E+00	4.11E+00	U
WG	W-8	413786002	1/3/2017	Ce-144	-6.14E+00	4.52E+00	1.36E+01	U
WG	W-8	413786002	1/3/2017	Co-57	1.21E+00	8.84E-01	1.83E+00	U
WG	W-8	413786002	1/3/2017	Co-58	4.31E-02	7.84E-01	2.67E+00	U
WG	W-8	413786002	1/3/2017	Co-60	1.87E+00	1.30E+00	3.39E+00	U
WG	W-8	413786002	1/3/2017	Cr-51	-2.46E+00	7.57E+00	2.56E+01	U
WG	W-8	413786002	1/3/2017	Cs-134	-2.20E+00	1.14E+00	3.01E+00	U
WG	W-8	413786002	1/3/2017	Cs-137	-1.17E-02	8.57E-01	2.75E+00	U
WG	W-8	413786002	1/3/2017	Fe-59	-8.39E-01	1.90E+00	6.02E+00	U
WG	W-8	413786002	1/3/2017	H-3	9.55E+01	4.80E+02	1.56E+03	U
WG	W-8	413786002	1/3/2017	I-131	7.24E-01	1.64E+00	5.65E+00	U
WG	W-8	413786002	1/3/2017	K-40	3.83E+01	1.11E+01	2.47E+01	
WG	W-8	413786002	1/3/2017	La-140	-6.37E-01	1.54E+00	4.94E+00	U
WG	W-8	413786002	1/3/2017	Mn-54	-2.16E+00	1.14E+00	2.44E+00	U
WG	W-8	413786002	1/3/2017	Nb-95	-2.25E+00	1.22E+00	2.45E+00	U
WG	W-8	413786002	1/3/2017	Ru-103	2.02E+00	1.21E+00	3.35E+00	U
WG	W-8	413786002	1/3/2017	Ru-106	-1.02E+01	8.83E+00	2.18E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-8	413786002	1/3/2017	Sb-124	-4.71E+00	2.48E+00	5.67E+00	U
WG	W-8	413786002	1/3/2017	Sb-125	1.55E+00	2.25E+00	7.69E+00	U
WG	W-8	413786002	1/3/2017	Se-75	-2.02E-01	1.07E+00	3.35E+00	U
WG	W-8	413786002	1/3/2017	Th-228	-1.49E+00	2.00E+00	5.28E+00	U
WG	W-8	413786002	1/3/2017	Zn-65	-2.99E+00	1.79E+00	4.52E+00	U
WG	W-8	413786002	1/3/2017	Zr-95	-4.84E-01	1.63E+00	4.42E+00	U
WG	W-13	413786003	1/3/2017	Ac-228	-2.66E+00	4.17E+00	1.09E+01	U
WG	W-13	413786003	1/3/2017	Ag-108m	5.44E-01	6.46E-01	2.18E+00	U
WG	W-13	413786003	1/3/2017	Ag-110m	-1.69E+00	1.11E+00	2.85E+00	U
WG	W-13	413786003	1/3/2017	Ba-140	-1.81E+00	3.91E+00	1.24E+01	U
WG	W-13	413786003	1/3/2017	Be-7	1.53E+00	6.46E+00	2.15E+01	U
WG	W-13	413786003	1/3/2017	Ce-141	-4.40E+00	1.94E+00	4.03E+00	U
WG	W-13	413786003	1/3/2017	Ce-144	-1.79E+00	4.90E+00	1.54E+01	U
WG	W-13	413786003	1/3/2017	Co-57	1.42E-01	6.32E-01	2.04E+00	U
WG	W-13	413786003	1/3/2017	Co-58	1.24E+00	7.46E-01	2.57E+00	U
WG	W-13	413786003	1/3/2017	Co-60	8.09E-01	7.82E-01	2.68E+00	U
WG	W-13	413786003	1/3/2017	Cr-51	-5.72E+00	7.06E+00	2.27E+01	U
WG	W-13	413786003	1/3/2017	Cs-134	1.06E-01	8.81E-01	2.81E+00	U
WG	W-13	413786003	1/3/2017	Cs-137	-2.25E-01	8.03E-01	2.53E+00	U
WG	W-13	413786003	1/3/2017	Fe-59	-4.05E-01	1.39E+00	4.52E+00	U
WG	W-13	413786003	1/3/2017	H-3	3.35E+02	5.18E+02	1.64E+03	U
WG	W-13	413786003	1/3/2017	I-131	-1.51E-01	1.41E+00	4.70E+00	U
WG	W-13	413786003	1/3/2017	K-40	-2.06E+01	1.25E+01	3.45E+01	U
WG	W-13	413786003	1/3/2017	La-140	-3.65E-01	1.54E+00	4.19E+00	U
WG	W-13	413786003	1/3/2017	Mn-54	-2.51E-04	7.35E-01	2.49E+00	U
WG	W-13	413786003	1/3/2017	Nb-95	-4.59E-01	7.71E-01	2.33E+00	U
WG	W-13	413786003	1/3/2017	Ru-103	-1.02E+00	8.56E-01	2.53E+00	U
WG	W-13	413786003	1/3/2017	Ru-106	-4.14E+00	6.88E+00	2.12E+01	U
WG	W-13	413786003	1/3/2017	Sb-124	1.55E+00	1.76E+00	6.03E+00	U
WG	W-13	413786003	1/3/2017	Sb-125	-1.99E+00	2.15E+00	6.69E+00	U
WG	W-13	413786003	1/3/2017	Se-75	-5.96E-01	1.03E+00	3.41E+00	U
WG	W-13	413786003	1/3/2017	Th-228	4.81E+00	2.51E+00	5.47E+00	U
WG	W-13	413786003	1/3/2017	Zn-65	-2.19E+00	1.89E+00	4.70E+00	U
WG	W-13	413786003	1/3/2017	Zr-95	2.47E+00	1.37E+00	3.90E+00	U
WG	W-14	413786004	1/3/2017	Ac-228	8.58E+00	5.63E+00	1.13E+01	U
WG	W-14	413786004	1/3/2017	Ag-108m	-3.05E-01	6.57E-01	2.11E+00	U
WG	W-14	413786004	1/3/2017	Ag-110m	3.97E-01	9.28E-01	3.22E+00	U
WG	W-14	413786004	1/3/2017	Ba-140	6.41E+00	4.71E+00	1.58E+01	U
WG	W-14	413786004	1/3/2017	Be-7	-4.33E+00	6.56E+00	2.06E+01	U
WG	W-14	413786004	1/3/2017	Ce-141	6.08E-01	1.59E+00	5.14E+00	U
WG	W-14	413786004	1/3/2017	Ce-144	-6.01E+00	5.92E+00	1.79E+01	U
WG	W-14	413786004	1/3/2017	Co-57	-9.49E-01	7.59E-01	2.25E+00	U
WG	W-14	413786004	1/3/2017	Co-58	1.28E-01	7.21E-01	2.48E+00	U
WG	W-14	413786004	1/3/2017	Co-60	6.94E-02	7.73E-01	2.55E+00	U
WG	W-14	413786004	1/3/2017	Cr-51	-1.16E+00	8.00E+00	2.69E+01	U
WG	W-14	413786004	1/3/2017	Cs-134	3.04E-01	8.02E-01	2.61E+00	U
WG	W-14	413786004	1/3/2017	Cs-137	-1.67E+00	1.07E+00	2.44E+00	U
WG	W-14	413786004	1/3/2017	Fe-59	4.81E-01	1.65E+00	5.59E+00	U
WG	W-14	413786004	1/3/2017	H-3	2.27E+02	5.09E+02	1.63E+03	U
WG	W-14	413786004	1/3/2017	I-131	1.70E+00	1.72E+00	5.84E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-14	413786004	1/3/2017	K-40	2.63E+01	1.47E+01	2.99E+01	U
WG	W-14	413786004	1/3/2017	La-140	-5.07E-01	1.46E+00	4.50E+00	U
WG	W-14	413786004	1/3/2017	Mn-54	9.08E-02	6.33E-01	2.17E+00	U
WG	W-14	413786004	1/3/2017	Nb-95	5.17E-01	1.03E+00	2.88E+00	U
WG	W-14	413786004	1/3/2017	Ru-103	1.07E-01	8.50E-01	2.81E+00	U
WG	W-14	413786004	1/3/2017	Ru-106	5.00E+00	7.31E+00	2.43E+01	U
WG	W-14	413786004	1/3/2017	Sb-124	1.76E+00	1.86E+00	6.45E+00	U
WG	W-14	413786004	1/3/2017	Sb-125	-9.62E-01	1.77E+00	5.65E+00	U
WG	W-14	413786004	1/3/2017	Se-75	-8.21E-01	1.08E+00	3.53E+00	U
WG	W-14	413786004	1/3/2017	Th-228	3.10E+00	2.79E+00	5.73E+00	U
WG	W-14	413786004	1/3/2017	Zn-65	-3.28E+00	1.94E+00	4.02E+00	U
WG	W-14	413786004	1/3/2017	Zr-95	1.05E+00	1.52E+00	5.03E+00	U
WG	W-4	414162001	1/9/2017	Ac-228	-4.85E+00	2.93E+00	5.14E+00	U
WG	W-4	414162001	1/9/2017	Ag-108m	3.16E-01	3.22E-01	1.09E+00	U
WG	W-4	414162001	1/9/2017	Ag-110m	-1.10E-01	5.68E-01	1.82E+00	U
WG	W-4	414162001	1/9/2017	Ba-140	4.52E+00	2.21E+00	6.97E+00	U
WG	W-4	414162001	1/9/2017	Be-7	1.37E+00	3.51E+00	1.08E+01	U
WG	W-4	414162001	1/9/2017	Ce-141	-2.15E+00	1.30E+00	2.33E+00	U
WG	W-4	414162001	1/9/2017	Ce-144	2.11E+00	2.56E+00	8.26E+00	U
WG	W-4	414162001	1/9/2017	Co-57	-4.68E-02	3.49E-01	1.13E+00	U
WG	W-4	414162001	1/9/2017	Co-58	1.68E-01	3.95E-01	1.31E+00	U
WG	W-4	414162001	1/9/2017	Co-60	-6.24E-01	5.57E-01	1.28E+00	U
WG	W-4	414162001	1/9/2017	Cr-51	-3.43E+00	3.64E+00	1.19E+01	U
WG	W-4	414162001	1/9/2017	Cs-134	-3.05E-02	4.10E-01	1.33E+00	U
WG	W-4	414162001	1/9/2017	Cs-137	-6.51E-01	4.26E-01	1.23E+00	U
WG	W-4	414162001	1/9/2017	Fe-59	-7.96E-01	8.20E-01	2.40E+00	U
WG	W-4	414162001	1/9/2017	H-3	1.06E+03	4.69E+02	1.35E+03	U
WG	W-4	414162001	1/9/2017	I-131	-3.74E-01	6.99E-01	2.34E+00	U
WG	W-4	414162001	1/9/2017	K-40	4.88E+00	9.45E+00	1.22E+01	U
WG	W-4	414162001	1/9/2017	La-140	-7.98E-01	7.07E-01	2.13E+00	U
WG	W-4	414162001	1/9/2017	Mn-54	1.60E-01	3.51E-01	1.16E+00	U
WG	W-4	414162001	1/9/2017	Nb-95	1.02E-01	4.23E-01	1.25E+00	U
WG	W-4	414162001	1/9/2017	Ru-103	3.53E-01	4.56E-01	1.40E+00	U
WG	W-4	414162001	1/9/2017	Ru-106	3.94E+00	3.52E+00	1.17E+01	U
WG	W-4	414162001	1/9/2017	Sb-124	1.13E+00	9.63E-01	3.30E+00	U
WG	W-4	414162001	1/9/2017	Sb-125	-1.32E-01	1.01E+00	3.40E+00	U
WG	W-4	414162001	1/9/2017	Se-75	1.34E+00	6.18E-01	1.74E+00	U
WG	W-4	414162001	1/9/2017	Th-228	1.33E+00	1.40E+00	2.31E+00	U
WG	W-4	414162001	1/9/2017	Zn-65	7.98E-01	8.81E-01	2.75E+00	U
WG	W-4	414162001	1/9/2017	Zr-95	1.94E-01	6.28E-01	2.08E+00	U
WG	W-5	414162002	1/9/2017	Ac-228	-2.06E+00	3.62E+00	6.62E+00	U
WG	W-5	414162002	1/9/2017	Ag-108m	-5.98E-01	4.10E-01	1.24E+00	U
WG	W-5	414162002	1/9/2017	Ag-110m	9.31E-01	6.37E-01	2.06E+00	U
WG	W-5	414162002	1/9/2017	Ba-140	4.26E+00	5.01E+00	7.84E+00	U
WG	W-5	414162002	1/9/2017	Be-7	5.15E+00	4.04E+00	1.34E+01	U
WG	W-5	414162002	1/9/2017	Ce-141	-3.55E+00	1.21E+00	2.63E+00	U
WG	W-5	414162002	1/9/2017	Ce-144	2.70E+00	3.20E+00	1.03E+01	U
WG	W-5	414162002	1/9/2017	Co-57	1.29E-01	4.17E-01	1.35E+00	U
WG	W-5	414162002	1/9/2017	Co-58	4.39E-01	4.68E-01	1.39E+00	U
WG	W-5	414162002	1/9/2017	Co-60	7.47E-01	4.26E-01	1.44E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	414162002	1/9/2017	Cr-51	-5.16E+00	4.09E+00	1.30E+01	U
WG	W-5	414162002	1/9/2017	Cs-134	-5.14E-01	5.13E-01	1.54E+00	U
WG	W-5	414162002	1/9/2017	Cs-137	6.34E-01	4.58E-01	1.50E+00	U
WG	W-5	414162002	1/9/2017	Fe-59	-2.81E-02	8.71E-01	2.95E+00	U
WG	W-5	414162002	1/9/2017	H-3	5.06E+02	4.59E+02	1.42E+03	U
WG	W-5	414162002	1/9/2017	I-131	1.33E-01	7.74E-01	2.63E+00	U
WG	W-5	414162002	1/9/2017	K-40	1.35E+01	1.08E+01	1.16E+01	UI
WG	W-5	414162002	1/9/2017	La-140	-6.97E-01	7.78E-01	2.38E+00	U
WG	W-5	414162002	1/9/2017	Mn-54	7.32E-02	4.48E-01	1.45E+00	U
WG	W-5	414162002	1/9/2017	Nb-95	-9.13E-01	9.29E-01	1.57E+00	U
WG	W-5	414162002	1/9/2017	Ru-103	-6.07E-01	5.27E-01	1.44E+00	U
WG	W-5	414162002	1/9/2017	Ru-106	-1.12E+00	3.81E+00	1.23E+01	U
WG	W-5	414162002	1/9/2017	Sb-124	3.50E-01	1.02E+00	3.40E+00	U
WG	W-5	414162002	1/9/2017	Sb-125	-8.95E-01	1.20E+00	3.88E+00	U
WG	W-5	414162002	1/9/2017	Se-75	-1.24E+00	7.12E-01	1.93E+00	U
WG	W-5	414162002	1/9/2017	Th-228	1.15E+00	1.51E+00	3.47E+00	U
WG	W-5	414162002	1/9/2017	Zn-65	1.13E+00	9.65E-01	2.99E+00	U
WG	W-5	414162002	1/9/2017	Zr-95	3.43E-01	7.66E-01	2.52E+00	U
WG	W-6	414162003	1/9/2017	Ac-228	-4.69E+00	2.98E+00	6.62E+00	U
WG	W-6	414162003	1/9/2017	Ag-108m	-3.69E-03	4.06E-01	1.35E+00	U
WG	W-6	414162003	1/9/2017	Ag-110m	-3.36E-01	6.19E-01	1.89E+00	U
WG	W-6	414162003	1/9/2017	Ba-140	2.89E+00	2.38E+00	7.82E+00	U
WG	W-6	414162003	1/9/2017	Be-7	-4.93E+00	4.44E+00	1.36E+01	U
WG	W-6	414162003	1/9/2017	Ce-141	9.88E-01	1.01E+00	2.92E+00	U
WG	W-6	414162003	1/9/2017	Ce-144	2.20E-01	3.60E+00	1.13E+01	U
WG	W-6	414162003	1/9/2017	Co-57	-1.66E-01	4.90E-01	1.53E+00	U
WG	W-6	414162003	1/9/2017	Co-58	8.62E-02	4.68E-01	1.51E+00	U
WG	W-6	414162003	1/9/2017	Co-60	5.37E-01	5.38E-01	1.83E+00	U
WG	W-6	414162003	1/9/2017	Cr-51	6.47E+00	4.77E+00	1.58E+01	U
WG	W-6	414162003	1/9/2017	Cs-134	5.55E-01	5.36E-01	1.75E+00	U
WG	W-6	414162003	1/9/2017	Cs-137	-1.70E-01	5.19E-01	1.65E+00	U
WG	W-6	414162003	1/9/2017	Fe-59	1.16E-01	9.27E-01	3.14E+00	U
WG	W-6	414162003	1/9/2017	H-3	-9.25E-01	3.92E+02	1.29E+03	U
WG	W-6	414162003	1/9/2017	I-131	-1.06E+00	8.51E-01	2.61E+00	U
WG	W-6	414162003	1/9/2017	K-40	-2.39E+01	1.35E+01	2.77E+01	U
WG	W-6	414162003	1/9/2017	La-140	-1.96E+00	9.01E-01	2.07E+00	U
WG	W-6	414162003	1/9/2017	Mn-54	9.44E-01	5.23E-01	1.53E+00	U
WG	W-6	414162003	1/9/2017	Nb-95	6.01E-01	5.70E-01	1.68E+00	U
WG	W-6	414162003	1/9/2017	Ru-103	-1.50E+00	6.17E-01	1.49E+00	U
WG	W-6	414162003	1/9/2017	Ru-106	-2.23E+00	4.68E+00	1.48E+01	U
WG	W-6	414162003	1/9/2017	Sb-124	1.07E+00	1.19E+00	3.64E+00	U
WG	W-6	414162003	1/9/2017	Sb-125	1.32E+00	1.35E+00	4.49E+00	U
WG	W-6	414162003	1/9/2017	Se-75	-1.05E-01	6.84E-01	2.31E+00	U
WG	W-6	414162003	1/9/2017	Th-228	2.10E+00	1.83E+00	2.88E+00	U
WG	W-6	414162003	1/9/2017	Zn-65	8.01E-01	1.08E+00	3.31E+00	U
WG	W-6	414162003	1/9/2017	Zr-95	9.15E-01	8.66E-01	2.83E+00	U
WG	W-1	414543001	1/16/2017	Ac-228	-1.94E-01	6.24E+00	1.84E+01	U
WG	W-1	414543001	1/16/2017	Ag-108m	2.09E-02	1.22E+00	4.05E+00	U
WG	W-1	414543001	1/16/2017	Ag-110m	5.99E-02	1.70E+00	5.48E+00	U
WG	W-1	414543001	1/16/2017	Ba-140	2.52E+00	6.79E+00	2.29E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-1	414543001	1/16/2017	Be-7	-5.84E+00	1.12E+01	3.51E+01	U
WG	W-1	414543001	1/16/2017	Ce-141	2.46E-01	2.50E+00	7.76E+00	U
WG	W-1	414543001	1/16/2017	Ce-144	1.33E+01	9.25E+00	3.05E+01	U
WG	W-1	414543001	1/16/2017	Co-57	-1.22E+00	1.21E+00	3.90E+00	U
WG	W-1	414543001	1/16/2017	Co-58	-5.02E-01	1.34E+00	4.14E+00	U
WG	W-1	414543001	1/16/2017	Co-60	2.91E-02	1.49E+00	5.04E+00	U
WG	W-1	414543001	1/16/2017	Cr-51	-1.57E+01	1.20E+01	3.49E+01	U
WG	W-1	414543001	1/16/2017	Cs-134	-4.14E-02	1.61E+00	5.20E+00	U
WG	W-1	414543001	1/16/2017	Cs-137	1.72E+00	1.49E+00	5.15E+00	U
WG	W-1	414543001	1/16/2017	Fe-59	-3.64E+00	3.23E+00	8.51E+00	U
WG	W-1	414543001	1/16/2017	H-3	-4.39E+01	4.04E+02	1.34E+03	U
WG	W-1	414543001	1/16/2017	I-131	1.29E+00	2.48E+00	8.47E+00	U
WG	W-1	414543001	1/16/2017	K-40	-8.54E+00	2.04E+01	7.01E+01	U
WG	W-1	414543001	1/16/2017	La-140	1.17E+00	2.25E+00	7.98E+00	U
WG	W-1	414543001	1/16/2017	Mn-54	7.34E-01	1.51E+00	4.89E+00	U
WG	W-1	414543001	1/16/2017	Nb-95	-2.62E+00	1.99E+00	5.20E+00	U
WG	W-1	414543001	1/16/2017	Ru-103	-1.88E+00	1.34E+00	3.61E+00	U
WG	W-1	414543001	1/16/2017	Ru-106	2.53E+01	1.23E+01	4.27E+01	U
WG	W-1	414543001	1/16/2017	Sb-124	-1.68E+00	3.04E+00	9.16E+00	U
WG	W-1	414543001	1/16/2017	Sb-125	-1.27E+00	3.44E+00	1.11E+01	U
WG	W-1	414543001	1/16/2017	Se-75	-1.53E+00	1.76E+00	5.55E+00	U
WG	W-1	414543001	1/16/2017	Th-228	7.89E+00	4.99E+00	1.08E+01	U
WG	W-1	414543001	1/16/2017	Zn-65	-3.56E+00	3.43E+00	9.44E+00	U
WG	W-1	414543001	1/16/2017	Zr-95	2.07E-01	2.33E+00	7.60E+00	U
WG	W-3	414543002	1/16/2017	Ac-228	-6.15E-01	5.78E+00	1.93E+01	U
WG	W-3	414543002	1/16/2017	Ag-108m	-1.08E+00	9.44E-01	2.71E+00	U
WG	W-3	414543002	1/16/2017	Ag-110m	-1.99E+00	1.83E+00	5.42E+00	U
WG	W-3	414543002	1/16/2017	Ba-140	-2.82E+00	5.59E+00	1.73E+01	U
WG	W-3	414543002	1/16/2017	Be-7	1.06E+01	1.05E+01	3.61E+01	U
WG	W-3	414543002	1/16/2017	Ce-141	2.44E+00	2.17E+00	6.57E+00	U
WG	W-3	414543002	1/16/2017	Ce-144	-1.51E+01	8.19E+00	2.11E+01	U
WG	W-3	414543002	1/16/2017	Co-57	-1.26E+00	9.97E-01	2.85E+00	U
WG	W-3	414543002	1/16/2017	Co-58	1.74E-01	1.22E+00	3.92E+00	U
WG	W-3	414543002	1/16/2017	Co-60	4.05E-01	1.37E+00	4.63E+00	U
WG	W-3	414543002	1/16/2017	Cr-51	-3.51E+00	1.04E+01	3.43E+01	U
WG	W-3	414543002	1/16/2017	Cs-134	-1.06E-01	1.45E+00	4.57E+00	U
WG	W-3	414543002	1/16/2017	Cs-137	-1.28E+00	1.22E+00	3.32E+00	U
WG	W-3	414543002	1/16/2017	Fe-59	2.29E+00	2.46E+00	8.76E+00	U
WG	W-3	414543002	1/16/2017	H-3	-1.18E+02	4.01E+02	1.34E+03	U
WG	W-3	414543002	1/16/2017	I-131	2.84E+00	2.01E+00	6.95E+00	U
WG	W-3	414543002	1/16/2017	K-40	4.41E+00	2.02E+01	6.71E+01	U
WG	W-3	414543002	1/16/2017	La-140	3.38E-01	2.32E+00	7.61E+00	U
WG	W-3	414543002	1/16/2017	Mn-54	-1.52E+00	1.08E+00	2.92E+00	U
WG	W-3	414543002	1/16/2017	Nb-95	1.23E+00	1.12E+00	3.62E+00	U
WG	W-3	414543002	1/16/2017	Ru-103	-1.88E+00	1.26E+00	3.36E+00	U
WG	W-3	414543002	1/16/2017	Ru-106	8.56E+00	1.13E+01	3.83E+01	U
WG	W-3	414543002	1/16/2017	Sb-124	-2.87E+00	2.15E+00	3.93E+00	U
WG	W-3	414543002	1/16/2017	Sb-125	2.74E-01	2.95E+00	9.86E+00	U
WG	W-3	414543002	1/16/2017	Se-75	2.71E+00	1.49E+00	5.09E+00	U
WG	W-3	414543002	1/16/2017	Th-228	-4.59E+00	2.53E+00	7.20E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-3	414543002	1/16/2017	Zn-65	-1.97E+00	2.72E+00	8.26E+00	U
WG	W-3	414543002	1/16/2017	Zr-95	-6.74E-01	2.11E+00	6.47E+00	U
WG	W-9	414543003	1/16/2017	Ac-228	3.78E+00	4.60E+00	1.58E+01	U
WG	W-9	414543003	1/16/2017	Ag-108m	9.88E-02	9.41E-01	3.24E+00	U
WG	W-9	414543003	1/16/2017	Ag-110m	-1.41E-01	1.51E+00	4.83E+00	U
WG	W-9	414543003	1/16/2017	Ba-140	1.50E+00	5.87E+00	1.82E+01	U
WG	W-9	414543003	1/16/2017	Be-7	-9.24E+00	8.74E+00	2.62E+01	U
WG	W-9	414543003	1/16/2017	Ce-141	-1.02E+00	2.01E+00	6.48E+00	U
WG	W-9	414543003	1/16/2017	Ce-144	-4.46E+00	6.53E+00	2.07E+01	U
WG	W-9	414543003	1/16/2017	Co-57	-1.22E+00	1.03E+00	2.99E+00	U
WG	W-9	414543003	1/16/2017	Co-58	-2.19E+00	1.16E+00	2.49E+00	U
WG	W-9	414543003	1/16/2017	Co-60	-5.07E-01	1.26E+00	4.01E+00	U
WG	W-9	414543003	1/16/2017	Cr-51	-9.09E+00	9.77E+00	2.77E+01	U
WG	W-9	414543003	1/16/2017	Cs-134	2.12E-01	9.52E-01	3.19E+00	U
WG	W-9	414543003	1/16/2017	Cs-137	8.71E-01	1.23E+00	4.26E+00	U
WG	W-9	414543003	1/16/2017	Fe-59	-2.67E-01	2.22E+00	6.92E+00	U
WG	W-9	414543003	1/16/2017	H-3	3.80E+02	4.26E+02	1.34E+03	U
WG	W-9	414543003	1/16/2017	I-131	-2.36E+00	2.06E+00	5.60E+00	U
WG	W-9	414543003	1/16/2017	K-40	2.59E+01	2.40E+01	4.07E+01	U
WG	W-9	414543003	1/16/2017	La-140	1.95E+00	2.08E+00	7.47E+00	U
WG	W-9	414543003	1/16/2017	Mn-54	2.38E+00	1.34E+00	4.64E+00	U
WG	W-9	414543003	1/16/2017	Nb-95	6.10E-01	1.24E+00	4.30E+00	U
WG	W-9	414543003	1/16/2017	Ru-103	-1.23E+00	1.15E+00	3.45E+00	U
WG	W-9	414543003	1/16/2017	Ru-106	-2.50E+00	1.16E+01	3.80E+01	U
WG	W-9	414543003	1/16/2017	Sb-124	2.42E+00	2.22E+00	8.45E+00	U
WG	W-9	414543003	1/16/2017	Sb-125	1.68E-01	3.04E+00	1.04E+01	U
WG	W-9	414543003	1/16/2017	Se-75	1.54E+00	1.67E+00	5.50E+00	U
WG	W-9	414543003	1/16/2017	Th-228	-3.68E-01	2.30E+00	7.30E+00	U
WG	W-9	414543003	1/16/2017	Zn-65	8.91E-01	2.44E+00	8.05E+00	U
WG	W-9	414543003	1/16/2017	Zr-95	3.73E+00	1.80E+00	5.97E+00	U
WG	W-10	414543004	1/16/2017	Ac-228	-3.70E+00	4.63E+00	1.34E+01	U
WG	W-10	414543004	1/16/2017	Ag-108m	4.07E-02	9.71E-01	3.30E+00	U
WG	W-10	414543004	1/16/2017	Ag-110m	-7.29E-01	1.05E+00	3.01E+00	U
WG	W-10	414543004	1/16/2017	Ba-140	1.88E+00	4.77E+00	1.64E+01	U
WG	W-10	414543004	1/16/2017	Be-7	-2.51E-01	8.62E+00	2.90E+01	U
WG	W-10	414543004	1/16/2017	Ce-141	-8.13E-01	1.83E+00	5.34E+00	U
WG	W-10	414543004	1/16/2017	Ce-144	4.08E-01	6.60E+00	2.14E+01	U
WG	W-10	414543004	1/16/2017	Co-57	1.03E+00	9.08E-01	2.82E+00	U
WG	W-10	414543004	1/16/2017	Co-58	5.98E-01	1.08E+00	3.67E+00	U
WG	W-10	414543004	1/16/2017	Co-60	1.61E+00	7.49E-01	3.02E+00	U
WG	W-10	414543004	1/16/2017	Cr-51	1.34E+00	7.65E+00	2.66E+01	U
WG	W-10	414543004	1/16/2017	Cs-134	-2.41E+00	1.42E+00	3.49E+00	U
WG	W-10	414543004	1/16/2017	Cs-137	-5.95E-01	9.13E-01	2.78E+00	U
WG	W-10	414543004	1/16/2017	Fe-59	-1.72E-01	2.15E+00	6.80E+00	U
WG	W-10	414543004	1/16/2017	H-3	-1.92E+02	3.96E+02	1.33E+03	U
WG	W-10	414543004	1/16/2017	I-131	-4.86E-01	1.67E+00	5.58E+00	U
WG	W-10	414543004	1/16/2017	K-40	2.72E+01	1.54E+01	2.34E+01	UI
WG	W-10	414543004	1/16/2017	La-140	1.04E+00	1.67E+00	5.94E+00	U
WG	W-10	414543004	1/16/2017	Mn-54	2.98E-01	6.95E-01	2.18E+00	U
WG	W-10	414543004	1/16/2017	Nb-95	-6.12E-01	1.24E+00	3.38E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-10	414543004	1/16/2017	Ru-103	-3.80E-01	9.66E-01	3.13E+00	U
WG	W-10	414543004	1/16/2017	Ru-106	-1.18E+00	8.07E+00	2.64E+01	U
WG	W-10	414543004	1/16/2017	Sb-124	1.12E-01	2.20E+00	7.37E+00	U
WG	W-10	414543004	1/16/2017	Sb-125	2.15E+00	2.60E+00	9.14E+00	U
WG	W-10	414543004	1/16/2017	Se-75	-3.90E-01	1.51E+00	4.63E+00	U
WG	W-10	414543004	1/16/2017	Th-228	9.27E+00	4.25E+00	8.67E+00	UI
WG	W-10	414543004	1/16/2017	Zn-65	-1.35E+00	2.02E+00	5.75E+00	U
WG	W-10	414543004	1/16/2017	Zr-95	6.33E-01	1.54E+00	5.25E+00	U
WG	W-11	414543005	1/16/2017	Ac-228	-1.06E+01	6.44E+00	1.78E+01	U
WG	W-11	414543005	1/16/2017	Ag-108m	4.25E-01	1.08E+00	3.69E+00	U
WG	W-11	414543005	1/16/2017	Ag-110m	2.74E+00	1.62E+00	5.56E+00	U
WG	W-11	414543005	1/16/2017	Ba-140	-7.18E+00	5.55E+00	1.54E+01	U
WG	W-11	414543005	1/16/2017	Be-7	1.16E+01	9.99E+00	3.48E+01	U
WG	W-11	414543005	1/16/2017	Ce-141	-1.83E+00	2.33E+00	7.09E+00	U
WG	W-11	414543005	1/16/2017	Ce-144	1.32E+00	7.59E+00	2.46E+01	U
WG	W-11	414543005	1/16/2017	Co-57	4.75E-01	1.10E+00	3.36E+00	U
WG	W-11	414543005	1/16/2017	Co-58	-2.42E+00	1.26E+00	2.73E+00	U
WG	W-11	414543005	1/16/2017	Co-60	8.06E-01	7.51E-01	2.89E+00	U
WG	W-11	414543005	1/16/2017	Cr-51	2.55E+00	1.02E+01	3.54E+01	U
WG	W-11	414543005	1/16/2017	Cs-134	7.98E-01	1.21E+00	4.12E+00	U
WG	W-11	414543005	1/16/2017	Cs-137	-1.08E+00	1.20E+00	3.51E+00	U
WG	W-11	414543005	1/16/2017	Fe-59	-8.88E-01	1.90E+00	6.06E+00	U
WG	W-11	414543005	1/16/2017	H-3	2.89E+02	4.14E+02	1.31E+03	U
WG	W-11	414543005	1/16/2017	I-131	-3.91E+00	2.18E+00	5.92E+00	U
WG	W-11	414543005	1/16/2017	K-40	-4.99E+01	1.86E+01	3.72E+01	U
WG	W-11	414543005	1/16/2017	La-140	-1.12E+00	2.70E+00	7.89E+00	U
WG	W-11	414543005	1/16/2017	Mn-54	2.08E+00	1.27E+00	4.15E+00	U
WG	W-11	414543005	1/16/2017	Nb-95	2.05E+00	1.36E+00	3.93E+00	U
WG	W-11	414543005	1/16/2017	Ru-103	-1.08E+00	1.27E+00	3.88E+00	U
WG	W-11	414543005	1/16/2017	Ru-106	-1.27E+01	1.09E+01	3.09E+01	U
WG	W-11	414543005	1/16/2017	Sb-124	-2.57E+00	3.28E+00	9.50E+00	U
WG	W-11	414543005	1/16/2017	Sb-125	2.13E+00	3.28E+00	1.13E+01	U
WG	W-11	414543005	1/16/2017	Se-75	-9.45E-01	1.60E+00	4.74E+00	U
WG	W-11	414543005	1/16/2017	Th-228	6.56E-01	3.52E+00	9.47E+00	U
WG	W-11	414543005	1/16/2017	Zn-65	-1.97E+00	2.56E+00	7.92E+00	U
WG	W-11	414543005	1/16/2017	Zr-95	-1.86E+00	2.59E+00	6.72E+00	U
WG	W-15	414676001	1/18/2017	Ac-228	1.32E+01	6.90E+00	1.45E+01	U
WG	W-15	414676001	1/18/2017	Ag-108m	-7.53E-01	7.88E-01	2.41E+00	U
WG	W-15	414676001	1/18/2017	Ag-110m	6.46E-01	1.08E+00	3.64E+00	U
WG	W-15	414676001	1/18/2017	Ba-140	3.10E+00	4.25E+00	1.44E+01	U
WG	W-15	414676001	1/18/2017	Be-7	3.75E-01	7.94E+00	2.63E+01	U
WG	W-15	414676001	1/18/2017	Ce-141	7.74E-02	1.82E+00	5.62E+00	U
WG	W-15	414676001	1/18/2017	Ce-144	5.92E+00	9.04E+00	2.18E+01	U
WG	W-15	414676001	1/18/2017	Co-57	7.48E-01	8.86E-01	3.05E+00	U
WG	W-15	414676001	1/18/2017	Co-58	-5.40E-01	1.01E+00	3.10E+00	U
WG	W-15	414676001	1/18/2017	Co-60	-3.10E-01	9.97E-01	3.28E+00	U
WG	W-15	414676001	1/18/2017	Cr-51	-1.55E+01	9.07E+00	2.57E+01	U
WG	W-15	414676001	1/18/2017	Cs-134	-7.17E-01	1.02E+00	3.07E+00	U
WG	W-15	414676001	1/18/2017	Cs-137	-1.05E+00	1.07E+00	3.17E+00	U
WG	W-15	414676001	1/18/2017	Fe-59	-1.62E+00	1.87E+00	5.31E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-15	414676001	1/18/2017	H-3	-1.22E+02	4.70E+02	1.56E+03	U
WG	W-15	414676001	1/18/2017	I-131	2.21E+00	1.69E+00	5.68E+00	U
WG	W-15	414676001	1/18/2017	K-40	-1.41E+01	1.43E+01	4.31E+01	U
WG	W-15	414676001	1/18/2017	La-140	2.59E+00	1.48E+00	5.49E+00	U
WG	W-15	414676001	1/18/2017	Mn-54	-1.87E+00	1.19E+00	2.72E+00	U
WG	W-15	414676001	1/18/2017	Nb-95	-2.15E+00	1.42E+00	3.05E+00	U
WG	W-15	414676001	1/18/2017	Ru-103	-6.61E-01	9.57E-01	2.99E+00	U
WG	W-15	414676001	1/18/2017	Ru-106	1.97E-01	8.79E+00	2.57E+01	U
WG	W-15	414676001	1/18/2017	Sb-124	-1.63E+00	2.16E+00	6.47E+00	U
WG	W-15	414676001	1/18/2017	Sb-125	-3.06E+00	2.56E+00	7.63E+00	U
WG	W-15	414676001	1/18/2017	Se-75	-1.08E+00	1.28E+00	4.12E+00	U
WG	W-15	414676001	1/18/2017	Th-228	3.24E+00	3.41E+00	7.14E+00	U
WG	W-15	414676001	1/18/2017	Zn-65	-1.74E+00	2.28E+00	5.66E+00	U
WG	W-15	414676001	1/18/2017	Zr-95	-7.53E-01	1.69E+00	5.25E+00	U
WG	W-2	414815001	1/19/2017	Ac-228	-3.87E+00	3.98E+00	1.12E+01	U
WG	W-2	414815001	1/19/2017	Ag-108m	-1.98E-01	6.31E-01	2.05E+00	U
WG	W-2	414815001	1/19/2017	Ag-110m	1.91E-01	1.04E+00	3.56E+00	U
WG	W-2	414815001	1/19/2017	Ba-140	2.07E+00	4.00E+00	1.34E+01	U
WG	W-2	414815001	1/19/2017	Be-7	1.23E+01	8.04E+00	2.67E+01	U
WG	W-2	414815001	1/19/2017	Ce-141	-2.76E-01	1.53E+00	4.87E+00	U
WG	W-2	414815001	1/19/2017	Ce-144	-3.30E+00	5.64E+00	1.76E+01	U
WG	W-2	414815001	1/19/2017	Co-57	-1.83E-01	7.06E-01	2.26E+00	U
WG	W-2	414815001	1/19/2017	Co-58	1.39E-01	8.18E-01	2.81E+00	U
WG	W-2	414815001	1/19/2017	Co-60	-8.32E-01	8.70E-01	2.53E+00	U
WG	W-2	414815001	1/19/2017	Cr-51	-2.64E+00	7.61E+00	2.53E+01	U
WG	W-2	414815001	1/19/2017	Cs-134	-1.37E+00	1.08E+00	2.78E+00	U
WG	W-2	414815001	1/19/2017	Cs-137	5.18E-02	8.31E-01	2.68E+00	U
WG	W-2	414815001	1/19/2017	Fe-59	1.52E+00	1.71E+00	5.91E+00	U
WG	W-2	414815001	1/19/2017	H-3	3.12E+02	4.16E+02	1.31E+03	U
WG	W-2	414815001	1/19/2017	I-131	5.77E-01	1.60E+00	5.43E+00	U
WG	W-2	414815001	1/19/2017	K-40	4.31E+01	1.37E+01	2.64E+01	
WG	W-2	414815001	1/19/2017	La-140	-4.76E-01	1.72E+00	4.62E+00	U
WG	W-2	414815001	1/19/2017	Mn-54	-7.62E-01	6.83E-01	2.05E+00	U
WG	W-2	414815001	1/19/2017	Nb-95	1.17E+00	9.60E-01	3.16E+00	U
WG	W-2	414815001	1/19/2017	Ru-103	-1.85E+00	1.07E+00	2.92E+00	U
WG	W-2	414815001	1/19/2017	Ru-106	1.03E+00	7.63E+00	2.49E+01	U
WG	W-2	414815001	1/19/2017	Sb-124	1.68E+00	1.76E+00	5.67E+00	U
WG	W-2	414815001	1/19/2017	Sb-125	-3.09E+00	2.13E+00	6.11E+00	U
WG	W-2	414815001	1/19/2017	Se-75	5.54E-02	1.03E+00	3.53E+00	U
WG	W-2	414815001	1/19/2017	Th-228	2.35E+00	2.73E+00	4.88E+00	U
WG	W-2	414815001	1/19/2017	Zn-65	9.20E-02	1.88E+00	5.50E+00	U
WG	W-2	414815001	1/19/2017	Zr-95	-1.25E+00	1.58E+00	4.66E+00	U
WG	W-12	414815002	1/19/2017	Ac-228	-4.57E+00	4.20E+00	9.08E+00	U
WG	W-12	414815002	1/19/2017	Ag-108m	9.10E-01	6.56E-01	2.21E+00	U
WG	W-12	414815002	1/19/2017	Ag-110m	-6.31E-01	1.04E+00	3.13E+00	U
WG	W-12	414815002	1/19/2017	Ba-140	-1.75E+00	4.31E+00	1.23E+01	U
WG	W-12	414815002	1/19/2017	Be-7	2.54E+01	1.08E+01	2.37E+01	UI
WG	W-12	414815002	1/19/2017	Ce-141	-1.39E+00	1.58E+00	4.32E+00	U
WG	W-12	414815002	1/19/2017	Ce-144	-1.06E+01	5.87E+00	1.46E+01	U
WG	W-12	414815002	1/19/2017	Co-57	-6.87E-01	6.71E-01	2.02E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-12	414815002	1/19/2017	Co-58	-7.01E-01	7.80E-01	2.28E+00	U
WG	W-12	414815002	1/19/2017	Co-60	9.79E-02	7.27E-01	2.44E+00	U
WG	W-12	414815002	1/19/2017	Cr-51	-1.36E+01	7.34E+00	2.07E+01	U
WG	W-12	414815002	1/19/2017	Cs-134	-4.94E-01	7.76E-01	2.34E+00	U
WG	W-12	414815002	1/19/2017	Cs-137	-6.39E-01	9.73E-01	2.50E+00	U
WG	W-12	414815002	1/19/2017	Fe-59	2.80E+00	1.42E+00	4.67E+00	U
WG	W-12	414815002	1/19/2017	H-3	5.03E+02	3.90E+02	1.19E+03	U
WG	W-12	414815002	1/19/2017	I-131	2.39E-02	1.61E+00	4.86E+00	U
WG	W-12	414815002	1/19/2017	K-40	-1.88E+01	1.21E+01	3.30E+01	U
WG	W-12	414815002	1/19/2017	La-140	-2.19E+00	1.81E+00	4.27E+00	U
WG	W-12	414815002	1/19/2017	Mn-54	-3.32E-02	6.77E-01	2.16E+00	U
WG	W-12	414815002	1/19/2017	Nb-95	3.28E-01	9.11E-01	2.68E+00	U
WG	W-12	414815002	1/19/2017	Ru-103	-9.73E-01	8.60E-01	2.25E+00	U
WG	W-12	414815002	1/19/2017	Ru-106	3.06E-03	6.44E+00	2.10E+01	U
WG	W-12	414815002	1/19/2017	Sb-124	2.66E+00	1.59E+00	5.74E+00	U
WG	W-12	414815002	1/19/2017	Sb-125	1.09E+00	1.88E+00	6.38E+00	U
WG	W-12	414815002	1/19/2017	Se-75	-2.59E-01	8.74E-01	2.95E+00	U
WG	W-12	414815002	1/19/2017	Th-228	-2.44E+00	1.91E+00	4.71E+00	U
WG	W-12	414815002	1/19/2017	Zn-65	-1.41E-01	1.65E+00	4.85E+00	U
WG	W-12	414815002	1/19/2017	Zr-95	2.91E+00	1.60E+00	5.23E+00	U
WG	MW-20	414815003	1/19/2017	Ac-228	5.54E+00	4.93E+00	1.10E+01	U
WG	MW-20	414815003	1/19/2017	Ag-108m	-2.17E-01	6.94E-01	2.26E+00	U
WG	MW-20	414815003	1/19/2017	Ag-110m	-1.23E+00	8.56E-01	2.43E+00	U
WG	MW-20	414815003	1/19/2017	Ba-140	7.78E+00	5.20E+00	1.39E+01	U
WG	MW-20	414815003	1/19/2017	Be-7	4.79E+00	6.65E+00	2.23E+01	U
WG	MW-20	414815003	1/19/2017	Ce-141	-3.37E+00	1.82E+00	4.32E+00	U
WG	MW-20	414815003	1/19/2017	Ce-144	2.25E+00	4.93E+00	1.59E+01	U
WG	MW-20	414815003	1/19/2017	Co-57	2.88E-01	6.31E-01	2.04E+00	U
WG	MW-20	414815003	1/19/2017	Co-58	-4.86E-01	6.69E-01	2.14E+00	U
WG	MW-20	414815003	1/19/2017	Co-60	-2.64E-01	6.53E-01	2.05E+00	U
WG	MW-20	414815003	1/19/2017	Cr-51	-8.43E+00	6.96E+00	2.15E+01	U
WG	MW-20	414815003	1/19/2017	Cs-134	-4.27E-01	8.29E-01	2.51E+00	U
WG	MW-20	414815003	1/19/2017	Cs-137	-1.07E+00	9.68E-01	2.57E+00	U
WG	MW-20	414815003	1/19/2017	Fe-59	-2.96E+00	1.82E+00	4.02E+00	U
WG	MW-20	414815003	1/19/2017	H-3	7.35E+02	4.05E+02	1.19E+03	U
WG	MW-20	414815003	1/19/2017	I-131	2.43E-01	1.49E+00	5.02E+00	U
WG	MW-20	414815003	1/19/2017	K-40	-1.31E+01	1.29E+01	3.73E+01	U
WG	MW-20	414815003	1/19/2017	La-140	-2.60E+00	1.62E+00	4.13E+00	U
WG	MW-20	414815003	1/19/2017	Mn-54	2.75E-01	7.02E-01	2.42E+00	U
WG	MW-20	414815003	1/19/2017	Nb-95	-9.35E-01	1.24E+00	2.62E+00	U
WG	MW-20	414815003	1/19/2017	Ru-103	-1.02E+00	9.19E-01	2.40E+00	U
WG	MW-20	414815003	1/19/2017	Ru-106	1.73E+00	6.70E+00	2.19E+01	U
WG	MW-20	414815003	1/19/2017	Sb-124	-1.26E+00	1.83E+00	5.37E+00	U
WG	MW-20	414815003	1/19/2017	Sb-125	-1.06E+00	2.10E+00	6.76E+00	U
WG	MW-20	414815003	1/19/2017	Se-75	2.05E-01	9.63E-01	3.30E+00	U
WG	MW-20	414815003	1/19/2017	Th-228	5.63E+00	2.92E+00	4.45E+00	UI
WG	MW-20	414815003	1/19/2017	Zn-65	-5.49E-01	1.51E+00	4.22E+00	U
WG	MW-20	414815003	1/19/2017	Zr-95	2.39E+00	1.45E+00	4.74E+00	U
WG	MW-21	414815004	1/19/2017	Ac-228	5.52E+00	4.93E+00	1.26E+01	U
WG	MW-21	414815004	1/19/2017	Ag-108m	1.38E+00	1.25E+00	2.39E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	MW-21	414815004	1/19/2017	Ag-110m	1.63E+00	9.69E-01	3.08E+00	U	
WG	MW-21	414815004	1/19/2017	Ba-140	2.41E+00	3.85E+00	1.32E+01	U	
WG	MW-21	414815004	1/19/2017	Be-7	-6.49E-01	6.42E+00	2.16E+01	U	
WG	MW-21	414815004	1/19/2017	Ce-141	1.19E+00	2.81E+00	4.16E+00	U	
WG	MW-21	414815004	1/19/2017	Ce-144	-6.62E-01	5.36E+00	1.72E+01	U	
WG	MW-21	414815004	1/19/2017	Co-57	-1.13E+00	7.78E-01	2.27E+00	U	
WG	MW-21	414815004	1/19/2017	Co-58	-6.56E-01	8.39E-01	2.24E+00	U	
WG	MW-21	414815004	1/19/2017	Co-60	-9.32E-01	1.01E+00	2.26E+00	U	
WG	MW-21	414815004	1/19/2017	Cr-51	3.05E+00	6.77E+00	2.35E+01	U	
WG	MW-21	414815004	1/19/2017	Cs-134	1.18E+00	8.11E-01	2.75E+00	U	
WG	MW-21	414815004	1/19/2017	Cs-137	-7.51E-01	1.01E+00	2.36E+00	U	
WG	MW-21	414815004	1/19/2017	Fe-59	1.82E+00	2.03E+00	4.93E+00	U	
WG	MW-21	414815004	1/19/2017	H-3	5.01E+02	3.89E+02	1.18E+03	U	
WG	MW-21	414815004	1/19/2017	I-131	1.56E-01	1.44E+00	4.94E+00	U	
WG	MW-21	414815004	1/19/2017	K-40	-2.23E+01	1.29E+01	3.80E+01	U	
WG	MW-21	414815004	1/19/2017	La-140	-1.97E+00	1.43E+00	4.02E+00	U	
WG	MW-21	414815004	1/19/2017	Mn-54	-1.24E-01	6.34E-01	2.04E+00	U	
WG	MW-21	414815004	1/19/2017	Nb-95	-1.06E+00	9.97E-01	2.51E+00	U	
WG	MW-21	414815004	1/19/2017	Ru-103	-1.18E+00	8.24E-01	2.43E+00	U	
WG	MW-21	414815004	1/19/2017	Ru-106	3.59E+00	6.43E+00	2.19E+01	U	
WG	MW-21	414815004	1/19/2017	Sb-124	2.28E-01	1.53E+00	5.18E+00	U	
WG	MW-21	414815004	1/19/2017	Sb-125	-2.01E-01	2.06E+00	6.95E+00	U	
WG	MW-21	414815004	1/19/2017	Se-75	-7.72E-01	1.08E+00	3.25E+00	U	
WG	MW-21	414815004	1/19/2017	Th-228	-3.37E+00	1.99E+00	4.98E+00	U	
WG	MW-21	414815004	1/19/2017	Zn-65	5.52E-01	1.33E+00	4.40E+00	U	
WG	MW-21	414815004	1/19/2017	Zr-95	2.50E+00	1.44E+00	4.51E+00	U	
WG	SG-1	414815005	1/19/2017	Ac-228	3.91E+00	3.00E+00	1.06E+01	U	
WG	SG-1	414815005	1/19/2017	Ag-108m	-5.60E-01	7.76E-01	2.43E+00	U	
WG	SG-1	414815005	1/19/2017	Ag-110m	-1.26E-01	1.08E+00	3.38E+00	U	
WG	SG-1	414815005	1/19/2017	ALPHA	-2.20E+00	1.21E+00	4.17E+00	U	DL
WG	SG-1	414815005	1/19/2017	Ba-140	-2.27E+00	4.35E+00	1.36E+01	U	
WG	SG-1	414815005	1/19/2017	Be-7	1.73E+00	7.33E+00	2.19E+01	U	
WG	SG-1	414815005	1/19/2017	BETA	4.05E+00	7.20E-01	1.85E+00		
WG	SG-1	414815005	1/19/2017	Ce-141	-9.69E-01	1.85E+00	5.38E+00	U	
WG	SG-1	414815005	1/19/2017	Ce-144	4.29E+00	6.35E+00	2.00E+01	U	
WG	SG-1	414815005	1/19/2017	Co-57	6.18E-01	8.78E-01	2.76E+00	U	
WG	SG-1	414815005	1/19/2017	Co-58	-3.28E-01	8.37E-01	2.57E+00	U	
WG	SG-1	414815005	1/19/2017	Co-60	-4.04E-01	8.44E-01	2.67E+00	U	
WG	SG-1	414815005	1/19/2017	Cr-51	4.81E-01	7.60E+00	2.54E+01	U	
WG	SG-1	414815005	1/19/2017	Cs-134	1.79E+00	1.00E+00	3.32E+00	U	
WG	SG-1	414815005	1/19/2017	Cs-137	-5.78E-01	9.58E-01	2.94E+00	U	
WG	SG-1	414815005	1/19/2017	Fe-59	7.58E-01	1.70E+00	5.85E+00	U	
WG	SG-1	414815005	1/19/2017	H-3	6.60E+02	4.00E+02	1.19E+03	U	
WG	SG-1	414815005	1/19/2017	I-131	-9.00E-01	1.49E+00	4.75E+00	U	
WG	SG-1	414815005	1/19/2017	K-40	-1.94E+01	1.35E+01	3.63E+01	U	
WG	SG-1	414815005	1/19/2017	La-140	-3.77E-01	1.28E+00	3.71E+00	U	
WG	SG-1	414815005	1/19/2017	Mn-54	7.88E-01	8.22E-01	2.74E+00	U	
WG	SG-1	414815005	1/19/2017	Nb-95	-1.82E+00	9.82E-01	2.40E+00	U	
WG	SG-1	414815005	1/19/2017	Ru-103	-6.66E-01	9.29E-01	2.88E+00	U	
WG	SG-1	414815005	1/19/2017	Ru-106	9.72E+00	7.95E+00	2.66E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-1	414815005	1/19/2017	Sb-124	-2.09E+00	2.46E+00	6.02E+00	U
WG	SG-1	414815005	1/19/2017	Sb-125	-4.19E-01	2.15E+00	7.00E+00	U
WG	SG-1	414815005	1/19/2017	Se-75	-2.70E+00	1.30E+00	3.50E+00	U
WG	SG-1	414815005	1/19/2017	Th-228	-9.74E-01	1.89E+00	5.84E+00	U
WG	SG-1	414815005	1/19/2017	Zn-65	8.91E-01	1.69E+00	5.27E+00	U
WG	SG-1	414815005	1/19/2017	Zr-95	-2.20E+00	1.55E+00	4.12E+00	U
WG	SG-2	414815006	1/19/2017	Ac-228	-8.45E+00	4.95E+00	1.24E+01	U
WG	SG-2	414815006	1/19/2017	Ag-108m	7.03E-01	7.14E-01	2.45E+00	U
WG	SG-2	414815006	1/19/2017	Ag-110m	-3.41E-01	1.06E+00	3.31E+00	U
WG	SG-2	414815006	1/19/2017	ALPHA	-1.02E-01	9.75E-01	3.19E+00	U
WG	SG-2	414815006	1/19/2017	Ba-140	4.64E+00	4.25E+00	1.45E+01	U
WG	SG-2	414815006	1/19/2017	Be-7	-9.92E-01	7.14E+00	2.37E+01	U
WG	SG-2	414815006	1/19/2017	BETA	1.96E+00	5.97E-01	1.77E+00	M
WG	SG-2	414815006	1/19/2017	Ce-141	-1.71E+00	1.54E+00	4.59E+00	U
WG	SG-2	414815006	1/19/2017	Ce-144	5.23E+00	5.80E+00	1.88E+01	U
WG	SG-2	414815006	1/19/2017	Co-57	-9.42E-01	7.44E-01	2.19E+00	U
WG	SG-2	414815006	1/19/2017	Co-58	1.07E+00	8.36E-01	2.82E+00	U
WG	SG-2	414815006	1/19/2017	Co-60	1.54E-01	8.12E-01	2.76E+00	U
WG	SG-2	414815006	1/19/2017	Cr-51	-4.60E+00	7.38E+00	2.43E+01	U
WG	SG-2	414815006	1/19/2017	Cs-134	1.74E+00	9.62E-01	3.21E+00	U
WG	SG-2	414815006	1/19/2017	Cs-137	-5.11E-01	7.94E-01	2.45E+00	U
WG	SG-2	414815006	1/19/2017	Fe-59	1.25E+00	1.68E+00	5.87E+00	U
WG	SG-2	414815006	1/19/2017	H-3	4.29E+02	3.86E+02	1.19E+03	U
WG	SG-2	414815006	1/19/2017	I-131	-2.22E+00	1.54E+00	4.56E+00	U
WG	SG-2	414815006	1/19/2017	K-40	4.11E-01	1.22E+01	4.12E+01	U
WG	SG-2	414815006	1/19/2017	La-140	1.08E-02	2.06E+00	5.14E+00	U
WG	SG-2	414815006	1/19/2017	Mn-54	9.24E-01	8.04E-01	2.71E+00	U
WG	SG-2	414815006	1/19/2017	Nb-95	3.26E-01	8.75E-01	2.89E+00	U
WG	SG-2	414815006	1/19/2017	Ru-103	-6.60E-01	9.01E-01	2.85E+00	U
WG	SG-2	414815006	1/19/2017	Ru-106	-7.48E+00	7.14E+00	2.12E+01	U
WG	SG-2	414815006	1/19/2017	Sb-124	2.24E+00	1.66E+00	6.04E+00	U
WG	SG-2	414815006	1/19/2017	Sb-125	3.25E-01	2.22E+00	7.52E+00	U
WG	SG-2	414815006	1/19/2017	Se-75	9.49E-01	1.01E+00	3.22E+00	U
WG	SG-2	414815006	1/19/2017	Th-228	-2.31E+00	2.09E+00	5.70E+00	U
WG	SG-2	414815006	1/19/2017	Zn-65	1.60E+00	1.45E+00	4.78E+00	U
WG	SG-2	414815006	1/19/2017	Zr-95	-1.45E+00	1.55E+00	4.56E+00	U
WG	SG-4	414815007	1/19/2017	Ac-228	1.70E+01	7.45E+00	2.28E+01	U
WG	SG-4	414815007	1/19/2017	Ag-108m	4.78E-01	9.04E-01	3.16E+00	U
WG	SG-4	414815007	1/19/2017	Ag-110m	1.34E+00	1.56E+00	5.35E+00	U
WG	SG-4	414815007	1/19/2017	ALPHA	3.29E-01	1.12E+00	3.62E+00	U
WG	SG-4	414815007	1/19/2017	Ba-140	-1.02E+01	6.85E+00	1.93E+01	U
WG	SG-4	414815007	1/19/2017	Be-7	1.20E+01	1.01E+01	3.54E+01	U
WG	SG-4	414815007	1/19/2017	BETA	5.53E+00	9.35E-01	2.42E+00	
WG	SG-4	414815007	1/19/2017	Ce-141	-2.52E+00	2.44E+00	5.84E+00	U
WG	SG-4	414815007	1/19/2017	Ce-144	-2.98E+00	6.46E+00	2.10E+01	U
WG	SG-4	414815007	1/19/2017	Co-57	1.10E+00	9.15E-01	3.06E+00	U
WG	SG-4	414815007	1/19/2017	Co-58	1.62E+00	1.24E+00	4.32E+00	U
WG	SG-4	414815007	1/19/2017	Co-60	-9.99E-01	1.07E+00	3.03E+00	U
WG	SG-4	414815007	1/19/2017	Cr-51	1.29E+01	1.15E+01	3.72E+01	U
WG	SG-4	414815007	1/19/2017	Cs-134	-8.07E-01	1.31E+00	3.96E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	SG-4	414815007	1/19/2017	Cs-137	1.26E+00	1.36E+00	4.31E+00	U	
WG	SG-4	414815007	1/19/2017	Fe-59	-5.28E+00	2.53E+00	3.28E+00	U	
WG	SG-4	414815007	1/19/2017	H-3	2.62E+02	3.69E+02	1.16E+03	U	
WG	SG-4	414815007	1/19/2017	I-131	-1.96E+00	2.41E+00	6.98E+00	U	
WG	SG-4	414815007	1/19/2017	K-40	-9.45E+00	1.91E+01	5.90E+01	U	
WG	SG-4	414815007	1/19/2017	La-140	2.80E+00	1.79E+00	6.86E+00	U	
WG	SG-4	414815007	1/19/2017	Mn-54	-9.25E-01	1.10E+00	3.18E+00	U	
WG	SG-4	414815007	1/19/2017	Nb-95	-1.65E+00	1.28E+00	3.48E+00	U	
WG	SG-4	414815007	1/19/2017	Ru-103	-1.04E+00	1.14E+00	3.51E+00	U	
WG	SG-4	414815007	1/19/2017	Ru-106	1.40E+01	1.12E+01	3.89E+01	U	
WG	SG-4	414815007	1/19/2017	Sb-124	2.87E-01	3.18E+00	1.06E+01	U	
WG	SG-4	414815007	1/19/2017	Sb-125	2.16E+00	3.00E+00	1.05E+01	U	
WG	SG-4	414815007	1/19/2017	Se-75	8.07E-01	1.63E+00	5.30E+00	U	
WG	SG-4	414815007	1/19/2017	Th-228	2.69E+00	3.69E+00	6.14E+00	U	
WG	SG-4	414815007	1/19/2017	Zn-65	-2.78E-01	2.77E+00	8.22E+00	U	
WG	SG-4	414815007	1/19/2017	Zr-95	6.81E-01	2.06E+00	6.93E+00	U	
WG	SG-5	414815008	1/19/2017	Ac-228	-2.33E+00	4.84E+00	1.11E+01	U	
WG	SG-5	414815008	1/19/2017	Ag-108m	6.20E-01	8.00E-01	2.71E+00	U	
WG	SG-5	414815008	1/19/2017	Ag-110m	1.94E-01	1.09E+00	3.51E+00	U	
WG	SG-5	414815008	1/19/2017	ALPHA	2.55E+00	1.38E+00	4.13E+00	U	DL
WG	SG-5	414815008	1/19/2017	Ba-140	4.24E+00	4.34E+00	1.47E+01	U	
WG	SG-5	414815008	1/19/2017	Be-7	2.58E+00	7.76E+00	2.60E+01	U	
WG	SG-5	414815008	1/19/2017	BETA	7.11E+00	1.02E+00	2.36E+00		
WG	SG-5	414815008	1/19/2017	Ce-141	7.94E-01	1.69E+00	5.34E+00	U	
WG	SG-5	414815008	1/19/2017	Ce-144	6.12E+00	6.26E+00	1.99E+01	U	
WG	SG-5	414815008	1/19/2017	Co-57	-1.81E-01	8.38E-01	2.62E+00	U	
WG	SG-5	414815008	1/19/2017	Co-58	-5.93E-01	9.82E-01	2.57E+00	U	
WG	SG-5	414815008	1/19/2017	Co-60	1.68E-01	9.44E-01	3.19E+00	U	
WG	SG-5	414815008	1/19/2017	Cr-51	6.10E+00	8.48E+00	2.89E+01	U	
WG	SG-5	414815008	1/19/2017	Cs-134	2.22E-01	9.72E-01	3.16E+00	U	
WG	SG-5	414815008	1/19/2017	Cs-137	-8.65E-01	8.38E-01	2.41E+00	U	
WG	SG-5	414815008	1/19/2017	Fe-59	-1.80E-01	1.75E+00	5.86E+00	U	
WG	SG-5	414815008	1/19/2017	H-3	8.26E+01	3.67E+02	1.19E+03	U	
WG	SG-5	414815008	1/19/2017	I-131	7.84E-01	1.60E+00	5.44E+00	U	
WG	SG-5	414815008	1/19/2017	K-40	-1.36E+01	1.20E+01	3.82E+01	U	
WG	SG-5	414815008	1/19/2017	La-140	-2.06E+00	1.53E+00	3.93E+00	U	
WG	SG-5	414815008	1/19/2017	Mn-54	-3.05E-02	7.98E-01	2.54E+00	U	
WG	SG-5	414815008	1/19/2017	Nb-95	-9.88E-01	8.96E-01	2.52E+00	U	
WG	SG-5	414815008	1/19/2017	Ru-103	9.49E-01	9.54E-01	2.95E+00	U	
WG	SG-5	414815008	1/19/2017	Ru-106	8.62E-01	8.17E+00	2.67E+01	U	
WG	SG-5	414815008	1/19/2017	Sb-124	1.41E+00	2.38E+00	7.39E+00	U	
WG	SG-5	414815008	1/19/2017	Sb-125	2.71E+00	2.25E+00	7.65E+00	U	
WG	SG-5	414815008	1/19/2017	Se-75	5.22E-01	1.09E+00	3.75E+00	U	
WG	SG-5	414815008	1/19/2017	Th-228	1.47E+00	2.47E+00	6.37E+00	U	
WG	SG-5	414815008	1/19/2017	Zn-65	-8.27E-01	2.04E+00	5.74E+00	U	
WG	SG-5	414815008	1/19/2017	Zr-95	8.96E-01	1.59E+00	5.28E+00	U	
WG	OW-4	417824001	3/2/2017	Ac-228	-1.17E+01	5.85E+00	1.59E+01	U	
WG	OW-4	417824001	3/2/2017	Ag-108m	-8.19E-01	1.12E+00	3.46E+00	U	
WG	OW-4	417824001	3/2/2017	Ag-110m	-6.72E-01	1.65E+00	5.35E+00	U	
WG	OW-4	417824001	3/2/2017	Ba-140	1.59E+00	5.43E+00	1.82E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	OW-4	417824001	3/2/2017	Be-7	4.49E+00	1.07E+01	3.61E+01	U
WG	OW-4	417824001	3/2/2017	Ce-141	-2.81E+00	2.41E+00	6.47E+00	U
WG	OW-4	417824001	3/2/2017	Ce-144	4.52E+00	7.38E+00	2.40E+01	U
WG	OW-4	417824001	3/2/2017	Co-57	6.00E-02	1.03E+00	3.30E+00	U
WG	OW-4	417824001	3/2/2017	Co-58	-2.19E-02	1.20E+00	3.80E+00	U
WG	OW-4	417824001	3/2/2017	Co-60	1.12E+00	1.25E+00	4.47E+00	U
WG	OW-4	417824001	3/2/2017	Cr-51	7.55E+00	9.95E+00	3.46E+01	U
WG	OW-4	417824001	3/2/2017	Cs-134	4.17E-01	1.15E+00	3.81E+00	U
WG	OW-4	417824001	3/2/2017	Cs-137	-1.51E+00	1.32E+00	3.60E+00	U
WG	OW-4	417824001	3/2/2017	Fe-59	-1.62E+00	2.33E+00	7.03E+00	U
WG	OW-4	417824001	3/2/2017	H-3	7.03E+02	4.79E+02	1.45E+03	U
WG	OW-4	417824001	3/2/2017	I-131	3.62E+00	2.27E+00	7.73E+00	U
WG	OW-4	417824001	3/2/2017	K-40	1.44E+01	1.94E+01	2.95E+01	U
WG	OW-4	417824001	3/2/2017	La-140	5.18E-01	1.88E+00	6.31E+00	U
WG	OW-4	417824001	3/2/2017	Mn-54	9.58E-01	1.11E+00	3.97E+00	U
WG	OW-4	417824001	3/2/2017	Nb-95	-1.15E+00	1.36E+00	3.87E+00	U
WG	OW-4	417824001	3/2/2017	Ru-103	1.06E-02	1.18E+00	3.89E+00	U
WG	OW-4	417824001	3/2/2017	Ru-106	-9.67E+00	1.05E+01	3.01E+01	U
WG	OW-4	417824001	3/2/2017	Sb-124	1.94E+00	3.17E+00	1.10E+01	U
WG	OW-4	417824001	3/2/2017	Sb-125	-3.22E+00	3.52E+00	1.07E+01	U
WG	OW-4	417824001	3/2/2017	Se-75	-1.24E+00	1.41E+00	4.47E+00	U
WG	OW-4	417824001	3/2/2017	Th-228	5.80E+00	3.16E+00	6.34E+00	U
WG	OW-4	417824001	3/2/2017	Zn-65	-4.98E-01	2.07E+00	5.75E+00	U
WG	OW-4	417824001	3/2/2017	Zr-95	-2.77E-01	1.74E+00	5.42E+00	U
WG	W-11	417824002	3/2/2017	Ac-228	9.93E-01	4.07E+00	1.47E+01	U
WG	W-11	417824002	3/2/2017	Ag-108m	-3.08E-01	8.50E-01	2.48E+00	U
WG	W-11	417824002	3/2/2017	Ag-110m	1.89E+00	3.15E+00	4.94E+00	U
WG	W-11	417824002	3/2/2017	Ba-140	5.20E+00	4.51E+00	1.59E+01	U
WG	W-11	417824002	3/2/2017	Be-7	-4.57E+00	9.03E+00	2.92E+01	U
WG	W-11	417824002	3/2/2017	Ce-141	-1.33E+00	1.80E+00	5.53E+00	U
WG	W-11	417824002	3/2/2017	Ce-144	4.23E+00	6.75E+00	2.23E+01	U
WG	W-11	417824002	3/2/2017	Co-57	2.12E+00	1.46E+00	2.52E+00	U
WG	W-11	417824002	3/2/2017	Co-58	-8.23E-01	8.75E-01	2.44E+00	U
WG	W-11	417824002	3/2/2017	Co-60	-2.94E+00	1.34E+00	2.84E+00	U
WG	W-11	417824002	3/2/2017	Cr-51	-1.44E+00	8.81E+00	3.00E+01	U
WG	W-11	417824002	3/2/2017	Cs-134	-1.69E+00	1.32E+00	2.95E+00	U
WG	W-11	417824002	3/2/2017	Cs-137	-9.00E-03	1.02E+00	3.37E+00	U
WG	W-11	417824002	3/2/2017	Fe-59	1.13E+00	2.25E+00	7.50E+00	U
WG	W-11	417824002	3/2/2017	H-3	7.88E+02	4.85E+02	1.45E+03	U
WG	W-11	417824002	3/2/2017	I-131	-6.81E-01	1.69E+00	5.61E+00	U
WG	W-11	417824002	3/2/2017	K-40	-1.81E+01	1.50E+01	5.02E+01	U
WG	W-11	417824002	3/2/2017	La-140	-2.17E+00	1.66E+00	4.15E+00	U
WG	W-11	417824002	3/2/2017	Mn-54	1.12E+00	9.03E-01	3.20E+00	U
WG	W-11	417824002	3/2/2017	Nb-95	-4.14E-01	1.31E+00	3.67E+00	U
WG	W-11	417824002	3/2/2017	Ru-103	-1.15E+00	9.86E-01	2.88E+00	U
WG	W-11	417824002	3/2/2017	Ru-106	2.74E+00	8.65E+00	2.94E+01	U
WG	W-11	417824002	3/2/2017	Sb-124	2.63E+00	2.26E+00	8.48E+00	U
WG	W-11	417824002	3/2/2017	Sb-125	2.51E+00	2.64E+00	9.28E+00	U
WG	W-11	417824002	3/2/2017	Se-75	1.34E+00	1.34E+00	4.37E+00	U
WG	W-11	417824002	3/2/2017	Th-228	3.23E+00	3.01E+00	6.11E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-11	417824002	3/2/2017	Zn-65	2.41E+00	1.57E+00	5.70E+00	U
WG	W-11	417824002	3/2/2017	Zr-95	1.02E+00	1.67E+00	5.76E+00	U
WG	W-1	420001001	4/3/2017	Ac-228	-3.38E-01	6.37E+00	2.08E+01	U
WG	W-1	420001001	4/3/2017	Ag-108m	1.50E+00	1.10E+00	3.78E+00	U
WG	W-1	420001001	4/3/2017	Ag-110m	8.72E-01	1.58E+00	5.53E+00	U
WG	W-1	420001001	4/3/2017	Ba-140	1.12E+01	7.03E+00	2.42E+01	U
WG	W-1	420001001	4/3/2017	Be-7	-2.96E-01	1.06E+01	3.43E+01	U
WG	W-1	420001001	4/3/2017	Ce-141	-7.31E-01	2.72E+00	7.69E+00	U
WG	W-1	420001001	4/3/2017	Ce-144	-1.49E+01	8.92E+00	2.32E+01	U
WG	W-1	420001001	4/3/2017	Co-57	-1.77E+00	1.31E+00	3.66E+00	U
WG	W-1	420001001	4/3/2017	Co-58	-1.04E+00	1.22E+00	3.64E+00	U
WG	W-1	420001001	4/3/2017	Co-60	6.45E-01	1.15E+00	3.99E+00	U
WG	W-1	420001001	4/3/2017	Cr-51	2.90E+01	2.01E+01	3.77E+01	U
WG	W-1	420001001	4/3/2017	Cs-134	7.17E-01	1.51E+00	5.24E+00	U
WG	W-1	420001001	4/3/2017	Cs-137	-1.33E+00	1.31E+00	3.93E+00	U
WG	W-1	420001001	4/3/2017	Fe-59	8.13E+00	2.90E+00	1.02E+01	U
WG	W-1	420001001	4/3/2017	H-3	2.90E+02	3.69E+02	1.16E+03	U
WG	W-1	420001001	4/3/2017	I-131	-2.83E+00	2.60E+00	7.66E+00	U
WG	W-1	420001001	4/3/2017	K-40	6.78E+00	1.60E+01	5.31E+01	U
WG	W-1	420001001	4/3/2017	La-140	1.17E+00	1.95E+00	7.06E+00	U
WG	W-1	420001001	4/3/2017	Mn-54	8.45E-03	1.06E+00	3.55E+00	U
WG	W-1	420001001	4/3/2017	Nb-95	2.72E+00	2.09E+00	4.61E+00	U
WG	W-1	420001001	4/3/2017	Ru-103	-5.61E-02	1.39E+00	4.47E+00	U
WG	W-1	420001001	4/3/2017	Ru-106	-3.42E+00	9.71E+00	2.94E+01	U
WG	W-1	420001001	4/3/2017	Sb-124	2.36E+00	3.31E+00	1.19E+01	U
WG	W-1	420001001	4/3/2017	Sb-125	4.89E+00	3.92E+00	1.24E+01	U
WG	W-1	420001001	4/3/2017	Se-75	2.34E+00	1.73E+00	5.94E+00	U
WG	W-1	420001001	4/3/2017	Th-228	-1.51E+00	2.85E+00	9.76E+00	U
WG	W-1	420001001	4/3/2017	Zn-65	-3.25E+00	2.65E+00	6.89E+00	U
WG	W-1	420001001	4/3/2017	Zr-95	-2.67E+00	2.39E+00	6.91E+00	U
WG	W-8	420001005	4/3/2017	Ac-228	-1.11E+01	8.93E+00	2.58E+01	U
WG	W-8	420001005	4/3/2017	Ag-108m	8.01E-01	1.56E+00	5.12E+00	U
WG	W-8	420001005	4/3/2017	Ag-110m	2.28E+00	3.27E+00	7.32E+00	U
WG	W-8	420001005	4/3/2017	Ba-140	1.76E+01	9.44E+00	3.15E+01	U
WG	W-8	420001005	4/3/2017	Be-7	4.34E+00	1.59E+01	5.17E+01	U
WG	W-8	420001005	4/3/2017	Ce-141	3.44E+00	2.48E+00	8.01E+00	U
WG	W-8	420001005	4/3/2017	Ce-144	-1.21E+00	8.70E+00	2.81E+01	U
WG	W-8	420001005	4/3/2017	Co-57	-2.02E-01	1.03E+00	3.31E+00	U
WG	W-8	420001005	4/3/2017	Co-58	4.22E-01	1.79E+00	6.11E+00	U
WG	W-8	420001005	4/3/2017	Co-60	5.47E-01	1.96E+00	5.93E+00	U
WG	W-8	420001005	4/3/2017	Cr-51	7.98E+00	1.52E+01	4.98E+01	U
WG	W-8	420001005	4/3/2017	Cs-134	4.44E+00	2.32E+00	8.01E+00	U
WG	W-8	420001005	4/3/2017	Cs-137	-1.15E+00	1.98E+00	6.37E+00	U
WG	W-8	420001005	4/3/2017	Fe-59	-5.99E-01	3.68E+00	1.21E+01	U
WG	W-8	420001005	4/3/2017	H-3	-3.05E+02	3.49E+02	1.20E+03	U
WG	W-8	420001005	4/3/2017	I-131	-1.66E+00	3.30E+00	1.03E+01	U
WG	W-8	420001005	4/3/2017	K-40	-1.99E+01	2.19E+01	6.45E+01	U
WG	W-8	420001005	4/3/2017	La-140	9.80E-01	2.60E+00	9.09E+00	U
WG	W-8	420001005	4/3/2017	Mn-54	3.30E+00	1.94E+00	6.77E+00	U
WG	W-8	420001005	4/3/2017	Nb-95	5.64E-01	1.88E+00	6.46E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-8	420001005	4/3/2017	Ru-103	-6.42E-01	1.65E+00	5.11E+00	U
WG	W-8	420001005	4/3/2017	Ru-106	5.96E+00	1.59E+01	5.48E+01	U
WG	W-8	420001005	4/3/2017	Sb-124	-3.25E+00	4.55E+00	1.34E+01	U
WG	W-8	420001005	4/3/2017	Sb-125	-3.66E+00	4.87E+00	1.47E+01	U
WG	W-8	420001005	4/3/2017	Se-75	-1.82E+00	2.02E+00	6.09E+00	U
WG	W-8	420001005	4/3/2017	Th-228	1.66E+01	6.66E+00	1.10E+01	UI
WG	W-8	420001005	4/3/2017	Zn-65	-3.30E+00	3.83E+00	1.15E+01	U
WG	W-8	420001005	4/3/2017	Zr-95	8.53E-01	2.60E+00	9.00E+00	U
WG	W-10	420001007	4/3/2017	Ac-228	-9.83E+00	5.61E+00	1.30E+01	U
WG	W-10	420001007	4/3/2017	Ag-108m	-6.91E-01	8.81E-01	2.79E+00	U
WG	W-10	420001007	4/3/2017	Ag-110m	7.07E-01	1.26E+00	4.32E+00	U
WG	W-10	420001007	4/3/2017	Ba-140	2.37E+00	5.50E+00	1.89E+01	U
WG	W-10	420001007	4/3/2017	Be-7	-4.74E+00	8.03E+00	2.57E+01	U
WG	W-10	420001007	4/3/2017	Ce-141	-2.81E+00	2.17E+00	6.29E+00	U
WG	W-10	420001007	4/3/2017	Ce-144	5.71E+00	7.41E+00	2.43E+01	U
WG	W-10	420001007	4/3/2017	Co-57	-1.23E+00	1.02E+00	2.98E+00	U
WG	W-10	420001007	4/3/2017	Co-58	-4.22E-01	9.66E-01	3.01E+00	U
WG	W-10	420001007	4/3/2017	Co-60	1.04E+00	8.68E-01	3.15E+00	U
WG	W-10	420001007	4/3/2017	Cr-51	4.19E+00	9.37E+00	3.28E+01	U
WG	W-10	420001007	4/3/2017	Cs-134	2.60E-01	1.48E+00	4.29E+00	U
WG	W-10	420001007	4/3/2017	Cs-137	-1.64E+00	1.27E+00	3.05E+00	U
WG	W-10	420001007	4/3/2017	Fe-59	-2.56E-01	1.55E+00	4.84E+00	U
WG	W-10	420001007	4/3/2017	H-3	7.59E+01	3.67E+02	1.20E+03	U
WG	W-10	420001007	4/3/2017	I-131	4.23E+00	2.20E+00	7.47E+00	U
WG	W-10	420001007	4/3/2017	K-40	1.22E+00	1.40E+01	5.53E+01	U
WG	W-10	420001007	4/3/2017	La-140	-4.17E-01	1.76E+00	5.73E+00	U
WG	W-10	420001007	4/3/2017	Mn-54	-3.82E-01	9.65E-01	2.64E+00	U
WG	W-10	420001007	4/3/2017	Nb-95	-1.54E-01	1.13E+00	3.68E+00	U
WG	W-10	420001007	4/3/2017	Ru-103	-1.54E+00	1.13E+00	3.25E+00	U
WG	W-10	420001007	4/3/2017	Ru-106	1.07E+01	9.44E+00	3.06E+01	U
WG	W-10	420001007	4/3/2017	Sb-124	3.42E+00	2.65E+00	9.78E+00	U
WG	W-10	420001007	4/3/2017	Sb-125	-1.86E+00	2.53E+00	8.04E+00	U
WG	W-10	420001007	4/3/2017	Se-75	2.04E+00	1.51E+00	4.87E+00	U
WG	W-10	420001007	4/3/2017	Th-228	6.32E+00	4.07E+00	7.83E+00	U
WG	W-10	420001007	4/3/2017	Zn-65	-6.40E-01	2.02E+00	6.22E+00	U
WG	W-10	420001007	4/3/2017	Zr-95	-2.18E+00	1.85E+00	5.16E+00	U
WG	W-11	420001008	4/3/2017	Ac-228	9.93E+00	5.73E+00	1.70E+01	U
WG	W-11	420001008	4/3/2017	Ag-108m	-1.95E+00	9.41E-01	2.29E+00	U
WG	W-11	420001008	4/3/2017	Ag-110m	-1.03E+00	1.19E+00	3.33E+00	U
WG	W-11	420001008	4/3/2017	Ba-140	-2.86E+00	4.37E+00	1.35E+01	U
WG	W-11	420001008	4/3/2017	Be-7	-3.41E+00	7.06E+00	2.26E+01	U
WG	W-11	420001008	4/3/2017	Ce-141	-8.56E-01	1.68E+00	5.26E+00	U
WG	W-11	420001008	4/3/2017	Ce-144	9.55E+00	6.38E+00	2.10E+01	U
WG	W-11	420001008	4/3/2017	Co-57	4.66E-01	7.66E-01	2.55E+00	U
WG	W-11	420001008	4/3/2017	Co-58	-4.78E-01	9.12E-01	2.76E+00	U
WG	W-11	420001008	4/3/2017	Co-60	-9.88E-01	1.17E+00	3.52E+00	U
WG	W-11	420001008	4/3/2017	Cr-51	-8.41E+00	8.03E+00	2.49E+01	U
WG	W-11	420001008	4/3/2017	Cs-134	-8.85E-01	9.43E-01	2.63E+00	U
WG	W-11	420001008	4/3/2017	Cs-137	1.08E+00	9.57E-01	3.38E+00	U
WG	W-11	420001008	4/3/2017	Fe-59	-6.27E-01	1.83E+00	5.52E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-11	420001008	4/3/2017	H-3	2.20E+02	3.63E+02	1.16E+03	U
WG	W-11	420001008	4/3/2017	I-131	1.38E+00	1.76E+00	6.21E+00	U
WG	W-11	420001008	4/3/2017	K-40	-8.27E+00	1.30E+01	4.60E+01	U
WG	W-11	420001008	4/3/2017	La-140	4.70E-01	1.84E+00	6.31E+00	U
WG	W-11	420001008	4/3/2017	Mn-54	-3.70E-01	1.24E+00	3.58E+00	U
WG	W-11	420001008	4/3/2017	Nb-95	-2.14E-01	1.08E+00	3.46E+00	U
WG	W-11	420001008	4/3/2017	Ru-103	-4.78E-01	1.01E+00	3.26E+00	U
WG	W-11	420001008	4/3/2017	Ru-106	-1.68E+00	7.42E+00	2.40E+01	U
WG	W-11	420001008	4/3/2017	Sb-124	-2.12E+00	2.94E+00	8.72E+00	U
WG	W-11	420001008	4/3/2017	Sb-125	7.34E-01	2.35E+00	8.11E+00	U
WG	W-11	420001008	4/3/2017	Se-75	-2.87E-01	1.24E+00	3.84E+00	U
WG	W-11	420001008	4/3/2017	Th-228	8.12E-02	2.53E+00	7.03E+00	U
WG	W-11	420001008	4/3/2017	Zn-65	3.98E-01	1.99E+00	6.50E+00	U
WG	W-11	420001008	4/3/2017	Zr-95	-4.62E-01	1.44E+00	4.51E+00	U
WG	W-3	420001003	4/4/2017	Ac-228	7.83E+00	5.73E+00	1.88E+01	U
WG	W-3	420001003	4/4/2017	Ag-108m	-1.76E-01	9.70E-01	3.24E+00	U
WG	W-3	420001003	4/4/2017	Ag-110m	-5.51E-01	1.60E+00	4.95E+00	U
WG	W-3	420001003	4/4/2017	Ba-140	9.04E+00	5.36E+00	1.82E+01	U
WG	W-3	420001003	4/4/2017	Be-7	2.55E+00	9.85E+00	3.37E+01	U
WG	W-3	420001003	4/4/2017	Ce-141	-3.59E+00	2.10E+00	5.70E+00	U
WG	W-3	420001003	4/4/2017	Ce-144	7.85E+00	7.67E+00	2.56E+01	U
WG	W-3	420001003	4/4/2017	Co-57	-6.75E-01	9.58E-01	3.01E+00	U
WG	W-3	420001003	4/4/2017	Co-58	-1.07E+00	1.14E+00	3.21E+00	U
WG	W-3	420001003	4/4/2017	Co-60	-7.97E-01	8.91E-01	2.44E+00	U
WG	W-3	420001003	4/4/2017	Cr-51	-4.33E+00	1.08E+01	3.26E+01	U
WG	W-3	420001003	4/4/2017	Cs-134	1.63E+00	1.19E+00	4.02E+00	U
WG	W-3	420001003	4/4/2017	Cs-137	-1.51E+00	1.17E+00	3.16E+00	U
WG	W-3	420001003	4/4/2017	Fe-59	-2.60E+00	2.18E+00	5.72E+00	U
WG	W-3	420001003	4/4/2017	H-3	3.15E+02	3.77E+02	1.19E+03	U
WG	W-3	420001003	4/4/2017	I-131	1.54E+00	1.77E+00	5.82E+00	U
WG	W-3	420001003	4/4/2017	K-40	3.83E+00	2.00E+01	4.99E+01	U
WG	W-3	420001003	4/4/2017	La-140	2.15E+00	1.61E+00	6.18E+00	U
WG	W-3	420001003	4/4/2017	Mn-54	5.56E-01	1.19E+00	4.01E+00	U
WG	W-3	420001003	4/4/2017	Nb-95	-2.88E+00	1.33E+00	2.66E+00	U
WG	W-3	420001003	4/4/2017	Ru-103	-1.09E+00	1.04E+00	3.07E+00	U
WG	W-3	420001003	4/4/2017	Ru-106	-1.76E+01	1.02E+01	2.47E+01	U
WG	W-3	420001003	4/4/2017	Sb-124	-4.10E-02	2.06E+00	6.75E+00	U
WG	W-3	420001003	4/4/2017	Sb-125	6.86E-01	2.90E+00	9.98E+00	U
WG	W-3	420001003	4/4/2017	Se-75	-1.16E+00	1.54E+00	4.55E+00	U
WG	W-3	420001003	4/4/2017	Th-228	5.91E+00	4.19E+00	8.56E+00	U
WG	W-3	420001003	4/4/2017	Zn-65	1.83E+00	1.76E+00	6.22E+00	U
WG	W-3	420001003	4/4/2017	Zr-95	2.92E+00	1.82E+00	6.59E+00	U
WG	W-7	420001004	4/4/2017	Ac-228	-1.29E+01	6.09E+00	1.50E+01	U
WG	W-7	420001004	4/4/2017	Ag-108m	-1.42E+00	9.89E-01	2.26E+00	U
WG	W-7	420001004	4/4/2017	Ag-110m	-1.22E+00	1.60E+00	4.96E+00	U
WG	W-7	420001004	4/4/2017	Ba-140	-3.01E+00	5.14E+00	1.57E+01	U
WG	W-7	420001004	4/4/2017	Be-7	1.06E+01	1.02E+01	3.50E+01	U
WG	W-7	420001004	4/4/2017	Ce-141	-1.04E-01	2.38E+00	7.19E+00	U
WG	W-7	420001004	4/4/2017	Ce-144	1.70E+01	8.75E+00	2.75E+01	U
WG	W-7	420001004	4/4/2017	Co-57	1.30E+00	2.00E+00	3.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	420001004	4/4/2017	Co-58	9.26E-01	1.04E+00	3.72E+00	U
WG	W-7	420001004	4/4/2017	Co-60	1.93E+00	1.12E+00	4.15E+00	U
WG	W-7	420001004	4/4/2017	Cr-51	8.66E+00	1.03E+01	3.57E+01	U
WG	W-7	420001004	4/4/2017	Cs-134	-1.14E-01	1.36E+00	4.27E+00	U
WG	W-7	420001004	4/4/2017	Cs-137	9.40E-01	1.13E+00	3.86E+00	U
WG	W-7	420001004	4/4/2017	Fe-59	2.49E+00	2.08E+00	7.07E+00	U
WG	W-7	420001004	4/4/2017	H-3	5.56E+02	3.87E+02	1.18E+03	U
WG	W-7	420001004	4/4/2017	I-131	-2.19E+00	2.14E+00	6.54E+00	U
WG	W-7	420001004	4/4/2017	K-40	-6.08E+00	1.84E+01	5.63E+01	U
WG	W-7	420001004	4/4/2017	La-140	-1.06E+00	1.88E+00	5.48E+00	U
WG	W-7	420001004	4/4/2017	Mn-54	1.42E+00	1.06E+00	3.58E+00	U
WG	W-7	420001004	4/4/2017	Nb-95	1.49E-01	1.27E+00	4.07E+00	U
WG	W-7	420001004	4/4/2017	Ru-103	-2.80E-02	1.37E+00	4.01E+00	U
WG	W-7	420001004	4/4/2017	Ru-106	5.95E+00	1.00E+01	3.39E+01	U
WG	W-7	420001004	4/4/2017	Sb-124	-2.97E+00	2.85E+00	7.21E+00	U
WG	W-7	420001004	4/4/2017	Sb-125	5.29E+00	3.42E+00	1.04E+01	U
WG	W-7	420001004	4/4/2017	Se-75	-6.80E-01	1.48E+00	4.92E+00	U
WG	W-7	420001004	4/4/2017	Th-228	3.88E+00	4.42E+00	6.81E+00	U
WG	W-7	420001004	4/4/2017	Zn-65	3.58E+00	2.33E+00	8.01E+00	U
WG	W-7	420001004	4/4/2017	Zr-95	-2.22E+00	1.98E+00	5.24E+00	U
WG	W-13	420001010	4/4/2017	Ac-228	2.61E-02	7.79E+00	1.33E+01	U
WG	W-13	420001010	4/4/2017	Ag-108m	4.04E-01	9.25E-01	3.19E+00	U
WG	W-13	420001010	4/4/2017	Ag-110m	-2.04E+00	1.54E+00	3.88E+00	U
WG	W-13	420001010	4/4/2017	Ba-140	-5.41E+00	5.55E+00	1.64E+01	U
WG	W-13	420001010	4/4/2017	Be-7	9.02E+00	9.49E+00	3.31E+01	U
WG	W-13	420001010	4/4/2017	Ce-141	-1.92E+00	2.04E+00	6.08E+00	U
WG	W-13	420001010	4/4/2017	Ce-144	-7.32E-01	8.12E+00	2.60E+01	U
WG	W-13	420001010	4/4/2017	Co-57	8.09E-01	1.04E+00	3.45E+00	U
WG	W-13	420001010	4/4/2017	Co-58	-1.80E+00	1.19E+00	2.21E+00	U
WG	W-13	420001010	4/4/2017	Co-60	4.22E-01	1.09E+00	3.79E+00	U
WG	W-13	420001010	4/4/2017	Cr-51	2.66E+01	1.60E+01	3.24E+01	U
WG	W-13	420001010	4/4/2017	Cs-134	-9.15E-01	1.15E+00	3.30E+00	U
WG	W-13	420001010	4/4/2017	Cs-137	1.49E-01	1.13E+00	3.75E+00	U
WG	W-13	420001010	4/4/2017	Fe-59	-3.09E+00	2.16E+00	5.68E+00	U
WG	W-13	420001010	4/4/2017	H-3	5.92E+02	3.97E+02	1.20E+03	U
WG	W-13	420001010	4/4/2017	I-131	3.32E-01	1.86E+00	6.38E+00	U
WG	W-13	420001010	4/4/2017	K-40	-2.67E+01	1.51E+01	4.38E+01	U
WG	W-13	420001010	4/4/2017	La-140	-1.00E+00	1.44E+00	4.07E+00	U
WG	W-13	420001010	4/4/2017	Mn-54	-1.72E+00	1.51E+00	3.53E+00	U
WG	W-13	420001010	4/4/2017	Nb-95	-1.73E+00	1.54E+00	4.13E+00	U
WG	W-13	420001010	4/4/2017	Ru-103	-8.05E-01	1.02E+00	3.11E+00	U
WG	W-13	420001010	4/4/2017	Ru-106	-1.32E+01	1.04E+01	2.84E+01	U
WG	W-13	420001010	4/4/2017	Sb-124	2.42E-01	2.54E+00	8.45E+00	U
WG	W-13	420001010	4/4/2017	Sb-125	4.90E-01	3.07E+00	1.04E+01	U
WG	W-13	420001010	4/4/2017	Se-75	3.55E-01	1.59E+00	5.00E+00	U
WG	W-13	420001010	4/4/2017	Th-228	9.36E-01	3.06E+00	7.76E+00	U
WG	W-13	420001010	4/4/2017	Zn-65	1.52E+00	1.89E+00	6.37E+00	U
WG	W-13	420001010	4/4/2017	Zr-95	-1.45E+00	2.17E+00	6.49E+00	U
WG	W-14	420001011	4/4/2017	Ac-228	-6.27E+00	5.38E+00	1.49E+01	U
WG	W-14	420001011	4/4/2017	Ag-108m	2.35E-01	1.04E+00	3.52E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	W-14	420001011	4/4/2017	Ag-110m	-3.24E+00	1.78E+00	4.30E+00	U	
WG	W-14	420001011	4/4/2017	Ba-140	6.38E+00	6.06E+00	2.12E+01	U	
WG	W-14	420001011	4/4/2017	Be-7	-3.45E+00	1.06E+01	3.42E+01	U	
WG	W-14	420001011	4/4/2017	Ce-141	3.61E-01	2.24E+00	7.26E+00	U	
WG	W-14	420001011	4/4/2017	Ce-144	1.22E+01	9.02E+00	2.96E+01	U	
WG	W-14	420001011	4/4/2017	Co-57	-1.55E+00	1.19E+00	3.44E+00	U	
WG	W-14	420001011	4/4/2017	Co-58	1.68E+00	1.31E+00	4.57E+00	U	
WG	W-14	420001011	4/4/2017	Co-60	0.00E+00	0.00E+00	4.53E+00	U	
WG	W-14	420001011	4/4/2017	Cr-51	-2.82E+00	1.10E+01	3.69E+01	U	
WG	W-14	420001011	4/4/2017	Cs-134	-3.06E-01	1.10E+00	3.38E+00	U	
WG	W-14	420001011	4/4/2017	Cs-137	1.82E+00	1.34E+00	4.68E+00	U	
WG	W-14	420001011	4/4/2017	Fe-59	1.58E+00	2.47E+00	8.74E+00	U	
WG	W-14	420001011	4/4/2017	H-3	8.00E+01	3.64E+02	1.19E+03	U	
WG	W-14	420001011	4/4/2017	I-131	-1.92E-01	2.22E+00	7.47E+00	U	
WG	W-14	420001011	4/4/2017	K-40	-3.15E+01	1.62E+01	4.25E+01	U	
WG	W-14	420001011	4/4/2017	La-140	1.28E+00	1.82E+00	6.54E+00	U	
WG	W-14	420001011	4/4/2017	Mn-54	-1.82E+00	1.41E+00	3.63E+00	U	
WG	W-14	420001011	4/4/2017	Nb-95	7.80E-01	1.30E+00	4.37E+00	U	
WG	W-14	420001011	4/4/2017	Ru-103	-2.46E+00	1.56E+00	4.21E+00	U	
WG	W-14	420001011	4/4/2017	Ru-106	-1.41E+00	1.24E+01	4.00E+01	U	
WG	W-14	420001011	4/4/2017	Sb-124	-3.10E+00	2.78E+00	6.48E+00	U	
WG	W-14	420001011	4/4/2017	Sb-125	5.77E+00	3.35E+00	1.17E+01	U	
WG	W-14	420001011	4/4/2017	Se-75	1.79E+00	1.72E+00	5.56E+00	U	
WG	W-14	420001011	4/4/2017	Th-228	3.59E+00	2.78E+00	8.76E+00	U	
WG	W-14	420001011	4/4/2017	Zn-65	1.00E-01	3.48E+00	9.57E+00	U	
WG	W-14	420001011	4/4/2017	Zr-95	-2.76E+00	2.71E+00	7.53E+00	U	
WG	SG-1	420001015	4/4/2017	Ac-228	-6.16E+00	5.45E+00	1.67E+01	U	
WG	SG-1	420001015	4/4/2017	Ag-108m	4.35E-01	1.17E+00	3.95E+00	U	
WG	SG-1	420001015	4/4/2017	Ag-110m	-8.27E-01	1.53E+00	4.88E+00	U	
WG	SG-1	420001015	4/4/2017	ALPHA	-1.15E+01	3.89E+00	1.44E+01	U	DL
WG	SG-1	420001015	4/4/2017	Ba-140	-5.40E+00	7.49E+00	2.19E+01	U	
WG	SG-1	420001015	4/4/2017	Be-7	-6.21E+00	1.12E+01	3.52E+01	U	
WG	SG-1	420001015	4/4/2017	BETA	6.35E+00	2.42E+00	7.46E+00	DL	
WG	SG-1	420001015	4/4/2017	Ce-141	-3.76E+00	2.39E+00	6.51E+00	U	
WG	SG-1	420001015	4/4/2017	Ce-144	2.33E+01	1.15E+01	2.57E+01	U	
WG	SG-1	420001015	4/4/2017	Co-57	-5.01E-01	9.89E-01	2.98E+00	U	
WG	SG-1	420001015	4/4/2017	Co-58	6.38E-01	1.57E+00	5.11E+00	U	
WG	SG-1	420001015	4/4/2017	Co-60	1.26E+00	1.35E+00	4.80E+00	U	
WG	SG-1	420001015	4/4/2017	Cr-51	7.30E+00	9.88E+00	3.43E+01	U	
WG	SG-1	420001015	4/4/2017	Cs-134	-3.03E-01	1.33E+00	4.10E+00	U	
WG	SG-1	420001015	4/4/2017	Cs-137	5.20E-02	1.27E+00	4.12E+00	U	
WG	SG-1	420001015	4/4/2017	Fe-59	-1.60E+00	2.48E+00	7.59E+00	U	
WG	SG-1	420001015	4/4/2017	H-3	-2.54E+02	3.44E+02	1.17E+03	U	
WG	SG-1	420001015	4/4/2017	I-131	-1.17E+00	1.99E+00	6.32E+00	U	
WG	SG-1	420001015	4/4/2017	K-40	2.33E+01	1.72E+01	6.17E+01	U	
WG	SG-1	420001015	4/4/2017	La-140	-1.25E+00	2.12E+00	6.15E+00	U	
WG	SG-1	420001015	4/4/2017	Mn-54	7.22E-01	1.04E+00	3.71E+00	U	
WG	SG-1	420001015	4/4/2017	Nb-95	3.55E-01	1.29E+00	4.22E+00	U	
WG	SG-1	420001015	4/4/2017	Ru-103	-1.34E+00	1.45E+00	4.34E+00	U	
WG	SG-1	420001015	4/4/2017	Ru-106	-5.08E-01	9.65E+00	3.10E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	SG-1	420001015	4/4/2017	Sb-124	4.19E-01	2.97E+00	9.74E+00	U	
WG	SG-1	420001015	4/4/2017	Sb-125	1.93E+00	3.11E+00	1.07E+01	U	
WG	SG-1	420001015	4/4/2017	Se-75	1.40E+00	1.57E+00	5.47E+00	U	
WG	SG-1	420001015	4/4/2017	Th-228	1.02E+00	2.81E+00	8.59E+00	U	
WG	SG-1	420001015	4/4/2017	Zn-65	-4.35E+00	2.84E+00	7.27E+00	U	
WG	SG-1	420001015	4/4/2017	Zr-95	3.20E+00	1.96E+00	6.97E+00	U	
WG	SG-2	420001016	4/4/2017	Ac-228	-5.77E+00	6.36E+00	1.82E+01	U	
WG	SG-2	420001016	4/4/2017	Ag-108m	7.27E-01	9.61E-01	3.33E+00	U	
WG	SG-2	420001016	4/4/2017	Ag-110m	4.92E+00	2.32E+00	4.66E+00	UI	
WG	SG-2	420001016	4/4/2017	ALPHA	-2.17E+00	1.85E+00	6.37E+00	U	DL
WG	SG-2	420001016	4/4/2017	Ba-140	2.26E+00	6.65E+00	2.24E+01	U	
WG	SG-2	420001016	4/4/2017	Be-7	1.49E+00	8.63E+00	2.91E+01	U	
WG	SG-2	420001016	4/4/2017	BETA	2.94E+00	7.37E-01	2.14E+00	M	
WG	SG-2	420001016	4/4/2017	Ce-141	-7.76E+00	3.03E+00	6.33E+00	U	
WG	SG-2	420001016	4/4/2017	Ce-144	-1.28E+01	8.24E+00	2.31E+01	U	
WG	SG-2	420001016	4/4/2017	Co-57	9.54E-01	9.84E-01	3.26E+00	U	
WG	SG-2	420001016	4/4/2017	Co-58	4.82E-02	1.03E+00	3.32E+00	U	
WG	SG-2	420001016	4/4/2017	Co-60	-8.41E-01	1.14E+00	3.35E+00	U	
WG	SG-2	420001016	4/4/2017	Cr-51	-5.48E+00	1.16E+01	3.50E+01	U	
WG	SG-2	420001016	4/4/2017	Cs-134	6.39E-01	1.22E+00	4.08E+00	U	
WG	SG-2	420001016	4/4/2017	Cs-137	-4.28E-01	1.66E+00	5.51E+00	U	
WG	SG-2	420001016	4/4/2017	Fe-59	2.27E+00	2.58E+00	9.15E+00	U	
WG	SG-2	420001016	4/4/2017	H-3	5.21E+02	3.85E+02	1.18E+03	U	
WG	SG-2	420001016	4/4/2017	I-131	8.01E+00	2.44E+00	7.43E+00	UI	
WG	SG-2	420001016	4/4/2017	K-40	1.42E+01	1.24E+01	4.11E+01	U	
WG	SG-2	420001016	4/4/2017	La-140	3.92E-01	1.89E+00	6.33E+00	U	
WG	SG-2	420001016	4/4/2017	Mn-54	-2.10E-01	1.23E+00	3.87E+00	U	
WG	SG-2	420001016	4/4/2017	Nb-95	-4.62E-01	1.12E+00	3.43E+00	U	
WG	SG-2	420001016	4/4/2017	Ru-103	-1.90E+00	1.46E+00	3.81E+00	U	
WG	SG-2	420001016	4/4/2017	Ru-106	1.42E+01	1.12E+01	3.85E+01	U	
WG	SG-2	420001016	4/4/2017	Sb-124	-2.77E+00	2.70E+00	6.97E+00	U	
WG	SG-2	420001016	4/4/2017	Sb-125	2.01E+00	2.98E+00	1.03E+01	U	
WG	SG-2	420001016	4/4/2017	Se-75	1.68E+00	1.64E+00	5.27E+00	U	
WG	SG-2	420001016	4/4/2017	Th-228	9.38E+00	3.41E+00	5.20E+00		
WG	SG-2	420001016	4/4/2017	Zn-65	3.86E-01	2.14E+00	6.53E+00	U	
WG	SG-2	420001016	4/4/2017	Zr-95	6.77E-01	2.09E+00	6.92E+00	U	
WG	SG-4	420001017	4/4/2017	Ac-228	-1.71E+01	7.36E+00	1.53E+01	U	
WG	SG-4	420001017	4/4/2017	Ag-108m	-1.01E+00	1.25E+00	3.75E+00	U	
WG	SG-4	420001017	4/4/2017	Ag-110m	-4.71E-01	1.54E+00	5.05E+00	U	
WG	SG-4	420001017	4/4/2017	ALPHA	2.11E-01	1.09E+00	3.56E+00	U	
WG	SG-4	420001017	4/4/2017	Ba-140	-2.01E+00	6.46E+00	2.02E+01	U	
WG	SG-4	420001017	4/4/2017	Be-7	-3.21E-01	1.11E+01	3.58E+01	U	
WG	SG-4	420001017	4/4/2017	BETA	9.42E+00	1.04E+00	1.78E+00		
WG	SG-4	420001017	4/4/2017	Ce-141	5.47E-01	2.18E+00	7.43E+00	U	
WG	SG-4	420001017	4/4/2017	Ce-144	-6.67E+00	8.56E+00	2.76E+01	U	
WG	SG-4	420001017	4/4/2017	Co-57	4.30E-02	1.05E+00	3.57E+00	U	
WG	SG-4	420001017	4/4/2017	Co-58	-1.08E+00	1.14E+00	3.40E+00	U	
WG	SG-4	420001017	4/4/2017	Co-60	2.88E+00	1.63E+00	5.81E+00	U	
WG	SG-4	420001017	4/4/2017	Cr-51	-7.31E-01	1.22E+01	4.02E+01	U	
WG	SG-4	420001017	4/4/2017	Cs-134	7.16E-01	1.30E+00	4.58E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-4	420001017	4/4/2017	Cs-137	-5.73E-01	1.20E+00	3.60E+00	U
WG	SG-4	420001017	4/4/2017	Fe-59	-1.82E-01	2.17E+00	7.16E+00	U
WG	SG-4	420001017	4/4/2017	H-3	-8.04E+01	3.48E+02	1.16E+03	U
WG	SG-4	420001017	4/4/2017	I-131	1.80E+00	2.33E+00	7.89E+00	U
WG	SG-4	420001017	4/4/2017	K-40	-3.38E+01	1.88E+01	5.12E+01	U
WG	SG-4	420001017	4/4/2017	La-140	-3.58E+00	2.70E+00	5.14E+00	U
WG	SG-4	420001017	4/4/2017	Mn-54	-2.60E-01	1.29E+00	3.97E+00	U
WG	SG-4	420001017	4/4/2017	Nb-95	-6.37E-01	1.40E+00	3.97E+00	U
WG	SG-4	420001017	4/4/2017	Ru-103	7.24E-01	1.27E+00	4.26E+00	U
WG	SG-4	420001017	4/4/2017	Ru-106	1.06E+01	1.31E+01	4.38E+01	U
WG	SG-4	420001017	4/4/2017	Sb-124	-1.96E+00	2.83E+00	8.01E+00	U
WG	SG-4	420001017	4/4/2017	Sb-125	3.38E+00	3.73E+00	1.26E+01	U
WG	SG-4	420001017	4/4/2017	Se-75	1.23E+00	1.55E+00	5.26E+00	U
WG	SG-4	420001017	4/4/2017	Th-228	2.06E+01	7.55E+00	9.61E+00	UI
WG	SG-4	420001017	4/4/2017	Zn-65	3.71E+00	3.24E+00	1.09E+01	U
WG	SG-4	420001017	4/4/2017	Zr-95	1.46E-01	2.64E+00	8.42E+00	U
WG	SG-5	420001018	4/4/2017	Ac-228	-8.29E+00	5.66E+00	1.64E+01	U
WG	SG-5	420001018	4/4/2017	Ag-108m	3.12E-01	9.01E-01	3.06E+00	U
WG	SG-5	420001018	4/4/2017	Ag-110m	1.30E+00	1.51E+00	5.39E+00	U
WG	SG-5	420001018	4/4/2017	ALPHA	2.89E+00	1.12E+00	3.20E+00	U
WG	SG-5	420001018	4/4/2017	Ba-140	9.58E-01	5.86E+00	1.94E+01	U
WG	SG-5	420001018	4/4/2017	Be-7	-1.57E+01	1.14E+01	3.19E+01	U
WG	SG-5	420001018	4/4/2017	BETA	2.01E+01	1.85E+00	1.55E+00	
WG	SG-5	420001018	4/4/2017	Ce-141	-4.44E+00	2.65E+00	6.79E+00	U
WG	SG-5	420001018	4/4/2017	Ce-144	3.89E+00	7.96E+00	2.60E+01	U
WG	SG-5	420001018	4/4/2017	Co-57	6.38E-01	1.14E+00	3.74E+00	U
WG	SG-5	420001018	4/4/2017	Co-58	-1.13E+00	9.46E-01	2.66E+00	U
WG	SG-5	420001018	4/4/2017	Co-60	-2.02E+00	1.35E+00	3.30E+00	U
WG	SG-5	420001018	4/4/2017	Cr-51	-1.31E+01	1.17E+01	3.59E+01	U
WG	SG-5	420001018	4/4/2017	Cs-134	3.08E-01	1.24E+00	4.04E+00	U
WG	SG-5	420001018	4/4/2017	Cs-137	1.02E+00	1.26E+00	4.26E+00	U
WG	SG-5	420001018	4/4/2017	Fe-59	3.45E+00	2.45E+00	8.80E+00	U
WG	SG-5	420001018	4/4/2017	H-3	9.46E+01	3.53E+02	1.15E+03	U
WG	SG-5	420001018	4/4/2017	I-131	-1.44E+00	2.01E+00	6.33E+00	U
WG	SG-5	420001018	4/4/2017	K-40	6.07E+00	1.71E+01	6.02E+01	U
WG	SG-5	420001018	4/4/2017	La-140	2.66E+00	1.74E+00	6.58E+00	U
WG	SG-5	420001018	4/4/2017	Mn-54	-1.73E+00	1.17E+00	3.20E+00	U
WG	SG-5	420001018	4/4/2017	Nb-95	-5.91E-01	1.23E+00	3.21E+00	U
WG	SG-5	420001018	4/4/2017	Ru-103	-2.62E+00	1.28E+00	2.94E+00	U
WG	SG-5	420001018	4/4/2017	Ru-106	1.96E+01	1.08E+01	3.72E+01	U
WG	SG-5	420001018	4/4/2017	Sb-124	3.74E+00	3.08E+00	1.11E+01	U
WG	SG-5	420001018	4/4/2017	Sb-125	3.08E+00	3.78E+00	1.18E+01	U
WG	SG-5	420001018	4/4/2017	Se-75	3.21E-01	1.51E+00	5.19E+00	U
WG	SG-5	420001018	4/4/2017	Th-228	2.51E+00	3.55E+00	8.50E+00	U
WG	SG-5	420001018	4/4/2017	Zn-65	-4.12E+00	2.91E+00	7.82E+00	U
WG	SG-5	420001018	4/4/2017	Zr-95	2.39E+00	2.09E+00	7.19E+00	U
WG	W-2	420001002	4/5/2017	Ac-228	-1.10E+01	6.35E+00	1.56E+01	U
WG	W-2	420001002	4/5/2017	Ag-108m	-3.17E-01	1.12E+00	3.55E+00	U
WG	W-2	420001002	4/5/2017	Ag-110m	-3.47E-01	1.30E+00	4.23E+00	U
WG	W-2	420001002	4/5/2017	Ba-140	-2.25E+00	5.86E+00	1.81E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-2	420001002	4/5/2017	Be-7	-4.81E+00	1.25E+01	3.45E+01	U
WG	W-2	420001002	4/5/2017	Ce-141	1.73E+00	2.13E+00	7.31E+00	U
WG	W-2	420001002	4/5/2017	Ce-144	-8.62E+00	8.21E+00	2.57E+01	U
WG	W-2	420001002	4/5/2017	Co-57	-3.71E-01	1.19E+00	3.98E+00	U
WG	W-2	420001002	4/5/2017	Co-58	-9.51E-01	1.20E+00	3.72E+00	U
WG	W-2	420001002	4/5/2017	Co-60	5.01E-01	1.37E+00	4.68E+00	U
WG	W-2	420001002	4/5/2017	Cr-51	-3.36E+00	1.16E+01	3.75E+01	U
WG	W-2	420001002	4/5/2017	Cs-134	-9.75E-01	1.26E+00	3.92E+00	U
WG	W-2	420001002	4/5/2017	Cs-137	6.82E-01	1.17E+00	3.92E+00	U
WG	W-2	420001002	4/5/2017	Fe-59	-4.68E-01	2.51E+00	8.23E+00	U
WG	W-2	420001002	4/5/2017	H-3	-1.20E+02	3.52E+02	1.18E+03	U
WG	W-2	420001002	4/5/2017	I-131	-4.58E-01	2.21E+00	6.33E+00	U
WG	W-2	420001002	4/5/2017	K-40	3.80E+01	2.69E+01	4.12E+01	U
WG	W-2	420001002	4/5/2017	La-140	-3.03E+00	2.74E+00	7.59E+00	U
WG	W-2	420001002	4/5/2017	Mn-54	8.94E-01	1.27E+00	4.47E+00	U
WG	W-2	420001002	4/5/2017	Nb-95	2.35E-02	1.31E+00	4.48E+00	U
WG	W-2	420001002	4/5/2017	Ru-103	-9.16E-01	1.28E+00	3.83E+00	U
WG	W-2	420001002	4/5/2017	Ru-106	-1.74E+01	1.33E+01	3.58E+01	U
WG	W-2	420001002	4/5/2017	Sb-124	2.04E+00	3.55E+00	1.23E+01	U
WG	W-2	420001002	4/5/2017	Sb-125	2.05E-01	3.50E+00	1.15E+01	U
WG	W-2	420001002	4/5/2017	Se-75	6.50E-01	1.67E+00	5.61E+00	U
WG	W-2	420001002	4/5/2017	Th-228	5.14E+00	4.35E+00	8.82E+00	U
WG	W-2	420001002	4/5/2017	Zn-65	-1.11E+00	2.68E+00	8.52E+00	U
WG	W-2	420001002	4/5/2017	Zr-95	1.30E+00	1.95E+00	6.05E+00	U
WG	W-9	420001006	4/5/2017	Ac-228	4.50E+00	7.83E+00	1.67E+01	U
WG	W-9	420001006	4/5/2017	Ag-108m	8.11E-01	8.87E-01	3.04E+00	U
WG	W-9	420001006	4/5/2017	Ag-110m	7.19E-01	1.20E+00	4.23E+00	U
WG	W-9	420001006	4/5/2017	Ba-140	2.88E+00	5.44E+00	1.83E+01	U
WG	W-9	420001006	4/5/2017	Be-7	-4.11E+00	9.52E+00	3.03E+01	U
WG	W-9	420001006	4/5/2017	Ce-141	-1.70E-01	1.84E+00	5.83E+00	U
WG	W-9	420001006	4/5/2017	Ce-144	5.11E-01	7.31E+00	2.34E+01	U
WG	W-9	420001006	4/5/2017	Co-57	2.85E-02	8.56E-01	2.75E+00	U
WG	W-9	420001006	4/5/2017	Co-58	-3.25E-01	1.10E+00	3.18E+00	U
WG	W-9	420001006	4/5/2017	Co-60	7.06E-01	1.05E+00	3.64E+00	U
WG	W-9	420001006	4/5/2017	Cr-51	5.77E+00	8.86E+00	3.06E+01	U
WG	W-9	420001006	4/5/2017	Cs-134	1.16E+00	1.14E+00	3.87E+00	U
WG	W-9	420001006	4/5/2017	Cs-137	1.59E+00	1.15E+00	3.92E+00	U
WG	W-9	420001006	4/5/2017	Fe-59	1.65E+00	2.23E+00	7.75E+00	U
WG	W-9	420001006	4/5/2017	H-3	3.85E+02	3.85E+02	1.20E+03	U
WG	W-9	420001006	4/5/2017	I-131	8.74E-01	1.78E+00	6.08E+00	U
WG	W-9	420001006	4/5/2017	K-40	-2.79E+01	1.79E+01	5.62E+01	U
WG	W-9	420001006	4/5/2017	La-140	1.53E+00	1.57E+00	5.58E+00	U
WG	W-9	420001006	4/5/2017	Mn-54	1.19E+00	1.05E+00	3.73E+00	U
WG	W-9	420001006	4/5/2017	Nb-95	-1.58E+00	1.28E+00	2.87E+00	U
WG	W-9	420001006	4/5/2017	Ru-103	-1.02E+00	9.91E-01	2.89E+00	U
WG	W-9	420001006	4/5/2017	Ru-106	-4.36E+00	1.11E+01	3.47E+01	U
WG	W-9	420001006	4/5/2017	Sb-124	2.88E+00	2.25E+00	8.25E+00	U
WG	W-9	420001006	4/5/2017	Sb-125	1.16E+00	2.86E+00	9.66E+00	U
WG	W-9	420001006	4/5/2017	Se-75	-4.38E-02	1.28E+00	4.36E+00	U
WG	W-9	420001006	4/5/2017	Th-228	-1.58E+00	2.48E+00	7.47E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-9	420001006	4/5/2017	Zn-65	-2.00E+00	2.36E+00	7.08E+00	U
WG	W-9	420001006	4/5/2017	Zr-95	-4.17E-01	1.85E+00	5.74E+00	U
WG	W-12	420001009	4/5/2017	Ac-228	7.35E-01	5.73E+00	1.95E+01	U
WG	W-12	420001009	4/5/2017	Ag-108m	1.84E+00	1.17E+00	3.99E+00	U
WG	W-12	420001009	4/5/2017	Ag-110m	-5.00E-02	1.30E+00	4.11E+00	U
WG	W-12	420001009	4/5/2017	Ba-140	-2.84E+00	6.97E+00	2.08E+01	U
WG	W-12	420001009	4/5/2017	Be-7	8.96E+00	1.13E+01	3.85E+01	U
WG	W-12	420001009	4/5/2017	Ce-141	-8.74E-01	2.57E+00	7.62E+00	U
WG	W-12	420001009	4/5/2017	Ce-144	1.08E+00	8.91E+00	2.78E+01	U
WG	W-12	420001009	4/5/2017	Co-57	3.93E-01	1.17E+00	3.68E+00	U
WG	W-12	420001009	4/5/2017	Co-58	-9.24E-02	1.04E+00	3.28E+00	U
WG	W-12	420001009	4/5/2017	Co-60	1.36E+00	1.23E+00	4.49E+00	U
WG	W-12	420001009	4/5/2017	Cr-51	-4.27E+00	1.15E+01	3.76E+01	U
WG	W-12	420001009	4/5/2017	Cs-134	-2.24E+00	1.37E+00	3.18E+00	U
WG	W-12	420001009	4/5/2017	Cs-137	2.19E-01	1.23E+00	4.02E+00	U
WG	W-12	420001009	4/5/2017	Fe-59	-1.01E-02	1.78E+00	5.99E+00	U
WG	W-12	420001009	4/5/2017	H-3	2.83E+02	3.77E+02	1.19E+03	U
WG	W-12	420001009	4/5/2017	I-131	3.32E-01	1.88E+00	6.31E+00	U
WG	W-12	420001009	4/5/2017	K-40	-1.88E+01	1.78E+01	5.52E+01	U
WG	W-12	420001009	4/5/2017	La-140	1.96E-01	2.57E+00	7.49E+00	U
WG	W-12	420001009	4/5/2017	Mn-54	-1.07E+00	1.16E+00	3.20E+00	U
WG	W-12	420001009	4/5/2017	Nb-95	-1.25E+00	1.27E+00	3.52E+00	U
WG	W-12	420001009	4/5/2017	Ru-103	-3.59E-01	1.26E+00	4.04E+00	U
WG	W-12	420001009	4/5/2017	Ru-106	2.84E+01	1.20E+01	2.10E+01	UI
WG	W-12	420001009	4/5/2017	Sb-124	-2.45E-01	2.83E+00	9.14E+00	U
WG	W-12	420001009	4/5/2017	Sb-125	4.59E-01	3.25E+00	1.08E+01	U
WG	W-12	420001009	4/5/2017	Se-75	-1.34E+00	1.44E+00	4.49E+00	U
WG	W-12	420001009	4/5/2017	Th-228	3.25E+00	4.00E+00	8.33E+00	U
WG	W-12	420001009	4/5/2017	Zn-65	2.27E+00	2.13E+00	7.28E+00	U
WG	W-12	420001009	4/5/2017	Zr-95	-2.73E+00	2.20E+00	5.77E+00	U
WG	W-15	420001012	4/5/2017	Ac-228	-7.93E+00	6.19E+00	1.82E+01	U
WG	W-15	420001012	4/5/2017	Ag-108m	4.19E-01	9.28E-01	3.19E+00	U
WG	W-15	420001012	4/5/2017	Ag-110m	8.34E-01	1.23E+00	4.20E+00	U
WG	W-15	420001012	4/5/2017	Ba-140	2.25E+00	4.92E+00	1.68E+01	U
WG	W-15	420001012	4/5/2017	Be-7	7.35E+00	9.06E+00	3.14E+01	U
WG	W-15	420001012	4/5/2017	Ce-141	-6.03E+00	2.65E+00	5.90E+00	U
WG	W-15	420001012	4/5/2017	Ce-144	8.36E+00	7.11E+00	2.35E+01	U
WG	W-15	420001012	4/5/2017	Co-57	6.24E-01	9.97E-01	3.30E+00	U
WG	W-15	420001012	4/5/2017	Co-58	-1.21E+00	1.20E+00	3.35E+00	U
WG	W-15	420001012	4/5/2017	Co-60	1.09E+00	1.05E+00	3.83E+00	U
WG	W-15	420001012	4/5/2017	Cr-51	-1.90E+01	1.17E+01	3.04E+01	U
WG	W-15	420001012	4/5/2017	Cs-134	-2.34E+00	1.29E+00	2.85E+00	U
WG	W-15	420001012	4/5/2017	Cs-137	-6.38E-01	1.46E+00	4.82E+00	U
WG	W-15	420001012	4/5/2017	Fe-59	2.07E-01	2.08E+00	7.08E+00	U
WG	W-15	420001012	4/5/2017	H-3	-4.10E+02	3.44E+02	1.20E+03	U
WG	W-15	420001012	4/5/2017	I-131	-1.15E+00	1.37E+00	4.25E+00	U
WG	W-15	420001012	4/5/2017	K-40	6.74E+00	1.27E+01	4.61E+01	U
WG	W-15	420001012	4/5/2017	La-140	1.11E+00	1.70E+00	5.98E+00	U
WG	W-15	420001012	4/5/2017	Mn-54	2.80E-01	1.15E+00	3.74E+00	U
WG	W-15	420001012	4/5/2017	Nb-95	-1.47E+00	1.21E+00	3.28E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-15	420001012	4/5/2017	Ru-103	-5.22E-01	1.41E+00	4.23E+00	U
WG	W-15	420001012	4/5/2017	Ru-106	-1.14E+01	1.04E+01	2.94E+01	U
WG	W-15	420001012	4/5/2017	Sb-124	-1.06E-01	2.47E+00	7.95E+00	U
WG	W-15	420001012	4/5/2017	Sb-125	-1.57E+00	2.70E+00	8.59E+00	U
WG	W-15	420001012	4/5/2017	Se-75	3.20E+00	1.68E+00	5.40E+00	U
WG	W-15	420001012	4/5/2017	Th-228	2.78E+00	2.59E+00	8.25E+00	U
WG	W-15	420001012	4/5/2017	Zn-65	3.54E-01	2.32E+00	7.04E+00	U
WG	W-15	420001012	4/5/2017	Zr-95	0.00E+00	0.00E+00	6.14E+00	U
WG	MW-20	420001013	4/5/2017	Ac-228	4.09E+00	1.15E+01	3.08E+01	U
WG	MW-20	420001013	4/5/2017	Ag-108m	2.46E-01	1.29E+00	4.46E+00	U
WG	MW-20	420001013	4/5/2017	Ag-110m	-1.89E+00	2.45E+00	6.92E+00	U
WG	MW-20	420001013	4/5/2017	Ba-140	1.78E+00	6.98E+00	2.40E+01	U
WG	MW-20	420001013	4/5/2017	Be-7	2.29E+01	1.54E+01	5.50E+01	U
WG	MW-20	420001013	4/5/2017	Ce-141	1.56E+00	2.58E+00	8.70E+00	U
WG	MW-20	420001013	4/5/2017	Ce-144	2.45E+01	1.23E+01	3.08E+01	U
WG	MW-20	420001013	4/5/2017	Co-57	-2.55E-01	1.24E+00	4.10E+00	U
WG	MW-20	420001013	4/5/2017	Co-58	2.52E+00	1.80E+00	6.51E+00	U
WG	MW-20	420001013	4/5/2017	Co-60	-2.15E+00	1.82E+00	4.58E+00	U
WG	MW-20	420001013	4/5/2017	Cr-51	2.35E+01	1.52E+01	5.07E+01	U
WG	MW-20	420001013	4/5/2017	Cs-134	2.24E+00	2.28E+00	7.95E+00	U
WG	MW-20	420001013	4/5/2017	Cs-137	-3.07E+00	1.69E+00	3.57E+00	U
WG	MW-20	420001013	4/5/2017	Fe-59	-1.58E+00	3.93E+00	1.27E+01	U
WG	MW-20	420001013	4/5/2017	H-3	3.52E+02	3.77E+02	1.18E+03	U
WG	MW-20	420001013	4/5/2017	I-131	1.47E+00	3.09E+00	9.95E+00	U
WG	MW-20	420001013	4/5/2017	K-40	4.96E+01	3.09E+01	4.68E+01	UI
WG	MW-20	420001013	4/5/2017	La-140	4.01E+00	2.21E+00	9.34E+00	U
WG	MW-20	420001013	4/5/2017	Mn-54	1.70E+00	1.62E+00	5.79E+00	U
WG	MW-20	420001013	4/5/2017	Nb-95	1.70E+00	2.25E+00	7.71E+00	U
WG	MW-20	420001013	4/5/2017	Ru-103	-3.79E+00	2.11E+00	4.33E+00	U
WG	MW-20	420001013	4/5/2017	Ru-106	-2.47E+00	1.44E+01	4.67E+01	U
WG	MW-20	420001013	4/5/2017	Sb-124	1.58E+00	2.85E+00	1.07E+01	U
WG	MW-20	420001013	4/5/2017	Sb-125	3.09E+00	3.80E+00	1.36E+01	U
WG	MW-20	420001013	4/5/2017	Se-75	-8.02E-01	2.00E+00	6.14E+00	U
WG	MW-20	420001013	4/5/2017	Th-228	1.14E+00	3.57E+00	1.19E+01	U
WG	MW-20	420001013	4/5/2017	Zn-65	-2.33E+00	3.42E+00	8.56E+00	U
WG	MW-20	420001013	4/5/2017	Zr-95	-8.33E-01	2.86E+00	8.96E+00	U
WG	MW-21	420001014	4/5/2017	Ac-228	-3.67E-01	5.52E+00	1.71E+01	U
WG	MW-21	420001014	4/5/2017	Ag-108m	1.82E+00	1.16E+00	4.02E+00	U
WG	MW-21	420001014	4/5/2017	Ag-110m	8.70E-01	1.61E+00	5.48E+00	U
WG	MW-21	420001014	4/5/2017	Ba-140	-4.89E+00	6.33E+00	1.90E+01	U
WG	MW-21	420001014	4/5/2017	Be-7	3.78E+00	1.33E+01	4.30E+01	U
WG	MW-21	420001014	4/5/2017	Ce-141	-1.06E+00	2.35E+00	7.86E+00	U
WG	MW-21	420001014	4/5/2017	Ce-144	2.47E+00	9.53E+00	3.30E+01	U
WG	MW-21	420001014	4/5/2017	Co-57	6.31E-01	1.22E+00	4.23E+00	U
WG	MW-21	420001014	4/5/2017	Co-58	4.34E-01	1.26E+00	4.20E+00	U
WG	MW-21	420001014	4/5/2017	Co-60	1.14E+00	1.34E+00	4.90E+00	U
WG	MW-21	420001014	4/5/2017	Cr-51	-1.13E+01	1.21E+01	3.23E+01	U
WG	MW-21	420001014	4/5/2017	Cs-134	1.38E+00	1.54E+00	5.30E+00	U
WG	MW-21	420001014	4/5/2017	Cs-137	8.54E-01	1.32E+00	4.52E+00	U
WG	MW-21	420001014	4/5/2017	Fe-59	5.58E-01	2.95E+00	9.56E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-21	420001014	4/5/2017	H-3	-1.34E+02	3.39E+02	1.14E+03	U
WG	MW-21	420001014	4/5/2017	I-131	-1.28E+00	2.29E+00	7.31E+00	U
WG	MW-21	420001014	4/5/2017	K-40	-1.88E+01	1.93E+01	6.07E+01	U
WG	MW-21	420001014	4/5/2017	La-140	-2.70E+00	2.73E+00	7.80E+00	U
WG	MW-21	420001014	4/5/2017	Mn-54	-7.87E-02	1.39E+00	4.47E+00	U
WG	MW-21	420001014	4/5/2017	Nb-95	-2.55E-01	1.47E+00	4.66E+00	U
WG	MW-21	420001014	4/5/2017	Ru-103	-4.25E-01	1.46E+00	4.69E+00	U
WG	MW-21	420001014	4/5/2017	Ru-106	4.22E+01	2.53E+01	3.42E+01	UI
WG	MW-21	420001014	4/5/2017	Sb-124	2.74E+00	3.97E+00	1.41E+01	U
WG	MW-21	420001014	4/5/2017	Sb-125	4.89E+00	4.51E+00	1.18E+01	U
WG	MW-21	420001014	4/5/2017	Se-75	2.31E+00	1.66E+00	5.70E+00	U
WG	MW-21	420001014	4/5/2017	Th-228	3.66E+00	4.62E+00	9.79E+00	U
WG	MW-21	420001014	4/5/2017	Zn-65	2.29E+00	2.39E+00	8.45E+00	U
WG	MW-21	420001014	4/5/2017	Zr-95	1.39E+00	2.04E+00	7.05E+00	U
WG	W-4	420875001	4/17/2017	Ac-228	-9.11E+00	3.94E+00	5.91E+00	U
WG	W-4	420875001	4/17/2017	Ag-108m	-3.00E-01	3.28E-01	1.05E+00	U
WG	W-4	420875001	4/17/2017	Ag-110m	-2.97E-01	4.80E-01	1.47E+00	U
WG	W-4	420875001	4/17/2017	Ba-140	-4.61E+00	3.41E+00	5.22E+00	U
WG	W-4	420875001	4/17/2017	Be-7	-3.26E+00	3.28E+00	1.04E+01	U
WG	W-4	420875001	4/17/2017	Ce-141	2.50E-01	6.87E-01	2.05E+00	U
WG	W-4	420875001	4/17/2017	Ce-144	1.86E+00	2.56E+00	8.26E+00	U
WG	W-4	420875001	4/17/2017	Co-57	-2.27E-01	3.42E-01	1.09E+00	U
WG	W-4	420875001	4/17/2017	Co-58	-9.99E-02	4.03E-01	1.28E+00	U
WG	W-4	420875001	4/17/2017	Co-60	-1.53E-01	3.90E-01	1.26E+00	U
WG	W-4	420875001	4/17/2017	Cr-51	6.38E-01	3.23E+00	1.11E+01	U
WG	W-4	420875001	4/17/2017	Cs-134	-3.81E-01	4.48E-01	1.37E+00	U
WG	W-4	420875001	4/17/2017	Cs-137	-7.51E-01	9.17E-01	1.86E+00	U
WG	W-4	420875001	4/17/2017	Fe-59	1.20E+00	7.76E-01	2.34E+00	U
WG	W-4	420875001	4/17/2017	H-3	1.02E+03	5.33E+02	1.53E+03	U
WG	W-4	420875001	4/17/2017	I-131	-3.73E-01	5.41E-01	1.78E+00	U
WG	W-4	420875001	4/17/2017	K-40	1.65E+01	1.22E+01	1.11E+01	UI
WG	W-4	420875001	4/17/2017	La-140	2.66E-01	5.77E-01	1.91E+00	U
WG	W-4	420875001	4/17/2017	Mn-54	-5.62E-03	3.98E-01	1.27E+00	U
WG	W-4	420875001	4/17/2017	Nb-95	3.64E-01	4.38E-01	1.28E+00	U
WG	W-4	420875001	4/17/2017	Ru-103	-1.79E-02	4.33E-01	1.29E+00	U
WG	W-4	420875001	4/17/2017	Ru-106	-3.01E+00	3.48E+00	1.09E+01	U
WG	W-4	420875001	4/17/2017	Sb-124	6.72E-02	8.72E-01	2.84E+00	U
WG	W-4	420875001	4/17/2017	Sb-125	1.24E-01	1.09E+00	3.65E+00	U
WG	W-4	420875001	4/17/2017	Se-75	-2.00E-02	5.43E-01	1.69E+00	U
WG	W-4	420875001	4/17/2017	Th-228	3.96E+00	1.60E+00	2.22E+00	UI
WG	W-4	420875001	4/17/2017	Zn-65	1.46E+00	9.39E-01	2.80E+00	U
WG	W-4	420875001	4/17/2017	Zr-95	-3.36E-01	6.33E-01	1.98E+00	U
WG	W-5	420875002	4/17/2017	Ac-228	-3.64E+00	3.30E+00	5.86E+00	U
WG	W-5	420875002	4/17/2017	Ag-108m	-6.41E-01	4.16E-01	1.21E+00	U
WG	W-5	420875002	4/17/2017	Ag-110m	-2.24E-01	5.54E-01	1.84E+00	U
WG	W-5	420875002	4/17/2017	Ba-140	-7.21E-02	1.92E+00	6.19E+00	U
WG	W-5	420875002	4/17/2017	Be-7	-4.04E+00	3.74E+00	1.14E+01	U
WG	W-5	420875002	4/17/2017	Ce-141	5.84E-01	8.11E-01	2.46E+00	U
WG	W-5	420875002	4/17/2017	Ce-144	-7.34E-01	2.86E+00	9.64E+00	U
WG	W-5	420875002	4/17/2017	Co-57	-3.20E-01	3.90E-01	1.28E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	420875002	4/17/2017	Co-58	6.03E-01	4.70E-01	1.42E+00	U
WG	W-5	420875002	4/17/2017	Co-60	4.14E-01	4.80E-01	1.61E+00	U
WG	W-5	420875002	4/17/2017	Cr-51	-3.94E+00	3.82E+00	1.19E+01	U
WG	W-5	420875002	4/17/2017	Cs-134	3.60E-02	4.29E-01	1.46E+00	U
WG	W-5	420875002	4/17/2017	Cs-137	-8.16E-01	4.91E-01	1.36E+00	U
WG	W-5	420875002	4/17/2017	Fe-59	1.39E-01	8.12E-01	2.73E+00	U
WG	W-5	420875002	4/17/2017	H-3	1.29E+03	5.30E+02	1.44E+03	U
WG	W-5	420875002	4/17/2017	I-131	-5.36E-01	6.51E-01	2.06E+00	U
WG	W-5	420875002	4/17/2017	K-40	-5.12E+00	9.74E+00	1.70E+01	U
WG	W-5	420875002	4/17/2017	La-140	1.42E+00	1.14E+00	2.15E+00	U
WG	W-5	420875002	4/17/2017	Mn-54	-9.71E-02	3.87E-01	1.30E+00	U
WG	W-5	420875002	4/17/2017	Nb-95	-4.37E-01	4.36E-01	1.40E+00	U
WG	W-5	420875002	4/17/2017	Ru-103	-8.27E-01	4.84E-01	1.36E+00	U
WG	W-5	420875002	4/17/2017	Ru-106	-3.45E+00	4.18E+00	1.28E+01	U
WG	W-5	420875002	4/17/2017	Sb-124	3.50E-01	1.15E+00	3.80E+00	U
WG	W-5	420875002	4/17/2017	Sb-125	-7.83E-01	1.14E+00	3.61E+00	U
WG	W-5	420875002	4/17/2017	Se-75	8.44E-01	6.02E-01	1.94E+00	U
WG	W-5	420875002	4/17/2017	Th-228	1.52E+00	1.54E+00	3.02E+00	U
WG	W-5	420875002	4/17/2017	Zn-65	-9.55E-01	1.00E+00	2.73E+00	U
WG	W-5	420875002	4/17/2017	Zr-95	-8.92E-01	8.17E-01	2.40E+00	U
WG	W-6	420875003	4/17/2017	Ac-228	-3.72E+00	2.96E+00	5.48E+00	U
WG	W-6	420875003	4/17/2017	Ag-108m	-1.91E-01	3.18E-01	1.04E+00	U
WG	W-6	420875003	4/17/2017	Ag-110m	-6.69E-01	5.32E-01	1.53E+00	U
WG	W-6	420875003	4/17/2017	Ba-140	3.16E-01	1.65E+00	5.47E+00	U
WG	W-6	420875003	4/17/2017	Be-7	-3.41E+00	3.34E+00	1.05E+01	U
WG	W-6	420875003	4/17/2017	Ce-141	-5.44E-01	7.19E-01	2.07E+00	U
WG	W-6	420875003	4/17/2017	Ce-144	2.59E+00	2.69E+00	8.62E+00	U
WG	W-6	420875003	4/17/2017	Co-57	-4.59E-01	3.59E-01	1.09E+00	U
WG	W-6	420875003	4/17/2017	Co-58	-3.99E-01	3.96E-01	1.19E+00	U
WG	W-6	420875003	4/17/2017	Co-60	-4.91E-01	4.51E-01	1.18E+00	U
WG	W-6	420875003	4/17/2017	Cr-51	4.26E+00	3.41E+00	1.14E+01	U
WG	W-6	420875003	4/17/2017	Cs-134	3.91E-01	5.04E-01	1.47E+00	U
WG	W-6	420875003	4/17/2017	Cs-137	-8.74E-01	5.06E-01	1.23E+00	U
WG	W-6	420875003	4/17/2017	Fe-59	-2.96E-01	6.97E-01	2.30E+00	U
WG	W-6	420875003	4/17/2017	H-3	9.58E+02	5.08E+02	1.45E+03	U
WG	W-6	420875003	4/17/2017	I-131	-2.34E-01	5.46E-01	1.82E+00	U
WG	W-6	420875003	4/17/2017	K-40	-1.69E+01	9.39E+00	1.92E+01	U
WG	W-6	420875003	4/17/2017	La-140	-7.60E-01	6.01E-01	1.75E+00	U
WG	W-6	420875003	4/17/2017	Mn-54	-1.66E-01	3.94E-01	1.24E+00	U
WG	W-6	420875003	4/17/2017	Nb-95	-7.20E-01	4.56E-01	1.29E+00	U
WG	W-6	420875003	4/17/2017	Ru-103	-1.49E-01	4.08E-01	1.19E+00	U
WG	W-6	420875003	4/17/2017	Ru-106	3.96E+00	4.59E+00	1.03E+01	U
WG	W-6	420875003	4/17/2017	Sb-124	1.82E-01	1.01E+00	3.31E+00	U
WG	W-6	420875003	4/17/2017	Sb-125	5.97E-02	1.04E+00	3.48E+00	U
WG	W-6	420875003	4/17/2017	Se-75	1.20E+00	7.29E-01	1.64E+00	U
WG	W-6	420875003	4/17/2017	Th-228	1.99E+00	1.64E+00	2.17E+00	U
WG	W-6	420875003	4/17/2017	Zn-65	1.14E+00	7.62E-01	2.33E+00	U
WG	W-6	420875003	4/17/2017	Zr-95	1.26E+00	7.23E-01	2.29E+00	U
WG	W-2	428135002	7/13/2017	Ac-228	-1.08E+00	4.31E+00	1.46E+01	U
WG	W-2	428135002	7/13/2017	Ag-108m	-6.71E-01	7.87E-01	2.44E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-2	428135002	7/13/2017	Ag-110m	2.11E+00	1.23E+00	4.45E+00	U
WG	W-2	428135002	7/13/2017	Ba-140	-1.62E+01	8.05E+00	1.89E+01	U
WG	W-2	428135002	7/13/2017	Be-7	-6.47E+00	8.63E+00	2.69E+01	U
WG	W-2	428135002	7/13/2017	Ce-141	-4.57E+00	2.37E+00	6.11E+00	U
WG	W-2	428135002	7/13/2017	Ce-144	2.36E+00	6.06E+00	2.00E+01	U
WG	W-2	428135002	7/13/2017	Co-57	1.21E+00	9.16E-01	3.02E+00	U
WG	W-2	428135002	7/13/2017	Co-58	6.18E-01	9.01E-01	3.13E+00	U
WG	W-2	428135002	7/13/2017	Co-60	-2.91E-01	9.53E-01	3.08E+00	U
WG	W-2	428135002	7/13/2017	Cr-51	-4.48E-01	8.78E+00	3.01E+01	U
WG	W-2	428135002	7/13/2017	Cs-134	5.98E+00	2.76E+00	4.45E+00	UI
WG	W-2	428135002	7/13/2017	Cs-137	-7.42E-01	9.72E-01	2.92E+00	U
WG	W-2	428135002	7/13/2017	Fe-59	-3.38E+00	2.43E+00	5.79E+00	U
WG	W-2	428135002	7/13/2017	H-3	3.53E+02	4.15E+02	1.30E+03	U
WG	W-2	428135002	7/13/2017	I-131	1.64E+00	3.18E+00	1.11E+01	U
WG	W-2	428135002	7/13/2017	K-40	-1.88E+01	1.42E+01	4.69E+01	U
WG	W-2	428135002	7/13/2017	La-140	9.22E-01	2.09E+00	7.40E+00	U
WG	W-2	428135002	7/13/2017	Mn-54	1.81E-02	1.09E+00	3.55E+00	U
WG	W-2	428135002	7/13/2017	Nb-95	-1.35E-01	9.16E-01	2.94E+00	U
WG	W-2	428135002	7/13/2017	Ru-103	9.55E-01	1.04E+00	3.66E+00	U
WG	W-2	428135002	7/13/2017	Ru-106	3.94E+00	8.11E+00	2.79E+01	U
WG	W-2	428135002	7/13/2017	Sb-124	1.61E+00	2.45E+00	8.81E+00	U
WG	W-2	428135002	7/13/2017	Sb-125	8.75E-01	2.62E+00	8.22E+00	U
WG	W-2	428135002	7/13/2017	Se-75	2.08E+00	1.44E+00	4.69E+00	U
WG	W-2	428135002	7/13/2017	Th-228	1.73E+00	3.12E+00	7.07E+00	U
WG	W-2	428135002	7/13/2017	Zn-65	-2.24E+00	2.19E+00	5.79E+00	U
WG	W-2	428135002	7/13/2017	Zr-95	-1.24E+00	1.97E+00	5.98E+00	U
WG	W-3	428135003	7/13/2017	Ac-228	2.63E-01	5.05E+00	1.76E+01	U
WG	W-3	428135003	7/13/2017	Ag-108m	3.87E-01	1.16E+00	3.88E+00	U
WG	W-3	428135003	7/13/2017	Ag-110m	2.31E-01	1.46E+00	4.72E+00	U
WG	W-3	428135003	7/13/2017	Ba-140	2.85E+00	7.54E+00	2.54E+01	U
WG	W-3	428135003	7/13/2017	Be-7	-4.35E+00	1.06E+01	2.93E+01	U
WG	W-3	428135003	7/13/2017	Ce-141	5.84E+00	3.37E+00	8.45E+00	U
WG	W-3	428135003	7/13/2017	Ce-144	-1.33E+01	9.97E+00	2.74E+01	U
WG	W-3	428135003	7/13/2017	Co-57	1.60E+00	1.25E+00	3.96E+00	U
WG	W-3	428135003	7/13/2017	Co-58	4.21E-01	1.19E+00	3.93E+00	U
WG	W-3	428135003	7/13/2017	Co-60	2.54E-01	1.05E+00	3.60E+00	U
WG	W-3	428135003	7/13/2017	Cr-51	6.14E+00	1.34E+01	4.57E+01	U
WG	W-3	428135003	7/13/2017	Cs-134	1.29E+00	1.42E+00	4.83E+00	U
WG	W-3	428135003	7/13/2017	Cs-137	1.44E+00	1.21E+00	4.19E+00	U
WG	W-3	428135003	7/13/2017	Fe-59	-3.91E-01	2.26E+00	7.43E+00	U
WG	W-3	428135003	7/13/2017	H-3	1.91E+02	4.06E+02	1.30E+03	U
WG	W-3	428135003	7/13/2017	I-131	4.69E+00	4.17E+00	1.43E+01	U
WG	W-3	428135003	7/13/2017	K-40	1.27E+01	1.71E+01	6.36E+01	U
WG	W-3	428135003	7/13/2017	La-140	-3.19E+00	2.41E+00	5.37E+00	U
WG	W-3	428135003	7/13/2017	Mn-54	6.97E-01	1.27E+00	4.20E+00	U
WG	W-3	428135003	7/13/2017	Nb-95	-5.05E-01	1.40E+00	4.23E+00	U
WG	W-3	428135003	7/13/2017	Ru-103	-8.72E-01	1.44E+00	4.46E+00	U
WG	W-3	428135003	7/13/2017	Ru-106	1.29E+01	9.50E+00	3.34E+01	U
WG	W-3	428135003	7/13/2017	Sb-124	-1.58E+00	2.65E+00	7.63E+00	U
WG	W-3	428135003	7/13/2017	Sb-125	-5.59E+00	3.59E+00	9.73E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	W-3	428135003	7/13/2017	Se-75	1.03E+00	1.57E+00	5.39E+00	U	
WG	W-3	428135003	7/13/2017	Th-228	1.94E+00	3.30E+00	8.14E+00	U	
WG	W-3	428135003	7/13/2017	Zn-65	-6.66E-01	2.32E+00	7.53E+00	U	
WG	W-3	428135003	7/13/2017	Zr-95	1.21E+00	2.37E+00	7.22E+00	U	
WG	W-9	428135005	7/13/2017	Ac-228	7.31E+00	7.75E+00	2.06E+01	U	
WG	W-9	428135005	7/13/2017	Ag-108m	7.08E-01	1.02E+00	3.52E+00	U	
WG	W-9	428135005	7/13/2017	Ag-110m	3.01E-01	1.77E+00	5.78E+00	U	
WG	W-9	428135005	7/13/2017	Ba-140	-1.08E+01	1.07E+01	3.12E+01	U	
WG	W-9	428135005	7/13/2017	Be-7	-7.19E+00	1.23E+01	3.61E+01	U	
WG	W-9	428135005	7/13/2017	Ce-141	-4.65E+00	3.58E+00	9.91E+00	U	
WG	W-9	428135005	7/13/2017	Ce-144	9.23E+00	9.07E+00	3.14E+01	U	
WG	W-9	428135005	7/13/2017	Co-57	6.13E-01	1.25E+00	4.34E+00	U	
WG	W-9	428135005	7/13/2017	Co-58	-6.84E-01	1.30E+00	3.87E+00	U	
WG	W-9	428135005	7/13/2017	Co-60	2.62E-01	1.14E+00	3.96E+00	U	
WG	W-9	428135005	7/13/2017	Cr-51	-6.63E+00	1.60E+01	5.22E+01	U	
WG	W-9	428135005	7/13/2017	Cs-134	-1.70E+00	1.68E+00	4.73E+00	U	
WG	W-9	428135005	7/13/2017	Cs-137	1.05E+00	1.16E+00	4.07E+00	U	
WG	W-9	428135005	7/13/2017	Fe-59	-2.55E+00	3.31E+00	9.26E+00	U	
WG	W-9	428135005	7/13/2017	H-3	-5.01E+01	3.94E+02	1.31E+03	U	
WG	W-9	428135005	7/13/2017	I-131	-2.41E+00	4.36E+00	1.39E+01	U	
WG	W-9	428135005	7/13/2017	K-40	-1.91E+01	1.95E+01	5.85E+01	U	
WG	W-9	428135005	7/13/2017	La-140	-4.04E+00	3.59E+00	9.61E+00	U	
WG	W-9	428135005	7/13/2017	Mn-54	1.24E+00	1.28E+00	4.45E+00	U	
WG	W-9	428135005	7/13/2017	Nb-95	5.39E+00	1.76E+00	4.42E+00	UI	
WG	W-9	428135005	7/13/2017	Ru-103	-8.02E-02	1.36E+00	4.45E+00	U	
WG	W-9	428135005	7/13/2017	Ru-106	2.27E+01	1.32E+01	2.77E+01	U	
WG	W-9	428135005	7/13/2017	Sb-124	-3.98E+00	3.45E+00	8.78E+00	U	
WG	W-9	428135005	7/13/2017	Sb-125	2.51E+00	3.06E+00	1.06E+01	U	
WG	W-9	428135005	7/13/2017	Se-75	-3.22E-01	1.79E+00	5.99E+00	U	
WG	W-9	428135005	7/13/2017	Th-228	-4.85E-01	3.24E+00	9.78E+00	U	
WG	W-9	428135005	7/13/2017	Zn-65	-2.03E+00	2.76E+00	7.67E+00	U	
WG	W-9	428135005	7/13/2017	Zr-95	-4.77E-01	2.65E+00	8.43E+00	U	
WG	SG-1	428135013	7/13/2017	Ac-228	-4.00E+00	5.99E+00	1.85E+01	U	
WG	SG-1	428135013	7/13/2017	Ag-108m	-7.51E-01	1.03E+00	3.21E+00	U	
WG	SG-1	428135013	7/13/2017	Ag-110m	-1.16E-01	1.30E+00	4.35E+00	U	
WG	SG-1	428135013	7/13/2017	ALPHA	-1.12E+00	2.34E+00	7.91E+00	U	DL
WG	SG-1	428135013	7/13/2017	Ba-140	-5.49E+00	8.56E+00	2.61E+01	U	
WG	SG-1	428135013	7/13/2017	Be-7	1.50E+01	1.15E+01	3.95E+01	U	
WG	SG-1	428135013	7/13/2017	BETA	7.95E+00	1.35E+00	3.11E+00		
WG	SG-1	428135013	7/13/2017	Ce-141	4.46E+00	3.88E+00	7.34E+00	U	
WG	SG-1	428135013	7/13/2017	Ce-144	1.23E+00	7.74E+00	2.51E+01	U	
WG	SG-1	428135013	7/13/2017	Co-57	-1.06E-01	1.06E+00	3.40E+00	U	
WG	SG-1	428135013	7/13/2017	Co-58	-4.48E-01	1.14E+00	3.74E+00	U	
WG	SG-1	428135013	7/13/2017	Co-60	8.20E-01	1.15E+00	3.70E+00	U	
WG	SG-1	428135013	7/13/2017	Cr-51	-1.29E+00	1.27E+01	4.26E+01	U	
WG	SG-1	428135013	7/13/2017	Cs-134	-3.93E-01	1.24E+00	3.79E+00	U	
WG	SG-1	428135013	7/13/2017	Cs-137	-8.28E-01	1.18E+00	3.47E+00	U	
WG	SG-1	428135013	7/13/2017	Fe-59	1.57E-01	2.41E+00	8.06E+00	U	
WG	SG-1	428135013	7/13/2017	H-3	9.54E+02	4.51E+02	1.30E+03	U	
WG	SG-1	428135013	7/13/2017	I-131	-2.16E+00	4.03E+00	1.30E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	SG-1	428135013	7/13/2017	K-40	-6.76E+00	1.72E+01	5.66E+01	U	
WG	SG-1	428135013	7/13/2017	La-140	1.12E+00	3.21E+00	1.08E+01	U	
WG	SG-1	428135013	7/13/2017	Mn-54	9.98E-01	1.13E+00	4.04E+00	U	
WG	SG-1	428135013	7/13/2017	Nb-95	1.47E+00	1.52E+00	5.10E+00	U	
WG	SG-1	428135013	7/13/2017	Ru-103	-1.57E+00	1.51E+00	4.45E+00	U	
WG	SG-1	428135013	7/13/2017	Ru-106	-9.17E+00	1.29E+01	3.36E+01	U	
WG	SG-1	428135013	7/13/2017	Sb-124	4.44E+00	3.88E+00	1.37E+01	U	
WG	SG-1	428135013	7/13/2017	Sb-125	2.62E+00	2.79E+00	9.69E+00	U	
WG	SG-1	428135013	7/13/2017	Se-75	3.48E-01	1.40E+00	4.86E+00	U	
WG	SG-1	428135013	7/13/2017	Th-228	3.75E+00	3.58E+00	6.87E+00	U	
WG	SG-1	428135013	7/13/2017	Zn-65	-1.88E+00	2.39E+00	7.13E+00	U	
WG	SG-1	428135013	7/13/2017	Zr-95	-7.46E-01	2.06E+00	6.25E+00	U	
WG	SG-2	428135014	7/13/2017	Ac-228	9.46E+00	5.34E+00	1.14E+01	U	
WG	SG-2	428135014	7/13/2017	Ag-108m	-1.05E+00	8.65E-01	2.50E+00	U	
WG	SG-2	428135014	7/13/2017	Ag-110m	4.71E-01	1.55E+00	5.04E+00	U	
WG	SG-2	428135014	7/13/2017	ALPHA	-3.65E-02	1.48E+00	4.86E+00	U	DL
WG	SG-2	428135014	7/13/2017	Ba-140	7.08E+00	7.48E+00	2.58E+01	U	
WG	SG-2	428135014	7/13/2017	Be-7	7.89E+00	8.94E+00	3.08E+01	U	
WG	SG-2	428135014	7/13/2017	BETA	5.26E+00	1.31E+00	3.80E+00		
WG	SG-2	428135014	7/13/2017	Ce-141	5.33E+00	3.03E+00	6.90E+00	U	
WG	SG-2	428135014	7/13/2017	Ce-144	7.66E-01	7.05E+00	2.25E+01	U	
WG	SG-2	428135014	7/13/2017	Co-57	7.45E-02	9.24E-01	2.96E+00	U	
WG	SG-2	428135014	7/13/2017	Co-58	-1.64E-01	1.18E+00	3.65E+00	U	
WG	SG-2	428135014	7/13/2017	Co-60	1.98E+00	1.29E+00	4.11E+00	U	
WG	SG-2	428135014	7/13/2017	Cr-51	1.43E+00	1.13E+01	3.85E+01	U	
WG	SG-2	428135014	7/13/2017	Cs-134	2.93E+00	1.74E+00	3.89E+00	U	
WG	SG-2	428135014	7/13/2017	Cs-137	7.91E-01	1.08E+00	3.66E+00	U	
WG	SG-2	428135014	7/13/2017	Fe-59	-1.14E+00	2.15E+00	6.73E+00	U	
WG	SG-2	428135014	7/13/2017	H-3	5.46E+01	3.90E+02	1.27E+03	U	
WG	SG-2	428135014	7/13/2017	I-131	-2.00E+00	3.27E+00	1.04E+01	U	
WG	SG-2	428135014	7/13/2017	K-40	3.76E+00	1.77E+01	5.97E+01	U	
WG	SG-2	428135014	7/13/2017	La-140	-2.67E+00	2.95E+00	6.59E+00	U	
WG	SG-2	428135014	7/13/2017	Mn-54	-1.21E+00	9.52E-01	2.41E+00	U	
WG	SG-2	428135014	7/13/2017	Nb-95	-2.86E-01	1.05E+00	3.25E+00	U	
WG	SG-2	428135014	7/13/2017	Ru-103	2.33E+00	1.34E+00	4.28E+00	U	
WG	SG-2	428135014	7/13/2017	Ru-106	2.19E+00	8.51E+00	2.82E+01	U	
WG	SG-2	428135014	7/13/2017	Sb-124	-1.76E+00	2.68E+00	7.74E+00	U	
WG	SG-2	428135014	7/13/2017	Sb-125	2.90E+00	2.87E+00	9.88E+00	U	
WG	SG-2	428135014	7/13/2017	Se-75	-6.12E-01	1.19E+00	3.90E+00	U	
WG	SG-2	428135014	7/13/2017	Th-228	-6.47E-01	2.09E+00	6.78E+00	U	
WG	SG-2	428135014	7/13/2017	Zn-65	-3.09E+00	2.17E+00	5.69E+00	U	
WG	SG-2	428135014	7/13/2017	Zr-95	6.68E+00	2.79E+00	6.71E+00	U	
WG	SG-4	428135015	7/13/2017	Ac-228	-5.44E+00	4.70E+00	1.46E+01	U	
WG	SG-4	428135015	7/13/2017	Ag-108m	-2.77E-02	9.35E-01	2.76E+00	U	
WG	SG-4	428135015	7/13/2017	Ag-110m	-1.67E+00	1.43E+00	4.13E+00	U	
WG	SG-4	428135015	7/13/2017	ALPHA	-9.11E-01	1.83E+00	5.91E+00	U	DL
WG	SG-4	428135015	7/13/2017	Ba-140	4.41E+00	7.89E+00	2.66E+01	U	
WG	SG-4	428135015	7/13/2017	Be-7	6.60E+00	1.06E+01	3.59E+01	U	
WG	SG-4	428135015	7/13/2017	BETA	5.12E+00	1.23E+00	3.52E+00		
WG	SG-4	428135015	7/13/2017	Ce-141	6.48E-01	2.40E+00	6.97E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)		FLAGS
WG	SG-4	428135015	7/13/2017	Ce-144	2.11E+00	7.16E+00	2.32E+01	U	
WG	SG-4	428135015	7/13/2017	Co-57	-6.56E-01	8.89E-01	2.72E+00	U	
WG	SG-4	428135015	7/13/2017	Co-58	-5.46E-01	1.15E+00	3.74E+00	U	
WG	SG-4	428135015	7/13/2017	Co-60	-1.28E+00	1.29E+00	3.65E+00	U	
WG	SG-4	428135015	7/13/2017	Cr-51	1.48E+00	1.04E+01	3.54E+01	U	
WG	SG-4	428135015	7/13/2017	Cs-134	-1.35E+00	1.20E+00	3.50E+00	U	
WG	SG-4	428135015	7/13/2017	Cs-137	1.16E+00	1.30E+00	3.32E+00	U	
WG	SG-4	428135015	7/13/2017	Fe-59	-3.07E+00	2.58E+00	7.25E+00	U	
WG	SG-4	428135015	7/13/2017	H-3	3.12E+02	4.13E+02	1.30E+03	U	
WG	SG-4	428135015	7/13/2017	I-131	-5.34E+00	3.58E+00	1.01E+01	U	
WG	SG-4	428135015	7/13/2017	K-40	2.31E+01	2.09E+01	3.20E+01	U	
WG	SG-4	428135015	7/13/2017	La-140	-1.69E+00	3.33E+00	1.00E+01	U	
WG	SG-4	428135015	7/13/2017	Mn-54	8.12E-01	1.07E+00	3.77E+00	U	
WG	SG-4	428135015	7/13/2017	Nb-95	-3.36E-01	1.12E+00	3.36E+00	U	
WG	SG-4	428135015	7/13/2017	Ru-103	4.95E-02	1.40E+00	4.58E+00	U	
WG	SG-4	428135015	7/13/2017	Ru-106	1.11E+01	1.01E+01	3.41E+01	U	
WG	SG-4	428135015	7/13/2017	Sb-124	5.64E-01	2.97E+00	1.02E+01	U	
WG	SG-4	428135015	7/13/2017	Sb-125	7.13E+00	3.39E+00	9.27E+00	U	
WG	SG-4	428135015	7/13/2017	Se-75	1.31E+00	1.34E+00	4.67E+00	U	
WG	SG-4	428135015	7/13/2017	Th-228	2.88E+00	3.47E+00	7.26E+00	U	
WG	SG-4	428135015	7/13/2017	Zn-65	-2.77E+00	2.11E+00	5.64E+00	U	
WG	SG-4	428135015	7/13/2017	Zr-95	1.68E+00	2.05E+00	6.87E+00	U	
WG	SG-5	428135016	7/13/2017	Ac-228	3.18E+00	5.40E+00	1.69E+01	U	
WG	SG-5	428135016	7/13/2017	Ag-108m	-5.55E-01	9.28E-01	2.95E+00	U	
WG	SG-5	428135016	7/13/2017	Ag-110m	-6.52E-01	1.05E+00	2.75E+00	U	
WG	SG-5	428135016	7/13/2017	ALPHA	1.13E+00	1.37E+00	4.20E+00	U	DL
WG	SG-5	428135016	7/13/2017	Ba-140	-1.38E+00	7.48E+00	2.43E+01	U	
WG	SG-5	428135016	7/13/2017	Be-7	-1.94E+00	8.87E+00	2.57E+01	U	
WG	SG-5	428135016	7/13/2017	BETA	3.17E+00	7.78E-01	2.14E+00	M	
WG	SG-5	428135016	7/13/2017	Ce-141	3.08E+00	3.00E+00	6.13E+00	U	
WG	SG-5	428135016	7/13/2017	Ce-144	7.16E+00	7.73E+00	2.37E+01	U	
WG	SG-5	428135016	7/13/2017	Co-57	6.94E-01	9.32E-01	3.07E+00	U	
WG	SG-5	428135016	7/13/2017	Co-58	-4.03E-01	1.31E+00	3.55E+00	U	
WG	SG-5	428135016	7/13/2017	Co-60	-9.54E-02	1.12E+00	3.67E+00	U	
WG	SG-5	428135016	7/13/2017	Cr-51	1.34E+01	1.16E+01	4.03E+01	U	
WG	SG-5	428135016	7/13/2017	Cs-134	5.85E-03	1.02E+00	3.28E+00	U	
WG	SG-5	428135016	7/13/2017	Cs-137	5.11E-01	9.84E-01	3.34E+00	U	
WG	SG-5	428135016	7/13/2017	Fe-59	3.08E-01	2.21E+00	7.53E+00	U	
WG	SG-5	428135016	7/13/2017	H-3	2.30E+02	3.88E+02	1.24E+03	U	
WG	SG-5	428135016	7/13/2017	I-131	3.27E-01	4.08E+00	1.27E+01	U	
WG	SG-5	428135016	7/13/2017	K-40	1.10E+01	1.51E+01	5.26E+01	U	
WG	SG-5	428135016	7/13/2017	La-140	1.76E+00	2.40E+00	8.59E+00	U	
WG	SG-5	428135016	7/13/2017	Mn-54	-2.87E-01	1.16E+00	3.62E+00	U	
WG	SG-5	428135016	7/13/2017	Nb-95	-1.65E+00	1.41E+00	3.80E+00	U	
WG	SG-5	428135016	7/13/2017	Ru-103	6.32E-01	1.32E+00	4.48E+00	U	
WG	SG-5	428135016	7/13/2017	Ru-106	-2.73E+01	1.36E+01	2.53E+01	U	
WG	SG-5	428135016	7/13/2017	Sb-124	-2.60E+00	2.51E+00	6.33E+00	U	
WG	SG-5	428135016	7/13/2017	Sb-125	2.08E+00	3.08E+00	1.06E+01	U	
WG	SG-5	428135016	7/13/2017	Se-75	-4.64E-01	1.53E+00	5.18E+00	U	
WG	SG-5	428135016	7/13/2017	Th-228	2.58E+00	3.04E+00	7.35E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-5	428135016	7/13/2017	Zn-65	-2.14E-02	2.23E+00	7.48E+00	U
WG	SG-5	428135016	7/13/2017	Zr-95	3.49E+00	2.33E+00	7.99E+00	U
WG	W-1	428135001	7/14/2017	Ac-228	1.64E+00	5.14E+00	1.71E+01	U
WG	W-1	428135001	7/14/2017	Ag-108m	-4.02E-02	1.07E+00	3.16E+00	U
WG	W-1	428135001	7/14/2017	Ag-110m	1.27E+00	1.31E+00	4.74E+00	U
WG	W-1	428135001	7/14/2017	Ba-140	1.52E-01	7.33E+00	2.40E+01	U
WG	W-1	428135001	7/14/2017	Be-7	-1.45E+01	1.13E+01	3.17E+01	U
WG	W-1	428135001	7/14/2017	Ce-141	1.87E+00	3.76E+00	7.37E+00	U
WG	W-1	428135001	7/14/2017	Ce-144	1.02E+01	9.97E+00	2.42E+01	U
WG	W-1	428135001	7/14/2017	Co-57	5.64E-01	1.13E+00	3.45E+00	U
WG	W-1	428135001	7/14/2017	Co-58	-3.22E-01	1.03E+00	3.37E+00	U
WG	W-1	428135001	7/14/2017	Co-60	-8.45E-01	1.22E+00	3.58E+00	U
WG	W-1	428135001	7/14/2017	Cr-51	-2.47E+00	1.17E+01	3.90E+01	U
WG	W-1	428135001	7/14/2017	Cs-134	1.82E+00	1.30E+00	4.48E+00	U
WG	W-1	428135001	7/14/2017	Cs-137	-1.24E+00	1.20E+00	3.34E+00	U
WG	W-1	428135001	7/14/2017	Fe-59	2.36E+00	2.77E+00	9.75E+00	U
WG	W-1	428135001	7/14/2017	H-3	4.67E+02	4.19E+02	1.29E+03	U
WG	W-1	428135001	7/14/2017	I-131	-6.04E+00	3.54E+00	9.49E+00	U
WG	W-1	428135001	7/14/2017	K-40	-2.60E+01	1.71E+01	4.69E+01	U
WG	W-1	428135001	7/14/2017	La-140	-3.40E+00	2.58E+00	5.86E+00	U
WG	W-1	428135001	7/14/2017	Mn-54	-1.16E-01	7.47E-01	2.49E+00	U
WG	W-1	428135001	7/14/2017	Nb-95	1.25E+00	1.16E+00	3.99E+00	U
WG	W-1	428135001	7/14/2017	Ru-103	-1.48E+00	1.49E+00	4.41E+00	U
WG	W-1	428135001	7/14/2017	Ru-106	-8.50E+00	1.29E+01	3.39E+01	U
WG	W-1	428135001	7/14/2017	Sb-124	-1.06E+00	3.54E+00	1.08E+01	U
WG	W-1	428135001	7/14/2017	Sb-125	3.39E+00	3.35E+00	1.06E+01	U
WG	W-1	428135001	7/14/2017	Se-75	-1.89E+00	1.60E+00	4.95E+00	U
WG	W-1	428135001	7/14/2017	Th-228	-1.01E+00	2.19E+00	7.19E+00	U
WG	W-1	428135001	7/14/2017	Zn-65	-5.61E-01	2.28E+00	7.36E+00	U
WG	W-1	428135001	7/14/2017	Zr-95	1.10E+00	2.31E+00	7.64E+00	U
WG	W-7	428135004	7/14/2017	Ac-228	1.16E+00	6.34E+00	1.98E+01	U
WG	W-7	428135004	7/14/2017	Ag-108m	7.45E-01	1.23E+00	4.20E+00	U
WG	W-7	428135004	7/14/2017	Ag-110m	9.77E-02	1.68E+00	5.67E+00	U
WG	W-7	428135004	7/14/2017	Ba-140	-4.60E+00	1.21E+01	3.24E+01	U
WG	W-7	428135004	7/14/2017	Be-7	3.72E+00	1.26E+01	4.26E+01	U
WG	W-7	428135004	7/14/2017	Ce-141	2.16E+00	2.26E+00	7.56E+00	U
WG	W-7	428135004	7/14/2017	Ce-144	7.31E+00	7.43E+00	2.50E+01	U
WG	W-7	428135004	7/14/2017	Co-57	8.61E-02	8.50E-01	2.86E+00	U
WG	W-7	428135004	7/14/2017	Co-58	5.69E-01	1.37E+00	4.79E+00	U
WG	W-7	428135004	7/14/2017	Co-60	3.07E+00	1.56E+00	5.61E+00	U
WG	W-7	428135004	7/14/2017	Cr-51	-3.33E+00	1.37E+01	4.65E+01	U
WG	W-7	428135004	7/14/2017	Cs-134	-5.87E-01	1.44E+00	4.69E+00	U
WG	W-7	428135004	7/14/2017	Cs-137	-8.40E-01	1.41E+00	3.68E+00	U
WG	W-7	428135004	7/14/2017	Fe-59	-1.19E+00	3.12E+00	9.85E+00	U
WG	W-7	428135004	7/14/2017	H-3	8.60E+02	4.51E+02	1.32E+03	U
WG	W-7	428135004	7/14/2017	I-131	3.75E+00	4.16E+00	1.45E+01	U
WG	W-7	428135004	7/14/2017	K-40	-3.14E+01	1.86E+01	5.97E+01	U
WG	W-7	428135004	7/14/2017	La-140	-4.50E+00	3.16E+00	7.78E+00	U
WG	W-7	428135004	7/14/2017	Mn-54	5.55E-01	1.20E+00	4.18E+00	U
WG	W-7	428135004	7/14/2017	Nb-95	4.88E-01	1.46E+00	4.30E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-7	428135004	7/14/2017	Ru-103	-4.38E-01	1.63E+00	5.29E+00	U
WG	W-7	428135004	7/14/2017	Ru-106	9.16E+00	1.32E+01	4.45E+01	U
WG	W-7	428135004	7/14/2017	Sb-124	6.13E-01	3.36E+00	1.15E+01	U
WG	W-7	428135004	7/14/2017	Sb-125	-3.97E-01	3.76E+00	1.25E+01	U
WG	W-7	428135004	7/14/2017	Se-75	-5.31E-01	1.78E+00	5.48E+00	U
WG	W-7	428135004	7/14/2017	Th-228	8.13E+00	5.42E+00	8.27E+00	U
WG	W-7	428135004	7/14/2017	Zn-65	-1.41E+00	2.83E+00	8.76E+00	U
WG	W-7	428135004	7/14/2017	Zr-95	1.66E+00	2.20E+00	7.48E+00	U
WG	W-10	428135006	7/14/2017	Ac-228	-1.96E+00	5.90E+00	1.78E+01	U
WG	W-10	428135006	7/14/2017	Ag-108m	2.38E-02	1.10E+00	3.62E+00	U
WG	W-10	428135006	7/14/2017	Ag-110m	4.80E-01	1.41E+00	4.90E+00	U
WG	W-10	428135006	7/14/2017	Ba-140	-1.81E+00	7.96E+00	2.51E+01	U
WG	W-10	428135006	7/14/2017	Be-7	-1.38E+01	1.16E+01	3.25E+01	U
WG	W-10	428135006	7/14/2017	Ce-141	-3.42E+00	2.79E+00	7.79E+00	U
WG	W-10	428135006	7/14/2017	Ce-144	-7.63E+00	9.01E+00	2.65E+01	U
WG	W-10	428135006	7/14/2017	Co-57	8.80E-01	1.19E+00	3.82E+00	U
WG	W-10	428135006	7/14/2017	Co-58	-7.09E-01	1.24E+00	3.85E+00	U
WG	W-10	428135006	7/14/2017	Co-60	4.90E-01	1.06E+00	3.69E+00	U
WG	W-10	428135006	7/14/2017	Cr-51	5.82E+00	1.25E+01	4.27E+01	U
WG	W-10	428135006	7/14/2017	Cs-134	1.93E+00	1.35E+00	4.84E+00	U
WG	W-10	428135006	7/14/2017	Cs-137	-5.96E-01	1.54E+00	4.02E+00	U
WG	W-10	428135006	7/14/2017	Fe-59	-2.33E+00	2.69E+00	7.75E+00	U
WG	W-10	428135006	7/14/2017	H-3	2.36E+02	4.10E+02	1.31E+03	U
WG	W-10	428135006	7/14/2017	I-131	3.13E+00	3.69E+00	1.27E+01	U
WG	W-10	428135006	7/14/2017	K-40	-8.60E+00	1.83E+01	5.58E+01	U
WG	W-10	428135006	7/14/2017	La-140	-7.53E-01	2.76E+00	8.40E+00	U
WG	W-10	428135006	7/14/2017	Mn-54	1.94E+00	1.02E+00	3.62E+00	U
WG	W-10	428135006	7/14/2017	Nb-95	3.20E-01	1.55E+00	4.89E+00	U
WG	W-10	428135006	7/14/2017	Ru-103	2.65E+00	2.28E+00	5.99E+00	U
WG	W-10	428135006	7/14/2017	Ru-106	2.34E+00	1.12E+01	3.64E+01	U
WG	W-10	428135006	7/14/2017	Sb-124	-1.98E+00	3.52E+00	1.09E+01	U
WG	W-10	428135006	7/14/2017	Sb-125	3.76E+00	3.25E+00	1.11E+01	U
WG	W-10	428135006	7/14/2017	Se-75	-1.07E+00	1.75E+00	5.65E+00	U
WG	W-10	428135006	7/14/2017	Th-228	8.57E+00	3.46E+00	1.03E+01	U
WG	W-10	428135006	7/14/2017	Zn-65	1.79E-01	3.18E+00	9.28E+00	U
WG	W-10	428135006	7/14/2017	Zr-95	4.92E-01	2.37E+00	7.27E+00	U
WG	W-11	428135007	7/14/2017	Ac-228	3.98E+00	6.56E+00	2.25E+01	U
WG	W-11	428135007	7/14/2017	Ag-108m	-1.45E+00	1.08E+00	3.04E+00	U
WG	W-11	428135007	7/14/2017	Ag-110m	-1.10E-02	1.69E+00	5.73E+00	U
WG	W-11	428135007	7/14/2017	Ba-140	1.28E+01	9.18E+00	3.21E+01	U
WG	W-11	428135007	7/14/2017	Be-7	1.63E+01	1.01E+01	3.59E+01	U
WG	W-11	428135007	7/14/2017	Ce-141	5.80E+00	2.64E+00	6.04E+00	U
WG	W-11	428135007	7/14/2017	Ce-144	-9.31E+00	8.15E+00	2.42E+01	U
WG	W-11	428135007	7/14/2017	Co-57	-3.84E-01	1.05E+00	3.39E+00	U
WG	W-11	428135007	7/14/2017	Co-58	-1.16E-01	1.03E+00	3.23E+00	U
WG	W-11	428135007	7/14/2017	Co-60	-1.78E+00	1.29E+00	2.99E+00	U
WG	W-11	428135007	7/14/2017	Cr-51	-1.96E+01	1.30E+01	3.72E+01	U
WG	W-11	428135007	7/14/2017	Cs-134	-1.03E+00	1.12E+00	2.98E+00	U
WG	W-11	428135007	7/14/2017	Cs-137	-5.70E-01	1.32E+00	4.08E+00	U
WG	W-11	428135007	7/14/2017	Fe-59	-4.19E+00	2.86E+00	7.12E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-11	428135007	7/14/2017	H-3	2.42E+02	4.13E+02	1.32E+03	U
WG	W-11	428135007	7/14/2017	I-131	-8.32E-01	3.44E+00	1.14E+01	U
WG	W-11	428135007	7/14/2017	K-40	3.88E+00	1.58E+01	5.31E+01	U
WG	W-11	428135007	7/14/2017	La-140	-1.55E+00	3.19E+00	9.41E+00	U
WG	W-11	428135007	7/14/2017	Mn-54	5.11E-01	1.30E+00	4.30E+00	U
WG	W-11	428135007	7/14/2017	Nb-95	-4.57E-01	1.37E+00	3.70E+00	U
WG	W-11	428135007	7/14/2017	Ru-103	-1.65E+00	1.56E+00	4.61E+00	U
WG	W-11	428135007	7/14/2017	Ru-106	1.84E+01	1.07E+01	3.78E+01	U
WG	W-11	428135007	7/14/2017	Sb-124	3.33E-01	3.25E+00	1.06E+01	U
WG	W-11	428135007	7/14/2017	Sb-125	-1.01E+00	3.23E+00	1.06E+01	U
WG	W-11	428135007	7/14/2017	Se-75	-3.48E-02	1.86E+00	5.82E+00	U
WG	W-11	428135007	7/14/2017	Th-228	7.06E+00	4.24E+00	1.00E+01	U
WG	W-11	428135007	7/14/2017	Zn-65	9.75E-01	2.11E+00	7.44E+00	U
WG	W-11	428135007	7/14/2017	Zr-95	1.22E+00	2.11E+00	7.20E+00	U
WG	W-12	428135008	7/14/2017	Ac-228	1.48E+01	7.97E+00	1.72E+01	U
WG	W-12	428135008	7/14/2017	Ag-108m	7.69E-01	9.65E-01	3.33E+00	U
WG	W-12	428135008	7/14/2017	Ag-110m	-5.58E-01	1.81E+00	5.95E+00	U
WG	W-12	428135008	7/14/2017	Ba-140	1.01E+01	8.80E+00	3.03E+01	U
WG	W-12	428135008	7/14/2017	Be-7	1.47E+01	1.02E+01	3.55E+01	U
WG	W-12	428135008	7/14/2017	Ce-141	-4.96E+00	2.73E+00	6.50E+00	U
WG	W-12	428135008	7/14/2017	Ce-144	2.22E+00	7.34E+00	2.37E+01	U
WG	W-12	428135008	7/14/2017	Co-57	-6.55E-01	9.55E-01	2.91E+00	U
WG	W-12	428135008	7/14/2017	Co-58	-1.90E-01	9.26E-01	3.07E+00	U
WG	W-12	428135008	7/14/2017	Co-60	2.53E+00	1.73E+00	4.83E+00	U
WG	W-12	428135008	7/14/2017	Cr-51	1.30E+01	1.14E+01	3.96E+01	U
WG	W-12	428135008	7/14/2017	Cs-134	3.90E+00	1.52E+00	4.75E+00	U
WG	W-12	428135008	7/14/2017	Cs-137	1.03E+00	1.35E+00	4.54E+00	U
WG	W-12	428135008	7/14/2017	Fe-59	-3.70E+00	2.53E+00	6.28E+00	U
WG	W-12	428135008	7/14/2017	H-3	6.22E+01	3.95E+02	1.29E+03	U
WG	W-12	428135008	7/14/2017	I-131	4.07E+00	3.89E+00	1.24E+01	U
WG	W-12	428135008	7/14/2017	K-40	-1.14E+01	1.64E+01	5.38E+01	U
WG	W-12	428135008	7/14/2017	La-140	3.16E-01	3.00E+00	9.79E+00	U
WG	W-12	428135008	7/14/2017	Mn-54	-2.81E-01	1.06E+00	3.50E+00	U
WG	W-12	428135008	7/14/2017	Nb-95	-4.74E-01	1.27E+00	3.83E+00	U
WG	W-12	428135008	7/14/2017	Ru-103	3.18E+00	1.84E+00	4.03E+00	U
WG	W-12	428135008	7/14/2017	Ru-106	6.12E+00	1.25E+01	4.16E+01	U
WG	W-12	428135008	7/14/2017	Sb-124	-3.37E-01	2.39E+00	7.39E+00	U
WG	W-12	428135008	7/14/2017	Sb-125	-4.30E-01	2.41E+00	7.83E+00	U
WG	W-12	428135008	7/14/2017	Se-75	2.92E+00	1.58E+00	5.35E+00	U
WG	W-12	428135008	7/14/2017	Th-228	6.90E+00	4.55E+00	8.29E+00	U
WG	W-12	428135008	7/14/2017	Zn-65	-2.72E+00	1.89E+00	4.36E+00	U
WG	W-12	428135008	7/14/2017	Zr-95	1.61E+00	1.91E+00	6.59E+00	U
WG	W-13	428135009	7/14/2017	Ac-228	3.74E-01	5.18E+00	1.86E+01	U
WG	W-13	428135009	7/14/2017	Ag-108m	5.22E-02	1.10E+00	3.61E+00	U
WG	W-13	428135009	7/14/2017	Ag-110m	-9.53E-01	1.55E+00	4.74E+00	U
WG	W-13	428135009	7/14/2017	Ba-140	-6.64E-01	8.88E+00	2.83E+01	U
WG	W-13	428135009	7/14/2017	Be-7	7.60E+00	1.19E+01	4.02E+01	U
WG	W-13	428135009	7/14/2017	Ce-141	-6.30E+00	3.21E+00	7.76E+00	U
WG	W-13	428135009	7/14/2017	Ce-144	8.83E+00	9.45E+00	3.04E+01	U
WG	W-13	428135009	7/14/2017	Co-57	-8.02E-01	1.21E+00	3.65E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-13	428135009	7/14/2017	Co-58	-1.10E+00	1.33E+00	3.99E+00	U
WG	W-13	428135009	7/14/2017	Co-60	-1.03E+00	1.31E+00	3.60E+00	U
WG	W-13	428135009	7/14/2017	Cr-51	-5.08E+00	1.37E+01	4.43E+01	U
WG	W-13	428135009	7/14/2017	Cs-134	2.30E+00	1.60E+00	5.66E+00	U
WG	W-13	428135009	7/14/2017	Cs-137	-5.25E-01	1.09E+00	3.50E+00	U
WG	W-13	428135009	7/14/2017	Fe-59	1.18E+00	2.34E+00	8.14E+00	U
WG	W-13	428135009	7/14/2017	H-3	-4.59E+01	3.97E+02	1.32E+03	U
WG	W-13	428135009	7/14/2017	I-131	-2.69E+00	4.20E+00	1.31E+01	U
WG	W-13	428135009	7/14/2017	K-40	1.29E+00	1.68E+01	6.25E+01	U
WG	W-13	428135009	7/14/2017	La-140	-2.79E+00	2.27E+00	5.19E+00	U
WG	W-13	428135009	7/14/2017	Mn-54	2.13E+00	1.38E+00	4.92E+00	U
WG	W-13	428135009	7/14/2017	Nb-95	2.07E+00	1.61E+00	5.69E+00	U
WG	W-13	428135009	7/14/2017	Ru-103	6.71E-01	1.56E+00	5.18E+00	U
WG	W-13	428135009	7/14/2017	Ru-106	1.36E+00	1.30E+01	4.16E+01	U
WG	W-13	428135009	7/14/2017	Sb-124	-4.05E+00	4.01E+00	1.12E+01	U
WG	W-13	428135009	7/14/2017	Sb-125	1.69E+00	3.15E+00	1.07E+01	U
WG	W-13	428135009	7/14/2017	Se-75	-3.26E-01	1.74E+00	5.19E+00	U
WG	W-13	428135009	7/14/2017	Th-228	1.04E+01	6.35E+00	1.11E+01	U
WG	W-13	428135009	7/14/2017	Zn-65	-4.53E+00	3.15E+00	7.89E+00	U
WG	W-13	428135009	7/14/2017	Zr-95	-2.60E-01	2.50E+00	8.34E+00	U
WG	W-14	428135010	7/14/2017	Ac-228	2.48E+00	4.90E+00	1.65E+01	U
WG	W-14	428135010	7/14/2017	Ag-108m	1.84E-01	8.87E-01	3.02E+00	U
WG	W-14	428135010	7/14/2017	Ag-110m	1.77E+00	1.52E+00	4.93E+00	U
WG	W-14	428135010	7/14/2017	Ba-140	3.58E+01	2.83E+01	3.03E+01	UI
WG	W-14	428135010	7/14/2017	Be-7	2.92E+01	1.62E+01	2.72E+01	UI
WG	W-14	428135010	7/14/2017	Ce-141	-4.03E+00	2.28E+00	6.05E+00	U
WG	W-14	428135010	7/14/2017	Ce-144	2.13E+00	7.14E+00	2.34E+01	U
WG	W-14	428135010	7/14/2017	Co-57	1.53E+00	1.04E+00	3.39E+00	U
WG	W-14	428135010	7/14/2017	Co-58	1.89E+00	1.20E+00	4.21E+00	U
WG	W-14	428135010	7/14/2017	Co-60	2.44E+00	1.14E+00	4.24E+00	U
WG	W-14	428135010	7/14/2017	Cr-51	-8.48E+00	1.38E+01	4.01E+01	U
WG	W-14	428135010	7/14/2017	Cs-134	1.72E+00	2.07E+00	4.49E+00	U
WG	W-14	428135010	7/14/2017	Cs-137	3.82E+00	2.28E+00	3.67E+00	UI
WG	W-14	428135010	7/14/2017	Fe-59	-3.36E+00	2.06E+00	4.76E+00	U
WG	W-14	428135010	7/14/2017	H-3	-5.16E-01	4.01E+02	1.32E+03	U
WG	W-14	428135010	7/14/2017	I-131	1.01E+01	3.58E+00	1.09E+01	U
WG	W-14	428135010	7/14/2017	K-40	-1.62E+01	1.28E+01	3.88E+01	U
WG	W-14	428135010	7/14/2017	La-140	-8.45E-02	1.78E+00	5.74E+00	U
WG	W-14	428135010	7/14/2017	Mn-54	-2.80E-01	9.19E-01	2.82E+00	U
WG	W-14	428135010	7/14/2017	Nb-95	-2.19E+00	1.43E+00	3.64E+00	U
WG	W-14	428135010	7/14/2017	Ru-103	1.80E+00	1.32E+00	4.28E+00	U
WG	W-14	428135010	7/14/2017	Ru-106	-9.16E+00	1.03E+01	3.03E+01	U
WG	W-14	428135010	7/14/2017	Sb-124	3.03E+00	2.43E+00	9.22E+00	U
WG	W-14	428135010	7/14/2017	Sb-125	-1.06E+00	2.86E+00	9.30E+00	U
WG	W-14	428135010	7/14/2017	Se-75	4.05E-01	1.49E+00	4.71E+00	U
WG	W-14	428135010	7/14/2017	Th-228	2.19E+00	3.45E+00	8.12E+00	U
WG	W-14	428135010	7/14/2017	Zn-65	2.19E+00	2.43E+00	7.97E+00	U
WG	W-14	428135010	7/14/2017	Zr-95	1.15E+00	2.03E+00	6.86E+00	U
WG	MW-20	428135011	7/14/2017	Ac-228	-5.94E+00	5.90E+00	1.68E+01	U
WG	MW-20	428135011	7/14/2017	Ag-108m	-7.15E-01	1.03E+00	3.11E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-20	428135011	7/14/2017	Ag-110m	9.07E-01	1.71E+00	6.01E+00	U
WG	MW-20	428135011	7/14/2017	Ba-140	1.02E+01	9.00E+00	3.08E+01	U
WG	MW-20	428135011	7/14/2017	Be-7	-1.06E+01	1.32E+01	3.40E+01	U
WG	MW-20	428135011	7/14/2017	Ce-141	-3.20E+00	3.20E+00	8.85E+00	U
WG	MW-20	428135011	7/14/2017	Ce-144	-5.61E+00	8.57E+00	2.78E+01	U
WG	MW-20	428135011	7/14/2017	Co-57	2.34E+00	1.26E+00	4.14E+00	U
WG	MW-20	428135011	7/14/2017	Co-58	3.47E-01	9.61E-01	3.39E+00	U
WG	MW-20	428135011	7/14/2017	Co-60	-1.28E+00	1.45E+00	4.24E+00	U
WG	MW-20	428135011	7/14/2017	Cr-51	-1.42E+01	1.41E+01	4.22E+01	U
WG	MW-20	428135011	7/14/2017	Cs-134	-3.81E-01	1.18E+00	3.89E+00	U
WG	MW-20	428135011	7/14/2017	Cs-137	1.35E+00	1.30E+00	4.45E+00	U
WG	MW-20	428135011	7/14/2017	Fe-59	-2.05E+00	3.03E+00	9.35E+00	U
WG	MW-20	428135011	7/14/2017	H-3	5.59E+02	4.29E+02	1.31E+03	U
WG	MW-20	428135011	7/14/2017	I-131	3.66E+00	4.00E+00	1.36E+01	U
WG	MW-20	428135011	7/14/2017	K-40	-2.76E+01	1.65E+01	4.44E+01	U
WG	MW-20	428135011	7/14/2017	La-140	3.40E+00	2.93E+00	1.07E+01	U
WG	MW-20	428135011	7/14/2017	Mn-54	-6.86E-01	1.30E+00	4.21E+00	U
WG	MW-20	428135011	7/14/2017	Nb-95	3.36E+00	1.46E+00	4.23E+00	U
WG	MW-20	428135011	7/14/2017	Ru-103	-8.03E-01	1.65E+00	5.10E+00	U
WG	MW-20	428135011	7/14/2017	Ru-106	-1.45E+01	1.29E+01	3.57E+01	U
WG	MW-20	428135011	7/14/2017	Sb-124	-2.23E+00	3.78E+00	1.13E+01	U
WG	MW-20	428135011	7/14/2017	Sb-125	-2.17E+00	3.48E+00	1.07E+01	U
WG	MW-20	428135011	7/14/2017	Se-75	1.71E+00	1.66E+00	5.63E+00	U
WG	MW-20	428135011	7/14/2017	Th-228	-3.99E-02	2.88E+00	8.86E+00	U
WG	MW-20	428135011	7/14/2017	Zn-65	3.13E+00	2.41E+00	8.27E+00	U
WG	MW-20	428135011	7/14/2017	Zr-95	6.85E-01	2.29E+00	7.48E+00	U
WG	MW-21	428135012	7/14/2017	Ac-228	9.78E+00	7.77E+00	1.92E+01	U
WG	MW-21	428135012	7/14/2017	Ag-108m	-4.12E-01	9.50E-01	3.07E+00	U
WG	MW-21	428135012	7/14/2017	Ag-110m	-5.45E-01	1.36E+00	4.07E+00	U
WG	MW-21	428135012	7/14/2017	Ba-140	-6.47E+00	8.61E+00	2.48E+01	U
WG	MW-21	428135012	7/14/2017	Be-7	-1.53E+01	1.03E+01	2.76E+01	U
WG	MW-21	428135012	7/14/2017	Ce-141	-2.70E+00	2.40E+00	6.39E+00	U
WG	MW-21	428135012	7/14/2017	Ce-144	-1.08E+01	8.36E+00	2.17E+01	U
WG	MW-21	428135012	7/14/2017	Co-57	1.63E+00	9.23E-01	3.02E+00	U
WG	MW-21	428135012	7/14/2017	Co-58	-4.77E-02	1.28E+00	4.10E+00	U
WG	MW-21	428135012	7/14/2017	Co-60	-8.93E-01	1.24E+00	3.68E+00	U
WG	MW-21	428135012	7/14/2017	Cr-51	1.03E+01	1.19E+01	4.16E+01	U
WG	MW-21	428135012	7/14/2017	Cs-134	1.95E-01	1.32E+00	4.30E+00	U
WG	MW-21	428135012	7/14/2017	Cs-137	-3.41E-01	1.23E+00	3.89E+00	U
WG	MW-21	428135012	7/14/2017	Fe-59	1.20E+00	2.56E+00	9.00E+00	U
WG	MW-21	428135012	7/14/2017	H-3	-1.27E+02	3.92E+02	1.31E+03	U
WG	MW-21	428135012	7/14/2017	I-131	-5.91E-01	4.04E+00	1.14E+01	U
WG	MW-21	428135012	7/14/2017	K-40	-8.80E+00	1.61E+01	5.38E+01	U
WG	MW-21	428135012	7/14/2017	La-140	-4.07E+00	2.58E+00	5.16E+00	U
WG	MW-21	428135012	7/14/2017	Mn-54	-1.45E+00	1.09E+00	2.72E+00	U
WG	MW-21	428135012	7/14/2017	Nb-95	1.15E+00	1.22E+00	4.21E+00	U
WG	MW-21	428135012	7/14/2017	Ru-103	9.59E-01	1.34E+00	4.26E+00	U
WG	MW-21	428135012	7/14/2017	Ru-106	-1.16E+01	1.01E+01	2.80E+01	U
WG	MW-21	428135012	7/14/2017	Sb-124	4.49E+00	3.73E+00	1.34E+01	U
WG	MW-21	428135012	7/14/2017	Sb-125	-1.52E+00	2.66E+00	8.44E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	MW-21	428135012	7/14/2017	Se-75	1.03E+00	1.50E+00	4.84E+00	U
WG	MW-21	428135012	7/14/2017	Th-228	1.50E+00	3.81E+00	6.90E+00	U
WG	MW-21	428135012	7/14/2017	Zn-65	-6.33E-01	1.96E+00	6.30E+00	U
WG	MW-21	428135012	7/14/2017	Zr-95	-1.76E+00	2.20E+00	6.34E+00	U
WG	W-4	428500001	7/19/2017	Ac-228	-5.05E-01	4.15E+00	1.30E+01	U
WG	W-4	428500001	7/19/2017	Ag-108m	-6.97E-01	8.59E-01	2.64E+00	U
WG	W-4	428500001	7/19/2017	Ag-110m	4.24E-02	1.07E+00	3.40E+00	U
WG	W-4	428500001	7/19/2017	Ba-140	-4.49E+00	5.90E+00	1.78E+01	U
WG	W-4	428500001	7/19/2017	Be-7	1.23E+00	7.71E+00	2.56E+01	U
WG	W-4	428500001	7/19/2017	Ce-141	-6.99E+00	2.99E+00	6.34E+00	U
WG	W-4	428500001	7/19/2017	Ce-144	5.19E+00	7.28E+00	2.30E+01	U
WG	W-4	428500001	7/19/2017	Co-57	1.85E-01	1.00E+00	3.14E+00	U
WG	W-4	428500001	7/19/2017	Co-58	-6.69E-01	1.02E+00	3.00E+00	U
WG	W-4	428500001	7/19/2017	Co-60	-5.15E-01	7.70E-01	2.30E+00	U
WG	W-4	428500001	7/19/2017	Cr-51	-2.26E+01	1.12E+01	2.93E+01	U
WG	W-4	428500001	7/19/2017	Cs-134	-1.49E+00	1.11E+00	2.92E+00	U
WG	W-4	428500001	7/19/2017	Cs-137	-1.85E+00	1.04E+00	2.51E+00	U
WG	W-4	428500001	7/19/2017	Fe-59	9.29E-01	2.08E+00	7.23E+00	U
WG	W-4	428500001	7/19/2017	H-3	-8.06E+02	4.73E+02	1.68E+03	U
WG	W-4	428500001	7/19/2017	I-131	8.17E-01	2.69E+00	9.04E+00	U
WG	W-4	428500001	7/19/2017	K-40	3.18E+01	1.65E+01	3.21E+01	U
WG	W-4	428500001	7/19/2017	La-140	2.24E+00	2.45E+00	8.59E+00	U
WG	W-4	428500001	7/19/2017	Mn-54	1.02E-02	9.23E-01	2.94E+00	U
WG	W-4	428500001	7/19/2017	Nb-95	-1.11E+00	1.25E+00	3.53E+00	U
WG	W-4	428500001	7/19/2017	Ru-103	-6.17E-01	1.08E+00	2.95E+00	U
WG	W-4	428500001	7/19/2017	Ru-106	1.32E+00	7.48E+00	2.46E+01	U
WG	W-4	428500001	7/19/2017	Sb-124	2.22E-01	2.09E+00	6.94E+00	U
WG	W-4	428500001	7/19/2017	Sb-125	2.10E+00	2.46E+00	8.37E+00	U
WG	W-4	428500001	7/19/2017	Se-75	4.05E-01	1.16E+00	3.96E+00	U
WG	W-4	428500001	7/19/2017	Th-228	4.10E+00	3.52E+00	5.63E+00	U
WG	W-4	428500001	7/19/2017	Zn-65	-1.38E-01	1.64E+00	5.47E+00	U
WG	W-4	428500001	7/19/2017	Zr-95	-1.54E+00	1.96E+00	5.75E+00	U
WG	W-5	428500002	7/19/2017	Ac-228	1.70E+01	6.68E+00	1.90E+01	U
WG	W-5	428500002	7/19/2017	Ag-108m	-2.60E-02	8.91E-01	3.02E+00	U
WG	W-5	428500002	7/19/2017	Ag-110m	3.15E+00	1.89E+00	6.46E+00	U
WG	W-5	428500002	7/19/2017	Ba-140	-7.16E+00	8.00E+00	2.44E+01	U
WG	W-5	428500002	7/19/2017	Be-7	-2.11E+01	1.17E+01	3.13E+01	U
WG	W-5	428500002	7/19/2017	Ce-141	6.59E-01	2.01E+00	6.70E+00	U
WG	W-5	428500002	7/19/2017	Ce-144	8.22E+00	6.59E+00	2.19E+01	U
WG	W-5	428500002	7/19/2017	Co-57	-1.46E+00	1.14E+00	3.02E+00	U
WG	W-5	428500002	7/19/2017	Co-58	-1.63E-01	1.08E+00	3.43E+00	U
WG	W-5	428500002	7/19/2017	Co-60	-1.68E+00	1.30E+00	3.42E+00	U
WG	W-5	428500002	7/19/2017	Cr-51	6.46E+00	1.18E+01	3.78E+01	U
WG	W-5	428500002	7/19/2017	Cs-134	-1.65E+00	1.82E+00	4.50E+00	U
WG	W-5	428500002	7/19/2017	Cs-137	-1.14E+00	1.02E+00	2.84E+00	U
WG	W-5	428500002	7/19/2017	Fe-59	-3.13E+00	2.45E+00	6.67E+00	U
WG	W-5	428500002	7/19/2017	H-3	1.07E+03	5.67E+02	1.69E+03	U
WG	W-5	428500002	7/19/2017	I-131	-2.25E+00	2.97E+00	9.62E+00	U
WG	W-5	428500002	7/19/2017	K-40	1.55E+01	2.41E+01	3.44E+01	U
WG	W-5	428500002	7/19/2017	La-140	-5.64E+00	3.29E+00	7.23E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	428500002	7/19/2017	Mn-54	-2.55E-01	1.21E+00	3.83E+00	U
WG	W-5	428500002	7/19/2017	Nb-95	7.14E-02	1.41E+00	4.58E+00	U
WG	W-5	428500002	7/19/2017	Ru-103	9.09E-01	1.30E+00	4.49E+00	U
WG	W-5	428500002	7/19/2017	Ru-106	4.57E-01	9.75E+00	3.23E+01	U
WG	W-5	428500002	7/19/2017	Sb-124	1.92E+00	3.89E+00	1.33E+01	U
WG	W-5	428500002	7/19/2017	Sb-125	2.17E+00	2.97E+00	1.04E+01	U
WG	W-5	428500002	7/19/2017	Se-75	6.79E-01	1.50E+00	4.83E+00	U
WG	W-5	428500002	7/19/2017	Th-228	-1.81E+00	2.52E+00	7.56E+00	U
WG	W-5	428500002	7/19/2017	Zn-65	3.78E-01	3.26E+00	1.06E+01	U
WG	W-5	428500002	7/19/2017	Zr-95	7.07E-01	2.33E+00	7.76E+00	U
WG	W-6	428500003	7/19/2017	Ac-228	-5.76E+00	3.86E+00	9.46E+00	U
WG	W-6	428500003	7/19/2017	Ag-108m	-9.17E-01	6.38E-01	1.85E+00	U
WG	W-6	428500003	7/19/2017	Ag-110m	1.30E-01	1.09E+00	3.50E+00	U
WG	W-6	428500003	7/19/2017	Ba-140	5.06E+00	7.28E+00	1.63E+01	U
WG	W-6	428500003	7/19/2017	Be-7	4.74E-02	6.98E+00	2.32E+01	U
WG	W-6	428500003	7/19/2017	Ce-141	4.43E+00	2.74E+00	4.79E+00	U
WG	W-6	428500003	7/19/2017	Ce-144	-4.87E+00	5.39E+00	1.64E+01	U
WG	W-6	428500003	7/19/2017	Co-57	3.76E-01	6.83E-01	2.23E+00	U
WG	W-6	428500003	7/19/2017	Co-58	-6.85E-02	7.54E-01	2.40E+00	U
WG	W-6	428500003	7/19/2017	Co-60	5.25E-01	6.64E-01	2.33E+00	U
WG	W-6	428500003	7/19/2017	Cr-51	-8.01E-01	8.42E+00	2.57E+01	U
WG	W-6	428500003	7/19/2017	Cs-134	8.71E-01	7.59E-01	2.56E+00	U
WG	W-6	428500003	7/19/2017	Cs-137	3.38E-01	7.46E-01	2.48E+00	U
WG	W-6	428500003	7/19/2017	Fe-59	1.55E-01	1.77E+00	5.98E+00	U
WG	W-6	428500003	7/19/2017	H-3	2.48E+02	4.55E+02	1.46E+03	U
WG	W-6	428500003	7/19/2017	I-131	2.12E+00	2.08E+00	7.11E+00	U
WG	W-6	428500003	7/19/2017	K-40	3.09E+01	1.54E+01	2.19E+01	UI
WG	W-6	428500003	7/19/2017	La-140	6.16E-02	1.54E+00	5.07E+00	U
WG	W-6	428500003	7/19/2017	Mn-54	9.88E-01	7.18E-01	2.41E+00	U
WG	W-6	428500003	7/19/2017	Nb-95	-1.41E-01	7.61E-01	2.41E+00	U
WG	W-6	428500003	7/19/2017	Ru-103	4.53E-01	8.29E-01	2.80E+00	U
WG	W-6	428500003	7/19/2017	Ru-106	6.21E+00	6.23E+00	2.11E+01	U
WG	W-6	428500003	7/19/2017	Sb-124	-1.16E+00	1.67E+00	4.89E+00	U
WG	W-6	428500003	7/19/2017	Sb-125	3.61E+00	2.06E+00	6.84E+00	U
WG	W-6	428500003	7/19/2017	Se-75	-9.10E-02	1.05E+00	3.23E+00	U
WG	W-6	428500003	7/19/2017	Th-228	-5.14E-01	1.79E+00	5.14E+00	U
WG	W-6	428500003	7/19/2017	Zn-65	7.06E-03	1.82E+00	4.85E+00	U
WG	W-6	428500003	7/19/2017	Zr-95	-7.63E-01	1.33E+00	4.05E+00	U
WG	W-8	428500004	7/19/2017	Ac-228	5.70E+00	4.39E+00	1.50E+01	U
WG	W-8	428500004	7/19/2017	Ag-108m	-1.13E+00	1.22E+00	3.34E+00	U
WG	W-8	428500004	7/19/2017	Ag-110m	2.86E+00	1.74E+00	5.89E+00	U
WG	W-8	428500004	7/19/2017	Ba-140	-4.73E-01	8.40E+00	2.48E+01	U
WG	W-8	428500004	7/19/2017	Be-7	-1.29E+01	9.64E+00	2.75E+01	U
WG	W-8	428500004	7/19/2017	Ce-141	5.70E+00	3.96E+00	8.62E+00	U
WG	W-8	428500004	7/19/2017	Ce-144	5.93E+00	8.62E+00	2.79E+01	U
WG	W-8	428500004	7/19/2017	Co-57	1.72E+00	1.24E+00	3.94E+00	U
WG	W-8	428500004	7/19/2017	Co-58	4.68E-02	1.08E+00	3.49E+00	U
WG	W-8	428500004	7/19/2017	Co-60	5.73E-01	1.16E+00	4.05E+00	U
WG	W-8	428500004	7/19/2017	Cr-51	-2.49E+00	1.25E+01	4.21E+01	U
WG	W-8	428500004	7/19/2017	Cs-134	2.76E+00	1.31E+00	4.43E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-8	428500004	7/19/2017	Cs-137	5.72E-01	1.05E+00	3.56E+00	U
WG	W-8	428500004	7/19/2017	Fe-59	3.25E-01	2.38E+00	8.16E+00	U
WG	W-8	428500004	7/19/2017	H-3	2.84E+01	5.05E+02	1.66E+03	U
WG	W-8	428500004	7/19/2017	I-131	-2.17E+00	3.33E+00	1.08E+01	U
WG	W-8	428500004	7/19/2017	K-40	-3.62E+01	2.05E+01	5.18E+01	U
WG	W-8	428500004	7/19/2017	La-140	-7.51E-01	2.92E+00	9.34E+00	U
WG	W-8	428500004	7/19/2017	Mn-54	-1.35E-02	9.23E-01	2.96E+00	U
WG	W-8	428500004	7/19/2017	Nb-95	4.52E-01	1.23E+00	4.08E+00	U
WG	W-8	428500004	7/19/2017	Ru-103	-8.60E-01	1.37E+00	4.34E+00	U
WG	W-8	428500004	7/19/2017	Ru-106	1.19E+01	9.82E+00	3.37E+01	U
WG	W-8	428500004	7/19/2017	Sb-124	-1.54E+00	2.76E+00	8.29E+00	U
WG	W-8	428500004	7/19/2017	Sb-125	-6.95E+00	3.51E+00	9.12E+00	U
WG	W-8	428500004	7/19/2017	Se-75	4.70E-01	1.66E+00	5.75E+00	U
WG	W-8	428500004	7/19/2017	Th-228	2.96E+00	4.85E+00	9.87E+00	U
WG	W-8	428500004	7/19/2017	Zn-65	-3.18E+00	2.74E+00	7.21E+00	U
WG	W-8	428500004	7/19/2017	Zr-95	-2.00E+00	2.23E+00	6.50E+00	U
WG	W-15	428500005	7/19/2017	Ac-228	-1.08E+01	5.81E+00	1.16E+01	U
WG	W-15	428500005	7/19/2017	Ag-108m	2.17E-01	8.16E-01	2.78E+00	U
WG	W-15	428500005	7/19/2017	Ag-110m	7.18E-02	1.13E+00	3.86E+00	U
WG	W-15	428500005	7/19/2017	Ba-140	1.04E+01	6.59E+00	2.28E+01	U
WG	W-15	428500005	7/19/2017	Be-7	1.64E+01	9.77E+00	3.33E+01	U
WG	W-15	428500005	7/19/2017	Ce-141	-2.83E+00	2.31E+00	5.80E+00	U
WG	W-15	428500005	7/19/2017	Ce-144	-5.22E+00	6.35E+00	1.97E+01	U
WG	W-15	428500005	7/19/2017	Co-57	6.25E-01	8.07E-01	2.70E+00	U
WG	W-15	428500005	7/19/2017	Co-58	3.15E-01	9.66E-01	3.18E+00	U
WG	W-15	428500005	7/19/2017	Co-60	2.25E-01	9.99E-01	3.37E+00	U
WG	W-15	428500005	7/19/2017	Cr-51	-5.96E-01	1.01E+01	3.46E+01	U
WG	W-15	428500005	7/19/2017	Cs-134	-5.45E-02	1.03E+00	3.26E+00	U
WG	W-15	428500005	7/19/2017	Cs-137	4.78E-01	1.01E+00	3.40E+00	U
WG	W-15	428500005	7/19/2017	Fe-59	-1.93E+00	2.34E+00	7.04E+00	U
WG	W-15	428500005	7/19/2017	H-3	-2.32E+01	4.98E+02	1.64E+03	U
WG	W-15	428500005	7/19/2017	I-131	5.89E+00	2.99E+00	1.01E+01	U
WG	W-15	428500005	7/19/2017	K-40	-1.79E+01	1.59E+01	4.67E+01	U
WG	W-15	428500005	7/19/2017	La-140	-8.42E+00	5.28E+00	6.78E+00	U
WG	W-15	428500005	7/19/2017	Mn-54	8.29E-01	1.03E+00	3.47E+00	U
WG	W-15	428500005	7/19/2017	Nb-95	2.29E+00	1.18E+00	4.00E+00	U
WG	W-15	428500005	7/19/2017	Ru-103	-6.75E-01	9.90E-01	3.07E+00	U
WG	W-15	428500005	7/19/2017	Ru-106	1.16E+00	8.09E+00	2.67E+01	U
WG	W-15	428500005	7/19/2017	Sb-124	-3.71E-01	2.30E+00	7.18E+00	U
WG	W-15	428500005	7/19/2017	Sb-125	-1.28E+00	2.55E+00	8.24E+00	U
WG	W-15	428500005	7/19/2017	Se-75	1.69E+00	1.41E+00	4.56E+00	U
WG	W-15	428500005	7/19/2017	Th-228	5.88E+00	3.80E+00	7.37E+00	U
WG	W-15	428500005	7/19/2017	Zn-65	-2.74E-01	2.28E+00	7.53E+00	U
WG	W-15	428500005	7/19/2017	Zr-95	-1.89E+00	2.13E+00	6.15E+00	U
WG	W-3	434345001	10/3/2017	Ac-228	1.23E+01	5.21E+00	1.76E+01	U
WG	W-3	434345001	10/3/2017	Ag-108m	-1.18E-02	9.82E-01	2.91E+00	U
WG	W-3	434345001	10/3/2017	Ag-110m	-2.87E+00	1.58E+00	3.00E+00	U
WG	W-3	434345001	10/3/2017	Ba-140	8.62E-01	5.81E+00	1.93E+01	U
WG	W-3	434345001	10/3/2017	Be-7	3.21E+00	1.08E+01	3.62E+01	U
WG	W-3	434345001	10/3/2017	Ce-141	-1.42E+00	2.41E+00	7.25E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-3	434345001	10/3/2017	Ce-144	-2.47E-01	8.76E+00	2.75E+01	U
WG	W-3	434345001	10/3/2017	Co-57	-4.29E-01	1.13E+00	3.47E+00	U
WG	W-3	434345001	10/3/2017	Co-58	2.14E+00	1.26E+00	4.46E+00	U
WG	W-3	434345001	10/3/2017	Co-60	-1.42E+00	9.97E-01	2.13E+00	U
WG	W-3	434345001	10/3/2017	Cr-51	-4.61E+00	1.05E+01	3.40E+01	U
WG	W-3	434345001	10/3/2017	Cs-134	2.34E-01	1.41E+00	4.58E+00	U
WG	W-3	434345001	10/3/2017	Cs-137	4.39E-01	1.21E+00	4.04E+00	U
WG	W-3	434345001	10/3/2017	Fe-59	3.21E+00	2.39E+00	8.87E+00	U
WG	W-3	434345001	10/3/2017	H-3	-2.23E+02	7.84E+02	1.35E+03	U
WG	W-3	434345001	10/3/2017	I-131	-1.24E+00	2.16E+00	6.81E+00	U
WG	W-3	434345001	10/3/2017	K-40	1.02E-01	2.45E+01	2.80E+01	U
WG	W-3	434345001	10/3/2017	La-140	7.86E-01	2.08E+00	7.21E+00	U
WG	W-3	434345001	10/3/2017	Mn-54	-9.85E-01	1.24E+00	3.50E+00	U
WG	W-3	434345001	10/3/2017	Nb-95	9.18E-01	1.21E+00	4.52E+00	U
WG	W-3	434345001	10/3/2017	Ru-103	-7.07E-01	1.31E+00	3.93E+00	U
WG	W-3	434345001	10/3/2017	Ru-106	-3.33E-01	9.63E+00	2.78E+01	U
WG	W-3	434345001	10/3/2017	Sb-124	-1.23E+00	2.16E+00	5.99E+00	U
WG	W-3	434345001	10/3/2017	Sb-125	1.00E+00	2.93E+00	9.94E+00	U
WG	W-3	434345001	10/3/2017	Se-75	1.24E+00	1.65E+00	5.73E+00	U
WG	W-3	434345001	10/3/2017	Th-228	-1.15E+00	2.64E+00	8.44E+00	U
WG	W-3	434345001	10/3/2017	Zn-65	4.90E+00	2.08E+00	8.06E+00	U
WG	W-3	434345001	10/3/2017	Zr-95	-9.56E-01	1.83E+00	5.40E+00	U
WG	W-10	434345002	10/3/2017	Ac-228	-7.69E+00	5.95E+00	1.69E+01	U
WG	W-10	434345002	10/3/2017	Ag-108m	1.62E+00	9.86E-01	3.41E+00	U
WG	W-10	434345002	10/3/2017	Ag-110m	1.80E+00	1.66E+00	5.92E+00	U
WG	W-10	434345002	10/3/2017	Ba-140	-1.13E+00	5.68E+00	1.79E+01	U
WG	W-10	434345002	10/3/2017	Be-7	3.22E+00	9.32E+00	3.12E+01	U
WG	W-10	434345002	10/3/2017	Ce-141	3.49E-01	2.32E+00	7.30E+00	U
WG	W-10	434345002	10/3/2017	Ce-144	9.70E+00	8.57E+00	2.76E+01	U
WG	W-10	434345002	10/3/2017	Co-57	2.14E-01	1.07E+00	3.40E+00	U
WG	W-10	434345002	10/3/2017	Co-58	1.32E+00	1.14E+00	4.13E+00	U
WG	W-10	434345002	10/3/2017	Co-60	1.74E-02	1.29E+00	4.21E+00	U
WG	W-10	434345002	10/3/2017	Cr-51	2.61E+01	1.27E+01	4.22E+01	U
WG	W-10	434345002	10/3/2017	Cs-134	1.65E-01	1.17E+00	4.00E+00	U
WG	W-10	434345002	10/3/2017	Cs-137	2.77E-01	1.44E+00	4.16E+00	U
WG	W-10	434345002	10/3/2017	Fe-59	-2.37E-02	2.68E+00	8.84E+00	U
WG	W-10	434345002	10/3/2017	H-3	-5.88E+01	8.09E+02	1.37E+03	U
WG	W-10	434345002	10/3/2017	I-131	4.93E+00	2.57E+00	8.68E+00	U
WG	W-10	434345002	10/3/2017	K-40	-1.01E+01	1.81E+01	5.72E+01	U
WG	W-10	434345002	10/3/2017	La-140	1.27E+00	2.58E+00	8.76E+00	U
WG	W-10	434345002	10/3/2017	Mn-54	6.49E-02	1.18E+00	3.98E+00	U
WG	W-10	434345002	10/3/2017	Nb-95	-7.25E-02	1.23E+00	4.13E+00	U
WG	W-10	434345002	10/3/2017	Ru-103	7.37E-01	1.32E+00	4.44E+00	U
WG	W-10	434345002	10/3/2017	Ru-106	1.12E+01	1.17E+01	3.96E+01	U
WG	W-10	434345002	10/3/2017	Sb-124	-6.74E+00	3.63E+00	7.68E+00	U
WG	W-10	434345002	10/3/2017	Sb-125	4.75E-01	3.01E+00	9.99E+00	U
WG	W-10	434345002	10/3/2017	Se-75	-9.60E-01	1.61E+00	5.20E+00	U
WG	W-10	434345002	10/3/2017	Th-228	5.16E+00	3.76E+00	7.01E+00	U
WG	W-10	434345002	10/3/2017	Zn-65	-2.42E+00	2.80E+00	7.12E+00	U
WG	W-10	434345002	10/3/2017	Zr-95	1.66E+00	2.16E+00	7.68E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-11	434345003	10/3/2017	Ac-228	6.94E+00	8.50E+00	2.21E+01	U
WG	W-11	434345003	10/3/2017	Ag-108m	-4.40E-01	1.05E+00	3.19E+00	U
WG	W-11	434345003	10/3/2017	Ag-110m	-2.03E+00	2.03E+00	5.63E+00	U
WG	W-11	434345003	10/3/2017	Ba-140	-3.86E+00	8.10E+00	2.26E+01	U
WG	W-11	434345003	10/3/2017	Be-7	-4.81E+00	1.03E+01	3.34E+01	U
WG	W-11	434345003	10/3/2017	Ce-141	-3.56E+00	2.96E+00	7.30E+00	U
WG	W-11	434345003	10/3/2017	Ce-144	1.59E-01	8.83E+00	2.55E+01	U
WG	W-11	434345003	10/3/2017	Co-57	2.17E+00	1.50E+00	3.34E+00	U
WG	W-11	434345003	10/3/2017	Co-58	-3.80E-01	1.25E+00	3.91E+00	U
WG	W-11	434345003	10/3/2017	Co-60	1.76E+00	1.44E+00	5.29E+00	U
WG	W-11	434345003	10/3/2017	Cr-51	3.80E+00	1.32E+01	4.40E+01	U
WG	W-11	434345003	10/3/2017	Cs-134	3.87E+00	2.24E+00	4.70E+00	U
WG	W-11	434345003	10/3/2017	Cs-137	6.32E-01	1.02E+00	3.59E+00	U
WG	W-11	434345003	10/3/2017	Fe-59	6.84E-01	2.81E+00	9.60E+00	U
WG	W-11	434345003	10/3/2017	H-3	-1.19E+02	7.87E+02	1.34E+03	U
WG	W-11	434345003	10/3/2017	I-131	1.05E+00	2.79E+00	9.23E+00	U
WG	W-11	434345003	10/3/2017	K-40	6.47E+01	3.08E+01	5.26E+01	UI
WG	W-11	434345003	10/3/2017	La-140	-1.26E+00	2.87E+00	8.57E+00	U
WG	W-11	434345003	10/3/2017	Mn-54	1.40E+00	1.91E+00	3.93E+00	U
WG	W-11	434345003	10/3/2017	Nb-95	1.15E+00	1.50E+00	4.67E+00	U
WG	W-11	434345003	10/3/2017	Ru-103	-1.69E+00	1.51E+00	4.52E+00	U
WG	W-11	434345003	10/3/2017	Ru-106	-2.33E+00	1.09E+01	3.54E+01	U
WG	W-11	434345003	10/3/2017	Sb-124	-5.44E+00	4.02E+00	1.01E+01	U
WG	W-11	434345003	10/3/2017	Sb-125	4.84E+00	3.88E+00	1.30E+01	U
WG	W-11	434345003	10/3/2017	Se-75	-3.99E-01	1.86E+00	6.09E+00	U
WG	W-11	434345003	10/3/2017	Th-228	3.94E+00	3.24E+00	1.02E+01	U
WG	W-11	434345003	10/3/2017	Zn-65	-1.28E+00	3.06E+00	9.68E+00	U
WG	W-11	434345003	10/3/2017	Zr-95	-5.84E-01	2.39E+00	7.31E+00	U
WG	W-12	434345004	10/3/2017	Ac-228	-4.82E+00	5.46E+00	1.86E+01	U
WG	W-12	434345004	10/3/2017	Ag-108m	-6.90E-01	9.11E-01	2.70E+00	U
WG	W-12	434345004	10/3/2017	Ag-110m	-9.12E-01	1.68E+00	5.23E+00	U
WG	W-12	434345004	10/3/2017	Ba-140	-2.60E+00	8.20E+00	2.40E+01	U
WG	W-12	434345004	10/3/2017	Be-7	4.32E+00	1.15E+01	3.81E+01	U
WG	W-12	434345004	10/3/2017	Ce-141	-2.08E+00	2.89E+00	8.32E+00	U
WG	W-12	434345004	10/3/2017	Ce-144	1.56E+01	9.30E+00	2.95E+01	U
WG	W-12	434345004	10/3/2017	Co-57	-8.69E-01	1.28E+00	3.86E+00	U
WG	W-12	434345004	10/3/2017	Co-58	6.75E-01	1.19E+00	4.16E+00	U
WG	W-12	434345004	10/3/2017	Co-60	2.49E+00	1.70E+00	4.12E+00	U
WG	W-12	434345004	10/3/2017	Cr-51	-1.54E+01	1.09E+01	3.03E+01	U
WG	W-12	434345004	10/3/2017	Cs-134	2.52E-01	1.24E+00	4.13E+00	U
WG	W-12	434345004	10/3/2017	Cs-137	2.63E+00	1.35E+00	4.81E+00	U
WG	W-12	434345004	10/3/2017	Fe-59	-4.12E+00	3.44E+00	9.40E+00	U
WG	W-12	434345004	10/3/2017	H-3	-5.56E+02	7.63E+02	1.37E+03	U
WG	W-12	434345004	10/3/2017	I-131	1.47E+00	2.26E+00	7.73E+00	U
WG	W-12	434345004	10/3/2017	K-40	3.76E+01	2.18E+01	7.80E+01	U
WG	W-12	434345004	10/3/2017	La-140	-8.97E-01	3.09E+00	1.00E+01	U
WG	W-12	434345004	10/3/2017	Mn-54	-4.88E-01	1.41E+00	4.57E+00	U
WG	W-12	434345004	10/3/2017	Nb-95	1.80E+00	1.43E+00	5.07E+00	U
WG	W-12	434345004	10/3/2017	Ru-103	-7.75E-02	1.21E+00	3.90E+00	U
WG	W-12	434345004	10/3/2017	Ru-106	4.84E+00	1.28E+01	4.18E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-12	434345004	10/3/2017	Sb-124	4.23E+00	3.20E+00	1.21E+01	U
WG	W-12	434345004	10/3/2017	Sb-125	8.87E-01	3.14E+00	1.05E+01	U
WG	W-12	434345004	10/3/2017	Se-75	1.13E-01	1.57E+00	5.29E+00	U
WG	W-12	434345004	10/3/2017	Th-228	1.35E+00	2.97E+00	9.56E+00	U
WG	W-12	434345004	10/3/2017	Zn-65	1.57E+00	2.48E+00	7.90E+00	U
WG	W-12	434345004	10/3/2017	Zr-95	3.48E+00	2.62E+00	9.32E+00	U
WG	MW-21	434345005	10/3/2017	Ac-228	1.64E+00	7.98E+00	1.63E+01	U
WG	MW-21	434345005	10/3/2017	Ag-108m	9.59E-01	1.01E+00	3.17E+00	U
WG	MW-21	434345005	10/3/2017	Ag-110m	1.14E+00	1.54E+00	5.38E+00	U
WG	MW-21	434345005	10/3/2017	Ba-140	6.35E+00	5.72E+00	1.95E+01	U
WG	MW-21	434345005	10/3/2017	Be-7	-5.57E+00	9.05E+00	2.81E+01	U
WG	MW-21	434345005	10/3/2017	Ce-141	-3.05E+00	2.01E+00	5.56E+00	U
WG	MW-21	434345005	10/3/2017	Ce-144	4.10E+00	6.84E+00	2.23E+01	U
WG	MW-21	434345005	10/3/2017	Co-57	1.39E+00	9.30E-01	3.00E+00	U
WG	MW-21	434345005	10/3/2017	Co-58	-2.18E+00	1.18E+00	3.02E+00	U
WG	MW-21	434345005	10/3/2017	Co-60	-9.65E-01	1.05E+00	2.95E+00	U
WG	MW-21	434345005	10/3/2017	Cr-51	-4.41E+00	9.73E+00	3.18E+01	U
WG	MW-21	434345005	10/3/2017	Cs-134	-1.60E+00	1.41E+00	4.21E+00	U
WG	MW-21	434345005	10/3/2017	Cs-137	7.21E-02	1.01E+00	3.25E+00	U
WG	MW-21	434345005	10/3/2017	Fe-59	-7.22E-01	2.09E+00	6.65E+00	U
WG	MW-21	434345005	10/3/2017	H-3	2.13E+02	8.40E+02	1.38E+03	U
WG	MW-21	434345005	10/3/2017	I-131	-2.76E+00	2.21E+00	6.52E+00	U
WG	MW-21	434345005	10/3/2017	K-40	-1.61E+01	1.60E+01	5.09E+01	U
WG	MW-21	434345005	10/3/2017	La-140	8.42E-01	2.19E+00	7.31E+00	U
WG	MW-21	434345005	10/3/2017	Mn-54	8.95E-01	1.02E+00	3.61E+00	U
WG	MW-21	434345005	10/3/2017	Nb-95	-6.23E-02	9.96E-01	3.13E+00	U
WG	MW-21	434345005	10/3/2017	Ru-103	-2.83E+00	1.45E+00	3.64E+00	U
WG	MW-21	434345005	10/3/2017	Ru-106	-6.82E+00	9.87E+00	2.96E+01	U
WG	MW-21	434345005	10/3/2017	Sb-124	-2.13E+00	2.17E+00	6.06E+00	U
WG	MW-21	434345005	10/3/2017	Sb-125	2.16E+00	3.09E+00	1.05E+01	U
WG	MW-21	434345005	10/3/2017	Se-75	2.69E+00	1.49E+00	4.99E+00	U
WG	MW-21	434345005	10/3/2017	Th-228	-1.21E+00	2.24E+00	7.35E+00	U
WG	MW-21	434345005	10/3/2017	Zn-65	2.10E+00	2.45E+00	7.76E+00	U
WG	MW-21	434345005	10/3/2017	Zr-95	-5.90E-01	2.04E+00	6.28E+00	U
WG	W-1	434623001	10/5/2017	Ac-228	-9.41E+00	7.09E+00	2.00E+01	U
WG	W-1	434623001	10/5/2017	Ag-108m	1.03E+00	9.78E-01	3.43E+00	U
WG	W-1	434623001	10/5/2017	Ag-110m	1.60E+00	1.66E+00	5.81E+00	U
WG	W-1	434623001	10/5/2017	Ba-140	-6.90E+00	9.79E+00	2.97E+01	U
WG	W-1	434623001	10/5/2017	Be-7	6.52E+00	1.23E+01	3.81E+01	U
WG	W-1	434623001	10/5/2017	Ce-141	4.65E+00	4.20E+00	8.72E+00	U
WG	W-1	434623001	10/5/2017	Ce-144	-1.77E+01	9.83E+00	2.82E+01	U
WG	W-1	434623001	10/5/2017	Co-57	2.63E-01	1.15E+00	4.00E+00	U
WG	W-1	434623001	10/5/2017	Co-58	-2.76E+00	1.55E+00	3.43E+00	U
WG	W-1	434623001	10/5/2017	Co-60	-6.20E-01	1.30E+00	4.09E+00	U
WG	W-1	434623001	10/5/2017	Cr-51	2.11E+01	1.51E+01	5.18E+01	U
WG	W-1	434623001	10/5/2017	Cs-134	9.09E-01	1.02E+00	3.66E+00	U
WG	W-1	434623001	10/5/2017	Cs-137	1.33E+00	1.26E+00	4.42E+00	U
WG	W-1	434623001	10/5/2017	Fe-59	-2.66E+00	3.49E+00	9.84E+00	U
WG	W-1	434623001	10/5/2017	H-3	9.27E+01	4.69E+02	1.53E+03	U
WG	W-1	434623001	10/5/2017	I-131	5.68E+00	4.64E+00	1.60E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-1	434623001	10/5/2017	K-40	-6.90E+00	1.97E+01	6.35E+01	U
WG	W-1	434623001	10/5/2017	La-140	5.92E+00	3.87E+00	1.44E+01	U
WG	W-1	434623001	10/5/2017	Mn-54	1.86E-01	1.42E+00	4.10E+00	U
WG	W-1	434623001	10/5/2017	Nb-95	-9.64E-01	1.70E+00	5.22E+00	U
WG	W-1	434623001	10/5/2017	Ru-103	4.19E-01	1.49E+00	5.00E+00	U
WG	W-1	434623001	10/5/2017	Ru-106	-1.67E+01	1.27E+01	3.42E+01	U
WG	W-1	434623001	10/5/2017	Sb-124	2.14E-01	3.01E+00	1.02E+01	U
WG	W-1	434623001	10/5/2017	Sb-125	1.48E+00	3.38E+00	1.05E+01	U
WG	W-1	434623001	10/5/2017	Se-75	4.41E-01	1.80E+00	6.13E+00	U
WG	W-1	434623001	10/5/2017	Th-228	2.04E+00	5.01E+00	1.13E+01	U
WG	W-1	434623001	10/5/2017	Zn-65	-3.64E+00	3.38E+00	8.92E+00	U
WG	W-1	434623001	10/5/2017	Zr-95	-2.50E+00	3.03E+00	8.85E+00	U
WG	W-7	434623003	10/5/2017	Ac-228	1.26E+00	4.71E+00	1.63E+01	U
WG	W-7	434623003	10/5/2017	Ag-108m	3.02E-01	1.09E+00	3.73E+00	U
WG	W-7	434623003	10/5/2017	Ag-110m	-2.34E+00	1.91E+00	4.72E+00	U
WG	W-7	434623003	10/5/2017	Ba-140	-7.62E+00	9.39E+00	2.82E+01	U
WG	W-7	434623003	10/5/2017	Be-7	1.74E+01	1.16E+01	4.06E+01	U
WG	W-7	434623003	10/5/2017	Ce-141	-3.85E+00	2.71E+00	7.25E+00	U
WG	W-7	434623003	10/5/2017	Ce-144	-2.75E+00	7.37E+00	2.36E+01	U
WG	W-7	434623003	10/5/2017	Co-57	-1.74E+00	1.02E+00	2.76E+00	U
WG	W-7	434623003	10/5/2017	Co-58	1.17E-01	1.07E+00	3.46E+00	U
WG	W-7	434623003	10/5/2017	Co-60	2.22E+00	1.55E+00	5.63E+00	U
WG	W-7	434623003	10/5/2017	Cr-51	2.47E+01	2.11E+01	4.46E+01	U
WG	W-7	434623003	10/5/2017	Cs-134	1.20E+00	1.23E+00	4.31E+00	U
WG	W-7	434623003	10/5/2017	Cs-137	-1.76E+00	1.11E+00	2.57E+00	U
WG	W-7	434623003	10/5/2017	Fe-59	-1.87E+00	2.74E+00	8.25E+00	U
WG	W-7	434623003	10/5/2017	H-3	4.50E+02	3.93E+02	1.20E+03	U
WG	W-7	434623003	10/5/2017	I-131	7.04E-01	3.91E+00	1.34E+01	U
WG	W-7	434623003	10/5/2017	K-40	-1.82E+01	2.01E+01	6.37E+01	U
WG	W-7	434623003	10/5/2017	La-140	-9.10E+00	4.10E+00	5.34E+00	U
WG	W-7	434623003	10/5/2017	Mn-54	-2.14E-01	1.29E+00	4.02E+00	U
WG	W-7	434623003	10/5/2017	Nb-95	2.44E-01	1.32E+00	4.32E+00	U
WG	W-7	434623003	10/5/2017	Ru-103	-4.81E-01	1.39E+00	4.45E+00	U
WG	W-7	434623003	10/5/2017	Ru-106	1.41E+00	1.14E+01	3.77E+01	U
WG	W-7	434623003	10/5/2017	Sb-124	2.83E+00	3.35E+00	1.21E+01	U
WG	W-7	434623003	10/5/2017	Sb-125	-4.56E+00	3.47E+00	9.94E+00	U
WG	W-7	434623003	10/5/2017	Se-75	-1.63E+00	1.67E+00	4.68E+00	U
WG	W-7	434623003	10/5/2017	Th-228	6.08E+00	3.54E+00	9.15E+00	U
WG	W-7	434623003	10/5/2017	Zn-65	-1.67E+00	2.58E+00	7.81E+00	U
WG	W-7	434623003	10/5/2017	Zr-95	6.40E+00	3.07E+00	8.04E+00	U
WG	W-8	434623004	10/5/2017	Ac-228	-1.12E+00	5.82E+00	1.93E+01	U
WG	W-8	434623004	10/5/2017	Ag-108m	-1.59E+00	1.12E+00	2.99E+00	U
WG	W-8	434623004	10/5/2017	Ag-110m	-2.60E-01	1.46E+00	4.75E+00	U
WG	W-8	434623004	10/5/2017	Ba-140	5.70E+00	8.34E+00	2.83E+01	U
WG	W-8	434623004	10/5/2017	Be-7	-1.32E+01	1.17E+01	3.25E+01	U
WG	W-8	434623004	10/5/2017	Ce-141	4.01E+00	3.59E+00	7.82E+00	U
WG	W-8	434623004	10/5/2017	Ce-144	1.08E+01	9.16E+00	2.95E+01	U
WG	W-8	434623004	10/5/2017	Co-57	9.32E-01	1.19E+00	3.86E+00	U
WG	W-8	434623004	10/5/2017	Co-58	1.74E+00	1.21E+00	4.41E+00	U
WG	W-8	434623004	10/5/2017	Co-60	-3.77E+00	1.70E+00	2.61E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-8	434623004	10/5/2017	Cr-51	1.15E+01	1.40E+01	4.80E+01	U
WG	W-8	434623004	10/5/2017	Cs-134	-6.08E-01	1.27E+00	4.03E+00	U
WG	W-8	434623004	10/5/2017	Cs-137	2.49E+00	1.43E+00	5.06E+00	U
WG	W-8	434623004	10/5/2017	Fe-59	-2.57E+00	2.85E+00	7.99E+00	U
WG	W-8	434623004	10/5/2017	H-3	1.08E+03	4.37E+02	1.21E+03	U
WG	W-8	434623004	10/5/2017	I-131	1.64E+00	4.58E+00	1.54E+01	U
WG	W-8	434623004	10/5/2017	K-40	9.63E+00	1.52E+01	5.65E+01	U
WG	W-8	434623004	10/5/2017	La-140	-4.27E+00	2.86E+00	6.19E+00	U
WG	W-8	434623004	10/5/2017	Mn-54	1.35E-01	1.18E+00	4.00E+00	U
WG	W-8	434623004	10/5/2017	Nb-95	4.51E-01	1.27E+00	4.40E+00	U
WG	W-8	434623004	10/5/2017	Ru-103	-9.86E-01	1.70E+00	5.19E+00	U
WG	W-8	434623004	10/5/2017	Ru-106	-1.22E+01	1.18E+01	3.24E+01	U
WG	W-8	434623004	10/5/2017	Sb-124	1.36E+00	3.91E+00	1.36E+01	U
WG	W-8	434623004	10/5/2017	Sb-125	1.00E+00	3.56E+00	1.18E+01	U
WG	W-8	434623004	10/5/2017	Se-75	6.04E-01	1.72E+00	5.87E+00	U
WG	W-8	434623004	10/5/2017	Th-228	8.30E+00	6.17E+00	1.06E+01	U
WG	W-8	434623004	10/5/2017	Zn-65	3.20E+00	2.43E+00	8.90E+00	U
WG	W-8	434623004	10/5/2017	Zr-95	-2.80E+00	2.18E+00	5.93E+00	U
WG	W-9	434623005	10/5/2017	Ac-228	-4.88E+00	4.41E+00	1.32E+01	U
WG	W-9	434623005	10/5/2017	Ag-108m	1.27E+00	8.98E-01	3.09E+00	U
WG	W-9	434623005	10/5/2017	Ag-110m	-9.61E-01	1.31E+00	3.70E+00	U
WG	W-9	434623005	10/5/2017	Ba-140	5.78E+00	7.31E+00	2.51E+01	U
WG	W-9	434623005	10/5/2017	Be-7	-1.21E+00	9.08E+00	2.97E+01	U
WG	W-9	434623005	10/5/2017	Ce-141	-4.25E+00	2.43E+00	6.18E+00	U
WG	W-9	434623005	10/5/2017	Ce-144	6.77E-02	6.90E+00	2.19E+01	U
WG	W-9	434623005	10/5/2017	Co-57	6.69E-01	9.26E-01	3.01E+00	U
WG	W-9	434623005	10/5/2017	Co-58	2.94E-01	1.01E+00	3.33E+00	U
WG	W-9	434623005	10/5/2017	Co-60	2.88E-01	9.15E-01	3.15E+00	U
WG	W-9	434623005	10/5/2017	Cr-51	-5.03E+00	1.14E+01	3.74E+01	U
WG	W-9	434623005	10/5/2017	Cs-134	8.23E-01	9.36E-01	3.24E+00	U
WG	W-9	434623005	10/5/2017	Cs-137	-5.83E-01	9.91E-01	2.99E+00	U
WG	W-9	434623005	10/5/2017	Fe-59	-1.12E+00	1.94E+00	6.00E+00	U
WG	W-9	434623005	10/5/2017	H-3	5.17E+02	3.95E+02	1.20E+03	U
WG	W-9	434623005	10/5/2017	I-131	-3.35E+00	3.24E+00	9.79E+00	U
WG	W-9	434623005	10/5/2017	K-40	5.96E+00	1.72E+01	6.18E+01	U
WG	W-9	434623005	10/5/2017	La-140	-4.67E+00	3.54E+00	9.27E+00	U
WG	W-9	434623005	10/5/2017	Mn-54	-3.48E-01	1.11E+00	3.42E+00	U
WG	W-9	434623005	10/5/2017	Nb-95	-4.21E-01	1.19E+00	3.69E+00	U
WG	W-9	434623005	10/5/2017	Ru-103	1.07E+00	1.27E+00	4.33E+00	U
WG	W-9	434623005	10/5/2017	Ru-106	-2.60E+00	9.41E+00	2.98E+01	U
WG	W-9	434623005	10/5/2017	Sb-124	-1.45E+00	2.72E+00	8.06E+00	U
WG	W-9	434623005	10/5/2017	Sb-125	1.18E+00	2.42E+00	7.53E+00	U
WG	W-9	434623005	10/5/2017	Se-75	-6.33E-01	1.42E+00	4.70E+00	U
WG	W-9	434623005	10/5/2017	Th-228	1.48E+00	3.27E+00	6.97E+00	U
WG	W-9	434623005	10/5/2017	Zn-65	9.00E-01	1.66E+00	5.39E+00	U
WG	W-9	434623005	10/5/2017	Zr-95	2.14E+00	1.90E+00	6.57E+00	U
WG	W-13	434623006	10/5/2017	Ac-228	1.41E+00	7.42E+00	2.58E+01	U
WG	W-13	434623006	10/5/2017	Ag-108m	5.23E-01	1.24E+00	4.33E+00	U
WG	W-13	434623006	10/5/2017	Ag-110m	8.73E-01	1.50E+00	5.35E+00	U
WG	W-13	434623006	10/5/2017	Ba-140	7.68E+00	1.02E+01	3.65E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-13	434623006	10/5/2017	Be-7	-1.90E+01	1.55E+01	4.38E+01	U
WG	W-13	434623006	10/5/2017	Ce-141	8.58E-01	2.87E+00	9.62E+00	U
WG	W-13	434623006	10/5/2017	Ce-144	5.68E+00	9.89E+00	3.34E+01	U
WG	W-13	434623006	10/5/2017	Co-57	1.10E+00	1.22E+00	4.17E+00	U
WG	W-13	434623006	10/5/2017	Co-58	3.57E+00	1.79E+00	6.66E+00	U
WG	W-13	434623006	10/5/2017	Co-60	2.35E+00	1.76E+00	6.76E+00	U
WG	W-13	434623006	10/5/2017	Cr-51	4.32E+01	2.40E+01	6.41E+01	U
WG	W-13	434623006	10/5/2017	Cs-134	1.19E+00	1.95E+00	6.70E+00	U
WG	W-13	434623006	10/5/2017	Cs-137	9.90E-01	1.38E+00	4.92E+00	U
WG	W-13	434623006	10/5/2017	Fe-59	-2.96E+00	3.83E+00	1.13E+01	U
WG	W-13	434623006	10/5/2017	H-3	7.86E+02	4.10E+02	1.19E+03	U
WG	W-13	434623006	10/5/2017	I-131	-5.55E+00	4.71E+00	1.39E+01	U
WG	W-13	434623006	10/5/2017	K-40	-1.18E+01	2.54E+01	9.12E+01	U
WG	W-13	434623006	10/5/2017	La-140	7.52E-01	4.24E+00	1.43E+01	U
WG	W-13	434623006	10/5/2017	Mn-54	-8.82E-01	1.54E+00	4.48E+00	U
WG	W-13	434623006	10/5/2017	Nb-95	-5.38E-02	1.81E+00	5.84E+00	U
WG	W-13	434623006	10/5/2017	Ru-103	-1.42E+00	2.21E+00	6.07E+00	U
WG	W-13	434623006	10/5/2017	Ru-106	-4.08E+00	1.51E+01	4.84E+01	U
WG	W-13	434623006	10/5/2017	Sb-124	-2.19E+00	4.92E+00	1.45E+01	U
WG	W-13	434623006	10/5/2017	Sb-125	-3.38E-01	3.65E+00	1.23E+01	U
WG	W-13	434623006	10/5/2017	Se-75	-5.16E-02	2.15E+00	6.81E+00	U
WG	W-13	434623006	10/5/2017	Th-228	-5.24E+00	3.84E+00	1.08E+01	U
WG	W-13	434623006	10/5/2017	Zn-65	-5.06E+00	3.66E+00	9.03E+00	U
WG	W-13	434623006	10/5/2017	Zr-95	3.28E+00	2.69E+00	9.94E+00	U
WG	W-14	434623007	10/5/2017	Ac-228	1.04E+01	7.17E+00	1.91E+01	U
WG	W-14	434623007	10/5/2017	Ag-108m	-1.52E+00	1.20E+00	3.47E+00	U
WG	W-14	434623007	10/5/2017	Ag-110m	4.62E+00	4.53E+00	6.70E+00	U
WG	W-14	434623007	10/5/2017	Ba-140	7.30E+00	9.69E+00	3.33E+01	U
WG	W-14	434623007	10/5/2017	Be-7	-7.98E+00	1.08E+01	3.30E+01	U
WG	W-14	434623007	10/5/2017	Ce-141	-3.97E+00	3.29E+00	8.82E+00	U
WG	W-14	434623007	10/5/2017	Ce-144	-2.89E+00	8.44E+00	2.68E+01	U
WG	W-14	434623007	10/5/2017	Co-57	1.30E+00	1.08E+00	3.58E+00	U
WG	W-14	434623007	10/5/2017	Co-58	-1.22E+00	1.25E+00	3.33E+00	U
WG	W-14	434623007	10/5/2017	Co-60	8.31E-02	1.63E+00	5.36E+00	U
WG	W-14	434623007	10/5/2017	Cr-51	1.69E+01	1.44E+01	5.03E+01	U
WG	W-14	434623007	10/5/2017	Cs-134	7.20E-01	1.66E+00	5.47E+00	U
WG	W-14	434623007	10/5/2017	Cs-137	-2.60E+00	1.47E+00	3.47E+00	U
WG	W-14	434623007	10/5/2017	Fe-59	6.63E+00	3.35E+00	1.21E+01	U
WG	W-14	434623007	10/5/2017	H-3	9.97E+02	4.27E+02	1.20E+03	U
WG	W-14	434623007	10/5/2017	I-131	4.73E+00	3.67E+00	1.30E+01	U
WG	W-14	434623007	10/5/2017	K-40	-1.60E+01	2.01E+01	6.10E+01	U
WG	W-14	434623007	10/5/2017	La-140	3.48E+00	3.78E+00	1.34E+01	U
WG	W-14	434623007	10/5/2017	Mn-54	5.64E-01	1.03E+00	3.50E+00	U
WG	W-14	434623007	10/5/2017	Nb-95	-1.21E+00	1.59E+00	4.65E+00	U
WG	W-14	434623007	10/5/2017	Ru-103	-1.19E+00	1.44E+00	4.36E+00	U
WG	W-14	434623007	10/5/2017	Ru-106	7.24E+00	1.12E+01	3.80E+01	U
WG	W-14	434623007	10/5/2017	Sb-124	2.86E+00	2.90E+00	1.08E+01	U
WG	W-14	434623007	10/5/2017	Sb-125	-2.62E-01	2.97E+00	9.86E+00	U
WG	W-14	434623007	10/5/2017	Se-75	1.02E-01	1.82E+00	5.68E+00	U
WG	W-14	434623007	10/5/2017	Th-228	-3.84E+00	2.96E+00	7.90E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-14	434623007	10/5/2017	Zn-65	3.40E+00	2.70E+00	9.86E+00	U
WG	W-14	434623007	10/5/2017	Zr-95	7.86E-01	2.17E+00	7.22E+00	U
WG	MW-20	434623009	10/5/2017	Ac-228	2.29E+01	1.02E+01	2.00E+01	UI
WG	MW-20	434623009	10/5/2017	Ag-108m	-1.62E-01	9.15E-01	2.99E+00	U
WG	MW-20	434623009	10/5/2017	Ag-110m	1.57E+00	1.32E+00	4.72E+00	U
WG	MW-20	434623009	10/5/2017	Ba-140	9.44E+00	7.83E+00	2.68E+01	U
WG	MW-20	434623009	10/5/2017	Be-7	2.43E+01	1.23E+01	4.05E+01	U
WG	MW-20	434623009	10/5/2017	Ce-141	-1.70E+00	2.31E+00	6.39E+00	U
WG	MW-20	434623009	10/5/2017	Ce-144	-5.61E+00	7.07E+00	2.14E+01	U
WG	MW-20	434623009	10/5/2017	Co-57	2.08E+00	9.80E-01	3.04E+00	U
WG	MW-20	434623009	10/5/2017	Co-58	1.81E+00	1.29E+00	3.37E+00	U
WG	MW-20	434623009	10/5/2017	Co-60	-2.34E-01	9.40E-01	2.96E+00	U
WG	MW-20	434623009	10/5/2017	Cr-51	1.72E+01	1.25E+01	4.27E+01	U
WG	MW-20	434623009	10/5/2017	Cs-134	-8.16E-01	1.23E+00	3.72E+00	U
WG	MW-20	434623009	10/5/2017	Cs-137	4.41E-01	1.08E+00	3.56E+00	U
WG	MW-20	434623009	10/5/2017	Fe-59	1.55E+00	2.69E+00	9.23E+00	U
WG	MW-20	434623009	10/5/2017	H-3	0.00E+00	3.66E+02	1.20E+03	U
WG	MW-20	434623009	10/5/2017	I-131	-1.94E+00	3.64E+00	1.17E+01	U
WG	MW-20	434623009	10/5/2017	K-40	3.23E+01	1.98E+01	2.26E+01	UI
WG	MW-20	434623009	10/5/2017	La-140	-5.05E+00	2.75E+00	5.20E+00	U
WG	MW-20	434623009	10/5/2017	Mn-54	-9.60E-01	9.54E-01	2.85E+00	U
WG	MW-20	434623009	10/5/2017	Nb-95	-1.06E+00	1.27E+00	3.65E+00	U
WG	MW-20	434623009	10/5/2017	Ru-103	-1.69E+00	1.59E+00	4.42E+00	U
WG	MW-20	434623009	10/5/2017	Ru-106	3.01E+00	1.01E+01	3.32E+01	U
WG	MW-20	434623009	10/5/2017	Sb-124	6.04E-01	2.52E+00	8.73E+00	U
WG	MW-20	434623009	10/5/2017	Sb-125	-2.97E+00	3.42E+00	1.00E+01	U
WG	MW-20	434623009	10/5/2017	Se-75	-2.31E-01	1.40E+00	4.73E+00	U
WG	MW-20	434623009	10/5/2017	Th-228	5.10E+00	3.33E+00	7.49E+00	U
WG	MW-20	434623009	10/5/2017	Zn-65	1.47E-01	1.72E+00	5.08E+00	U
WG	MW-20	434623009	10/5/2017	Zr-95	2.72E+00	2.19E+00	7.42E+00	U
WG	W-2	434623002	10/6/2017	Ac-228	3.07E+00	7.59E+00	2.10E+01	U
WG	W-2	434623002	10/6/2017	Ag-108m	-2.94E-01	1.33E+00	4.39E+00	U
WG	W-2	434623002	10/6/2017	Ag-110m	9.31E-01	1.69E+00	5.72E+00	U
WG	W-2	434623002	10/6/2017	Ba-140	4.46E+00	1.07E+01	3.62E+01	U
WG	W-2	434623002	10/6/2017	Be-7	-9.29E+00	1.35E+01	4.23E+01	U
WG	W-2	434623002	10/6/2017	Ce-141	-4.24E-01	3.55E+00	1.09E+01	U
WG	W-2	434623002	10/6/2017	Ce-144	2.74E+00	1.02E+01	3.30E+01	U
WG	W-2	434623002	10/6/2017	Co-57	1.27E+00	1.46E+00	4.75E+00	U
WG	W-2	434623002	10/6/2017	Co-58	-1.05E-01	1.43E+00	4.57E+00	U
WG	W-2	434623002	10/6/2017	Co-60	1.73E+00	1.47E+00	5.40E+00	U
WG	W-2	434623002	10/6/2017	Cr-51	3.46E+00	1.61E+01	5.51E+01	U
WG	W-2	434623002	10/6/2017	Cs-134	-5.11E-01	1.77E+00	4.52E+00	U
WG	W-2	434623002	10/6/2017	Cs-137	5.93E-01	1.11E+00	3.80E+00	U
WG	W-2	434623002	10/6/2017	Fe-59	-2.69E+00	2.65E+00	7.51E+00	U
WG	W-2	434623002	10/6/2017	H-3	8.46E+02	4.18E+02	1.20E+03	U
WG	W-2	434623002	10/6/2017	I-131	-5.74E+00	4.89E+00	1.48E+01	U
WG	W-2	434623002	10/6/2017	K-40	6.12E+01	2.58E+01	3.92E+01	UI
WG	W-2	434623002	10/6/2017	La-140	-9.76E-01	3.22E+00	1.01E+01	U
WG	W-2	434623002	10/6/2017	Mn-54	2.37E+00	1.06E+00	2.23E+00	UI
WG	W-2	434623002	10/6/2017	Nb-95	-5.76E-01	1.51E+00	4.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS	
WG	W-2	434623002	10/6/2017	Ru-103	-2.93E-01	1.69E+00	5.55E+00	U	
WG	W-2	434623002	10/6/2017	Ru-106	-2.38E+00	1.15E+01	3.68E+01	U	
WG	W-2	434623002	10/6/2017	Sb-124	3.14E-01	3.21E+00	1.07E+01	U	
WG	W-2	434623002	10/6/2017	Sb-125	4.27E+00	3.73E+00	1.30E+01	U	
WG	W-2	434623002	10/6/2017	Se-75	-4.16E-01	1.97E+00	6.38E+00	U	
WG	W-2	434623002	10/6/2017	Th-228	-1.68E+00	3.70E+00	1.12E+01	U	
WG	W-2	434623002	10/6/2017	Zn-65	1.73E+00	3.28E+00	1.05E+01	U	
WG	W-2	434623002	10/6/2017	Zr-95	1.85E+00	2.91E+00	9.86E+00	U	
WG	W-15	434623008	10/6/2017	Ac-228	-8.18E+00	5.78E+00	1.66E+01	U	
WG	W-15	434623008	10/6/2017	Ag-108m	9.63E-01	1.02E+00	3.50E+00	U	
WG	W-15	434623008	10/6/2017	Ag-110m	1.75E-01	1.40E+00	4.24E+00	U	
WG	W-15	434623008	10/6/2017	Ba-140	-1.27E+00	8.32E+00	2.67E+01	U	
WG	W-15	434623008	10/6/2017	Be-7	1.16E+01	8.65E+00	3.06E+01	U	
WG	W-15	434623008	10/6/2017	Ce-141	-6.35E-01	2.30E+00	7.21E+00	U	
WG	W-15	434623008	10/6/2017	Ce-144	2.76E+00	7.33E+00	2.38E+01	U	
WG	W-15	434623008	10/6/2017	Co-57	-2.28E-01	1.03E+00	3.25E+00	U	
WG	W-15	434623008	10/6/2017	Co-58	-1.23E+00	1.13E+00	3.27E+00	U	
WG	W-15	434623008	10/6/2017	Co-60	-3.52E-01	1.08E+00	3.34E+00	U	
WG	W-15	434623008	10/6/2017	Cr-51	1.25E+01	1.46E+01	4.19E+01	U	
WG	W-15	434623008	10/6/2017	Cs-134	-1.77E+00	1.12E+00	2.85E+00	U	
WG	W-15	434623008	10/6/2017	Cs-137	-2.01E+00	1.26E+00	3.05E+00	U	
WG	W-15	434623008	10/6/2017	Fe-59	-4.95E-02	2.98E+00	9.87E+00	U	
WG	W-15	434623008	10/6/2017	H-3	1.01E+03	4.29E+02	1.20E+03	U	
WG	W-15	434623008	10/6/2017	I-131	1.44E+00	3.63E+00	1.24E+01	U	
WG	W-15	434623008	10/6/2017	K-40	3.16E+01	2.21E+01	7.82E+01	U	
WG	W-15	434623008	10/6/2017	La-140	-3.06E+00	3.16E+00	8.38E+00	U	
WG	W-15	434623008	10/6/2017	Mn-54	5.19E-01	9.58E-01	3.21E+00	U	
WG	W-15	434623008	10/6/2017	Nb-95	2.62E+00	1.53E+00	4.90E+00	U	
WG	W-15	434623008	10/6/2017	Ru-103	1.64E-01	1.40E+00	4.62E+00	U	
WG	W-15	434623008	10/6/2017	Ru-106	5.35E+00	9.90E+00	3.33E+01	U	
WG	W-15	434623008	10/6/2017	Sb-124	-2.88E+00	2.80E+00	6.72E+00	U	
WG	W-15	434623008	10/6/2017	Sb-125	4.10E+00	2.92E+00	1.01E+01	U	
WG	W-15	434623008	10/6/2017	Se-75	8.39E+00	3.44E+00	4.45E+00	UI	
WG	W-15	434623008	10/6/2017	Th-228	-8.08E-01	2.50E+00	8.12E+00	U	
WG	W-15	434623008	10/6/2017	Zn-65	-1.00E+00	2.38E+00	7.45E+00	U	
WG	W-15	434623008	10/6/2017	Zr-95	-2.62E+00	2.29E+00	5.99E+00	U	
WG	SG-1	434675001	10/8/2017	Ac-228	-4.56E+00	4.77E+00	1.50E+01	U	
WG	SG-1	434675001	10/8/2017	Ag-108m	-5.79E-01	7.65E-01	2.36E+00	U	
WG	SG-1	434675001	10/8/2017	Ag-110m	2.79E+00	1.52E+00	5.30E+00	U	
WG	SG-1	434675001	10/8/2017	ALPHA	1.91E+00	1.60E+00	4.85E+00	U	DL
WG	SG-1	434675001	10/8/2017	Ba-140	1.45E+00	6.64E+00	2.18E+01	U	
WG	SG-1	434675001	10/8/2017	Be-7	3.89E-01	9.46E+00	2.83E+01	U	
WG	SG-1	434675001	10/8/2017	BETA	6.93E+00	1.23E+00	3.16E+00		
WG	SG-1	434675001	10/8/2017	Ce-141	-1.02E+00	2.15E+00	6.69E+00	U	
WG	SG-1	434675001	10/8/2017	Ce-144	5.36E+00	7.08E+00	2.33E+01	U	
WG	SG-1	434675001	10/8/2017	Co-57	-2.70E-02	9.55E-01	3.08E+00	U	
WG	SG-1	434675001	10/8/2017	Co-58	-6.84E-01	8.79E-01	2.46E+00	U	
WG	SG-1	434675001	10/8/2017	Co-60	-3.19E-01	1.09E+00	3.48E+00	U	
WG	SG-1	434675001	10/8/2017	Cr-51	-3.24E+00	1.09E+01	3.38E+01	U	
WG	SG-1	434675001	10/8/2017	Cs-134	1.50E+00	9.79E-01	3.49E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-1	434675001	10/8/2017	Cs-137	7.96E-01	9.84E-01	3.39E+00	U
WG	SG-1	434675001	10/8/2017	Fe-59	1.37E+00	1.95E+00	6.98E+00	U
WG	SG-1	434675001	10/8/2017	H-3	3.61E+02	3.78E+02	1.18E+03	U
WG	SG-1	434675001	10/8/2017	I-131	2.55E+00	2.54E+00	8.90E+00	U
WG	SG-1	434675001	10/8/2017	K-40	9.43E+00	1.86E+01	3.20E+01	U
WG	SG-1	434675001	10/8/2017	La-140	4.24E+00	2.27E+00	8.55E+00	U
WG	SG-1	434675001	10/8/2017	Mn-54	-4.11E-01	9.84E-01	2.98E+00	U
WG	SG-1	434675001	10/8/2017	Nb-95	1.61E+00	1.21E+00	3.90E+00	U
WG	SG-1	434675001	10/8/2017	Ru-103	1.29E+00	1.06E+00	3.70E+00	U
WG	SG-1	434675001	10/8/2017	Ru-106	5.68E+00	8.89E+00	3.03E+01	U
WG	SG-1	434675001	10/8/2017	Sb-124	-2.62E-01	2.45E+00	7.83E+00	U
WG	SG-1	434675001	10/8/2017	Sb-125	1.04E+00	3.03E+00	1.03E+01	U
WG	SG-1	434675001	10/8/2017	Se-75	-3.20E-01	1.36E+00	4.61E+00	U
WG	SG-1	434675001	10/8/2017	Th-228	1.90E-01	2.87E+00	6.32E+00	U
WG	SG-1	434675001	10/8/2017	Zn-65	1.61E+00	1.72E+00	6.31E+00	U
WG	SG-1	434675001	10/8/2017	Zr-95	6.45E-01	1.87E+00	6.21E+00	U
WG	SG-2	434675002	10/8/2017	Ac-228	-6.52E+00	5.11E+00	1.17E+01	U
WG	SG-2	434675002	10/8/2017	Ag-108m	-2.09E+00	1.09E+00	2.70E+00	U
WG	SG-2	434675002	10/8/2017	Ag-110m	1.95E+00	1.47E+00	4.92E+00	U
WG	SG-2	434675002	10/8/2017	ALPHA	9.25E-01	6.40E-01	1.88E+00	U
WG	SG-2	434675002	10/8/2017	Ba-140	-1.28E+00	6.77E+00	2.20E+01	U
WG	SG-2	434675002	10/8/2017	Be-7	2.19E+01	1.10E+01	3.76E+01	U
WG	SG-2	434675002	10/8/2017	BETA	2.74E+00	3.90E-01	7.75E-01	M
WG	SG-2	434675002	10/8/2017	Ce-141	-5.70E+00	3.24E+00	8.02E+00	U
WG	SG-2	434675002	10/8/2017	Ce-144	2.18E+00	8.43E+00	2.71E+01	U
WG	SG-2	434675002	10/8/2017	Co-57	1.49E+00	1.10E+00	3.57E+00	U
WG	SG-2	434675002	10/8/2017	Co-58	-1.52E-01	9.77E-01	3.08E+00	U
WG	SG-2	434675002	10/8/2017	Co-60	6.15E-01	9.55E-01	3.47E+00	U
WG	SG-2	434675002	10/8/2017	Cr-51	3.86E+00	1.27E+01	4.37E+01	U
WG	SG-2	434675002	10/8/2017	Cs-134	1.06E+00	1.25E+00	3.97E+00	U
WG	SG-2	434675002	10/8/2017	Cs-137	-3.36E-01	1.06E+00	3.32E+00	U
WG	SG-2	434675002	10/8/2017	Fe-59	-2.18E+00	2.79E+00	7.20E+00	U
WG	SG-2	434675002	10/8/2017	H-3	7.77E+02	4.15E+02	1.21E+03	U
WG	SG-2	434675002	10/8/2017	I-131	8.67E-01	2.99E+00	1.03E+01	U
WG	SG-2	434675002	10/8/2017	K-40	2.85E+01	2.01E+01	4.75E+01	U
WG	SG-2	434675002	10/8/2017	La-140	7.53E-01	1.86E+00	6.57E+00	U
WG	SG-2	434675002	10/8/2017	Mn-54	9.33E-01	1.06E+00	3.66E+00	U
WG	SG-2	434675002	10/8/2017	Nb-95	-2.30E+00	1.40E+00	3.51E+00	U
WG	SG-2	434675002	10/8/2017	Ru-103	-2.29E-01	1.46E+00	4.28E+00	U
WG	SG-2	434675002	10/8/2017	Ru-106	-7.01E+00	1.07E+01	3.27E+01	U
WG	SG-2	434675002	10/8/2017	Sb-124	-1.82E+00	2.78E+00	8.05E+00	U
WG	SG-2	434675002	10/8/2017	Sb-125	4.08E+00	3.30E+00	1.14E+01	U
WG	SG-2	434675002	10/8/2017	Se-75	2.69E+00	1.65E+00	5.67E+00	U
WG	SG-2	434675002	10/8/2017	Th-228	-1.94E+00	2.39E+00	7.48E+00	U
WG	SG-2	434675002	10/8/2017	Zn-65	7.21E-01	2.34E+00	8.18E+00	U
WG	SG-2	434675002	10/8/2017	Zr-95	-2.24E+00	2.04E+00	5.53E+00	U
WG	SG-4	434675003	10/8/2017	Ac-228	-5.60E+00	5.19E+00	1.55E+01	U
WG	SG-4	434675003	10/8/2017	Ag-108m	1.70E-01	1.01E+00	3.37E+00	U
WG	SG-4	434675003	10/8/2017	Ag-110m	-1.16E+00	1.33E+00	3.83E+00	U
WG	SG-4	434675003	10/8/2017	ALPHA	1.60E+00	7.87E-01	2.18E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-4	434675003	10/8/2017	Ba-140	-6.61E+00	6.50E+00	1.68E+01	U
WG	SG-4	434675003	10/8/2017	Be-7	1.12E+01	8.90E+00	3.12E+01	U
WG	SG-4	434675003	10/8/2017	BETA	4.52E+00	5.36E-01	8.93E-01	
WG	SG-4	434675003	10/8/2017	Ce-141	-2.19E+00	2.55E+00	7.16E+00	U
WG	SG-4	434675003	10/8/2017	Ce-144	-4.72E+00	7.62E+00	2.36E+01	U
WG	SG-4	434675003	10/8/2017	Co-57	6.84E-01	1.03E+00	3.38E+00	U
WG	SG-4	434675003	10/8/2017	Co-58	-1.49E+00	8.64E-01	1.88E+00	U
WG	SG-4	434675003	10/8/2017	Co-60	-1.35E+00	1.12E+00	3.12E+00	U
WG	SG-4	434675003	10/8/2017	Cr-51	1.15E+01	1.14E+01	4.00E+01	U
WG	SG-4	434675003	10/8/2017	Cs-134	-1.83E-01	1.08E+00	3.48E+00	U
WG	SG-4	434675003	10/8/2017	Cs-137	1.02E+00	1.01E+00	3.51E+00	U
WG	SG-4	434675003	10/8/2017	Fe-59	-2.33E+00	2.06E+00	5.31E+00	U
WG	SG-4	434675003	10/8/2017	H-3	7.70E+02	4.13E+02	1.20E+03	U
WG	SG-4	434675003	10/8/2017	I-131	1.68E+00	2.70E+00	9.40E+00	U
WG	SG-4	434675003	10/8/2017	K-40	-2.30E+01	1.58E+01	5.16E+01	U
WG	SG-4	434675003	10/8/2017	La-140	1.59E+00	2.61E+00	9.20E+00	U
WG	SG-4	434675003	10/8/2017	Mn-54	3.42E-01	9.97E-01	3.35E+00	U
WG	SG-4	434675003	10/8/2017	Nb-95	-1.08E+00	1.20E+00	3.57E+00	U
WG	SG-4	434675003	10/8/2017	Ru-103	-1.65E-01	1.18E+00	3.92E+00	U
WG	SG-4	434675003	10/8/2017	Ru-106	2.27E+00	9.15E+00	3.09E+01	U
WG	SG-4	434675003	10/8/2017	Sb-124	8.86E-01	2.07E+00	7.36E+00	U
WG	SG-4	434675003	10/8/2017	Sb-125	2.25E+00	2.95E+00	1.03E+01	U
WG	SG-4	434675003	10/8/2017	Se-75	1.65E+00	1.57E+00	5.05E+00	U
WG	SG-4	434675003	10/8/2017	Th-228	-9.10E-01	2.51E+00	7.88E+00	U
WG	SG-4	434675003	10/8/2017	Zn-65	-1.35E-01	2.67E+00	7.57E+00	U
WG	SG-4	434675003	10/8/2017	Zr-95	2.60E+00	1.99E+00	6.94E+00	U
WG	SG-5	434675004	10/8/2017	Ac-228	4.80E+00	5.38E+00	1.82E+01	U
WG	SG-5	434675004	10/8/2017	Ag-108m	-1.17E+00	1.15E+00	3.42E+00	U
WG	SG-5	434675004	10/8/2017	Ag-110m	1.47E+00	1.77E+00	6.04E+00	U
WG	SG-5	434675004	10/8/2017	ALPHA	1.72E+00	9.56E-01	2.82E+00	U
WG	SG-5	434675004	10/8/2017	Ba-140	9.09E+00	8.07E+00	2.80E+01	U
WG	SG-5	434675004	10/8/2017	Be-7	-3.77E+00	1.03E+01	3.27E+01	U
WG	SG-5	434675004	10/8/2017	BETA	5.95E+00	7.11E-01	1.22E+00	
WG	SG-5	434675004	10/8/2017	Ce-141	-6.23E+00	3.22E+00	7.64E+00	U
WG	SG-5	434675004	10/8/2017	Ce-144	1.88E+01	9.72E+00	3.03E+01	U
WG	SG-5	434675004	10/8/2017	Co-57	-1.87E+00	1.27E+00	3.46E+00	U
WG	SG-5	434675004	10/8/2017	Co-58	2.51E-01	1.18E+00	3.87E+00	U
WG	SG-5	434675004	10/8/2017	Co-60	1.21E+00	1.09E+00	4.11E+00	U
WG	SG-5	434675004	10/8/2017	Cr-51	1.18E+01	1.29E+01	4.46E+01	U
WG	SG-5	434675004	10/8/2017	Cs-134	6.00E-01	1.23E+00	3.78E+00	U
WG	SG-5	434675004	10/8/2017	Cs-137	8.53E-01	1.26E+00	4.29E+00	U
WG	SG-5	434675004	10/8/2017	Fe-59	2.98E+00	2.43E+00	9.00E+00	U
WG	SG-5	434675004	10/8/2017	H-3	-1.63E+02	3.55E+02	1.20E+03	U
WG	SG-5	434675004	10/8/2017	I-131	2.30E+00	2.70E+00	9.44E+00	U
WG	SG-5	434675004	10/8/2017	K-40	-1.08E+01	1.56E+01	4.63E+01	U
WG	SG-5	434675004	10/8/2017	La-140	1.10E+00	1.87E+00	6.82E+00	U
WG	SG-5	434675004	10/8/2017	Mn-54	1.18E-01	1.09E+00	3.52E+00	U
WG	SG-5	434675004	10/8/2017	Nb-95	2.82E+00	1.38E+00	4.83E+00	U
WG	SG-5	434675004	10/8/2017	Ru-103	1.94E+00	1.55E+00	5.32E+00	U
WG	SG-5	434675004	10/8/2017	Ru-106	2.42E+00	8.48E+00	2.84E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	SG-5	434675004	10/8/2017	Sb-124	-2.35E+00	3.20E+00	8.99E+00	U
WG	SG-5	434675004	10/8/2017	Sb-125	-5.11E+00	4.28E+00	1.08E+01	U
WG	SG-5	434675004	10/8/2017	Se-75	4.66E-01	1.65E+00	5.66E+00	U
WG	SG-5	434675004	10/8/2017	Th-228	-4.95E-01	2.60E+00	8.81E+00	U
WG	SG-5	434675004	10/8/2017	Zn-65	-5.72E-01	2.38E+00	7.77E+00	U
WG	SG-5	434675004	10/8/2017	Zr-95	-2.05E+00	2.29E+00	6.40E+00	U
WG	W-4	435130001	10/10/2017	Ac-228	9.97E+00	6.56E+00	1.58E+01	U
WG	W-4	435130001	10/10/2017	Ag-108m	4.76E-01	8.13E-01	2.76E+00	U
WG	W-4	435130001	10/10/2017	Ag-110m	-1.05E+00	1.23E+00	3.81E+00	U
WG	W-4	435130001	10/10/2017	Ba-140	-2.90E+00	6.50E+00	2.05E+01	U
WG	W-4	435130001	10/10/2017	Be-7	3.59E+00	7.46E+00	2.53E+01	U
WG	W-4	435130001	10/10/2017	Ce-141	-4.08E+00	2.61E+00	6.88E+00	U
WG	W-4	435130001	10/10/2017	Ce-144	-6.33E+00	6.49E+00	1.96E+01	U
WG	W-4	435130001	10/10/2017	Co-57	1.20E-01	8.35E-01	2.72E+00	U
WG	W-4	435130001	10/10/2017	Co-58	-7.71E-01	9.13E-01	2.84E+00	U
WG	W-4	435130001	10/10/2017	Co-60	-6.15E-03	8.54E-01	2.79E+00	U
WG	W-4	435130001	10/10/2017	Cr-51	-5.85E+00	1.06E+01	3.29E+01	U
WG	W-4	435130001	10/10/2017	Cs-134	2.19E+00	1.06E+00	3.56E+00	U
WG	W-4	435130001	10/10/2017	Cs-137	-5.64E-01	9.08E-01	2.74E+00	U
WG	W-4	435130001	10/10/2017	Fe-59	-1.15E+00	1.84E+00	5.65E+00	U
WG	W-4	435130001	10/10/2017	H-3	1.40E+03	5.20E+02	1.40E+03	U
WG	W-4	435130001	10/10/2017	I-131	1.89E+00	3.24E+00	1.11E+01	U
WG	W-4	435130001	10/10/2017	K-40	6.54E+01	1.81E+01	2.67E+01	UI
WG	W-4	435130001	10/10/2017	La-140	-4.83E-01	2.31E+00	7.22E+00	U
WG	W-4	435130001	10/10/2017	Mn-54	-1.79E-01	8.46E-01	2.83E+00	U
WG	W-4	435130001	10/10/2017	Nb-95	-8.17E-02	1.08E+00	3.42E+00	U
WG	W-4	435130001	10/10/2017	Ru-103	-4.78E-01	1.12E+00	3.59E+00	U
WG	W-4	435130001	10/10/2017	Ru-106	1.49E+01	9.31E+00	3.11E+01	U
WG	W-4	435130001	10/10/2017	Sb-124	-1.71E+00	2.31E+00	6.47E+00	U
WG	W-4	435130001	10/10/2017	Sb-125	-1.09E+00	2.61E+00	8.45E+00	U
WG	W-4	435130001	10/10/2017	Se-75	6.93E-01	1.30E+00	4.51E+00	U
WG	W-4	435130001	10/10/2017	Th-228	1.50E+00	3.05E+00	7.43E+00	U
WG	W-4	435130001	10/10/2017	Zn-65	2.84E+00	2.01E+00	6.95E+00	U
WG	W-4	435130001	10/10/2017	Zr-95	-1.13E+00	1.77E+00	5.23E+00	U
WG	W-5	435130002	10/10/2017	Ac-228	5.05E+00	4.83E+00	1.63E+01	U
WG	W-5	435130002	10/10/2017	Ag-108m	-6.61E-01	9.76E-01	3.10E+00	U
WG	W-5	435130002	10/10/2017	Ag-110m	-1.57E-02	1.37E+00	4.36E+00	U
WG	W-5	435130002	10/10/2017	Ba-140	9.79E+00	8.20E+00	2.82E+01	U
WG	W-5	435130002	10/10/2017	Be-7	-3.99E+00	1.12E+01	3.65E+01	U
WG	W-5	435130002	10/10/2017	Ce-141	-2.47E+00	3.17E+00	8.03E+00	U
WG	W-5	435130002	10/10/2017	Ce-144	4.26E+00	8.76E+00	2.83E+01	U
WG	W-5	435130002	10/10/2017	Co-57	2.99E+00	1.31E+00	3.12E+00	U
WG	W-5	435130002	10/10/2017	Co-58	1.39E-01	1.14E+00	3.72E+00	U
WG	W-5	435130002	10/10/2017	Co-60	1.44E-01	1.23E+00	3.68E+00	U
WG	W-5	435130002	10/10/2017	Cr-51	-2.50E+01	1.40E+01	3.92E+01	U
WG	W-5	435130002	10/10/2017	Cs-134	-1.41E+00	1.14E+00	3.03E+00	U
WG	W-5	435130002	10/10/2017	Cs-137	1.18E+00	1.10E+00	3.77E+00	U
WG	W-5	435130002	10/10/2017	Fe-59	-2.22E-01	2.22E+00	7.46E+00	U
WG	W-5	435130002	10/10/2017	H-3	9.70E+02	5.16E+02	1.49E+03	U
WG	W-5	435130002	10/10/2017	I-131	-2.52E+00	3.74E+00	1.20E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WG	W-5	435130002	10/10/2017	K-40	1.34E+01	2.10E+01	2.09E+01	U
WG	W-5	435130002	10/10/2017	La-140	-4.83E+00	3.54E+00	9.32E+00	U
WG	W-5	435130002	10/10/2017	Mn-54	-5.59E-01	1.10E+00	3.35E+00	U
WG	W-5	435130002	10/10/2017	Nb-95	2.14E-01	1.14E+00	3.73E+00	U
WG	W-5	435130002	10/10/2017	Ru-103	1.37E+00	1.37E+00	4.68E+00	U
WG	W-5	435130002	10/10/2017	Ru-106	-7.59E+00	1.09E+01	3.34E+01	U
WG	W-5	435130002	10/10/2017	Sb-124	-5.85E-01	3.11E+00	9.98E+00	U
WG	W-5	435130002	10/10/2017	Sb-125	-5.72E+00	3.39E+00	9.37E+00	U
WG	W-5	435130002	10/10/2017	Se-75	-4.82E-01	1.96E+00	5.97E+00	U
WG	W-5	435130002	10/10/2017	Th-228	3.36E-02	4.58E+00	6.94E+00	U
WG	W-5	435130002	10/10/2017	Zn-65	-2.52E+00	2.64E+00	6.67E+00	U
WG	W-5	435130002	10/10/2017	Zr-95	-1.07E-01	2.08E+00	6.69E+00	U
WG	W-6	435130003	10/10/2017	Ac-228	1.42E+01	7.07E+00	1.38E+01	UI
WG	W-6	435130003	10/10/2017	Ag-108m	-9.70E-01	9.96E-01	2.81E+00	U
WG	W-6	435130003	10/10/2017	Ag-110m	-6.07E-01	1.25E+00	3.73E+00	U
WG	W-6	435130003	10/10/2017	Ba-140	1.07E+01	6.56E+00	2.15E+01	U
WG	W-6	435130003	10/10/2017	Be-7	-1.49E+01	1.08E+01	2.59E+01	U
WG	W-6	435130003	10/10/2017	Ce-141	-1.22E+00	2.34E+00	6.50E+00	U
WG	W-6	435130003	10/10/2017	Ce-144	-2.28E+00	6.71E+00	2.07E+01	U
WG	W-6	435130003	10/10/2017	Co-57	-6.44E-01	9.93E-01	3.01E+00	U
WG	W-6	435130003	10/10/2017	Co-58	7.40E-01	1.09E+00	3.35E+00	U
WG	W-6	435130003	10/10/2017	Co-60	6.27E-01	9.94E-01	3.50E+00	U
WG	W-6	435130003	10/10/2017	Cr-51	1.32E+01	1.18E+01	4.05E+01	U
WG	W-6	435130003	10/10/2017	Cs-134	-9.17E-01	1.23E+00	3.10E+00	U
WG	W-6	435130003	10/10/2017	Cs-137	-2.82E-01	7.82E-01	2.42E+00	U
WG	W-6	435130003	10/10/2017	Fe-59	-1.94E+00	2.35E+00	7.16E+00	U
WG	W-6	435130003	10/10/2017	H-3	1.29E+03	5.25E+02	1.44E+03	U
WG	W-6	435130003	10/10/2017	I-131	5.00E-01	3.22E+00	1.08E+01	U
WG	W-6	435130003	10/10/2017	K-40	-2.26E+01	1.55E+01	4.44E+01	U
WG	W-6	435130003	10/10/2017	La-140	3.86E+00	2.81E+00	1.01E+01	U
WG	W-6	435130003	10/10/2017	Mn-54	3.42E-01	1.24E+00	3.63E+00	U
WG	W-6	435130003	10/10/2017	Nb-95	-1.72E-01	1.12E+00	3.55E+00	U
WG	W-6	435130003	10/10/2017	Ru-103	-2.35E+00	1.33E+00	3.45E+00	U
WG	W-6	435130003	10/10/2017	Ru-106	-4.93E+00	7.15E+00	2.13E+01	U
WG	W-6	435130003	10/10/2017	Sb-124	-3.65E+00	2.25E+00	4.34E+00	U
WG	W-6	435130003	10/10/2017	Sb-125	1.42E+00	2.63E+00	8.93E+00	U
WG	W-6	435130003	10/10/2017	Se-75	-8.34E-01	1.40E+00	4.57E+00	U
WG	W-6	435130003	10/10/2017	Th-228	2.80E+00	2.91E+00	6.93E+00	U
WG	W-6	435130003	10/10/2017	Zn-65	4.70E-01	2.80E+00	7.72E+00	U
WG	W-6	435130003	10/10/2017	Zr-95	-2.50E+00	2.17E+00	6.01E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	415434001	1/31/2017	Ac-228	-3.64E-01	2.60E+00	8.28E+00	U
WS	SWL-2	415434001	1/31/2017	Ag-108m	3.01E-01	5.91E-01	2.06E+00	U
WS	SWL-2	415434001	1/31/2017	Ag-110m	-7.92E-01	9.98E-01	2.94E+00	U
WS	SWL-2	415434001	1/31/2017	Ba-140	-1.66E+01	9.84E+00	2.40E+01	U
WS	SWL-2	415434001	1/31/2017	Be-7	-6.51E+00	7.91E+00	2.52E+01	U
WS	SWL-2	415434001	1/31/2017	Ce-141	3.12E+00	2.61E+00	4.91E+00	U
WS	SWL-2	415434001	1/31/2017	Ce-144	6.25E-01	5.00E+00	1.67E+01	U
WS	SWL-2	415434001	1/31/2017	Co-57	-8.38E-02	6.47E-01	2.16E+00	U
WS	SWL-2	415434001	1/31/2017	Co-58	-4.44E-01	8.94E-01	2.79E+00	U
WS	SWL-2	415434001	1/31/2017	Co-60	-1.57E-02	6.57E-01	2.20E+00	U
WS	SWL-2	415434001	1/31/2017	Cr-51	7.61E+00	1.03E+01	3.33E+01	U
WS	SWL-2	415434001	1/31/2017	Cs-134	9.89E-01	9.45E-01	3.21E+00	U
WS	SWL-2	415434001	1/31/2017	Cs-137	1.25E-01	7.72E-01	2.59E+00	U
WS	SWL-2	415434001	1/31/2017	Fe-59	3.15E+00	2.21E+00	6.96E+00	U
WS	SWL-2	415434001	1/31/2017	I-131	7.26E+00	5.06E+00	1.63E+01	U
WS	SWL-2	415434001	1/31/2017	K-40	1.14E+01	1.48E+01	2.71E+01	U
WS	SWL-2	415434001	1/31/2017	La-140	7.00E-02	2.65E+00	7.73E+00	U
WS	SWL-2	415434001	1/31/2017	Mn-54	9.87E-01	7.47E-01	2.56E+00	U
WS	SWL-2	415434001	1/31/2017	Nb-95	-6.94E-01	1.29E+00	3.24E+00	U
WS	SWL-2	415434001	1/31/2017	Ru-103	-2.74E-02	1.00E+00	3.39E+00	U
WS	SWL-2	415434001	1/31/2017	Ru-106	1.22E-01	6.66E+00	2.22E+01	U
WS	SWL-2	415434001	1/31/2017	Sb-124	1.63E+00	1.94E+00	6.91E+00	U
WS	SWL-2	415434001	1/31/2017	Sb-125	1.39E+00	2.01E+00	7.02E+00	U
WS	SWL-2	415434001	1/31/2017	Se-75	5.28E-01	1.06E+00	3.44E+00	U
WS	SWL-2	415434001	1/31/2017	Th-228	4.46E+00	2.42E+00	5.54E+00	U
WS	SWL-2	415434001	1/31/2017	Zn-65	-4.18E-01	1.80E+00	5.58E+00	U
WS	SWL-2	415434001	1/31/2017	Zr-95	2.11E+00	1.66E+00	5.30E+00	U
WS	SWL-3	415434002	1/31/2017	Ac-228	-9.79E+00	5.18E+00	1.15E+01	U
WS	SWL-3	415434002	1/31/2017	Ag-108m	-6.52E-03	8.19E-01	2.66E+00	U
WS	SWL-3	415434002	1/31/2017	Ag-110m	-2.33E-01	1.11E+00	3.68E+00	U
WS	SWL-3	415434002	1/31/2017	Ba-140	2.03E+01	1.09E+01	3.54E+01	U
WS	SWL-3	415434002	1/31/2017	Be-7	2.97E+00	9.52E+00	2.81E+01	U
WS	SWL-3	415434002	1/31/2017	Ce-141	-2.74E+00	2.82E+00	7.39E+00	U
WS	SWL-3	415434002	1/31/2017	Ce-144	6.68E+00	6.20E+00	2.09E+01	U
WS	SWL-3	415434002	1/31/2017	Co-57	-1.29E-01	7.79E-01	2.63E+00	U
WS	SWL-3	415434002	1/31/2017	Co-58	-1.03E+00	9.28E-01	2.80E+00	U
WS	SWL-3	415434002	1/31/2017	Co-60	1.38E-01	8.58E-01	2.88E+00	U
WS	SWL-3	415434002	1/31/2017	Cr-51	1.93E+01	1.71E+01	3.61E+01	U
WS	SWL-3	415434002	1/31/2017	Cs-134	-1.13E+00	1.02E+00	3.11E+00	U
WS	SWL-3	415434002	1/31/2017	Cs-137	-3.93E-01	9.10E-01	2.80E+00	U
WS	SWL-3	415434002	1/31/2017	Fe-59	-8.47E-01	2.43E+00	7.90E+00	U
WS	SWL-3	415434002	1/31/2017	I-131	1.84E+01	7.23E+00	1.76E+01	UI
WS	SWL-3	415434002	1/31/2017	K-40	-1.48E+01	1.29E+01	3.48E+01	U
WS	SWL-3	415434002	1/31/2017	La-140	4.48E+00	3.47E+00	1.13E+01	U
WS	SWL-3	415434002	1/31/2017	Mn-54	1.62E+00	9.47E-01	3.26E+00	U
WS	SWL-3	415434002	1/31/2017	Nb-95	-9.06E-01	1.10E+00	3.52E+00	U
WS	SWL-3	415434002	1/31/2017	Ru-103	1.95E+00	1.17E+00	3.59E+00	U
WS	SWL-3	415434002	1/31/2017	Ru-106	-4.81E+00	8.69E+00	2.66E+01	U
WS	SWL-3	415434002	1/31/2017	Sb-124	-5.52E+00	3.37E+00	8.52E+00	U
WS	SWL-3	415434002	1/31/2017	Sb-125	1.22E+00	2.40E+00	7.96E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	415434002	1/31/2017	Se-75	-5.31E-01	1.18E+00	3.81E+00	U
WS	SWL-3	415434002	1/31/2017	Th-228	7.34E+00	3.83E+00	6.93E+00	UI
WS	SWL-3	415434002	1/31/2017	Zn-65	-7.23E-01	1.89E+00	6.11E+00	U
WS	SWL-3	415434002	1/31/2017	Zr-95	-1.16E+00	2.01E+00	6.04E+00	U
WS	SWL-2	417732001	2/28/2017	Ac-228	-1.13E+00	3.45E+00	1.02E+01	U
WS	SWL-2	417732001	2/28/2017	Ag-108m	1.16E-01	6.29E-01	1.96E+00	U
WS	SWL-2	417732001	2/28/2017	Ag-110m	2.02E+00	9.98E-01	3.43E+00	U
WS	SWL-2	417732001	2/28/2017	Ba-140	3.98E+00	7.09E+00	2.45E+01	U
WS	SWL-2	417732001	2/28/2017	Be-7	1.36E+01	8.11E+00	2.77E+01	U
WS	SWL-2	417732001	2/28/2017	Ce-141	-1.39E+00	2.07E+00	5.88E+00	U
WS	SWL-2	417732001	2/28/2017	Ce-144	-3.40E+00	4.37E+00	1.39E+01	U
WS	SWL-2	417732001	2/28/2017	Co-57	-2.15E-01	6.35E-01	2.10E+00	U
WS	SWL-2	417732001	2/28/2017	Co-58	-8.46E-01	9.13E-01	2.31E+00	U
WS	SWL-2	417732001	2/28/2017	Co-60	-6.95E-01	6.60E-01	1.88E+00	U
WS	SWL-2	417732001	2/28/2017	Cr-51	3.15E+00	1.02E+01	3.27E+01	U
WS	SWL-2	417732001	2/28/2017	Cs-134	4.06E-01	7.68E-01	2.60E+00	U
WS	SWL-2	417732001	2/28/2017	Cs-137	1.07E-01	6.97E-01	2.34E+00	U
WS	SWL-2	417732001	2/28/2017	Fe-59	9.21E-01	2.11E+00	6.24E+00	U
WS	SWL-2	417732001	2/28/2017	I-131	-6.12E+00	4.64E+00	1.27E+01	U
WS	SWL-2	417732001	2/28/2017	K-40	1.03E+01	1.22E+01	2.71E+01	U
WS	SWL-2	417732001	2/28/2017	La-140	-3.14E+00	2.61E+00	7.11E+00	U
WS	SWL-2	417732001	2/28/2017	Mn-54	8.68E-01	7.98E-01	2.72E+00	U
WS	SWL-2	417732001	2/28/2017	Nb-95	1.18E+00	1.52E+00	2.81E+00	U
WS	SWL-2	417732001	2/28/2017	Ru-103	-6.38E-01	1.00E+00	2.86E+00	U
WS	SWL-2	417732001	2/28/2017	Ru-106	-1.78E+00	6.41E+00	2.09E+01	U
WS	SWL-2	417732001	2/28/2017	Sb-124	-3.17E+00	2.23E+00	5.61E+00	U
WS	SWL-2	417732001	2/28/2017	Sb-125	5.79E-01	1.89E+00	5.94E+00	U
WS	SWL-2	417732001	2/28/2017	Se-75	3.24E-01	1.06E+00	3.41E+00	U
WS	SWL-2	417732001	2/28/2017	Th-228	2.42E-01	2.56E+00	4.25E+00	U
WS	SWL-2	417732001	2/28/2017	Zn-65	2.69E+00	1.72E+00	5.86E+00	U
WS	SWL-2	417732001	2/28/2017	Zr-95	1.45E+00	1.68E+00	5.24E+00	U
WS	SWL-3	417732002	2/28/2017	Ac-228	1.19E+00	4.13E+00	1.12E+01	U
WS	SWL-3	417732002	2/28/2017	Ag-108m	1.61E+00	7.88E-01	2.61E+00	U
WS	SWL-3	417732002	2/28/2017	Ag-110m	1.75E+00	1.34E+00	4.69E+00	U
WS	SWL-3	417732002	2/28/2017	Ba-140	-3.03E+00	9.48E+00	3.05E+01	U
WS	SWL-3	417732002	2/28/2017	Be-7	1.03E+01	8.57E+00	2.93E+01	U
WS	SWL-3	417732002	2/28/2017	Ce-141	1.04E+00	1.99E+00	6.50E+00	U
WS	SWL-3	417732002	2/28/2017	Ce-144	-1.46E+00	5.81E+00	1.86E+01	U
WS	SWL-3	417732002	2/28/2017	Co-57	-2.36E-01	7.71E-01	2.48E+00	U
WS	SWL-3	417732002	2/28/2017	Co-58	2.62E+00	1.24E+00	3.09E+00	U
WS	SWL-3	417732002	2/28/2017	Co-60	-2.78E-01	9.56E-01	3.05E+00	U
WS	SWL-3	417732002	2/28/2017	Cr-51	-1.33E+00	9.55E+00	3.23E+01	U
WS	SWL-3	417732002	2/28/2017	Cs-134	-1.47E+00	1.27E+00	3.05E+00	U
WS	SWL-3	417732002	2/28/2017	Cs-137	6.02E-01	9.18E-01	3.08E+00	U
WS	SWL-3	417732002	2/28/2017	Fe-59	3.11E+00	2.43E+00	8.49E+00	U
WS	SWL-3	417732002	2/28/2017	I-131	-2.18E+00	4.84E+00	1.59E+01	U
WS	SWL-3	417732002	2/28/2017	K-40	3.58E+01	1.41E+01	4.55E+01	U
WS	SWL-3	417732002	2/28/2017	La-140	2.10E+00	3.05E+00	1.05E+01	U
WS	SWL-3	417732002	2/28/2017	Mn-54	8.66E-01	8.44E-01	2.84E+00	U
WS	SWL-3	417732002	2/28/2017	Nb-95	6.43E-01	1.09E+00	3.60E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	417732002	2/28/2017	Ru-103	-7.70E-01	1.21E+00	3.81E+00	U
WS	SWL-3	417732002	2/28/2017	Ru-106	-6.43E+00	7.88E+00	2.37E+01	U
WS	SWL-3	417732002	2/28/2017	Sb-124	2.50E+00	2.69E+00	9.32E+00	U
WS	SWL-3	417732002	2/28/2017	Sb-125	1.17E+00	2.42E+00	8.23E+00	U
WS	SWL-3	417732002	2/28/2017	Se-75	2.46E-01	1.17E+00	3.68E+00	U
WS	SWL-3	417732002	2/28/2017	Th-228	1.83E+00	2.03E+00	5.86E+00	U
WS	SWL-3	417732002	2/28/2017	Zn-65	2.53E+00	1.18E+00	5.97E+00	U
WS	SWL-3	417732002	2/28/2017	Zr-95	-2.03E+00	2.00E+00	5.73E+00	U
WS	SWL-2	419705001	3/31/2017	Ac-228	-2.19E+00	4.12E+00	1.25E+01	U
WS	SWL-2	419705001	3/31/2017	Ag-108m	-3.44E-01	7.23E-01	2.35E+00	U
WS	SWL-2	419705001	3/31/2017	Ag-110m	-1.26E+00	1.20E+00	3.64E+00	U
WS	SWL-2	419705001	3/31/2017	Ba-140	-2.31E+01	1.23E+01	2.48E+01	U
WS	SWL-2	419705001	3/31/2017	Be-7	-3.74E+00	8.11E+00	2.61E+01	U
WS	SWL-2	419705001	3/31/2017	Ce-141	-3.34E-01	1.86E+00	6.03E+00	U
WS	SWL-2	419705001	3/31/2017	Ce-144	-3.64E+00	5.38E+00	1.70E+01	U
WS	SWL-2	419705001	3/31/2017	Co-57	-1.14E-01	7.14E-01	2.34E+00	U
WS	SWL-2	419705001	3/31/2017	Co-58	-7.03E-01	7.99E-01	2.25E+00	U
WS	SWL-2	419705001	3/31/2017	Co-60	-5.51E-01	8.06E-01	2.39E+00	U
WS	SWL-2	419705001	3/31/2017	Cr-51	-1.00E+01	1.06E+01	3.39E+01	U
WS	SWL-2	419705001	3/31/2017	Cs-134	-4.78E-01	8.60E-01	2.58E+00	U
WS	SWL-2	419705001	3/31/2017	Cs-137	-1.86E+00	9.48E-01	2.24E+00	U
WS	SWL-2	419705001	3/31/2017	Fe-59	-2.87E-01	2.04E+00	6.72E+00	U
WS	SWL-2	419705001	3/31/2017	I-131	5.38E+01	1.31E+01	1.30E+01	UI
WS	SWL-2	419705001	3/31/2017	K-40	-2.59E+01	1.53E+01	3.79E+01	U
WS	SWL-2	419705001	3/31/2017	La-140	6.09E+00	3.22E+00	1.14E+01	U
WS	SWL-2	419705001	3/31/2017	Mn-54	1.73E+00	9.28E-01	3.10E+00	U
WS	SWL-2	419705001	3/31/2017	Nb-95	9.98E-01	8.96E-01	3.05E+00	U
WS	SWL-2	419705001	3/31/2017	Ru-103	6.14E+00	2.57E+00	3.34E+00	UI
WS	SWL-2	419705001	3/31/2017	Ru-106	-3.47E-01	8.06E+00	2.34E+01	U
WS	SWL-2	419705001	3/31/2017	Sb-124	-2.29E-01	2.39E+00	7.58E+00	U
WS	SWL-2	419705001	3/31/2017	Sb-125	4.15E+00	2.35E+00	7.93E+00	U
WS	SWL-2	419705001	3/31/2017	Se-75	-8.59E-01	1.53E+00	3.90E+00	U
WS	SWL-2	419705001	3/31/2017	Th-228	1.33E+00	3.07E+00	6.16E+00	U
WS	SWL-2	419705001	3/31/2017	Zn-65	6.63E-01	1.88E+00	6.44E+00	U
WS	SWL-2	419705001	3/31/2017	Zr-95	9.78E-01	1.57E+00	5.25E+00	U
WS	SWL-2	419705002	3/31/2017	H-3	5.47E+02	4.08E+02	1.24E+03	U
WS	SWL-3	419705003	3/31/2017	Ac-228	-9.80E-01	4.36E+00	1.19E+01	U
WS	SWL-3	419705003	3/31/2017	Ag-108m	-7.74E-01	7.05E-01	2.16E+00	U
WS	SWL-3	419705003	3/31/2017	Ag-110m	-3.38E-01	1.28E+00	3.53E+00	U
WS	SWL-3	419705003	3/31/2017	Ba-140	-9.38E+00	7.57E+00	2.20E+01	U
WS	SWL-3	419705003	3/31/2017	Be-7	-1.04E+00	7.41E+00	2.45E+01	U
WS	SWL-3	419705003	3/31/2017	Ce-141	-1.81E+00	1.96E+00	5.98E+00	U
WS	SWL-3	419705003	3/31/2017	Ce-144	-5.00E+00	5.58E+00	1.57E+01	U
WS	SWL-3	419705003	3/31/2017	Co-57	1.50E-02	6.80E-01	2.22E+00	U
WS	SWL-3	419705003	3/31/2017	Co-58	-1.08E+00	8.13E-01	2.17E+00	U
WS	SWL-3	419705003	3/31/2017	Co-60	1.12E-02	7.75E-01	2.57E+00	U
WS	SWL-3	419705003	3/31/2017	Cr-51	8.47E+00	9.52E+00	3.29E+01	U
WS	SWL-3	419705003	3/31/2017	Cs-134	-1.83E+00	9.07E-01	2.06E+00	U
WS	SWL-3	419705003	3/31/2017	Cs-137	9.89E-01	1.63E+00	2.88E+00	U
WS	SWL-3	419705003	3/31/2017	Fe-59	4.00E+00	2.84E+00	6.26E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	419705003	3/31/2017	I-131	1.92E+01	9.25E+00	1.38E+01	UI
WS	SWL-3	419705003	3/31/2017	K-40	-2.78E+00	1.22E+01	3.76E+01	U
WS	SWL-3	419705003	3/31/2017	La-140	-2.81E+00	3.11E+00	7.53E+00	U
WS	SWL-3	419705003	3/31/2017	Mn-54	1.11E+00	8.32E-01	2.78E+00	U
WS	SWL-3	419705003	3/31/2017	Nb-95	7.79E-01	9.38E-01	2.86E+00	U
WS	SWL-3	419705003	3/31/2017	Ru-103	-2.18E+00	1.16E+00	3.08E+00	U
WS	SWL-3	419705003	3/31/2017	Ru-106	-5.19E+00	6.91E+00	2.11E+01	U
WS	SWL-3	419705003	3/31/2017	Sb-124	1.65E-01	2.36E+00	7.71E+00	U
WS	SWL-3	419705003	3/31/2017	Sb-125	6.43E-01	2.09E+00	7.11E+00	U
WS	SWL-3	419705003	3/31/2017	Se-75	2.67E-01	1.08E+00	3.40E+00	U
WS	SWL-3	419705003	3/31/2017	Th-228	2.91E+00	2.38E+00	4.45E+00	U
WS	SWL-3	419705003	3/31/2017	Zn-65	-3.29E-01	1.60E+00	5.27E+00	U
WS	SWL-3	419705003	3/31/2017	Zr-95	-4.60E-01	1.57E+00	4.93E+00	U
WS	SWL-3	419705004	3/31/2017	H-3	4.20E+01	3.76E+02	1.23E+03	U
WS	SWL-2	422051001	4/30/2017	Ac-228	-2.29E+00	2.76E+00	6.73E+00	U
WS	SWL-2	422051001	4/30/2017	Ag-108m	1.78E-01	3.84E-01	1.30E+00	U
WS	SWL-2	422051001	4/30/2017	Ag-110m	9.81E-02	6.42E-01	2.06E+00	U
WS	SWL-2	422051001	4/30/2017	Ba-140	-3.51E+00	4.71E+00	1.32E+01	U
WS	SWL-2	422051001	4/30/2017	Be-7	3.32E+00	4.55E+00	1.53E+01	U
WS	SWL-2	422051001	4/30/2017	Ce-141	1.78E+00	1.16E+00	3.33E+00	U
WS	SWL-2	422051001	4/30/2017	Ce-144	2.65E+00	3.11E+00	1.00E+01	U
WS	SWL-2	422051001	4/30/2017	Co-57	1.69E-01	4.12E-01	1.34E+00	U
WS	SWL-2	422051001	4/30/2017	Co-58	-5.37E-01	5.17E-01	1.53E+00	U
WS	SWL-2	422051001	4/30/2017	Co-60	-3.78E-01	5.32E-01	1.45E+00	U
WS	SWL-2	422051001	4/30/2017	Cr-51	-2.52E+00	5.21E+00	1.75E+01	U
WS	SWL-2	422051001	4/30/2017	Cs-134	2.82E-02	1.09E+00	1.59E+00	U
WS	SWL-2	422051001	4/30/2017	Cs-137	1.80E-01	4.53E-01	1.49E+00	U
WS	SWL-2	422051001	4/30/2017	Fe-59	-8.74E-01	1.00E+00	3.16E+00	U
WS	SWL-2	422051001	4/30/2017	I-131	9.17E-01	2.06E+00	7.03E+00	U
WS	SWL-2	422051001	4/30/2017	K-40	-1.41E+01	9.96E+00	2.32E+01	U
WS	SWL-2	422051001	4/30/2017	La-140	-2.76E+00	1.65E+00	4.43E+00	U
WS	SWL-2	422051001	4/30/2017	Mn-54	6.50E-01	4.65E-01	1.50E+00	U
WS	SWL-2	422051001	4/30/2017	Nb-95	1.35E-01	5.12E-01	1.67E+00	U
WS	SWL-2	422051001	4/30/2017	Ru-103	-1.35E+00	7.54E-01	1.88E+00	U
WS	SWL-2	422051001	4/30/2017	Ru-106	-2.05E+00	4.04E+00	1.29E+01	U
WS	SWL-2	422051001	4/30/2017	Sb-124	-1.98E+00	1.38E+00	3.81E+00	U
WS	SWL-2	422051001	4/30/2017	Sb-125	-1.32E+00	1.18E+00	3.68E+00	U
WS	SWL-2	422051001	4/30/2017	Se-75	-5.37E-02	6.41E-01	1.99E+00	U
WS	SWL-2	422051001	4/30/2017	Th-228	8.63E-01	1.70E+00	3.15E+00	U
WS	SWL-2	422051001	4/30/2017	Zn-65	6.04E-02	9.23E-01	3.12E+00	U
WS	SWL-2	422051001	4/30/2017	Zr-95	7.22E-01	8.54E-01	2.81E+00	U
WS	SWL-3	422051002	4/30/2017	Ac-228	9.46E+00	3.59E+00	6.82E+00	UI
WS	SWL-3	422051002	4/30/2017	Ag-108m	3.41E-01	3.91E-01	1.31E+00	U
WS	SWL-3	422051002	4/30/2017	Ag-110m	-5.35E-01	6.01E-01	1.92E+00	U
WS	SWL-3	422051002	4/30/2017	Ba-140	5.33E+00	4.57E+00	1.50E+01	U
WS	SWL-3	422051002	4/30/2017	Be-7	4.16E+00	4.47E+00	1.48E+01	U
WS	SWL-3	422051002	4/30/2017	Ce-141	3.30E-01	1.12E+00	3.59E+00	U
WS	SWL-3	422051002	4/30/2017	Ce-144	4.02E+00	3.37E+00	1.06E+01	U
WS	SWL-3	422051002	4/30/2017	Co-57	7.62E-02	4.48E-01	1.34E+00	U
WS	SWL-3	422051002	4/30/2017	Co-58	-3.21E-01	5.16E-01	1.70E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	422051002	4/30/2017	Co-60	4.59E-01	4.11E-01	1.39E+00	U
WS	SWL-3	422051002	4/30/2017	Cr-51	9.22E+00	9.69E+00	1.90E+01	U
WS	SWL-3	422051002	4/30/2017	Cs-134	4.27E-01	5.15E-01	1.66E+00	U
WS	SWL-3	422051002	4/30/2017	Cs-137	1.19E-01	4.61E-01	1.50E+00	U
WS	SWL-3	422051002	4/30/2017	Fe-59	4.25E-02	1.07E+00	3.58E+00	U
WS	SWL-3	422051002	4/30/2017	I-131	-5.02E-01	2.25E+00	7.51E+00	U
WS	SWL-3	422051002	4/30/2017	K-40	-2.83E+00	8.76E+00	2.15E+01	U
WS	SWL-3	422051002	4/30/2017	La-140	-4.66E-01	1.50E+00	4.72E+00	U
WS	SWL-3	422051002	4/30/2017	Mn-54	-1.69E-01	4.26E-01	1.42E+00	U
WS	SWL-3	422051002	4/30/2017	Nb-95	-4.05E-01	5.73E-01	1.75E+00	U
WS	SWL-3	422051002	4/30/2017	Ru-103	-8.30E-01	6.34E-01	1.90E+00	U
WS	SWL-3	422051002	4/30/2017	Ru-106	4.52E+00	4.60E+00	1.36E+01	U
WS	SWL-3	422051002	4/30/2017	Sb-124	1.17E+00	1.34E+00	4.44E+00	U
WS	SWL-3	422051002	4/30/2017	Sb-125	3.86E+00	1.56E+00	4.44E+00	U
WS	SWL-3	422051002	4/30/2017	Se-75	-1.01E-01	5.97E-01	2.03E+00	U
WS	SWL-3	422051002	4/30/2017	Th-228	-6.00E-01	1.41E+00	3.20E+00	U
WS	SWL-3	422051002	4/30/2017	Zn-65	-1.51E+00	1.01E+00	2.91E+00	U
WS	SWL-3	422051002	4/30/2017	Zr-95	-1.34E-02	9.51E-01	3.03E+00	U
WS	SWL-2	424586001	5/31/2017	Ac-228	2.44E+00	6.06E+00	1.90E+01	U
WS	SWL-2	424586001	5/31/2017	Ag-108m	3.15E-01	1.04E+00	3.45E+00	U
WS	SWL-2	424586001	5/31/2017	Ag-110m	5.79E-01	1.53E+00	4.77E+00	U
WS	SWL-2	424586001	5/31/2017	Ba-140	2.17E+01	1.92E+01	5.89E+01	U
WS	SWL-2	424586001	5/31/2017	Be-7	-1.58E+00	1.24E+01	3.98E+01	U
WS	SWL-2	424586001	5/31/2017	Ce-141	-5.11E+00	3.49E+00	9.50E+00	U
WS	SWL-2	424586001	5/31/2017	Ce-144	4.72E+00	8.99E+00	2.89E+01	U
WS	SWL-2	424586001	5/31/2017	Co-57	2.25E+00	1.69E+00	3.51E+00	U
WS	SWL-2	424586001	5/31/2017	Co-58	-7.80E-01	1.64E+00	4.50E+00	U
WS	SWL-2	424586001	5/31/2017	Co-60	1.10E+00	1.12E+00	4.08E+00	U
WS	SWL-2	424586001	5/31/2017	Cr-51	-3.09E+00	1.66E+01	5.46E+01	U
WS	SWL-2	424586001	5/31/2017	Cs-134	-2.13E+00	1.38E+00	3.52E+00	U
WS	SWL-2	424586001	5/31/2017	Cs-137	-9.26E-01	1.21E+00	3.77E+00	U
WS	SWL-2	424586001	5/31/2017	Fe-59	-1.35E+00	3.17E+00	9.80E+00	U
WS	SWL-2	424586001	5/31/2017	I-131	9.56E+00	7.45E+00	2.56E+01	U
WS	SWL-2	424586001	5/31/2017	K-40	1.70E+01	1.91E+01	3.40E+01	U
WS	SWL-2	424586001	5/31/2017	La-140	-5.56E+00	4.92E+00	1.33E+01	U
WS	SWL-2	424586001	5/31/2017	Mn-54	6.54E-01	1.01E+00	3.59E+00	U
WS	SWL-2	424586001	5/31/2017	Nb-95	-1.66E+00	1.78E+00	5.17E+00	U
WS	SWL-2	424586001	5/31/2017	Ru-103	-2.94E+00	2.19E+00	5.04E+00	U
WS	SWL-2	424586001	5/31/2017	Ru-106	-1.92E+00	1.11E+01	3.45E+01	U
WS	SWL-2	424586001	5/31/2017	Sb-124	2.66E+00	3.17E+00	1.18E+01	U
WS	SWL-2	424586001	5/31/2017	Sb-125	7.40E+00	6.23E+00	1.26E+01	U
WS	SWL-2	424586001	5/31/2017	Se-75	-5.21E-01	1.76E+00	5.83E+00	U
WS	SWL-2	424586001	5/31/2017	Th-228	-2.98E+00	3.12E+00	9.84E+00	U
WS	SWL-2	424586001	5/31/2017	Zn-65	6.26E+00	1.98E+00	5.31E+00	UI
WS	SWL-2	424586001	5/31/2017	Zr-95	-4.61E+00	2.95E+00	7.43E+00	U
WS	SWL-3	424586002	5/31/2017	Ac-228	-6.22E+00	4.99E+00	1.46E+01	U
WS	SWL-3	424586002	5/31/2017	Ag-108m	7.44E-01	8.97E-01	3.14E+00	U
WS	SWL-3	424586002	5/31/2017	Ag-110m	-2.38E+00	1.68E+00	4.33E+00	U
WS	SWL-3	424586002	5/31/2017	Ba-140	1.37E+01	9.57E+00	3.40E+01	U
WS	SWL-3	424586002	5/31/2017	Be-7	-1.55E+00	8.27E+00	2.74E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	424586002	5/31/2017	Ce-141	2.26E+00	2.30E+00	7.61E+00	U
WS	SWL-3	424586002	5/31/2017	Ce-144	-8.33E+00	6.43E+00	1.84E+01	U
WS	SWL-3	424586002	5/31/2017	Co-57	3.24E-02	8.37E-01	2.73E+00	U
WS	SWL-3	424586002	5/31/2017	Co-58	3.28E-02	9.83E-01	3.21E+00	U
WS	SWL-3	424586002	5/31/2017	Co-60	-6.07E-01	7.73E-01	2.21E+00	U
WS	SWL-3	424586002	5/31/2017	Cr-51	-1.41E+01	1.14E+01	3.44E+01	U
WS	SWL-3	424586002	5/31/2017	Cs-134	-4.63E-01	9.85E-01	3.01E+00	U
WS	SWL-3	424586002	5/31/2017	Cs-137	-7.21E-01	1.04E+00	3.17E+00	U
WS	SWL-3	424586002	5/31/2017	Fe-59	1.84E+00	2.08E+00	7.32E+00	U
WS	SWL-3	424586002	5/31/2017	I-131	4.36E+00	5.34E+00	1.88E+01	U
WS	SWL-3	424586002	5/31/2017	K-40	-3.15E+01	1.46E+01	3.80E+01	U
WS	SWL-3	424586002	5/31/2017	La-140	-7.52E-01	3.18E+00	1.02E+01	U
WS	SWL-3	424586002	5/31/2017	Mn-54	-1.97E-01	1.13E+00	3.59E+00	U
WS	SWL-3	424586002	5/31/2017	Nb-95	-1.46E+00	1.46E+00	3.63E+00	U
WS	SWL-3	424586002	5/31/2017	Ru-103	-5.75E-01	1.21E+00	3.90E+00	U
WS	SWL-3	424586002	5/31/2017	Ru-106	-6.66E+00	8.14E+00	2.43E+01	U
WS	SWL-3	424586002	5/31/2017	Sb-124	-2.48E+00	1.90E+00	3.71E+00	U
WS	SWL-3	424586002	5/31/2017	Sb-125	1.66E+00	2.62E+00	9.13E+00	U
WS	SWL-3	424586002	5/31/2017	Se-75	4.76E-01	1.41E+00	4.52E+00	U
WS	SWL-3	424586002	5/31/2017	Th-228	2.60E-01	2.54E+00	7.26E+00	U
WS	SWL-3	424586002	5/31/2017	Zn-65	9.32E-02	2.11E+00	6.02E+00	U
WS	SWL-3	424586002	5/31/2017	Zr-95	-7.00E-02	1.97E+00	6.42E+00	U
WS	SWL-2	427118001	6/30/2017	Ac-228	1.55E+01	3.74E+00	5.27E+00	UI
WS	SWL-2	427118001	6/30/2017	Ag-108m	3.98E-01	3.99E-01	1.30E+00	U
WS	SWL-2	427118001	6/30/2017	Ag-110m	-4.83E-01	6.23E-01	1.98E+00	U
WS	SWL-2	427118001	6/30/2017	Ba-140	7.00E+00	5.01E+00	1.60E+01	U
WS	SWL-2	427118001	6/30/2017	Be-7	5.19E+00	4.86E+00	1.57E+01	U
WS	SWL-2	427118001	6/30/2017	Ce-141	8.57E-01	2.08E+00	3.46E+00	U
WS	SWL-2	427118001	6/30/2017	Ce-144	4.22E-01	3.20E+00	1.01E+01	U
WS	SWL-2	427118001	6/30/2017	Co-57	-2.95E-01	4.24E-01	1.31E+00	U
WS	SWL-2	427118001	6/30/2017	Co-58	4.50E-01	4.89E-01	1.65E+00	U
WS	SWL-2	427118001	6/30/2017	Co-60	8.78E-01	5.37E-01	1.72E+00	U
WS	SWL-2	427118001	6/30/2017	Cr-51	1.78E+00	5.95E+00	1.99E+01	U
WS	SWL-2	427118001	6/30/2017	Cs-134	-2.56E-01	5.76E-01	1.54E+00	U
WS	SWL-2	427118001	6/30/2017	Cs-137	-1.15E+00	8.28E-01	1.59E+00	U
WS	SWL-2	427118001	6/30/2017	Fe-59	-2.73E+00	1.29E+00	3.28E+00	U
WS	SWL-2	427118001	6/30/2017	I-131	-9.23E-01	4.72E+00	8.94E+00	U
WS	SWL-2	427118001	6/30/2017	K-40	2.57E+01	1.16E+01	1.25E+01	UI
WS	SWL-2	427118001	6/30/2017	La-140	-2.02E+00	1.63E+00	4.91E+00	U
WS	SWL-2	427118001	6/30/2017	Mn-54	5.36E-01	4.45E-01	1.49E+00	U
WS	SWL-2	427118001	6/30/2017	Nb-95	1.18E+00	1.11E+00	1.71E+00	U
WS	SWL-2	427118001	6/30/2017	Ru-103	-1.40E-01	6.70E-01	1.91E+00	U
WS	SWL-2	427118001	6/30/2017	Ru-106	1.16E+00	4.19E+00	1.34E+01	U
WS	SWL-2	427118001	6/30/2017	Sb-124	1.33E+00	1.29E+00	4.39E+00	U
WS	SWL-2	427118001	6/30/2017	Sb-125	8.47E-01	1.17E+00	3.83E+00	U
WS	SWL-2	427118001	6/30/2017	Se-75	-1.37E-01	6.08E-01	2.04E+00	U
WS	SWL-2	427118001	6/30/2017	Th-228	2.43E+00	2.28E+00	3.60E+00	U
WS	SWL-2	427118001	6/30/2017	Zn-65	4.73E-01	1.05E+00	3.06E+00	U
WS	SWL-2	427118001	6/30/2017	Zr-95	1.15E+00	9.16E-01	3.08E+00	U
WS	SWL-2	427118002	6/30/2017	H-3	-3.03E+01	1.52E+02	5.02E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	427118003	6/30/2017	Ac-228	2.08E-01	3.81E+00	5.72E+00	U
WS	SWL-3	427118003	6/30/2017	Ag-108m	2.94E-01	3.33E-01	1.12E+00	U
WS	SWL-3	427118003	6/30/2017	Ag-110m	-2.66E-02	5.24E-01	1.67E+00	U
WS	SWL-3	427118003	6/30/2017	Ba-140	5.94E+00	4.28E+00	1.40E+01	U
WS	SWL-3	427118003	6/30/2017	Be-7	4.42E-01	3.93E+00	1.31E+01	U
WS	SWL-3	427118003	6/30/2017	Ce-141	-2.18E+00	1.05E+00	2.85E+00	U
WS	SWL-3	427118003	6/30/2017	Ce-144	-4.16E+00	2.71E+00	7.97E+00	U
WS	SWL-3	427118003	6/30/2017	Co-57	-8.86E-02	3.28E-01	1.06E+00	U
WS	SWL-3	427118003	6/30/2017	Co-58	-3.63E-01	4.29E-01	1.31E+00	U
WS	SWL-3	427118003	6/30/2017	Co-60	1.03E-01	3.59E-01	1.20E+00	U
WS	SWL-3	427118003	6/30/2017	Cr-51	-1.33E-01	4.83E+00	1.65E+01	U
WS	SWL-3	427118003	6/30/2017	Cs-134	2.29E-01	4.42E-01	1.37E+00	U
WS	SWL-3	427118003	6/30/2017	Cs-137	7.20E-01	9.81E-01	1.31E+00	U
WS	SWL-3	427118003	6/30/2017	Fe-59	-5.73E-01	9.33E-01	3.04E+00	U
WS	SWL-3	427118003	6/30/2017	I-131	1.27E+00	2.29E+00	7.78E+00	U
WS	SWL-3	427118003	6/30/2017	K-40	8.74E+00	1.01E+01	1.09E+01	U
WS	SWL-3	427118003	6/30/2017	La-140	-1.41E+00	1.29E+00	3.81E+00	U
WS	SWL-3	427118003	6/30/2017	Mn-54	3.37E-01	3.93E-01	1.27E+00	U
WS	SWL-3	427118003	6/30/2017	Nb-95	-2.23E-01	4.43E-01	1.39E+00	U
WS	SWL-3	427118003	6/30/2017	Ru-103	-2.10E-02	5.68E-01	1.69E+00	U
WS	SWL-3	427118003	6/30/2017	Ru-106	2.54E+00	3.40E+00	1.12E+01	U
WS	SWL-3	427118003	6/30/2017	Sb-124	3.88E-01	1.20E+00	3.47E+00	U
WS	SWL-3	427118003	6/30/2017	Sb-125	-2.58E-01	1.05E+00	3.50E+00	U
WS	SWL-3	427118003	6/30/2017	Se-75	2.47E-01	5.59E-01	1.75E+00	U
WS	SWL-3	427118003	6/30/2017	Th-228	3.63E-01	1.23E+00	2.80E+00	U
WS	SWL-3	427118003	6/30/2017	Zn-65	-1.32E+00	8.61E-01	2.31E+00	U
WS	SWL-3	427118003	6/30/2017	Zr-95	1.00E+00	8.24E-01	2.66E+00	U
WS	SWL-3	427118004	6/30/2017	H-3	-2.40E+02	1.49E+02	5.07E+02	U
WS	SWL-2	429340001	7/31/2017	Ac-228	6.57E+00	3.67E+00	7.98E+00	U
WS	SWL-2	429340001	7/31/2017	Ag-108m	-3.99E-02	4.85E-01	1.62E+00	U
WS	SWL-2	429340001	7/31/2017	Ag-110m	-7.25E-01	6.90E-01	2.01E+00	U
WS	SWL-2	429340001	7/31/2017	Ba-140	1.22E+00	4.83E+00	1.61E+01	U
WS	SWL-2	429340001	7/31/2017	Be-7	-4.97E+00	5.51E+00	1.74E+01	U
WS	SWL-2	429340001	7/31/2017	Ce-141	1.96E+00	2.38E+00	4.08E+00	U
WS	SWL-2	429340001	7/31/2017	Ce-144	4.98E+00	5.95E+00	1.36E+01	U
WS	SWL-2	429340001	7/31/2017	Co-57	-3.95E-01	5.66E-01	1.77E+00	U
WS	SWL-2	429340001	7/31/2017	Co-58	-1.66E+00	6.93E-01	1.57E+00	U
WS	SWL-2	429340001	7/31/2017	Co-60	1.03E+00	6.14E-01	2.06E+00	U
WS	SWL-2	429340001	7/31/2017	Cr-51	-1.59E+01	7.76E+00	2.20E+01	U
WS	SWL-2	429340001	7/31/2017	Cs-134	1.85E-01	5.63E-01	1.84E+00	U
WS	SWL-2	429340001	7/31/2017	Cs-137	3.13E-01	5.24E-01	1.74E+00	U
WS	SWL-2	429340001	7/31/2017	Fe-59	-3.41E-01	1.25E+00	4.19E+00	U
WS	SWL-2	429340001	7/31/2017	I-131	7.83E+00	3.40E+00	8.01E+00	U
WS	SWL-2	429340001	7/31/2017	K-40	-1.40E+01	1.42E+01	2.88E+01	U
WS	SWL-2	429340001	7/31/2017	La-140	-5.11E+00	2.31E+00	5.62E+00	U
WS	SWL-2	429340001	7/31/2017	Mn-54	3.17E-01	5.52E-01	1.80E+00	U
WS	SWL-2	429340001	7/31/2017	Nb-95	-4.37E-01	6.81E-01	2.12E+00	U
WS	SWL-2	429340001	7/31/2017	Ru-103	-1.39E+00	7.61E-01	2.14E+00	U
WS	SWL-2	429340001	7/31/2017	Ru-106	-4.30E+00	4.97E+00	1.54E+01	U
WS	SWL-2	429340001	7/31/2017	Sb-124	-7.55E-01	1.41E+00	4.40E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	429340001	7/31/2017	Sb-125	4.36E-01	1.54E+00	5.20E+00	U
WS	SWL-2	429340001	7/31/2017	Se-75	8.09E-01	9.00E-01	2.79E+00	U
WS	SWL-2	429340001	7/31/2017	Th-228	6.20E+00	3.08E+00	4.79E+00	UI
WS	SWL-2	429340001	7/31/2017	Zn-65	1.17E+00	1.21E+00	3.75E+00	U
WS	SWL-2	429340001	7/31/2017	Zr-95	-9.37E-01	1.16E+00	3.57E+00	U
WS	SWL-3	429340002	7/31/2017	Ac-228	2.18E-01	4.01E+00	8.15E+00	U
WS	SWL-3	429340002	7/31/2017	Ag-108m	-4.82E-03	4.51E-01	1.47E+00	U
WS	SWL-3	429340002	7/31/2017	Ag-110m	-1.87E-01	6.86E-01	2.25E+00	U
WS	SWL-3	429340002	7/31/2017	Ba-140	2.21E+01	1.30E+01	1.40E+01	UI
WS	SWL-3	429340002	7/31/2017	Be-7	8.71E-01	5.12E+00	1.67E+01	U
WS	SWL-3	429340002	7/31/2017	Ce-141	4.93E+00	1.57E+00	3.67E+00	UI
WS	SWL-3	429340002	7/31/2017	Ce-144	-4.63E-01	3.65E+00	1.15E+01	U
WS	SWL-3	429340002	7/31/2017	Co-57	-9.92E-02	4.98E-01	1.57E+00	U
WS	SWL-3	429340002	7/31/2017	Co-58	-7.60E-01	5.59E-01	1.67E+00	U
WS	SWL-3	429340002	7/31/2017	Co-60	-4.42E-01	5.30E-01	1.58E+00	U
WS	SWL-3	429340002	7/31/2017	Cr-51	-1.25E+00	6.53E+00	1.93E+01	U
WS	SWL-3	429340002	7/31/2017	Cs-134	4.71E-01	5.96E-01	2.02E+00	U
WS	SWL-3	429340002	7/31/2017	Cs-137	-6.34E-01	5.52E-01	1.74E+00	U
WS	SWL-3	429340002	7/31/2017	Fe-59	1.71E+00	1.32E+00	4.35E+00	U
WS	SWL-3	429340002	7/31/2017	I-131	1.81E+00	2.94E+00	7.06E+00	U
WS	SWL-3	429340002	7/31/2017	K-40	7.72E+00	1.63E+01	1.73E+01	U
WS	SWL-3	429340002	7/31/2017	La-140	-2.29E+00	1.83E+00	4.53E+00	U
WS	SWL-3	429340002	7/31/2017	Mn-54	-3.74E-01	5.07E-01	1.62E+00	U
WS	SWL-3	429340002	7/31/2017	Nb-95	5.85E-01	6.58E-01	2.00E+00	U
WS	SWL-3	429340002	7/31/2017	Ru-103	-7.24E-01	6.81E-01	2.05E+00	U
WS	SWL-3	429340002	7/31/2017	Ru-106	5.30E+00	4.63E+00	1.49E+01	U
WS	SWL-3	429340002	7/31/2017	Sb-124	1.98E+00	1.48E+00	5.07E+00	U
WS	SWL-3	429340002	7/31/2017	Sb-125	-1.43E+00	1.40E+00	4.31E+00	U
WS	SWL-3	429340002	7/31/2017	Se-75	1.43E+00	7.90E-01	2.51E+00	U
WS	SWL-3	429340002	7/31/2017	Th-228	-1.15E+00	1.92E+00	4.18E+00	U
WS	SWL-3	429340002	7/31/2017	Zn-65	-1.43E+00	1.21E+00	3.57E+00	U
WS	SWL-3	429340002	7/31/2017	Zr-95	-2.52E+00	1.47E+00	2.92E+00	U
WS	SWL-2	432145001	8/31/2017	Ac-228	-5.96E+00	3.73E+00	6.46E+00	U
WS	SWL-2	432145001	8/31/2017	Ag-108m	2.49E-01	3.61E-01	1.23E+00	U
WS	SWL-2	432145001	8/31/2017	Ag-110m	6.99E-01	6.73E-01	1.83E+00	U
WS	SWL-2	432145001	8/31/2017	Ba-140	-3.37E-01	4.23E+00	1.41E+01	U
WS	SWL-2	432145001	8/31/2017	Be-7	-2.78E+00	4.33E+00	1.42E+01	U
WS	SWL-2	432145001	8/31/2017	Ce-141	5.06E-01	1.17E+00	3.48E+00	U
WS	SWL-2	432145001	8/31/2017	Ce-144	-4.66E-01	3.18E+00	1.02E+01	U
WS	SWL-2	432145001	8/31/2017	Co-57	8.58E-01	4.53E-01	1.36E+00	U
WS	SWL-2	432145001	8/31/2017	Co-58	2.07E-01	4.58E-01	1.52E+00	U
WS	SWL-2	432145001	8/31/2017	Co-60	7.89E-01	4.74E-01	1.60E+00	U
WS	SWL-2	432145001	8/31/2017	Cr-51	4.43E+00	5.72E+00	1.96E+01	U
WS	SWL-2	432145001	8/31/2017	Cs-134	1.07E-01	4.27E-01	1.41E+00	U
WS	SWL-2	432145001	8/31/2017	Cs-137	3.94E-01	4.23E-01	1.41E+00	U
WS	SWL-2	432145001	8/31/2017	Fe-59	-6.71E-01	1.13E+00	3.49E+00	U
WS	SWL-2	432145001	8/31/2017	I-131	5.01E-01	2.41E+00	8.24E+00	U
WS	SWL-2	432145001	8/31/2017	K-40	-1.96E+01	9.76E+00	2.37E+01	U
WS	SWL-2	432145001	8/31/2017	La-140	-2.11E-01	1.30E+00	4.31E+00	U
WS	SWL-2	432145001	8/31/2017	Mn-54	-6.10E-01	4.32E-01	1.25E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	432145001	8/31/2017	Nb-95	-1.68E+00	8.75E-01	1.50E+00	U
WS	SWL-2	432145001	8/31/2017	Ru-103	-1.09E-01	5.05E-01	1.68E+00	U
WS	SWL-2	432145001	8/31/2017	Ru-106	-2.00E+00	3.69E+00	1.19E+01	U
WS	SWL-2	432145001	8/31/2017	Sb-124	-1.63E+00	1.18E+00	3.44E+00	U
WS	SWL-2	432145001	8/31/2017	Sb-125	1.30E+00	1.14E+00	3.82E+00	U
WS	SWL-2	432145001	8/31/2017	Se-75	1.01E-01	6.59E-01	2.07E+00	U
WS	SWL-2	432145001	8/31/2017	Th-228	1.36E+00	1.83E+00	2.65E+00	U
WS	SWL-2	432145001	8/31/2017	Zn-65	-4.93E-01	9.48E-01	2.59E+00	U
WS	SWL-2	432145001	8/31/2017	Zr-95	-3.32E-01	8.21E-01	2.64E+00	U
WS	SWL-3	432145002	8/31/2017	Ac-228	-2.59E+00	2.31E+00	5.42E+00	U
WS	SWL-3	432145002	8/31/2017	Ag-108m	6.13E-01	3.59E-01	1.13E+00	U
WS	SWL-3	432145002	8/31/2017	Ag-110m	-3.90E-01	4.96E-01	1.51E+00	U
WS	SWL-3	432145002	8/31/2017	Ba-140	-1.53E+00	7.12E+00	1.44E+01	U
WS	SWL-3	432145002	8/31/2017	Be-7	-3.94E+00	3.95E+00	1.25E+01	U
WS	SWL-3	432145002	8/31/2017	Ce-141	-1.48E+00	9.92E-01	2.91E+00	U
WS	SWL-3	432145002	8/31/2017	Ce-144	7.69E-01	2.64E+00	8.59E+00	U
WS	SWL-3	432145002	8/31/2017	Co-57	1.87E-01	3.36E-01	1.10E+00	U
WS	SWL-3	432145002	8/31/2017	Co-58	3.67E-01	4.20E-01	1.39E+00	U
WS	SWL-3	432145002	8/31/2017	Co-60	1.66E-02	3.37E-01	1.14E+00	U
WS	SWL-3	432145002	8/31/2017	Cr-51	-7.60E+00	6.89E+00	1.61E+01	U
WS	SWL-3	432145002	8/31/2017	Cs-134	9.63E-01	5.21E-01	1.28E+00	U
WS	SWL-3	432145002	8/31/2017	Cs-137	-6.32E-01	3.97E-01	1.13E+00	U
WS	SWL-3	432145002	8/31/2017	Fe-59	-7.40E-01	1.02E+00	3.08E+00	U
WS	SWL-3	432145002	8/31/2017	I-131	2.31E+00	2.72E+00	7.33E+00	U
WS	SWL-3	432145002	8/31/2017	K-40	1.00E+01	9.42E+00	1.31E+01	U
WS	SWL-3	432145002	8/31/2017	La-140	-1.54E+00	1.39E+00	4.16E+00	U
WS	SWL-3	432145002	8/31/2017	Mn-54	-2.08E-01	3.87E-01	1.22E+00	U
WS	SWL-3	432145002	8/31/2017	Nb-95	6.74E-01	4.62E-01	1.51E+00	U
WS	SWL-3	432145002	8/31/2017	Ru-103	2.22E-01	5.77E-01	1.76E+00	U
WS	SWL-3	432145002	8/31/2017	Ru-106	3.52E+00	3.56E+00	1.19E+01	U
WS	SWL-3	432145002	8/31/2017	Sb-124	-2.88E+00	1.33E+00	3.19E+00	U
WS	SWL-3	432145002	8/31/2017	Sb-125	-4.60E-01	9.81E-01	3.26E+00	U
WS	SWL-3	432145002	8/31/2017	Se-75	7.01E-01	5.57E-01	1.74E+00	U
WS	SWL-3	432145002	8/31/2017	Th-228	-1.97E-01	1.36E+00	2.86E+00	U
WS	SWL-3	432145002	8/31/2017	Zn-65	-1.58E+00	9.04E-01	2.32E+00	U
WS	SWL-3	432145002	8/31/2017	Zr-95	1.57E-01	8.07E-01	2.66E+00	U
WS	SWL-2	434059001	9/30/2017	Ac-228	9.19E+00	6.09E+00	8.74E+00	UI
WS	SWL-2	434059001	9/30/2017	Ag-108m	1.76E+00	1.99E+00	2.28E+00	U
WS	SWL-2	434059001	9/30/2017	Ag-110m	1.96E+00	1.03E+00	3.10E+00	U
WS	SWL-2	434059001	9/30/2017	Ba-140	-2.14E+00	8.11E+00	2.57E+01	U
WS	SWL-2	434059001	9/30/2017	Be-7	-2.28E+00	7.99E+00	2.55E+01	U
WS	SWL-2	434059001	9/30/2017	Ce-141	7.02E-01	2.27E+00	6.61E+00	U
WS	SWL-2	434059001	9/30/2017	Ce-144	-9.88E-01	5.80E+00	1.81E+01	U
WS	SWL-2	434059001	9/30/2017	Co-57	3.13E-01	8.70E-01	2.77E+00	U
WS	SWL-2	434059001	9/30/2017	Co-58	3.68E-01	7.77E-01	2.70E+00	U
WS	SWL-2	434059001	9/30/2017	Co-60	9.38E-01	8.96E-01	3.12E+00	U
WS	SWL-2	434059001	9/30/2017	Cr-51	8.36E+00	1.04E+01	3.51E+01	U
WS	SWL-2	434059001	9/30/2017	Cs-134	-1.18E+00	1.21E+00	3.01E+00	U
WS	SWL-2	434059001	9/30/2017	Cs-137	-9.15E-02	8.99E-01	2.84E+00	U
WS	SWL-2	434059001	9/30/2017	Fe-59	-1.27E+00	2.10E+00	6.52E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	434059001	9/30/2017	I-131	-2.30E+00	4.28E+00	1.37E+01	U
WS	SWL-2	434059001	9/30/2017	K-40	1.72E+00	1.88E+01	2.54E+01	U
WS	SWL-2	434059001	9/30/2017	La-140	-3.25E+00	3.38E+00	9.50E+00	U
WS	SWL-2	434059001	9/30/2017	Mn-54	3.21E-01	7.69E-01	2.65E+00	U
WS	SWL-2	434059001	9/30/2017	Nb-95	3.65E+00	1.94E+00	2.72E+00	UI
WS	SWL-2	434059001	9/30/2017	Ru-103	-9.16E-01	1.02E+00	3.06E+00	U
WS	SWL-2	434059001	9/30/2017	Ru-106	2.70E-01	7.31E+00	2.34E+01	U
WS	SWL-2	434059001	9/30/2017	Sb-124	-6.56E-01	2.40E+00	7.10E+00	U
WS	SWL-2	434059001	9/30/2017	Sb-125	-1.91E-01	2.11E+00	6.88E+00	U
WS	SWL-2	434059001	9/30/2017	Se-75	3.64E-01	1.18E+00	4.01E+00	U
WS	SWL-2	434059001	9/30/2017	Th-228	-1.55E+00	2.24E+00	6.72E+00	U
WS	SWL-2	434059001	9/30/2017	Zn-65	1.20E+00	1.95E+00	6.67E+00	U
WS	SWL-2	434059001	9/30/2017	Zr-95	-6.00E-01	1.68E+00	5.55E+00	U
WS	SWL-2	434059002	9/30/2017	H-3	6.40E+02	4.28E+02	1.29E+03	U
WS	SWL-3	434059003	9/30/2017	Ac-228	-3.51E-01	3.89E+00	1.07E+01	U
WS	SWL-3	434059003	9/30/2017	Ag-108m	2.21E-01	6.38E-01	2.14E+00	U
WS	SWL-3	434059003	9/30/2017	Ag-110m	7.36E-01	9.78E-01	3.44E+00	U
WS	SWL-3	434059003	9/30/2017	Ba-140	-1.14E+01	8.00E+00	2.21E+01	U
WS	SWL-3	434059003	9/30/2017	Be-7	1.01E+00	7.34E+00	2.43E+01	U
WS	SWL-3	434059003	9/30/2017	Ce-141	-2.95E+00	2.60E+00	5.81E+00	U
WS	SWL-3	434059003	9/30/2017	Ce-144	-2.70E+00	5.38E+00	1.67E+01	U
WS	SWL-3	434059003	9/30/2017	Co-57	9.21E-01	6.88E-01	2.20E+00	U
WS	SWL-3	434059003	9/30/2017	Co-58	6.21E-01	8.76E-01	3.07E+00	U
WS	SWL-3	434059003	9/30/2017	Co-60	8.91E-01	8.47E-01	2.96E+00	U
WS	SWL-3	434059003	9/30/2017	Cr-51	-3.93E+00	8.80E+00	2.89E+01	U
WS	SWL-3	434059003	9/30/2017	Cs-134	-8.12E-01	8.54E-01	2.64E+00	U
WS	SWL-3	434059003	9/30/2017	Cs-137	-1.03E+00	8.78E-01	2.47E+00	U
WS	SWL-3	434059003	9/30/2017	Fe-59	-6.74E-02	1.80E+00	5.94E+00	U
WS	SWL-3	434059003	9/30/2017	I-131	6.84E-01	3.64E+00	1.23E+01	U
WS	SWL-3	434059003	9/30/2017	K-40	-1.75E+01	1.47E+01	4.02E+01	U
WS	SWL-3	434059003	9/30/2017	La-140	6.24E+00	3.34E+00	1.08E+01	U
WS	SWL-3	434059003	9/30/2017	Mn-54	-5.71E-01	7.05E-01	2.20E+00	U
WS	SWL-3	434059003	9/30/2017	Nb-95	1.24E-01	1.09E+00	2.79E+00	U
WS	SWL-3	434059003	9/30/2017	Ru-103	-2.40E+00	1.12E+00	2.68E+00	U
WS	SWL-3	434059003	9/30/2017	Ru-106	3.27E+00	6.79E+00	2.25E+01	U
WS	SWL-3	434059003	9/30/2017	Sb-124	-1.35E+00	2.57E+00	6.43E+00	U
WS	SWL-3	434059003	9/30/2017	Sb-125	7.37E-01	2.11E+00	7.09E+00	U
WS	SWL-3	434059003	9/30/2017	Se-75	-5.56E-01	9.57E-01	3.15E+00	U
WS	SWL-3	434059003	9/30/2017	Th-228	-7.55E-01	1.99E+00	5.69E+00	U
WS	SWL-3	434059003	9/30/2017	Zn-65	4.08E-01	1.44E+00	4.74E+00	U
WS	SWL-3	434059003	9/30/2017	Zr-95	-2.24E+00	1.69E+00	4.49E+00	U
WS	SWL-3	434059004	9/30/2017	H-3	7.98E+02	4.19E+02	1.23E+03	U
WS	SWL-2	436990001	10/31/2017	Ac-228	-1.84E+00	4.60E+00	9.69E+00	U
WS	SWL-2	436990001	10/31/2017	Ag-108m	-4.77E-01	5.52E-01	1.71E+00	U
WS	SWL-2	436990001	10/31/2017	Ag-110m	1.70E-01	9.98E-01	3.37E+00	U
WS	SWL-2	436990001	10/31/2017	Ba-140	3.22E+00	7.42E+00	2.44E+01	U
WS	SWL-2	436990001	10/31/2017	Be-7	2.67E+00	6.74E+00	2.23E+01	U
WS	SWL-2	436990001	10/31/2017	Ce-141	1.55E+00	2.36E+00	4.12E+00	U
WS	SWL-2	436990001	10/31/2017	Ce-144	-2.57E-01	3.55E+00	1.13E+01	U
WS	SWL-2	436990001	10/31/2017	Co-57	-4.07E-01	4.59E-01	1.40E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	436990001	10/31/2017	Co-58	-3.32E-01	7.63E-01	2.50E+00	U
WS	SWL-2	436990001	10/31/2017	Co-60	-2.09E-01	6.26E-01	1.96E+00	U
WS	SWL-2	436990001	10/31/2017	Cr-51	4.28E+00	7.48E+00	2.54E+01	U
WS	SWL-2	436990001	10/31/2017	Cs-134	-2.08E-01	7.24E-01	2.41E+00	U
WS	SWL-2	436990001	10/31/2017	Cs-137	6.68E-01	7.45E-01	2.43E+00	U
WS	SWL-2	436990001	10/31/2017	Fe-59	-3.74E-01	1.85E+00	6.00E+00	U
WS	SWL-2	436990001	10/31/2017	I-131	-8.73E-01	4.03E+00	1.33E+01	U
WS	SWL-2	436990001	10/31/2017	K-40	2.30E+01	1.50E+01	1.99E+01	UI
WS	SWL-2	436990001	10/31/2017	La-140	-8.98E+00	3.72E+00	8.09E+00	U
WS	SWL-2	436990001	10/31/2017	Mn-54	-2.27E-01	6.70E-01	2.21E+00	U
WS	SWL-2	436990001	10/31/2017	Nb-95	-9.56E-01	1.45E+00	3.09E+00	U
WS	SWL-2	436990001	10/31/2017	Ru-103	-7.28E-01	9.17E-01	2.84E+00	U
WS	SWL-2	436990001	10/31/2017	Ru-106	5.75E+00	6.46E+00	2.11E+01	U
WS	SWL-2	436990001	10/31/2017	Sb-124	5.33E-01	1.90E+00	6.49E+00	U
WS	SWL-2	436990001	10/31/2017	Sb-125	-1.41E-01	1.78E+00	5.84E+00	U
WS	SWL-2	436990001	10/31/2017	Se-75	4.57E-01	8.02E-01	2.74E+00	U
WS	SWL-2	436990001	10/31/2017	Th-228	1.98E+00	2.09E+00	3.43E+00	U
WS	SWL-2	436990001	10/31/2017	Zn-65	-3.89E-01	1.53E+00	4.95E+00	U
WS	SWL-2	436990001	10/31/2017	Zr-95	1.79E-01	1.54E+00	5.24E+00	U
WS	SWL-3	436990002	10/31/2017	Ac-228	-4.76E+00	4.83E+00	9.79E+00	U
WS	SWL-3	436990002	10/31/2017	Ag-108m	-7.74E-01	7.29E-01	1.89E+00	U
WS	SWL-3	436990002	10/31/2017	Ag-110m	-7.25E-01	1.01E+00	3.08E+00	U
WS	SWL-3	436990002	10/31/2017	Ba-140	-3.75E+00	6.57E+00	2.14E+01	U
WS	SWL-3	436990002	10/31/2017	Be-7	6.28E+00	6.69E+00	2.29E+01	U
WS	SWL-3	436990002	10/31/2017	Ce-141	-1.03E+00	1.59E+00	4.81E+00	U
WS	SWL-3	436990002	10/31/2017	Ce-144	5.78E+00	4.39E+00	1.36E+01	U
WS	SWL-3	436990002	10/31/2017	Co-57	-3.31E-01	5.82E-01	1.79E+00	U
WS	SWL-3	436990002	10/31/2017	Co-58	-9.79E-02	8.08E-01	2.61E+00	U
WS	SWL-3	436990002	10/31/2017	Co-60	-3.36E-01	6.07E-01	1.89E+00	U
WS	SWL-3	436990002	10/31/2017	Cr-51	-1.82E+00	8.51E+00	2.76E+01	U
WS	SWL-3	436990002	10/31/2017	Cs-134	3.75E-02	6.86E-01	2.24E+00	U
WS	SWL-3	436990002	10/31/2017	Cs-137	-1.55E+00	7.74E-01	2.03E+00	U
WS	SWL-3	436990002	10/31/2017	Fe-59	-2.86E+00	1.83E+00	5.11E+00	U
WS	SWL-3	436990002	10/31/2017	I-131	2.14E-01	4.24E+00	1.38E+01	U
WS	SWL-3	436990002	10/31/2017	K-40	-2.26E+01	1.32E+01	3.06E+01	U
WS	SWL-3	436990002	10/31/2017	La-140	-9.71E-01	2.52E+00	7.83E+00	U
WS	SWL-3	436990002	10/31/2017	Mn-54	7.36E-01	8.70E-01	2.14E+00	U
WS	SWL-3	436990002	10/31/2017	Nb-95	-1.29E-01	7.72E-01	2.50E+00	U
WS	SWL-3	436990002	10/31/2017	Ru-103	-2.89E-01	1.00E+00	2.95E+00	U
WS	SWL-3	436990002	10/31/2017	Ru-106	-1.01E+01	6.37E+00	1.82E+01	U
WS	SWL-3	436990002	10/31/2017	Sb-124	3.36E-01	2.06E+00	6.97E+00	U
WS	SWL-3	436990002	10/31/2017	Sb-125	-3.45E+00	1.95E+00	5.21E+00	U
WS	SWL-3	436990002	10/31/2017	Se-75	9.13E-01	9.29E-01	3.08E+00	U
WS	SWL-3	436990002	10/31/2017	Th-228	9.24E-01	1.77E+00	4.67E+00	U
WS	SWL-3	436990002	10/31/2017	Zn-65	-2.93E+00	1.59E+00	4.22E+00	U
WS	SWL-3	436990002	10/31/2017	Zr-95	-3.41E-01	1.34E+00	4.32E+00	U
WS	SWL-2	439185001	11/30/2017	Ac-228	3.55E+00	4.08E+00	1.39E+01	U
WS	SWL-2	439185001	11/30/2017	Ag-108m	6.71E-01	9.36E-01	3.09E+00	U
WS	SWL-2	439185001	11/30/2017	Ag-110m	1.98E+00	1.63E+00	5.59E+00	U
WS	SWL-2	439185001	11/30/2017	Ba-140	1.46E+01	1.20E+01	4.17E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	439185001	11/30/2017	Be-7	-7.99E+00	1.24E+01	4.03E+01	U
WS	SWL-2	439185001	11/30/2017	Ce-141	-3.48E+00	2.80E+00	7.87E+00	U
WS	SWL-2	439185001	11/30/2017	Ce-144	-7.75E+00	7.67E+00	2.23E+01	U
WS	SWL-2	439185001	11/30/2017	Co-57	-1.22E+00	9.92E-01	2.82E+00	U
WS	SWL-2	439185001	11/30/2017	Co-58	2.45E+00	1.59E+00	5.39E+00	U
WS	SWL-2	439185001	11/30/2017	Co-60	-7.93E-01	1.28E+00	3.85E+00	U
WS	SWL-2	439185001	11/30/2017	Cr-51	-1.30E+01	1.44E+01	4.37E+01	U
WS	SWL-2	439185001	11/30/2017	Cs-134	5.73E+00	2.76E+00	4.45E+00	UI
WS	SWL-2	439185001	11/30/2017	Cs-137	4.23E-01	1.08E+00	3.68E+00	U
WS	SWL-2	439185001	11/30/2017	Fe-59	-3.46E-01	2.91E+00	9.60E+00	U
WS	SWL-2	439185001	11/30/2017	I-131	1.26E-01	6.71E+00	2.17E+01	U
WS	SWL-2	439185001	11/30/2017	K-40	5.04E+01	2.24E+01	3.20E+01	UI
WS	SWL-2	439185001	11/30/2017	La-140	4.14E+00	4.04E+00	1.43E+01	U
WS	SWL-2	439185001	11/30/2017	Mn-54	-1.85E-01	1.19E+00	3.80E+00	U
WS	SWL-2	439185001	11/30/2017	Nb-95	1.89E+00	1.27E+00	4.40E+00	U
WS	SWL-2	439185001	11/30/2017	Ru-103	8.06E+00	2.00E+00	4.45E+00	UI
WS	SWL-2	439185001	11/30/2017	Ru-106	-3.16E+00	9.36E+00	3.03E+01	U
WS	SWL-2	439185001	11/30/2017	Sb-124	4.26E+00	3.42E+00	1.25E+01	U
WS	SWL-2	439185001	11/30/2017	Sb-125	-1.00E+00	2.84E+00	8.80E+00	U
WS	SWL-2	439185001	11/30/2017	Se-75	1.04E-01	1.58E+00	4.72E+00	U
WS	SWL-2	439185001	11/30/2017	Th-228	9.48E+00	2.64E+00	4.93E+00	
WS	SWL-2	439185001	11/30/2017	Zn-65	-2.98E+00	2.75E+00	7.99E+00	U
WS	SWL-2	439185001	11/30/2017	Zr-95	2.79E+00	2.56E+00	8.77E+00	U
WS	SWL-3	439185002	11/30/2017	Ac-228	2.32E+00	4.63E+00	1.62E+01	U
WS	SWL-3	439185002	11/30/2017	Ag-108m	-2.56E-01	1.08E+00	3.44E+00	U
WS	SWL-3	439185002	11/30/2017	Ag-110m	4.83E+00	2.33E+00	8.26E+00	U
WS	SWL-3	439185002	11/30/2017	Ba-140	2.29E+01	1.68E+01	5.73E+01	U
WS	SWL-3	439185002	11/30/2017	Be-7	3.31E+00	1.26E+01	4.17E+01	U
WS	SWL-3	439185002	11/30/2017	Ce-141	-6.95E+00	3.62E+00	9.16E+00	U
WS	SWL-3	439185002	11/30/2017	Ce-144	4.60E+00	8.01E+00	2.59E+01	U
WS	SWL-3	439185002	11/30/2017	Co-57	-3.77E-01	1.02E+00	2.92E+00	U
WS	SWL-3	439185002	11/30/2017	Co-58	-1.97E+00	1.42E+00	3.66E+00	U
WS	SWL-3	439185002	11/30/2017	Co-60	9.05E-01	1.66E+00	5.69E+00	U
WS	SWL-3	439185002	11/30/2017	Cr-51	-8.50E+00	1.75E+01	5.62E+01	U
WS	SWL-3	439185002	11/30/2017	Cs-134	-2.25E+00	1.64E+00	4.42E+00	U
WS	SWL-3	439185002	11/30/2017	Cs-137	-9.02E-01	1.55E+00	4.55E+00	U
WS	SWL-3	439185002	11/30/2017	Fe-59	-1.86E+00	4.54E+00	1.42E+01	U
WS	SWL-3	439185002	11/30/2017	I-131	8.21E+00	6.94E+00	2.42E+01	U
WS	SWL-3	439185002	11/30/2017	K-40	4.55E+01	2.37E+01	4.08E+01	UI
WS	SWL-3	439185002	11/30/2017	La-140	-4.77E+00	5.02E+00	1.38E+01	U
WS	SWL-3	439185002	11/30/2017	Mn-54	9.44E-01	1.38E+00	4.87E+00	U
WS	SWL-3	439185002	11/30/2017	Nb-95	-2.22E+00	2.04E+00	5.67E+00	U
WS	SWL-3	439185002	11/30/2017	Ru-103	1.12E-01	1.94E+00	6.32E+00	U
WS	SWL-3	439185002	11/30/2017	Ru-106	6.36E-01	1.20E+01	3.83E+01	U
WS	SWL-3	439185002	11/30/2017	Sb-124	3.09E+00	4.17E+00	1.52E+01	U
WS	SWL-3	439185002	11/30/2017	Sb-125	5.39E-01	3.18E+00	1.06E+01	U
WS	SWL-3	439185002	11/30/2017	Se-75	1.86E-01	1.53E+00	5.22E+00	U
WS	SWL-3	439185002	11/30/2017	Th-228	9.99E-01	4.02E+00	8.68E+00	U
WS	SWL-3	439185002	11/30/2017	Zn-65	6.23E+00	4.43E+00	1.55E+01	U
WS	SWL-3	439185002	11/30/2017	Zr-95	3.01E+00	3.13E+00	1.12E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-2	440973001	12/31/2017	Ac-228	-1.51E+00	3.48E+00	8.35E+00	U
WS	SWL-2	440973001	12/31/2017	Ag-108m	-5.12E-02	4.42E-01	1.47E+00	U
WS	SWL-2	440973001	12/31/2017	Ag-110m	-1.30E-01	7.04E-01	2.21E+00	U
WS	SWL-2	440973001	12/31/2017	Ba-140	5.68E+00	6.42E+00	2.16E+01	U
WS	SWL-2	440973001	12/31/2017	Be-7	1.33E+00	5.68E+00	1.90E+01	U
WS	SWL-2	440973001	12/31/2017	Ce-141	-3.48E+00	2.21E+00	4.52E+00	U
WS	SWL-2	440973001	12/31/2017	Ce-144	-4.90E+00	3.88E+00	1.15E+01	U
WS	SWL-2	440973001	12/31/2017	Co-57	1.51E+00	8.00E-01	1.62E+00	U
WS	SWL-2	440973001	12/31/2017	Co-58	-8.94E-01	7.32E-01	2.09E+00	U
WS	SWL-2	440973001	12/31/2017	Co-60	3.04E-01	5.12E-01	1.75E+00	U
WS	SWL-2	440973001	12/31/2017	Cr-51	4.95E+00	7.58E+00	2.60E+01	U
WS	SWL-2	440973001	12/31/2017	Cs-134	-1.08E-01	6.20E-01	1.97E+00	U
WS	SWL-2	440973001	12/31/2017	Cs-137	7.27E-01	5.44E-01	1.80E+00	U
WS	SWL-2	440973001	12/31/2017	Fe-59	9.29E-02	1.34E+00	4.01E+00	U
WS	SWL-2	440973001	12/31/2017	I-131	2.31E+00	3.76E+00	1.28E+01	U
WS	SWL-2	440973001	12/31/2017	K-40	-7.99E+00	9.99E+00	2.96E+01	U
WS	SWL-2	440973001	12/31/2017	La-140	-4.33E+00	2.46E+00	6.11E+00	U
WS	SWL-2	440973001	12/31/2017	Mn-54	-2.09E-01	5.36E-01	1.58E+00	U
WS	SWL-2	440973001	12/31/2017	Nb-95	6.36E-01	7.00E-01	2.30E+00	U
WS	SWL-2	440973001	12/31/2017	Ru-103	8.80E-01	8.05E-01	2.46E+00	U
WS	SWL-2	440973001	12/31/2017	Ru-106	-2.84E+00	4.76E+00	1.49E+01	U
WS	SWL-2	440973001	12/31/2017	Sb-124	-1.33E+00	1.61E+00	4.75E+00	U
WS	SWL-2	440973001	12/31/2017	Sb-125	-9.55E-01	1.43E+00	4.59E+00	U
WS	SWL-2	440973001	12/31/2017	Se-75	-7.75E-01	7.77E-01	2.52E+00	U
WS	SWL-2	440973001	12/31/2017	Th-228	3.79E+00	2.13E+00	4.13E+00	U
WS	SWL-2	440973001	12/31/2017	Zn-65	5.57E-01	1.10E+00	3.77E+00	U
WS	SWL-2	440973001	12/31/2017	Zr-95	1.53E+00	1.14E+00	3.78E+00	U
WS	SWL-2	440973002	12/31/2017	H-3	-2.35E+02	4.15E+02	1.40E+03	U
WS	SWL-3	440973003	12/31/2017	Ac-228	4.77E+00	4.33E+00	8.14E+00	U
WS	SWL-3	440973003	12/31/2017	Ag-108m	-1.44E-01	3.97E-01	1.32E+00	U
WS	SWL-3	440973003	12/31/2017	Ag-110m	-2.13E-01	6.36E-01	2.01E+00	U
WS	SWL-3	440973003	12/31/2017	Ba-140	-3.08E+00	5.35E+00	1.73E+01	U
WS	SWL-3	440973003	12/31/2017	Be-7	2.01E+00	4.54E+00	1.55E+01	U
WS	SWL-3	440973003	12/31/2017	Ce-141	-8.10E-01	1.33E+00	3.86E+00	U
WS	SWL-3	440973003	12/31/2017	Ce-144	8.08E+00	3.66E+00	1.08E+01	U
WS	SWL-3	440973003	12/31/2017	Co-57	5.26E-02	4.07E-01	1.33E+00	U
WS	SWL-3	440973003	12/31/2017	Co-58	-2.62E-01	5.73E-01	1.81E+00	U
WS	SWL-3	440973003	12/31/2017	Co-60	-6.93E-01	4.82E-01	1.37E+00	U
WS	SWL-3	440973003	12/31/2017	Cr-51	-8.32E-01	6.06E+00	2.08E+01	U
WS	SWL-3	440973003	12/31/2017	Cs-134	-4.21E-01	4.96E-01	1.51E+00	U
WS	SWL-3	440973003	12/31/2017	Cs-137	-5.81E-01	4.86E-01	1.45E+00	U
WS	SWL-3	440973003	12/31/2017	Fe-59	-1.89E+00	1.26E+00	3.30E+00	U
WS	SWL-3	440973003	12/31/2017	I-131	-8.33E-01	3.35E+00	1.13E+01	U
WS	SWL-3	440973003	12/31/2017	K-40	1.14E+01	1.09E+01	1.51E+01	U
WS	SWL-3	440973003	12/31/2017	La-140	1.07E+00	1.91E+00	6.56E+00	U
WS	SWL-3	440973003	12/31/2017	Mn-54	-4.67E-01	4.81E-01	1.44E+00	U
WS	SWL-3	440973003	12/31/2017	Nb-95	-3.72E-01	5.68E-01	1.77E+00	U
WS	SWL-3	440973003	12/31/2017	Ru-103	-6.96E-02	6.30E-01	2.11E+00	U
WS	SWL-3	440973003	12/31/2017	Ru-106	-1.59E+00	4.32E+00	1.40E+01	U
WS	SWL-3	440973003	12/31/2017	Sb-124	5.89E-01	1.23E+00	4.22E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAGS
WS	SWL-3	440973003	12/31/2017	Sb-125	9.53E-01	1.27E+00	4.34E+00	U
WS	SWL-3	440973003	12/31/2017	Se-75	-5.76E-01	7.11E-01	2.13E+00	U
WS	SWL-3	440973003	12/31/2017	Th-228	7.11E-01	1.84E+00	3.70E+00	U
WS	SWL-3	440973003	12/31/2017	Zn-65	-1.42E+00	1.07E+00	2.89E+00	U
WS	SWL-3	440973003	12/31/2017	Zr-95	-1.10E+00	1.41E+00	3.29E+00	U
WS	SWL-3	440973004	12/31/2017	H-3	-1.98E+02	4.13E+02	1.39E+03	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 2017 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 millirem 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 2017 indicates no groundwater contamination in excess of the reporting threshold of 2.00E-05 uCi/mL for tritium. Gamma spectroscopy was performed on all Radiological Environmental Monitoring Program wells quarterly. There were no positively identified radionuclides from plant effluents detected in any of the GPI well samples, and two wells with trace levels of tritium just above detection limits.

The LLD value used for tritium counting of the samples varied between 9.42E-07 and 9.98E-07 uCi/mL, depending on which scintillation counter was used. This is well below the required maximum LLD value of 2.00E-06 uCi/mL per the ODCM.

While no valid tritium values were found above the maximum required LLD, 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 2017 results were expected considering the reduction in tritium released to the Absorption Pond and typical rainfall 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 2017 continue to reflect normal expectations and behaviors as they relate to recaptured tritium for the weather conditions observed in 2017. 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. Well W-5 lies just west of the turbine building also in close proximity to the plant vent stacks, and indicated low level tritium a single time during a period of snow melt. Subsequent sampling of W-5 indicated no tritium values above the maximum required LLD.

The sample data indicates that no radioactive spills or unidentified leaks have occurred in 2017 impacting 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.

2017 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
01/18/2017	<LLD*							
01/19/2017		<LLD	<LLD					
03/30/2017				<LLD	<LLD	<LLD	<LLD	<LLD
04/21/2017				<LLD	<LLD	<LLD*		
04/24/2017							<LLD	<LLD
05/05/2017	<LLD	<LLD	<LLD					
08/07/2017				<LLD	<LLD	<LLD	<LLD	<LLD
09/23/2017	<LLD	<LLD	<LLD*					
10/07/2017	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD		
11/17/2017	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD		
11/25/2017							<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.)

2017 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
03/30/2017	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
04/24/2017	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
08/07/2017	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
11/25/2017	<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.)

2017 GPI Sample Data

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
01/11/2017					<LLD			
01/19/2017	<LLD	<LLD	<LLD	<LLD		<LLD	<LLD	
04/04/2017	<LLD	<LLD	<LLD	<LLD	<LLD			
04/05/2017						<LLD	<LLD	
07/11/2017					<LLD			
07/13/2017	<LLD	<LLD	<LLD	<LLD				
07/14/2017						<LLD	<LLD	
10/02/2017					<LLD			
10/03/2017							<LLD	
10/05/2017						<LLD		
11/26/2017								<LLD

2017 GPI Sample Data

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
01/03/2017	<LLD		<LLD	1.14E-06	<LLD
02/02/2017	<LLD		<LLD	1.53E-06*	<LLD
03/07/2017	<LLD	<LLD	<LLD	1.69E-06	<LLD
04/24/2017	<LLD	<LLD	<LLD	1.10E-06	<LLD
05/19/2017		<LLD			
05/31/2017				9.84E-07	<LLD
06/09/2017	<LLD	<LLD	<LLD	1.07E-06	<LLD
08/08/2017	<LLD	<LLD	<LLD	<LLD*	<LLD
09/21/2017	<LLD	<LLD	<LLD	9.86E-07	<LLD
11/08/2017	<LLD			<LLD	<LLD
11/21/2017		<LLD			
12/04/2017	<LLD	<LLD		<LLD	<LLD

On 10/20-22 of 2015, MW-28 and MW-29 were installed to monitor each unit's Refueling Water Storage Tank (RWST) for leaks to the groundwater.

(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.)

2017 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
01/03/2017							<LLD	<LLD
01/09/2017				<LLD	<LLD	<LLD		
01/16/2017	<LLD		<LLD					
01/19/2017		<LLD						
02/02/2017						<LLD		
03/09/2017						<LLD		
04/03/2017	<LLD							<LLD
04/04/2017			<LLD				<LLD	
04/05/2017		<LLD						
04/17/2017				<LLD	1.11E-06	<LLD		
05/19/2017					<LLD			
06/09/2017						<LLD		
07/13/2017		<LLD	<LLD					
07/14/2017	<LLD						<LLD	
07/19/2017				<LLD	<LLD	<LLD		
08/08/2017				<LLD				
09/13/2017				<LLD				
10/03/2017			<LLD					
10/05/2017	<LLD						<LLD	<LLD
10/07/2017		<LLD						
10/10/2017				<LLD	<LLD	<LLD		
11/21/2017				<LLD				
12/04/2017						<LLD		

Date	W-9	W-10	W-11	W-12	W-13	W-14	W-15	N/A
01/03/2017					<LLD	<LLD		
01/16/2017	<LLD	<LLD	<LLD					
01/18/2017							<LLD	
01/19/2017				<LLD				
04/03/2017		<LLD	<LLD					
04/04/2017					<LLD	<LLD		
04/05/2017	<LLD			<LLD			<LLD	
07/13/2017	<LLD							
07/14/2017		<LLD	<LLD	<LLD	<LLD	<LLD		
07/19/2017							<LLD	
10/05/2017	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD		
10/07/2017							<LLD	