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U. S. Nuclear Regulatory Commission  
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Donald C. Cook Nuclear Plant Units 1 and 2  
ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

In accordance with Technical Specification 5.6.2, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant Units 1 and 2, is providing the Annual Radiological Environmental Operating Report as an enclosure to this letter. This report covers the period of January 1, 2019, through December 31, 2019.

This letter contains no new regulatory commitments. Should you have any questions, please contact me at (269) 466-2649.

Sincerely,

Michael K. Scarpello  
Regulatory Affairs Director

MPH/ml

Enclosure: Annual Radiological Environmental Operating Report

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**Enclosure to AEP-NRC-2020-29**

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, 2019 – December 31, 2019**

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

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## 1.0 EXECUTIVE SUMMARY

Implementation of the Donald C. Cook Nuclear Plant (CNP) Radiological Environmental Monitoring Program (REMP) continued during the period January through December 2019, in accordance with station Technical Specifications and the Off-Site Dose Calculation Manual (ODCM).

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

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

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

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

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

- All four of the lake sediment samples contained Potassium-40 (K-40) and Thorium-228 (Th-228), and two sample contained Actinium-228 (Ac-228).
- K-40 was detected in all seven REMP fish samples and a trace level of Cesium-137 (Cs-137) was observed in one indicator and one control station sample.
- Both indicator and control food products samples contained K-40 and Beryllium-7 (Be-7). All samples of broadleaf vegetation contained K-40 and Be-7.
- Four of 141 water samples (drinking, ground, and surface) indicated the presence of K-40. Ac-228 was detected in one surface water sample. Tritium was not detected in any of the 83 water samples.



- All air particulate samples for all quarterly composites contained Be-7; one contained K-40.

No sample analysis results exceeded or approached specified reporting levels.

During preparation of this report, while updating visual aids, it was noted that one of the graphs had not included a groundwater well (W-15) for the past several years. This was an administrative error with no impact to the program effectiveness as the well location, sampling, and analysis results are accounted for in all other applicable sections of this report and all past reports. Section 8.0, ERRATA, provides details of this event.

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

## 2.0 INTRODUCTION

### 2.1 General Plant Site Information

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

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

### 2.2 Program Design

The REMP for CNP was designed with specific objectives:

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

The program was developed to meet the intent of Nuclear Regulatory Commission (NRC) Regulatory Guide 4.1 (Revision 1), "Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants"; NRC Regulatory Guide

4.8, "Environmental Technical Specifications for Nuclear Power Plants"; the NRC Branch Technical Position of November 1979, "An Acceptable Radiological Environmental Monitoring Program"; and NRC NUREG-0472, "Standard Radiological Effluent Technical Specifications for Pressurized Water Reactors."

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

### 2.3 Monitoring Zones

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

### 2.4 Pathways Monitored

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

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

### 2.5 Descriptions of Monitoring Pathways

Sample types and frequency of analysis are given in Table 2.1. The sample locations are listed in Table 2.2 and shown in Figures 2.1 – 2.3. The program as described in this report includes both ODCM required and additional or informational samples. A description of the ODCM sampling program follows,

and a detailed summary of the analytical methodologies employed by GEL Laboratories is provided in Appendix A.

#### 2.5.1 Air

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

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

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

#### 2.5.2 Surface Water

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

#### 2.5.3 Groundwater

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

#### 2.5.4 Drinking Water

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

### 2.5.5 Sediment

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

### 2.5.6 Milk

Due to the retirement of several milk farms, the required number of indicator milk locations was not met in 2019. 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 on three occasions at two indicator locations and on one occasion at two control locations using hook and line 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. Due to the change in 2019 from gill net to hook and line fishing, and the fact that all REMP samples were of sport fish, no non-REMP sport fish samples were taken.

### 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 2019 during the growing season (June – October, when available). Three samples consisting of greater than 300 grams of media were collected monthly during the growing season from two different sectors within 5 miles of the plant in the highest deposition factor land sectors with media present, and one sample of similar vegetation grown 10-20 miles from the plant in one of the less prevalent deposition factor land sectors. Samples were analyzed for gamma-emitting radionuclides and low level I-131.

#### 2.5.10 TLD Monitoring

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

#### 2.5.11 Additional Groundwater Sample Analysis (non-ODCM required)

During 2019, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations in 2019 and analyzed for gamma and tritium by GEL laboratories. They may also be analyzed for gross beta and gross alpha.

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

During 2019, additional groundwater samples not required by the ODCM were collected for informational purposes. These samples were collected at several onsite locations in 2019 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 and 26\*, Attachment 3.19 and  
 12-THP-6010-RPP-636 Rev. 5 and 6\*\*

	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

\* Revision 26 became effective in April, so both revisions were in effect for portions of the year.

\*\* Revision 6 became effective in July, so both versions were in effect for portions of the year.

Table 2.2

**2019 Radiological Environmental Monitoring Program  
Sampling Types and Locations**

Exposure Pathway (Sample Type Designation)	Sample Station	Indicator/ Control	Location Description
<b>Airborne</b>			
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
<b>Waterborne</b>			
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
<b>Ingestion</b>			
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	Various distances N, Lake Michigan, in areas not influenced by plant discharge.
	OFS-S	C	Various distances S, Lake Michigan, in areas not influenced by plant discharge.
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 2019



**Table 2.2**  
**2019 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 and 26, Attachment 3.20**

<b>Analysis</b>	<b>Food Prod. (pCi/kg, wet)</b>	<b>Water (pCi/L)</b>	<b>Milk (pCi/L)</b>	<b>Air Filter (pCi/m<sup>3</sup>)</b>	<b>Fish (pCi/kg, wet)</b>	<b>Sediment (pCi/kg, dry)</b>
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 and 26, Attachment 3.21

Analysis	Food Prod. (pCi/kg, wet)	Water (pCi/L)	Milk (pCi/L)	Airborne Filter (pCi/m <sup>3</sup> )	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)

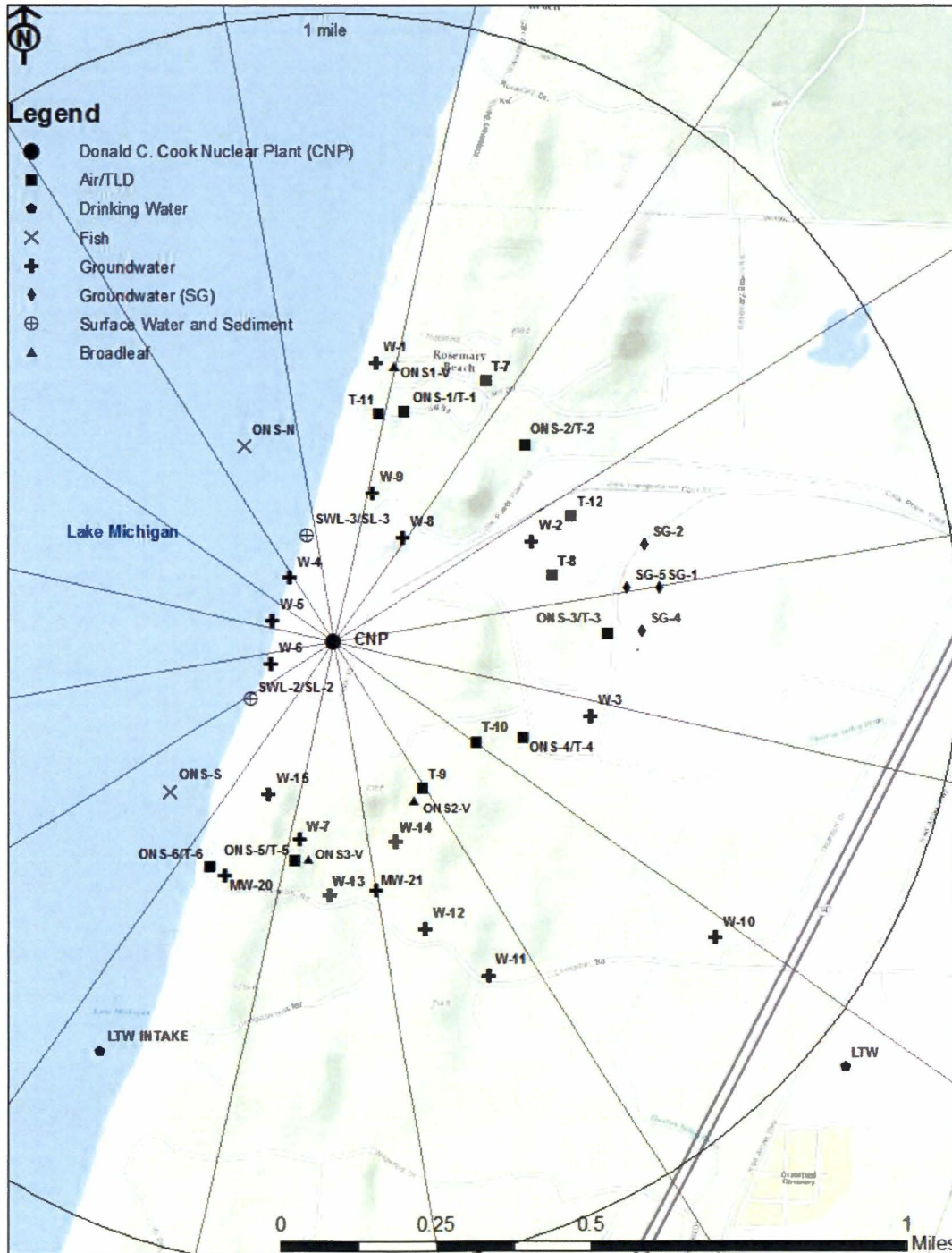
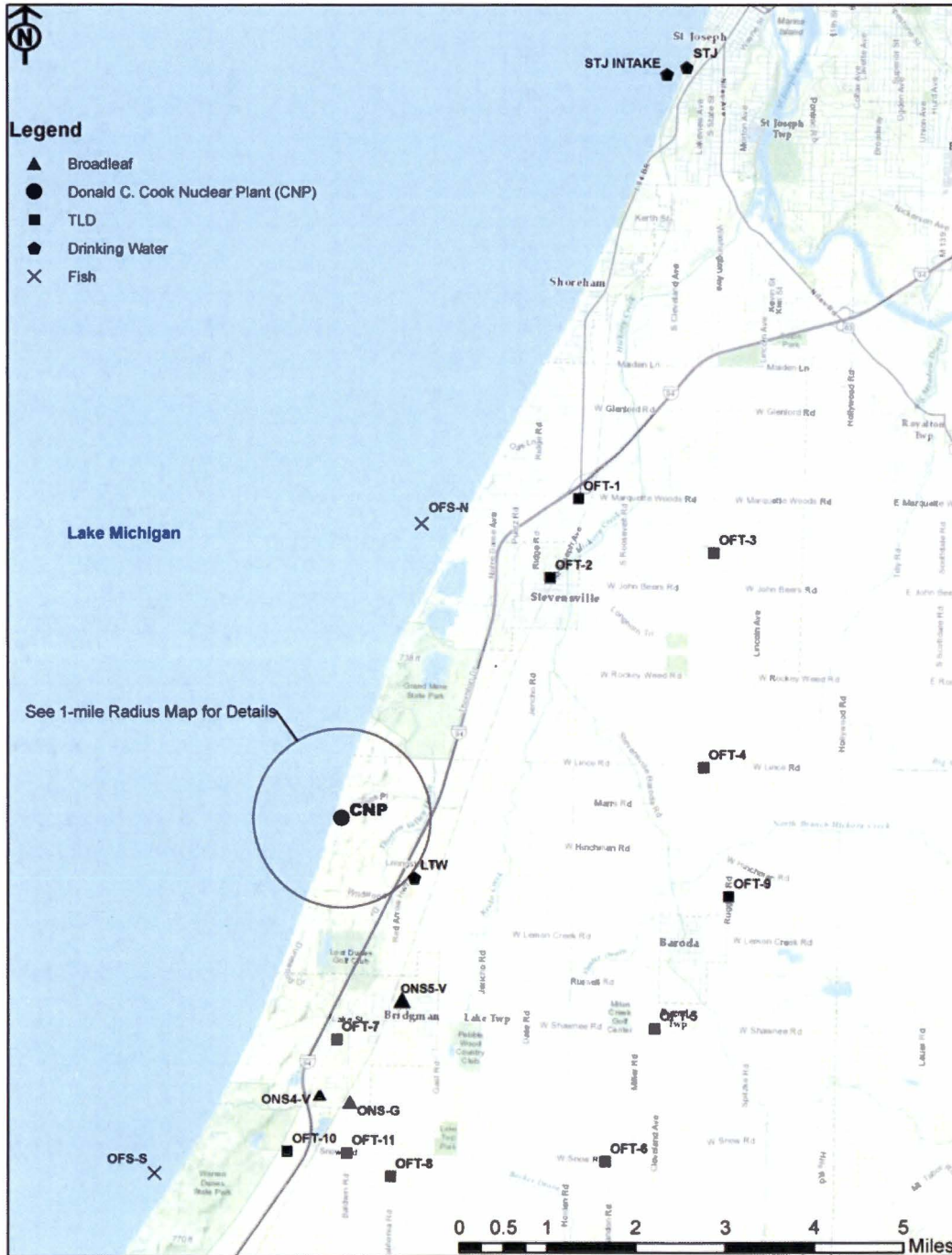


Figure 2.2

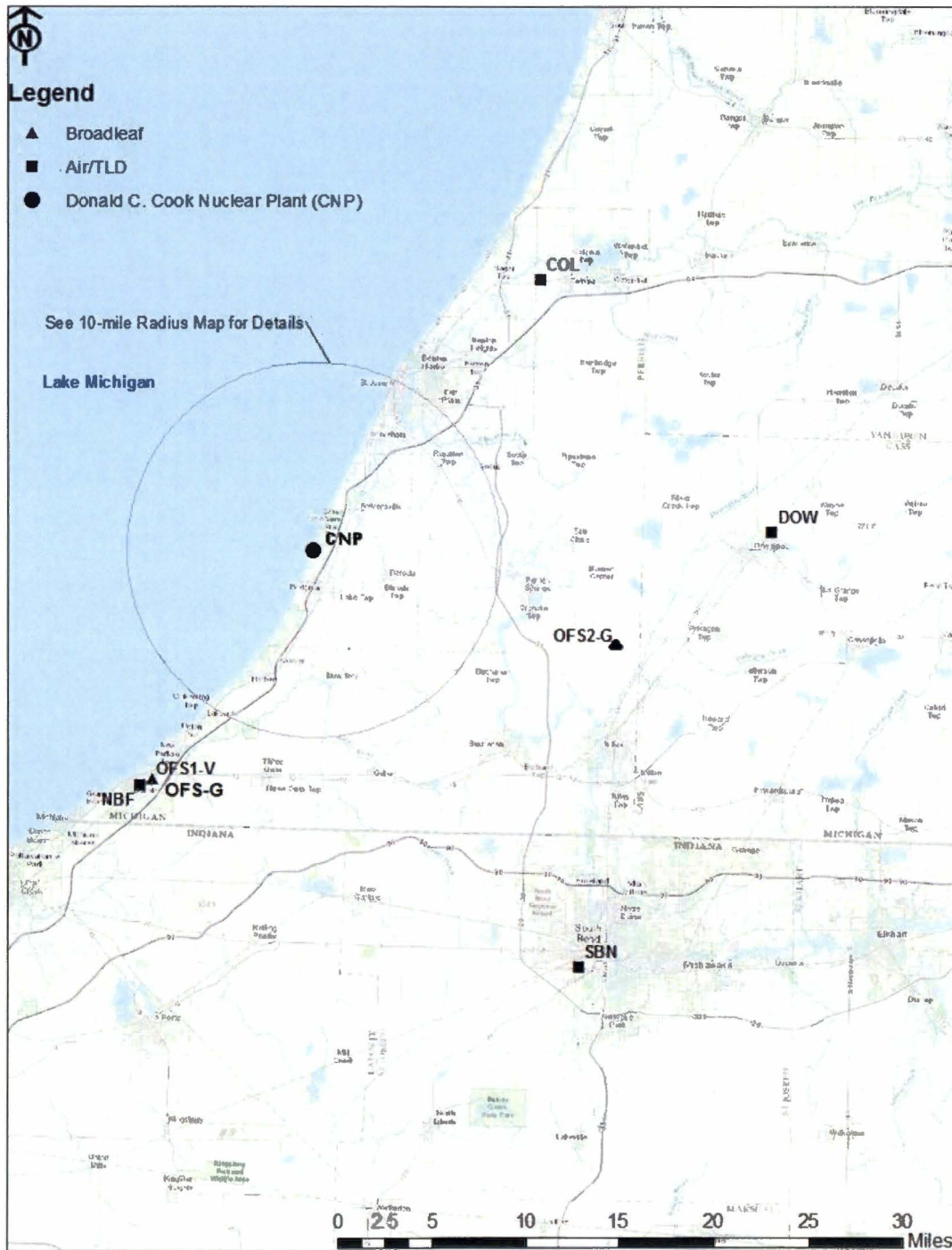
Donald C. Cook Nuclear Plant Sampling Locations - 10 Mile Radius  
 (See Table 2.2 for information on sampling locations)



Note: Offsite fish samples will be taken at various locations and distances from the plant, in areas not influenced by plant discharge. Offsite fish locations shown are examples.

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 2019

Table 2.5 below summarizes the number of samples of each type analyzed during the 2019 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 2019

Sample Type	Number of REMP Samples		
	Total	Indicator	Control
Gamma Exposure Environmental TLD	108	92	16
Air Particulate	530	318	212
Charcoal Filter	530	318	212
Groundwater	67	67	0
Surface Water	22	22	0
Drinking Water	52	26	26
Sediment (Lake)	4	4	0
Food Products (grapes)	3	2	1
Vegetation (broadleaf)	42	36	6
Milk	0	0	0
Fish	7	4	3
<b>Total All Types</b>	<b>1,365</b>	<b>889</b>	<b>476</b>

\* 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 2019. 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 2019, 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 2019, 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  $3\sigma$ . GEL Labs maintains a check on concentrations above the MDC.

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**		Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**	
BETA (530) (0)	0.01	3.1E -2 ( 1.6 - 6.0)E -2 (318/ 318)		NBF	3.2E -2 ( 1.5 - 5.4)E -2 (53/ 53)	3.1E -2 ( 1.5 - 6.3)E -2 (212/ 212)	
Be-7 (40) (0)		1.4E -1 ( 9.7 - 16.6)E -2 (24/ 24)		ONS-4	1.4E -1 ( 1.1 - 1.6)E -1 (4/ 4)	1.3E -1 ( 9.2 - 16.4)E -2 (16/ 16)	
K-40 (40) (0)		1.0E -3 ( -2.4 - 7.2)E -3 (1/ 24)		ONS-5	2.4E -3 ( 6.6 - 42.9)E -4 (1/ 4)	1.9E -3 ( -1.5 - 4.4)E -3 (0/ 16)	
Cr-51 (40) (0)		1.8E -3 ( -8.8 - 9.6)E -3 (0/ 24)		ONS-4	5.1E -3 ( 2.8 - 8.5)E -3 (0/ 4)	5.3E -4 ( -1.1 - 1.1)E -2 (0/ 16)	
Mn-54 (40) (0)		0.0E 0 ( -2.3 - 3.3)E -4 (0/ 24)		NBF	1.3E -4 ( 1.7 - 29.2)E -5 (0/ 4)	3.6E -5 ( -1.1 - 2.9)E -4 (0/ 16)	
Co-57 (40) (0)		0.0E 0 ( -1.1 - 1.1)E -4 (0/ 24)		ONS-6	2.6E -5 ( -2.0 - 9.8)E -5 (0/ 4)	0.0E 0 ( -1.0 - 0.9)E -4 (0/ 16)	
Co-58 (40) (0)		-5.4E -5 ( -4.8 - 2.5)E -4 (0/ 24)		SBN	2.0E -4 ( 8.1 - 31.9)E -5 (0/ 4)	8.6E -5 ( -2.0 - 3.2)E -4 (0/ 16)	
Fe-59 (40) (0)		1.8E -4 ( -8.4 - 10.7)E -4 (0/ 24)		ONS-6	4.5E -4 ( 2.9 - 6.0)E -4 (0/ 4)	-2.1E -4 ( -1.4 - 1.1)E -3 (0/ 16)	
Co-60 (40) (0)		0.0E 0 ( -2.1 - 1.9)E -4 (0/ 24)		NBF	6.8E -5 ( 2.1 - 9.8)E -5 (0/ 4)	4.7E -5 ( -9.4 - 14.1)E -5 (0/ 16)	
Zn-65 (40) (0)		1.6E -5 ( -3.6 - 3.0)E -4 (0/ 24)		NBF	2.3E -4 ( -2.7 - 5.2)E -4 (0/ 4)	8.1E -5 ( -3.2 - 5.2)E -4 (0/ 16)	
Se-75 (40) (0)		2.4E -5 ( -2.7 - 3.8)E -4 (0/ 24)		ONS-2	1.7E -4 ( -3.0 - 375.0)E -6 (0/ 4)	0.0E 0 ( -2.9 - 2.2)E -4 (0/ 16)	
Nb-95 (40) (0)		1.5E -4 ( -6.0 - 8.4)E -4 (0/ 24)		ONS-3	3.3E -4 ( 7.3 - 84.3)E -5 (0/ 4)	4.5E -5 ( -2.4 - 4.9)E -4 (0/ 16)	

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Zr-95 (40) (0)		7.5E -5 ( -5.0 - 8.1)E -4 (0/ 24)	DOW	4.5E -4 ( -1.2 - 13.7)E -4 (0/ 4)	1.9E -4 ( -4.4 - 13.7)E -4 (0/ 16)
Ru-103 (40) (0)		-3.7E -5 ( -7.9 - 5.3)E -4 (0/ 24)	SBN	1.6E -4 ( -3.6 - 5.3)E -4 (0/ 4)	-6.1E -5 ( -5.2 - 5.3)E -4 (0/ 16)
Ru-106 (40) (0)		5.8E -5 ( -1.5 - 2.0)E -3 (0/ 24)	ONS-3	7.0E -4 ( 5.6 - 9.5)E -4 (0/ 4)	-8.4E -5 ( -1.7 - 1.4)E -3 (0/ 16)
Ag-108m (40) (0)		0.0E 0 ( -1.5 - 2.2)E -4 (0/ 24)	ONS-2	5.5E -5 ( 1.1 - 11.7)E -5 (0/ 4)	0.0E 0 ( -1.2 - 2.4)E -4 (0/ 16)
Ag-110m (40) (0)		1.7E -5 ( -2.6 - 2.4)E -4 (0/ 24)	COL	1.2E -4 ( 1.7 - 18.9)E -5 (0/ 4)	4.4E -5 ( -6.5 - 18.9)E -5 (0/ 16)
Sb-124 (40) (0)		2.5E -5 ( -8.0 - 7.0)E -4 (0/ 24)	ONS-1	5.7E -4 ( 3.5 - 7.0)E -4 (0/ 4)	-2.5E -4 ( -1.6 - 0.4)E -3 (0/ 16)
Sb-125 (40) (0)		-2.6E -5 ( -5.0 - 3.0)E -4 (0/ 24)	ONS-2	1.7E -4 ( 1.9 - 29.8)E -5 (0/ 4)	2.6E -5 ( -2.1 - 3.6)E -4 (0/ 16)
I-131 (40) (0)		-1.0E -2 ( -3.0 - 3.4)E -1 (0/ 24)	COL	8.4E -2 ( 1.8 - 185.0)E -3 (0/ 4)	2.6E -2 ( -2.6 - 2.8)E -1 (0/ 16)
Cs-134 (40) (0)	0.06	4.1E -5 ( -3.1 - 2.4)E -4 (0/ 24)	ONS-2	8.1E -5 ( -3.9 - 15.4)E -5 (0/ 4)	3.2E -5 ( -1.1 - 2.5)E -4 (0/ 16)
Cs-137 (40) (0)	0.06	0.0E 0 ( -8.6 - 9.8)E -5 (0/ 24)	ONS-3	4.6E -5 ( 2.4 - 97.7)E -6 (0/ 4)	-2.8E -5 ( -2.0 - 1.1)E -4 (0/ 16)
Ba-140 (40) (0)		2.0E -2 ( -2.7 - 12.5)E -2 (0/ 24)	ONS-1	5.2E -2 ( -9.2 - 1250.0)E -4 (0/ 4)	6.8E -3 ( -8.3 - 5.9)E -2 (0/ 16)
La-140 (40) (0)		-2.3E -3 ( -2.3 - 2.2)E -2 (0/ 24)	COL	5.4E -3 ( -1.3 - 2.3)E -2 (0/ 4)	-2.6E -3 ( -2.1 - 2.3)E -2 (0/ 16)

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
<b>Ce-141</b> (40) (0)		-8.5E -5 ( -1.3 - 1.8)E -3 (0/ 24)	ONS-1	5.5E -4 ( -3.7 - 17.7)E -4 (0/ 4)	-3.3E -4 ( -1.6 - 1.3)E -3 (0/ 16)
<b>Ce-144</b> (40) (0)		1.5E -4 ( -5.1 - 9.8)E -4 (0/ 24)	ONS-5	4.1E -4 ( 3.2 - 4.7)E -4 (0/ 4)	5.4E -5 ( -9.6 - 10.3)E -4 (0/ 16)
<b>Ac-228</b> (40) (0)		4.5E -5 ( -1.2 - 1.1)E -3 (0/ 24)	NBF	2.2E -4 ( -6.0 - 45.9)E -5 (0/ 4)	9.2E -5 ( -1.1 - 0.8)E -3 (0/ 16)
<b>Th-228</b> (40) (0)		7.8E -5 ( -3.8 - 5.4)E -4 (0/ 24)	ONS-3	3.2E -4 ( -1.8 - 5.4)E -4 (0/ 4)	2.8E -5 ( -2.8 - 4.9)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 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range	No. Detected**	Station	Mean*** Range	No. Detected**	Mean*** Range
I-131	(530)	0.07	4.3E -4	ONS-3	1.3E -3	4.2E -4	
	(0)		( -1.2 - 1.4)E -2 (0/ 318)		( -6.7 - 13.5)E -3 (0/ 53)	( -1.0 - 1.4)E -2 (0/ 212)	

\* 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 2019)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station
Be-7 (7) (0)		1.2E 1 ( -4.9 - 32.0)E 0 (0/ 4)	ONS-N	2.8E 1 ( 2.5 - 3.2)E 1 (0/ 2)		1.7E 1 ( 1.1 - 2.2)E 1 (0/ 3)	
K-40 (7) (0)		3.0E 3 ( 2.2 - 4.1)E 3 (4/ 4)	ONS-S	3.4E 3 ( 2.8 - 4.1)E 3 (2/ 2)		2.8E 3 ( 2.4 - 3.2)E 3 (3/ 3)	
Cr-51 (7) (0)		1.7E 1 ( 2.2 - 41.5)E 0 (0/ 4)	ONS-N	2.2E 1 ( 2.2 - 41.5)E 0 (0/ 2)		-1.7E 1 ( -9.3 - 4.3)E 1 (0/ 3)	
Mn-54 (7) (0)	130	-5.1E -2 ( -4.3 - 2.4)E 0 (0/ 4)	ONS-N	1.4E 0 ( 3.0 - 24.3)E -1 (0/ 2)		-8.3E -1 ( -4.6 - 1.6)E 0 (0/ 3)	
Co-57 (7) (0)		-1.2E -1 ( -1.0 - 0.8)E 0 (0/ 4)	ONS-S	-1.2E -1 ( -1.0 - 0.8)E 0 (0/ 2)		-9.4E -1 ( -1.8 - 0.6)E 0 (0/ 3)	
Co-58 (7) (0)	130	-9.0E -1 ( -1.2 - -0.4)E 0 (0/ 4)	ONS-S	-8.2E -1 ( -1.2 - -0.4)E 0 (0/ 2)		-1.4E 0 ( -3.3 - 0.1)E 0 (0/ 3)	
Fe-59 (7) (0)	260	4.8E 0 ( -3.8 - 13.3)E 0 (0/ 4)	ONS-N	6.8E 0 ( 3.9 - 133.0)E -1 (0/ 2)		1.7E 0 ( -4.2 - 9.4)E 0 (0/ 3)	
Co-60 (7) (0)	130	-3.7E -1 ( -6.7 - 5.8)E 0 (0/ 4)	OFS-N	1.0E 1 ( -1.2 - 26.2)E 0 (0/ 3)		1.0E 1 ( -1.2 - 26.2)E 0 (0/ 3)	
Zn-65 (7) (0)	260	7.5E -1 ( -4.6 - 8.5)E 0 (0/ 4)	ONS-N	4.5E 0 ( 6.3 - 84.5)E -1 (0/ 2)		-2.6E 0 ( -6.8 - 1.9)E 0 (0/ 3)	
Se-75 (7) (0)		1.0E 0 ( -2.3 - 3.3)E 0 (0/ 4)	OFS-N	8.5E 0 ( 1.6 - 18.9)E 0 (0/ 3)		8.5E 0 ( 1.6 - 18.9)E 0 (0/ 3)	
Nb-95 (7) (0)		1.4E 0 ( -1.9 - 7.3)E 0 (0/ 4)	ONS-S	4.6E 0 ( 1.8 - 7.3)E 0 (0/ 2)		1.1E 0 ( 5.7 - 18.0)E -1 (0/ 3)	
Zr-95 (7) (0)		1.1E 0 ( -5.4 - 10.5)E 0 (0/ 4)	ONS-N	6.0E 0 ( 1.5 - 10.5)E 0 (0/ 2)		-2.4E 0 ( -4.5 - 0.8)E 0 (0/ 3)	

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station
Ru-103 (7) (0)		-1.0E 0 ( -2.4 - 0.4)E 0 (0/ 4)	OFS-N	1.7E 0 ( -3.1 - 4.2)E 0 (0/ 3)		1.7E 0 ( -3.1 - 4.2)E 0 (0/ 3)	
Ru-106 (7) (0)		1.1E 0 ( -2.0 - 1.9)E 1 (0/ 4)	OFS-N	1.6E 1 ( -2.8 - 4.5)E 1 (0/ 3)		1.6E 1 ( -2.8 - 4.5)E 1 (0/ 3)	
Ag-108m (7) (0)		2.1E 0 ( -4.5 - 72.7)E -1 (0/ 4)	ONS-S	4.2E 0 ( 1.1 - 7.3)E 0 (0/ 2)		-2.1E 0 ( -4.7 - -0.6)E 0 (0/ 3)	
Ag-110m (7) (0)		-9.5E -1 ( -2.2 - 0.2)E 0 (0/ 4)	OFS-N	1.6E -1 ( -6.4 - 8.1)E 0 (0/ 3)		1.6E -1 ( -6.4 - 8.1)E 0 (0/ 3)	
Sb-124 (7) (0)		-4.4E -1 ( -1.5 - 1.1)E 1 (0/ 4)	ONS-N	5.5E 0 ( 3.1 - 107.0)E -1 (0/ 2)		-4.9E 0 ( -1.0 - 0.3)E 1 (0/ 3)	
Sb-125 (7) (0)		-1.5E 0 ( -5.9 - 3.9)E 0 (0/ 4)	ONS-N	2.7E 0 ( 1.5 - 3.9)E 0 (0/ 2)		-3.9E 0 ( -1.2 - 0.0)E 1 (0/ 3)	
I-131 (7) (0)		-2.3E -1 ( -7.8 - 5.6)E 0 (0/ 4)	ONS-N	6.6E -1 ( -3.1 - 4.4)E 0 (0/ 2)		-7.3E 0 ( -1.7 - -0.3)E 1 (0/ 3)	
Cs-134 (7) (0)	130	1.5E 0 ( -5.8 - 68.8)E -1 (0/ 4)	ONS-S	3.4E 0 ( -4.2 - 688.0)E -2 (0/ 2)		2.8E -1 ( -1.1 - 1.3)E 0 (0/ 3)	
Cs-137 (7) (0)	150	8.2E 0 ( -2.1 - 18.4)E 0 (1/ 4)	OFS-N	1.6E 1 ( 1.2 - 2.1)E 1 (1/ 3)		1.6E 1 ( 1.2 - 2.1)E 1 (1/ 3)	
Ba-140 (7) (0)		1.8E 0 ( -7.5 - 14.1)E 0 (0/ 4)	OFS-N	4.0E 0 ( -1.7 - 12.3)E 0 (0/ 3)		4.0E 0 ( -1.7 - 12.3)E 0 (0/ 3)	
La-140 (7) (0)		4.4E 0 ( -5.3 - 1100.0)E -2 (0/ 4)	ONS-S	8.2E 0 ( 5.5 - 11.0)E 0 (0/ 2)		-1.0E 0 ( -8.6 - 3.2)E 0 (0/ 3)	
Ce-141 (7) (0)		-4.0E 0 ( -1.3 - 0.4)E 1 (0/ 4)	OFS-N	-2.9E 0 ( -8.4 - 2.5)E 0 (0/ 3)		-2.9E 0 ( -8.4 - 2.5)E 0 (0/ 3)	

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

**MEDIUM: Fish (FH) UNITS: pCi/kg**

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
<b>Ce-144</b>	(7) (0)	-3.3E 0 ( -2.0 - 1.0)E 1 (0/ 4)	ONS-N	9.2E 0 ( 8.2 - 10.1)E 0 (0/ 2)	-9.6E -1 ( -2.1 - 1.2)E 1 (0/ 3)
<b>Ac-228</b>	(7) (0)	7.2E 0 ( -8.6 - 19.1)E 0 (0/ 4)	ONS-S	1.8E 1 ( 1.7 - 1.9)E 1 (0/ 2)	3.1E 0 ( -4.3 - 5.7)E 1 (0/ 3)
<b>Th-228</b>	(7) (0)	3.1E 0 ( -3.5 - 6.7)E 0 (0/ 4)	ONS-S	4.6E 0 ( 4.4 - 4.9)E 0 (0/ 2)	-1.7E -2 ( -5.1 - 3.5)E 0 (0/ 3)

\* 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 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Be-7 (4) (0)		6.3E 1 ( 2.7 - 10.6)E 1 (0/ 4)	SL-2	7.2E 1 ( 3.9 - 10.6)E 1 (0/ 2)	NO DATA
K-40 (4) (0)		4.2E 3 ( 3.0 - 5.8)E 3 (4/ 4)	SL-3	5.0E 3 ( 4.2 - 5.8)E 3 (2/ 2)	NO DATA
Cr-51 (4) (0)		-3.1E 1 ( -1.5 - 0.2)E 2 (0/ 4)	SL-3	1.8E 1 ( 1.4 - 2.2)E 1 (0/ 2)	NO DATA
Mn-54 (4) (0)		-8.8E -1 ( -1.2 - 1.3)E 1 (0/ 4)	SL-2	7.8E 0 ( 2.5 - 13.1)E 0 (0/ 2)	NO DATA
Co-57 (4) (0)		-8.9E -1 ( -5.0 - 2.2)E 0 (0/ 4)	SL-2	-2.9E -1 ( -2.8 - 2.2)E 0 (0/ 2)	NO DATA
Co-58 (4) (0)		4.6E 0 ( 8.0 - 78.9)E -1 (0/ 4)	SL-3	4.9E 0 ( 3.8 - 6.0)E 0 (0/ 2)	NO DATA
Fe-59 (4) (0)		-1.0E 1 ( -3.5 - 1.0)E 1 (0/ 4)	SL-2	-8.3E 0 ( -1.1 - -0.6)E 1 (0/ 2)	NO DATA
Co-60 (4) (0)		5.4E -1 ( -6.0 - 4.0)E 0 (0/ 4)	SL-3	2.1E 0 ( 2.1 - 2.2)E 0 (0/ 2)	NO DATA
Zn-65 (4) (0)		-6.8E 0 ( -2.3 - 0.4)E 1 (0/ 4)	SL-3	1.8E 0 ( -5.8 - 41.4)E -1 (0/ 2)	NO DATA
Se-75 (4) (0)		-4.6E 0 ( -1.8 - 0.5)E 1 (0/ 4)	SL-3	3.5E 0 ( 1.7 - 5.3)E 0 (0/ 2)	NO DATA
Nb-95 (4) (0)		-3.6E 0 ( -9.6 - 2.9)E 0 (0/ 4)	SL-2	-1.8E 0 ( -6.4 - 2.9)E 0 (0/ 2)	NO DATA
Zr-95 (4) (0)		-1.1E 0 ( -1.0 - 0.7)E 1 (0/ 4)	SL-3	-1.7E -1 ( -7.7 - 7.4)E 0 (0/ 2)	NO DATA

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Ru-103 (4) (0)		-5.9E 0 ( -1.1 - 0.0)E 1 (0/ 4)	SL-3	-2.7E 0 ( -5.5 - 0.0)E 0 (0/ 2)	NO DATA
Ru-106 (4) (0)		5.5E 1 ( -8.8 - 154.0)E 0 (0/ 4)	SL-3	7.3E 1 ( -8.8 - 154.0)E 0 (0/ 2)	NO DATA
Ag-108m (4) (0)		5.5E -2 ( -4.4 - 6.5)E 0 (0/ 4)	SL-2	1.7E 0 ( -3.1 - 6.5)E 0 (0/ 2)	NO DATA
Ag-110m (4) (0)		-7.9E 0 ( -2.0 - 1.5)E 1 (0/ 4)	SL-3	-1.1E 0 ( -1.7 - 1.5)E 1 (0/ 2)	NO DATA
Sb-124 (4) (0)		3.4E -1 ( -2.6 - 2.6)E 1 (0/ 4)	SL-2	1.2E 1 ( -1.6 - 25.6)E 0 (0/ 2)	NO DATA
Sb-125 (4) (0)		6.9E 0 ( -1.5 - 3.7)E 1 (0/ 4)	SL-2	1.7E 1 ( -4.0 - 37.0)E 0 (0/ 2)	NO DATA
I-131 (4) (0)		9.7E 0 ( -2.7 - 8.3)E 1 (0/ 4)	SL-2	2.8E 1 ( -2.7 - 8.3)E 1 (0/ 2)	NO DATA
Cs-134 (4) (0)	150	1.5E 1 ( -6.3 - 25.8)E 0 (0/ 4)	SL-2	2.3E 1 ( 2.0 - 2.6)E 1 (0/ 2)	NO DATA
Cs-137 (4) (0)	180	7.0E 0 ( -5.8 - 15.6)E 0 (0/ 4)	SL-2	1.2E 1 ( 7.7 - 15.6)E 0 (0/ 2)	NO DATA
Ba-140 (4) (0)		7.8E -1 ( -2.3 - 1.8)E 1 (0/ 4)	SL-3	1.4E 1 ( 1.0 - 1.8)E 1 (0/ 2)	NO DATA
La-140 (4) (0)		4.9E 0 ( -6.6 - 21.2)E 0 (0/ 4)	SL-2	7.3E 0 ( -6.6 - 21.2)E 0 (0/ 2)	NO DATA
Ce-141 (4) (0)		4.0E 0 ( -1.5 - 1.6)E 1 (0/ 4)	SL-3	1.1E 1 ( 6.8 - 15.8)E 0 (0/ 2)	NO DATA

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
<b>Ce-144</b>	(4) (0)	1.0E 1 ( -5.3 - 10.4)E 1 (0/ 4)	SL-3	5.7E 1 ( 1.0 - 10.4)E 1 (0/ 2)	NO DATA
<b>Ac-228</b>	(4) (0)	3.1E 2 ( 1.8 - 75.4)E 1 (2/ 4)	SL-2	5.3E 2 ( 3.1 - 7.5)E 2 (2/ 2)	NO DATA
<b>Th-228</b>	(4) (0)	4.5E 2 ( 1.7 - 9.2)E 2 (4/ 4)	SL-2	7.0E 2 ( 4.8 - 9.2)E 2 (2/ 2)	NO DATA

\* 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 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Be-7 (3) (0)		1.1E 2 ( 7.6 - 14.2)E 1 (2/ 2)	OFS2-G	1.8E 2  (1/ 1)	1.8E 2  (1/ 1)
K-40 (3) (0)		2.3E 3 ( 1.5 - 3.0)E 3 (2/ 2)	OFS2-G	4.7E 3  (1/ 1)	4.7E 3  (1/ 1)
Cr-51 (3) (0)		-5.5E 0 ( -1.9 - 0.8)E 1 (0/ 2)	ONS 5-G	7.7E 0  (0/ 1)	-1.8E 1  (0/ 1)
Mn-54 (3) (0)		4.0E 0 ( 6.6 - 73.7)E -1 (0/ 2)	ONS 5-G	7.4E 0  (0/ 1)	3.0E 0  (0/ 1)
Co-57 (3) (0)		-3.3E -1 ( -9.0 - 2.4)E -1 (0/ 2)	OFS2-G	5.6E -1  (0/ 1)	5.6E -1  (0/ 1)
Co-58 (3) (0)		-1.0E 0 ( -2.3 - 0.3)E 0 (0/ 2)	ONS 5-G	2.6E -1  (0/ 1)	-5.1E -1  (0/ 1)
Fe-59 (3) (0)		-9.2E 0 ( -1.2 - -0.6)E 1 (0/ 2)	OFS2-G	1.5E 0  (0/ 1)	1.5E 0  (0/ 1)
Co-60 (3) (0)		-2.2E 0 ( -3.6 - -0.7)E 0 (0/ 2)	ONS-G	-7.5E -1  (0/ 1)	-9.3E 0  (0/ 1)
Zn-65 (3) (0)		-2.7E 0 ( -3.1 - -2.2)E 0 (0/ 2)	ONS-G	-2.2E 0  (0/ 1)	-4.4E 0  (0/ 1)
Se-75 (3) (0)		-1.2E 0 ( -4.7 - 2.2)E 0 (0/ 2)	ONS-G	2.2E 0  (0/ 1)	-2.8E 0  (0/ 1)
Nb-95 (3) (0)		4.1E 0 ( 1.5 - 6.8)E 0 (0/ 2)	ONS 5-G	6.8E 0  (0/ 1)	-9.0E -2  (0/ 1)
Zr-95 (3) (0)		1.1E 1 ( 3.7 - 17.6)E 0 (0/ 2)	ONS 5-G	1.8E 1  (0/ 1)	-7.6E 0  (0/ 1)

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**		
Ru-103 (3) (0)		1.3E 0 ( -3.1 - 5.7)E 0 (0/ 2)	ONS 5-G	5.7E 0  (0/ 1)	1.2E 0  (0/ 1)		
Ru-106 (3) (0)		-1.5E 1 ( -3.8 - 0.7)E 1 (0/ 2)	OFS2-G	9.1E 0  (0/ 1)	9.1E 0  (0/ 1)		
Ag-108m (3) (0)		1.3E 0 ( -1.3 - 26.8)E -1 (0/ 2)	ONS 5-G	2.7E 0  (0/ 1)	1.4E 0  (0/ 1)		
Ag-110m (3) (0)		1.2E 0 ( 4.2 - 231.0)E -2 (0/ 2)	ONS 5-G	2.3E 0  (0/ 1)	2.2E -1  (0/ 1)		
Sb-124 (3) (0)		-1.7E 0 ( -5.4 - 1.9)E 0 (0/ 2)	ONS-G	1.9E 0  (0/ 1)	-2.4E 0  (0/ 1)		
Sb-125 (3) (0)		9.0E -2 ( -7.5 - 9.3)E -1 (0/ 2)	OFS2-G	2.3E 0  (0/ 1)	2.3E 0  (0/ 1)		
I-131 (3) (0)	60	-3.1E 0 ( -6.9 - 0.6)E 0 (0/ 2)	OFS2-G	2.6E 0  (0/ 1)	2.6E 0  (0/ 1)		
Cs-134 (3) (0)	60	-1.6E 0 ( -1.7 - -1.6)E 0 (0/ 2)	OFS2-G	8.4E -1  (0/ 1)	8.4E -1  (0/ 1)		
Cs-137 (3) (0)	60	-4.5E -2 ( -1.6 - 1.5)E 0 (0/ 2)	ONS-G	1.5E 0  (0/ 1)	-8.8E -2  (0/ 1)		
Ba-140 (3) (0)		-3.3E 0 ( -1.5 - 0.9)E 1 (0/ 2)	ONS-G	8.7E 0  (0/ 1)	-3.2E -1  (0/ 1)		
La-140 (3) (0)		-1.4E 0 ( -4.4 - 1.5)E 0 (0/ 2)	OFS2-G	2.2E 0  (0/ 1)	2.2E 0  (0/ 1)		
Ce-141 (3) (0)		-4.4E 0 ( -9.3 - 0.5)E 0 (0/ 2)	OFS2-G	2.8E 0  (0/ 1)	2.8E 0  (0/ 1)		

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
<b>Ce-144</b>	<b>(3)</b>	<b>-1.6E 1</b>	<b>OFS2-G</b>	<b>5.4E 0</b>	<b>5.4E 0</b>
<b>(0)</b>		<b>( -1.9 - -1.3)E 1</b> <b>(0/ 2)</b>		<b>(0/ 1)</b>	<b>(0/ 1)</b>
<b>Ac-228</b>	<b>(3)</b>	<b>8.0E 0</b>	<b>ONS 5-G</b>	<b>2.3E 1</b>	<b>5.5E 0</b>
<b>(0)</b>		<b>( -6.6 - 22.6)E 0</b> <b>(0/ 2)</b>		<b>(0/ 1)</b>	<b>(0/ 1)</b>
<b>Th-228</b>	<b>(3)</b>	<b>6.3E 0</b>	<b>ONS 5-G</b>	<b>1.2E 1</b>	<b>-7.3E -1</b>
<b>(0)</b>		<b>( 3.9 - 122.0)E -1</b> <b>(0/ 2)</b>		<b>(0/ 1)</b>	<b>(0/ 1)</b>

\* 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 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station
Be-7 (42) (0)		2.7E 3 ( 5.3 - 78.5)E 2 (36/ 36)	OFS1-V	3.6E 3 ( 8.1 - 90.5)E 2 (5/ 5)		3.5E 3 ( 8.1 - 90.5)E 2 (6/ 6)	
K-40 (42) (0)		4.2E 3 ( 8.4 - 78.7)E 2 (36/ 36)	ONS6-V	5.1E 3 ( 2.3 - 7.9)E 3 (18/ 18)		2.8E 3 ( 1.7 - 4.3)E 3 (6/ 6)	
Cr-51 (42) (0)		1.3E 1 ( -9.8 - 29.4)E 1 (0/ 36)	ONS4-V	3.2E 1 ( -9.8 - 29.4)E 1 (0/ 18)		-1.1E 1 ( -5.5 - 2.6)E 1 (0/ 6)	
Mn-54 (42) (0)		2.2E 0 ( -1.2 - 4.4)E 1 (0/ 36)	OFS2-V	4.7E 0  (0/ 1)		-1.6E 0 ( -9.8 - 8.3)E 0 (0/ 6)	
Co-57 (42) (0)		2.0E -2 ( -8.2 - 11.7)E 0 (0/ 36)	OFS1-V	5.1E 0 ( -9.4 - 15.2)E 0 (0/ 5)		4.4E 0 ( -9.4 - 15.2)E 0 (0/ 6)	
Co-58 (42) (0)		2.5E -1 ( -1.5 - 1.4)E 1 (0/ 36)	OFS1-V	4.2E -1 ( -1.1 - 1.0)E 1 (0/ 5)		-4.2E -1 ( -1.1 - 1.0)E 1 (0/ 6)	
Fe-59 (42) (0)		-2.9E 0 ( -2.3 - 1.4)E 1 (0/ 36)	ONS4-V	1.5E -1 ( -1.5 - 1.4)E 1 (0/ 18)		-5.7E 0 ( -2.9 - 1.6)E 1 (0/ 6)	
Co-60 (42) (0)		1.1E 0 ( -2.2 - 3.7)E 1 (0/ 36)	OFS1-V	6.0E 0 ( -4.0 - 14.1)E 0 (0/ 5)		3.7E 0 ( -8.0 - 14.1)E 0 (0/ 6)	
Zn-65 (42) (0)		-2.4E 0 ( -3.1 - 3.4)E 1 (0/ 36)	OFS1-V	9.2E 0 ( 2.9 - 18.3)E 0 (0/ 5)		9.0E 0 ( 2.9 - 18.3)E 0 (0/ 6)	
Se-75 (42) (0)		3.8E -1 ( -1.2 - 1.8)E 1 (0/ 36)	OFS1-V	5.7E 0 ( 4.7 - 200.0)E -1 (0/ 5)		4.1E 0 ( -4.1 - 20.0)E 0 (0/ 6)	
Nb-95 (42) (0)		-9.9E -1 ( -2.1 - 1.2)E 1 (0/ 36)	ONS5-V	1.4E 0 ( -9.0 - 11.9)E 0 (0/ 18)		-2.3E 0 ( -6.9 - 2.8)E 0 (0/ 6)	
Zr-95 (42) (0)		-2.9E 0 ( -2.7 - 2.2)E 1 (0/ 36)	OFS2-V	8.1E 0  (0/ 1)		1.8E 0 ( -8.2 - 8.1)E 0 (0/ 6)	

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**		Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**	
Ru-103 (42) (0)		-1.6E 0 ( -1.0 - 1.4)E 1 (0/ 36)		OFS1-V	3.9E 0 ( -4.1 - 9.9)E 0 (0/ 5)	3.3E 0 ( -4.1 - 9.9)E 0 (0/ 6)	
Ru-106 (42) (0)		-1.3E 1 ( -1.6 - 0.9)E 2 (0/ 36)		OFS1-V	1.0E 1 ( -3.0 - 7.0)E 1 (0/ 5)	3.4E 0 ( -3.0 - 7.0)E 1 (0/ 6)	
Ag-108m (42) (0)		1.9E 0 ( -8.9 - 42.2)E 0 (0/ 36)		ONS5-V	2.4E 0 ( -7.0 - 42.2)E 0 (0/ 18)	-3.3E 0 ( -1.5 - 0.5)E 1 (0/ 6)	
Ag-110m (42) (0)		1.3E 0 ( -1.2 - 2.9)E 1 (0/ 36)		ONS5-V	3.6E 0 ( -1.2 - 2.9)E 1 (0/ 18)	-5.5E 0 ( -1.1 - -0.1)E 1 (0/ 6)	
Sb-124 (42) (0)		1.2E 0 ( -2.7 - 3.5)E 1 (0/ 36)		ONS4-V	2.6E 0 ( -2.7 - 2.6)E 1 (0/ 18)	-2.7E 0 ( -2.9 - 0.8)E 1 (0/ 6)	
Sb-125 (42) (0)		5.0E -1 ( -3.6 - 3.2)E 1 (0/ 36)		OFS2-V	1.2E 1  (0/ 1)	9.9E 0 ( -2.0 - 4.5)E 1 (0/ 6)	
I-131 (42) (0)	60	2.9E 0 ( -3.0 - 4.5)E 1 (0/ 36)		OFS2-V	2.0E 1  (0/ 1)	-3.4E 0 ( -3.1 - 2.0)E 1 (0/ 6)	
Cs-134 (42) (0)	60	-3.3E -1 ( -1.9 - 1.6)E 1 (0/ 36)		OFS2-V	7.4E 0  (0/ 1)	3.7E 0 ( -2.3 - 8.8)E 0 (0/ 6)	
Cs-137 (42) (0)	60	3.8E 0 ( -2.8 - 1.8)E 1 (0/ 36)		OFS2-V	2.5E 1  (0/ 1)	9.8E 0 ( -2.4 - 249.0)E -1 (0/ 6)	
Ba-140 (42) (0)		2.3E 0 ( -4.0 - 5.1)E 1 (0/ 36)		OFS2-V	2.9E 1  (0/ 1)	5.8E 0 ( -3.9 - 6.1)E 1 (0/ 6)	
La-140 (42) (0)		-7.5E -1 ( -1.6 - 1.6)E 1 (0/ 36)		ONS4-V	2.0E 0 ( -7.8 - 15.9)E 0 (0/ 18)	-2.8E 0 ( -9.6 - 6.1)E 0 (0/ 6)	
Ce-141 (42) (0)		-6.0E 0 ( -4.7 - 2.1)E 1 (0/ 36)		ONS4-V	-4.5E 0 ( -3.0 - 2.1)E 1 (0/ 18)	-9.2E 0 ( -1.6 - -0.2)E 1 (0/ 6)	



**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
<b>Ce-144</b> (42) (0)		-1.5E 0 ( -7.5 - 9.9)E 1 (0/ 36)	OFS2-V	1.3E 2  (0/ 1)	4.7E 1 ( 1.0 - 13.1)E 1 (0/ 6)
<b>Ac-228</b> (42) (0)		2.2E 1 ( -5.6 - 16.3)E 1 (0/ 36)	ONS4-V	3.5E 1 ( -5.3 - 15.7)E 1 (0/ 18)	-7.6E 0 ( -7.9 - 6.8)E 1 (0/ 6)
<b>Th-228</b> (42) (0)		5.6E -1 ( -4.9 - 3.2)E 1 (0/ 36)	OFS2-V	2.4E 1  (0/ 1)	7.4E 0 ( -1.2 - 2.6)E 1 (0/ 6)

\* 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 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**
BETA (52) (0)	4	1.5E 0 ( -2.6 - 32.5)E -1 (0/ 26)	LTW	1.5E 0 ( -2.6 - 32.5)E -1 (0/ 26)	LTW	1.1E 0 ( -2.0 - 3.1)E 0 (0/ 26)
H-3 (8) (0)	2000	6.0E 1 ( -1.4 - 2.9)E 2 (0/ 4)	LTW	6.0E 1 ( -1.4 - 2.9)E 2 (0/ 4)	LTW	-3.2E 1 ( -2.0 - 2.4)E 2 (0/ 4)
Be-7 (52) (0)		2.9E 0 ( -1.5 - 3.6)E 1 (0/ 26)	LTW	2.9E 0 ( -1.5 - 3.6)E 1 (0/ 26)	LTW	-5.3E -1 ( -1.7 - 1.6)E 1 (0/ 26)
K-40 (52) (0)		-7.7E 0 ( -3.5 - 4.0)E 1 (0/ 26)	LTW	-7.7E 0 ( -3.5 - 4.0)E 1 (0/ 26)	LTW	-9.7E 0 ( -3.9 - 5.8)E 1 (0/ 26)
Cr-51 (52) (0)		3.3E 0 ( -1.1 - 2.1)E 1 (0/ 26)	LTW	3.3E 0 ( -1.1 - 2.1)E 1 (0/ 26)	LTW	-7.8E -1 ( -9.6 - 13.0)E 0 (0/ 26)
Mn-54 (52) (0)	15	-2.5E -1 ( -3.0 - 2.4)E 0 (0/ 26)	STJ	3.0E -1 ( -2.4 - 7.7)E 0 (0/ 26)	STJ	3.0E -1 ( -2.4 - 7.7)E 0 (0/ 26)
Co-57 (52) (0)		1.3E -2 ( -1.8 - 2.9)E 0 (0/ 26)	STJ	1.0E -1 ( -6.5 - 12.2)E -1 (0/ 26)	STJ	1.0E -1 ( -6.5 - 12.2)E -1 (0/ 26)
Co-58 (52) (0)	15	1.1E -1 ( -3.6 - 3.4)E 0 (0/ 26)	STJ	1.8E -1 ( -1.2 - 2.5)E 0 (0/ 26)	STJ	1.8E -1 ( -1.2 - 2.5)E 0 (0/ 26)
Fe-59 (52) (0)	30	-4.2E -1 ( -6.6 - 3.5)E 0 (0/ 26)	STJ	1.8E -1 ( -4.0 - 8.8)E 0 (0/ 26)	STJ	1.8E -1 ( -4.0 - 8.8)E 0 (0/ 26)
Co-60 (52) (0)	15	7.1E -2 ( -1.7 - 2.1)E 0 (0/ 26)	LTW	7.1E -2 ( -1.7 - 2.1)E 0 (0/ 26)	LTW	-1.1E -2 ( -2.6 - 1.7)E 0 (0/ 26)
Zn-65 (52) (0)	30	1.8E -1 ( -3.9 - 5.4)E 0 (0/ 26)	LTW	1.8E -1 ( -3.9 - 5.4)E 0 (0/ 26)	LTW	-2.9E -1 ( -6.3 - 3.4)E 0 (0/ 26)
Se-75 (52) (0)		-2.6E -1 ( -5.4 - 2.1)E 0 (0/ 26)	STJ	3.8E -1 ( -2.9 - 4.0)E 0 (0/ 26)	STJ	3.8E -1 ( -2.9 - 4.0)E 0 (0/ 26)

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations	
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Station
Nb-95 (52) (0)	15	2.4E -2 ( -3.2 - 1.4)E 0 (0/ 26)	LTW	2.4E -2 ( -3.2 - 1.4)E 0 (0/ 26)	LTW	-2.1E -1 ( -2.9 - 1.7)E 0 (0/ 26)	STJ
Zr-95 (52) (0)	30	1.3E -2 ( -4.3 - 5.0)E 0 (0/ 26)	LTW	1.3E -2 ( -4.3 - 5.0)E 0 (0/ 26)	LTW	-4.3E -2 ( -2.7 - 4.7)E 0 (0/ 26)	STJ
Ru-103 (52) (0)		-4.3E -1 ( -3.0 - 2.5)E 0 (0/ 26)	LTW	-4.3E -1 ( -3.0 - 2.5)E 0 (0/ 26)	LTW	-9.2E -1 ( -2.8 - 0.5)E 0 (0/ 26)	STJ
Ru-106 (52) (0)		1.1E 0 ( -2.5 - 1.8)E 1 (0/ 26)	LTW	1.1E 0 ( -2.5 - 1.8)E 1 (0/ 26)	LTW	5.9E -2 ( -1.7 - 3.2)E 1 (0/ 26)	STJ
Ag-108m (52) (0)		3.1E -2 ( -1.5 - 2.4)E 0 (0/ 26)	STJ	2.2E -1 ( -1.5 - 2.8)E 0 (0/ 26)	STJ	2.2E -1 ( -1.5 - 2.8)E 0 (0/ 26)	STJ
Ag-110m (52) (0)		3.4E -1 ( -2.3 - 2.6)E 0 (0/ 26)	LTW	3.4E -1 ( -2.3 - 2.6)E 0 (0/ 26)	LTW	1.7E -2 ( -2.4 - 4.2)E 0 (0/ 26)	STJ
Sb-124 (52) (0)		-4.1E -1 ( -5.6 - 5.3)E 0 (0/ 26)	STJ	-1.9E -1 ( -4.1 - 5.5)E 0 (0/ 26)	STJ	-1.9E -1 ( -4.1 - 5.5)E 0 (0/ 26)	STJ
Sb-125 (52) (0)		2.0E -1 ( -5.4 - 7.4)E 0 (0/ 26)	LTW	2.0E -1 ( -5.4 - 7.4)E 0 (0/ 26)	LTW	-4.4E -1 ( -5.0 - 6.0)E 0 (0/ 26)	STJ
I-131 (52) (0)	1	-1.1E -1 ( -8.9 - 5.0)E -1 (0/ 26)	STJ	-5.6E -2 ( -6.6 - 6.2)E -1 (0/ 26)	STJ	-5.6E -2 ( -6.6 - 6.2)E -1 (0/ 26)	STJ
Cs-134 (52) (0)	15	4.6E -1 ( -2.5 - 2.2)E 0 (0/ 26)	LTW	4.6E -1 ( -2.5 - 2.2)E 0 (0/ 26)	LTW	7.9E -2 ( -1.2 - 1.5)E 0 (0/ 26)	STJ
Cs-137 (52) (0)	18	1.6E -2 ( -2.1 - 3.0)E 0 (0/ 26)	STJ	1.9E -2 ( -2.3 - 2.7)E 0 (0/ 26)	STJ	1.9E -2 ( -2.3 - 2.7)E 0 (0/ 26)	STJ
Ba-140 (52) (0)	60	-3.3E -1 ( -1.1 - 0.7)E 1 (0/ 26)	STJ	1.9E 0 ( -5.7 - 19.4)E 0 (0/ 26)	STJ	1.9E 0 ( -5.7 - 19.4)E 0 (0/ 26)	STJ

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**	
<b>La-140</b> (52) (0)	15	-1.8E -1 ( -5.1 - 2.8)E 0 (0/ 26)	LTW	-1.8E -1 ( -5.1 - 2.8)E 0 (0/ 26)	-8.2E -1 ( -6.3 - 2.0)E 0 (0/ 26)	
<b>Ce-141</b> (52) (0)		-7.6E -1 ( -7.4 - 8.1)E 0 (0/ 26)	LTW	-7.6E -1 ( -7.4 - 8.1)E 0 (0/ 26)	-9.7E -1 ( -7.5 - 5.0)E 0 (0/ 26)	
<b>Ce-144</b> (52) (0)		2.0E 0 ( -8.9 - 14.2)E 0 (0/ 26)	STJ	3.3E 0 ( -2.7 - 2.4)E 1 (0/ 26)	3.3E 0 ( -2.7 - 2.4)E 1 (0/ 26)	
<b>Ac-228</b> (52) (0)		1.1E 0 ( -1.2 - 2.0)E 1 (0/ 26)	LTW	1.1E 0 ( -1.2 - 2.0)E 1 (0/ 26)	-1.9E 0 ( -1.4 - 1.2)E 1 (0/ 26)	
<b>Th-228</b> (52) (0)		2.9E 0 ( -2.8 - 17.9)E 0 (0/ 26)	LTW	2.9E 0 ( -2.8 - 17.9)E 0 (0/ 26)	2.5E 0 ( -3.2 - 10.8)E 0 (0/ 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 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**		Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
H-3 (67) (0)	2000	1.3E 2 ( -5.5 - 10.2)E 2 (0/ 67)		W-3	2.9E 2 ( -1.2 - 10.2)E 2 (0/ 4)	NO DATA
Be-7 (67) (0)		-4.3E -1 ( -2.9 - 2.9)E 1 (0/ 67)		W-10	5.6E 0 ( 8.8 - 154.0)E -1 (0/ 4)	NO DATA
K-40 (67) (0)		-2.4E 0 ( -6.1 - 7.4)E 1 (3/ 67)		W-9	4.2E 1 ( 9.7 - 74.2)E 0 (2/ 4)	NO DATA
Cr-51 (67) (0)		2.0E 0 ( -2.3 - 7.2)E 1 (0/ 67)		W-11	1.4E 1 ( -2.3 - 7.2)E 1 (0/ 4)	NO DATA
Mn-54 (67) (0)	15	-4.1E -3 ( -2.5 - 2.5)E 0 (0/ 67)		W-4	8.0E -1 ( 2.2 - 13.8)E -1 (0/ 4)	NO DATA
Co-57 (67) (0)		-7.1E -2 ( -1.9 - 2.4)E 0 (0/ 67)		W-6	7.9E -1 ( -2.0 - 23.8)E -1 (0/ 4)	NO DATA
Co-58 (67) (0)	15	-2.8E -1 ( -2.1 - 3.2)E 0 (0/ 67)		W-1	9.3E -1 ( -6.2 - 32.3)E -1 (0/ 3)	NO DATA
Fe-59 (67) (0)	30	-2.5E -1 ( -4.9 - 8.3)E 0 (0/ 67)		W-1	2.3E 0 ( -7.0 - 83.0)E -1 (0/ 3)	NO DATA
Co-60 (67) (0)	15	5.9E -1 ( -1.7 - 4.6)E 0 (0/ 67)		W-1	1.9E 0 ( -3.7 - 46.3)E -1 (0/ 3)	NO DATA
Zn-65 (67) (0)	30	7.6E -2 ( -7.4 - 5.9)E 0 (0/ 67)		W-7	2.5E 0 ( 6.4 - 59.4)E -1 (0/ 4)	NO DATA
Se-75 (67) (0)		-2.9E -1 ( -3.4 - 4.4)E 0 (0/ 67)		W-6	1.2E 0 ( 7.0 - 18.2)E -1 (0/ 4)	NO DATA
Nb-95 (67) (0)	15	-7.2E -2 ( -5.1 - 5.7)E 0 (0/ 67)		W-14	3.1E 0 ( -1.4 - 5.7)E 0 (0/ 4)	NO DATA

Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**		Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Zr-95 (67) (0)	30	-5.6E -2 ( -4.6 - 5.5)E 0 (0/ 67)		W-4	2.1E 0 ( -1.3 - 5.5)E 0 (0/ 4)	NO DATA
Ru-103 (67) (0)		-2.5E -1 ( -3.7 - 7.7)E 0 (0/ 67)		W-2	1.8E 0 ( -8.0 - 76.7)E -1 (0/ 4)	NO DATA
Ru-106 (67) (0)		-1.9E 0 ( -3.2 - 2.8)E 1 (0/ 67)		W-3	1.0E 1 ( -5.4 - 26.4)E 0 (0/ 4)	NO DATA
Ag-108m (67) (0)		-7.6E -2 ( -2.1 - 3.1)E 0 (0/ 67)		W-9	8.4E -1 ( -3.5 - 31.0)E -1 (0/ 4)	NO DATA
Ag-110m (67) (0)		7.9E -1 ( -2.3 - 9.5)E 0 (0/ 67)		W-9	3.6E 0 ( 5.1 - 94.9)E -1 (0/ 4)	NO DATA
Sb-124 (67) (0)		-5.4E -1 ( -6.6 - 6.1)E 0 (0/ 67)		W-6	2.6E 0 ( -1.7 - 6.1)E 0 (0/ 4)	NO DATA
Sb-125 (67) (0)		2.6E -1 ( -1.2 - 0.8)E 1 (0/ 67)		W-13	5.9E 0 ( 3.0 - 7.6)E 0 (0/ 4)	NO DATA
I-131 (67) (0)	1	5.7E -1 ( -2.8 - 8.4)E 0 (0/ 67)		W-13	3.3E 0 ( -2.3 - 842.0)E -2 (0/ 4)	NO DATA
Cs-134 (67) (0)	15	6.9E -2 ( -3.8 - 3.6)E 0 (0/ 67)		W-2	1.0E 0 ( 2.5 - 3610.0)E -3 (0/ 4)	NO DATA
Cs-137 (67) (0)	18	2.1E -1 ( -2.9 - 7.6)E 0 (0/ 67)		W-10	2.6E 0 ( 1.0 - 75.8)E -1 (0/ 4)	NO DATA
Ba-140 (67) (0)	60	-8.0E -2 ( -1.3 - 1.3)E 1 (0/ 67)		W-1	7.0E 0 ( 3.1 - 9.6)E 0 (0/ 3)	NO DATA
La-140 (67) (0)	15	-1.6E -1 ( -6.4 - 5.3)E 0 (0/ 67)		W-1	1.2E 0 ( -3.2 - 26.2)E -1 (0/ 3)	NO DATA

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Ce-141 (67) (0)		-5.8E -1 ( -7.3 - 7.9)E 0 (0/ 67)	W-15	1.7E 0 ( -1.3 - 7.9)E 0 (0/ 4)	NO DATA
Ce-144 (67) (0)		-1.2E 0 ( -2.2 - 2.3)E 1 (0/ 67)	W-9	6.1E 0 ( 3.3 - 8.9)E 0 (0/ 4)	NO DATA
Ac-228 (67) (0)		2.3E 0 ( -1.5 - 2.2)E 1 (0/ 67)	W-13	1.2E 1 ( -4.3 - 22.2)E 0 (0/ 4)	NO DATA
Th-228 (67) (0)		2.9E 0 ( -7.2 - 12.6)E 0 (0/ 67)	W-15	6.0E 0 ( 3.9 - 920.0)E -2 (0/ 4)	NO DATA

\* 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 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**		Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
H-3 (8) (0)	2000	3.1E 1 ( -7.6 - 3.1)E 2 (0/ 8)		SWL-3	9.6E 1 ( 8.1 - 190.0)E 0 (0/ 4)	NO DATA
Be-7 (22) (0)		1.7E -1 ( -1.3 - 1.2)E 1 (0/ 22)		SWL-3	1.5E 0 ( -1.1 - 1.2)E 1 (0/ 11)	NO DATA
K-40 (22) (0)		-4.7E 0 ( -6.7 - 3.8)E 1 (1/ 22)		SWL-2	6.9E -1 ( -2.4 - 2.1)E 1 (0/ 11)	NO DATA
Cr-51 (22) (0)		9.8E 0 ( -1.8 - 19.1)E 1 (0/ 22)		SWL-2	1.3E 1 ( -1.8 - 19.1)E 1 (0/ 11)	NO DATA
Mn-54 (22) (0)	15	-9.0E -2 ( -1.8 - 1.5)E 0 (0/ 22)		SWL-2	1.3E -1 ( -9.4 - 15.1)E -1 (0/ 11)	NO DATA
Co-57 (22) (0)		1.1E -1 ( -1.1 - 1.0)E 0 (0/ 22)		SWL-3	1.4E -1 ( -9.3 - 7.9)E -1 (0/ 11)	NO DATA
Co-58 (22) (0)	15	-1.7E -1 ( -2.2 - 2.1)E 0 (0/ 22)		SWL-2	1.6E -1 ( -2.1 - 2.1)E 0 (0/ 11)	NO DATA
Fe-59 (22) (0)	30	1.3E -2 ( -3.5 - 3.2)E 0 (0/ 22)		SWL-2	3.8E -1 ( -1.7 - 2.7)E 0 (0/ 11)	NO DATA
Co-60 (22) (0)	15	-6.7E -2 ( -2.2 - 2.4)E 0 (0/ 22)		SWL-3	2.8E -1 ( -8.0 - 15.6)E -1 (0/ 11)	NO DATA
Zn-65 (22) (0)	30	1.2E -1 ( -4.6 - 4.1)E 0 (0/ 22)		SWL-2	1.6E -1 ( -1.9 - 2.4)E 0 (0/ 11)	NO DATA
Se-75 (22) (0)		5.8E -2 ( -1.9 - 1.9)E 0 (0/ 22)		SWL-3	2.0E -1 ( -1.9 - 1.9)E 0 (0/ 11)	NO DATA
Nb-95 (22) (0)	15	3.8E -1 ( -1.0 - 4.0)E 0 (0/ 22)		SWL-2	5.7E -1 ( -1.0 - 4.0)E 0 (0/ 11)	NO DATA



Table 3.1  
Radiological Environmental Program Summary  
Donald C. Cook Nuclear Plant  
(January - December 2019)

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations		Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**		Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
Zr-95 (22) (0)	30	7.1E -3 ( -3.4 - 6.6)E 0 (0/ 22)		SWL-2	4.6E -1 ( -3.4 - 6.6)E 0 (0/ 11)	NO DATA
Ru-103 (22) (0)		-8.0E -1 ( -3.1 - 0.5)E 0 (0/ 22)		SWL-3	-6.0E -1 ( -2.2 - 0.3)E 0 (0/ 11)	NO DATA
Ru-106 (22) (0)		-7.0E -1 ( -1.6 - 1.7)E 1 (0/ 22)		SWL-3	1.6E 0 ( -5.9 - 16.7)E 0 (0/ 11)	NO DATA
Ag-108m (22) (0)		2.8E -2 ( -1.6 - 2.6)E 0 (0/ 22)		SWL-3	1.1E -1 ( -1.6 - 1.6)E 0 (0/ 11)	NO DATA
Ag-110m (22) (0)		3.5E -1 ( -1.4 - 4.5)E 0 (0/ 22)		SWL-3	7.1E -1 ( -1.3 - 4.5)E 0 (0/ 11)	NO DATA
Sb-124 (22) (0)		2.2E -1 ( -3.7 - 6.5)E 0 (0/ 22)		SWL-3	2.9E -1 ( -2.0 - 3.3)E 0 (0/ 11)	NO DATA
Sb-125 (22) (0)		-8.9E -2 ( -3.6 - 3.5)E 0 (0/ 22)		SWL-2	7.0E -2 ( -3.5 - 3.5)E 0 (0/ 11)	NO DATA
I-131 (22) (0)	1	2.0E -1 ( -1.4 - 0.7)E 1 (0/ 22)		SWL-3	1.1E 0 ( -7.5 - 7.4)E 0 (0/ 11)	NO DATA
Cs-134 (22) (0)	15	1.4E -1 ( -2.2 - 2.2)E 0 (0/ 22)		SWL-3	4.1E -1 ( -6.4 - 21.8)E -1 (0/ 11)	NO DATA
Cs-137 (22) (0)	18	1.7E -1 ( -1.7 - 2.3)E 0 (0/ 22)		SWL-3	4.8E -1 ( -2.5 - 23.3)E -1 (0/ 11)	NO DATA
Ba-140 (22) (0)	60	1.3E -1 ( -1.8 - 2.2)E 1 (0/ 22)		SWL-2	3.0E 0 ( -1.7 - 2.2)E 1 (0/ 11)	NO DATA
La-140 (22) (0)	15	-7.2E -1 ( -4.5 - 4.5)E 0 (0/ 22)		SWL-3	-3.5E -1 ( -4.5 - 3.3)E 0 (0/ 11)	NO DATA

**Table 3.1**  
**Radiological Environmental Program Summary**  
**Donald C. Cook Nuclear Plant**  
**(January - December 2019)**

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

Radionuclides (No. Analyses) Non-Routine*	Required LLD	Indicator Stations	Station With Highest Mean		Control Stations
		Mean*** Range No. Detected**	Station	Mean*** Range No. Detected**	Mean*** Range No. Detected**
<b>Ce-141</b> (22) (0)		-1.7E 0 ( -1.2 - 0.6)E 1 (0/ 22)	SWL-2	-3.8E -1 ( -6.0 - 5.5)E 0 (0/ 11)	NO DATA
<b>Ce-144</b> (22) (0)		-9.5E -1 ( -1.1 - 1.2)E 1 (0/ 22)	SWL-3	-6.8E -1 ( -5.0 - 5.1)E 0 (0/ 11)	NO DATA
<b>Ac-228</b> (22) (0)		-3.4E -1 ( -1.2 - 2.3)E 1 (1/ 22)	SWL-2	1.4E 0 ( -1.1 - 2.3)E 1 (0/ 11)	NO DATA
<b>Th-228</b> (22) (0)		1.5E 0 ( -2.7 - 9.3)E 0 (0/ 22)	SWL-2	2.3E 0 ( -1.4 - 9.3)E 0 (0/ 11)	NO DATA

\* 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  
2019  
Environmental TLD Exposure Rate Measurements  
( $\mu\text{R/hr.}$ )

	Onsite TLDs	Offsite and Control TLDs	Highest Mean (SBN)
Mean	5.3 $\pm$ 0.5	5.7 $\pm$ 0.7	7.4 $\pm$ 0.4
Range	4.4 - 7.6	4.5 - 7.7	6.8 - 7.7
No. of Measurements*	48	60	4

\*Each measurement was based on quarterly readings from three TLD elements.  
Units are  $\mu\text{R}$  (micro-roentgen) per hour.

Table 3.3

2019  
ENVIRONMENTAL TLD DATA SUMMARY

Exposure Rate  
( $\mu\text{R/hr.} \pm 1 \text{ std. dev.}$ )

Station Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Average Annual Exposure Rate ( $\mu\text{R/hr}$ )
T-01	5.1 $\pm$ 0.3	5.1 $\pm$ 0.4	5.4 $\pm$ 0.2	5.7 $\pm$ 0.4	5.3
T-02	4.9 $\pm$ 0.3	5.0 $\pm$ 0.2	5.1 $\pm$ 0.2	5.4 $\pm$ 0.4	5.1
T-03	5.1 $\pm$ 0.5	4.6 $\pm$ 0.1	5.1 $\pm$ 0.3	5.3 $\pm$ 0.4	5.0
T-04	6.2 $\pm$ 0.3	6.1 $\pm$ 0.2	6.3 $\pm$ 0.4	6.2 $\pm$ 0.3	6.2
T-05	5.3 $\pm$ 0.4	5.0 $\pm$ 0.2	5.2 $\pm$ 0.1	5.5 $\pm$ 0.3	5.3
T-06	4.8 $\pm$ 0.2	4.9 $\pm$ 0.2	5.4 $\pm$ 0.2	5.5 $\pm$ 0.4	5.2
T-07	4.8 $\pm$ 0.3	4.9 $\pm$ 0.1	5.3 $\pm$ 0.3	5.4 $\pm$ 0.3	5.1
T-08	5.2 $\pm$ 0.2	4.9 $\pm$ 0.2	5.3 $\pm$ 0.1	5.5 $\pm$ 0.3	5.2
T-09	4.5 $\pm$ 0.2	4.4 $\pm$ 0.1	4.7 $\pm$ 0.1	4.7 $\pm$ 0.2	4.6
T-10	5.2 $\pm$ 0.2	5.0 $\pm$ 0.2	5.4 $\pm$ 0.2	5.7 $\pm$ 0.5	5.3
T-11	4.9 $\pm$ 0.3	4.9 $\pm$ 0.2	7.6 $\pm$ 0.5	5.4 $\pm$ 0.2	5.7
T-12	5.0 $\pm$ 0.3	5.0 $\pm$ 0.2	5.4 $\pm$ 0.2	5.1 $\pm$ 0.2	5.1
NBF	5.7 $\pm$ 0.4	5.1 $\pm$ 0.3	5.6 $\pm$ 0.2	5.6 $\pm$ 0.4	5.5
SBN	7.2 $\pm$ 0.3	6.8 $\pm$ 0.3	7.7 $\pm$ 0.4	7.7 $\pm$ 0.4	7.4
DOW	5.1 $\pm$ 0.2	4.8 $\pm$ 0.2	5.0 $\pm$ 0.2	5.1 $\pm$ 0.3	5.0
COL	4.9 $\pm$ 0.2	4.5 $\pm$ 0.2	4.9 $\pm$ 0.1	5.1 $\pm$ 0.2	4.9
OFT-1	5.0 $\pm$ 0.3	4.7 $\pm$ 0.3	5.2 $\pm$ 0.2	5.5 $\pm$ 0.4	5.1
OFT-2	5.2 $\pm$ 0.3	5.2 $\pm$ 0.3	5.7 $\pm$ 0.2	5.7 $\pm$ 0.2	5.5
OFT-3	5.4 $\pm$ 0.2	5.1 $\pm$ 0.4	6.2 $\pm$ 0.3	5.6 $\pm$ 0.2	5.6
OFT-4	5.5 $\pm$ 0.3	5.3 $\pm$ 0.2	6.1 $\pm$ 0.3	5.9 $\pm$ 0.2	5.7
OFT-5	5.2 $\pm$ 0.2	5.2 $\pm$ 0.2	5.5 $\pm$ 0.2	5.6 $\pm$ 0.3	5.4
OFT-6	6.4 $\pm$ 0.3	6.3 $\pm$ 0.3	7.1 $\pm$ 0.3	6.7 $\pm$ 0.3	6.6
OFT-7	5.3 $\pm$ 0.2	5.1 $\pm$ 0.3	5.7 $\pm$ 0.2	5.3 $\pm$ 0.2	5.4
OFT-8	6.1 $\pm$ 0.2	6.1 $\pm$ 0.3	6.4 $\pm$ 0.2	6.3 $\pm$ 0.3	6.2
OFT-9	5.9 $\pm$ 0.3	5.4 $\pm$ 0.2	5.9 $\pm$ 0.3	5.7 $\pm$ 0.5	5.7
OFT-10	5.3 $\pm$ 0.3	5.2 $\pm$ 0.3	5.4 $\pm$ 0.2	5.3 $\pm$ 0.2	5.3
OFT-11	6.5 $\pm$ 0.2	5.7 $\pm$ 0.2	6.4 $\pm$ 0.3	6.5 $\pm$ 0.3	6.3

## 4.0 ANALYSIS OF ENVIRONMENTAL RESULTS

### 4.1 Sampling Program Deviations

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

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

The following deviations were noted for the 2019 sampling program:

1. 1/1/2019 through 12/31/2019: 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 2019. 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 2019. Broadleaf sampling in lieu of milk was performed.
2. February 2019: Some surface water samples were unable to be taken due to environmental conditions (ice buildup on the lake).
3. Third Quarter 2019: Groundwater sample from well W-1 was unobtainable due to a loss of power to the feed pole and the road not being safe enough to traverse with a truck and generator. The feed pole was fixed prior to the fourth quarter sample period. This loss of power was documented in Action Way. All other quarterly samples for 2019 were collected.
4. During 2019, the only control fish samples we were able to collect were from the offsite north; samples from an offsite south (control) location were unable to be collected due to no fish available during several fishing opportunities. An entry in Action Way was made to document this and the change in the fishing process (from gill net to hook and line).

### 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 were no missed LLD's in 2019.

#### 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 2019.

#### 4.4 Data Analysis by Media Type - Discussion

The 2019 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 2019). 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:

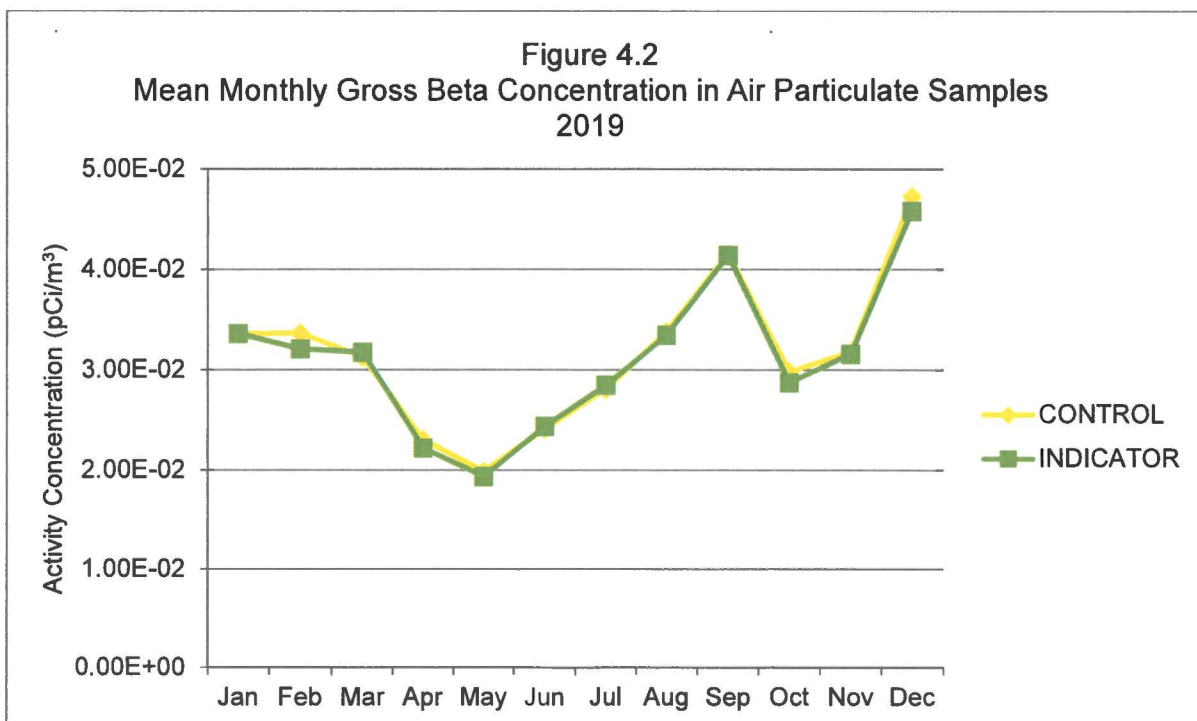
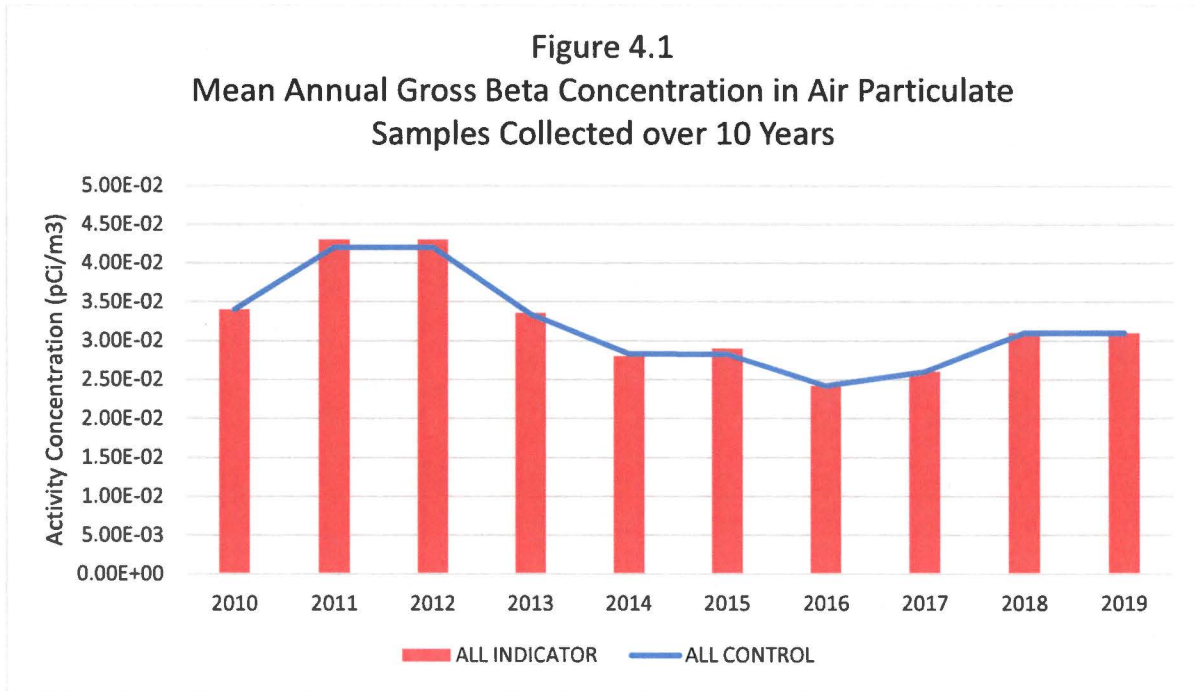
- Unusually harsh weather conditions experienced locally which would lock potential airborne radioactivity in frozen soil or under snow,
- Changes (increases) in the local average rainfall which would reduce the amount of airborne particulates available to influence the air particulate samples,
- Changes 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, and naturally-occurring K-40 was detected in one indicator sample. 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.





#### 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 2019. 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)

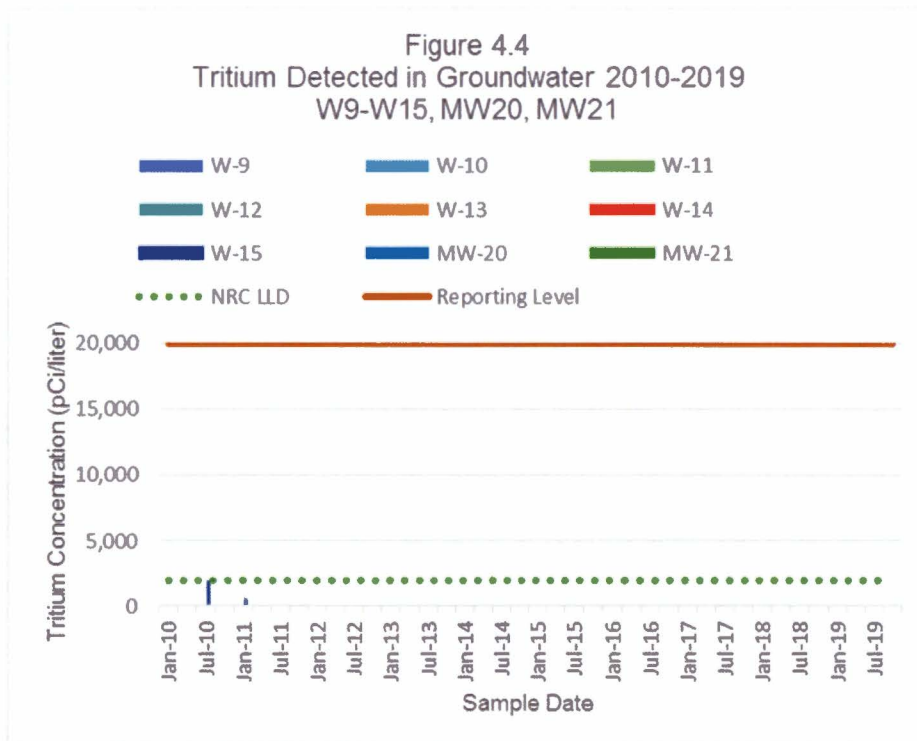
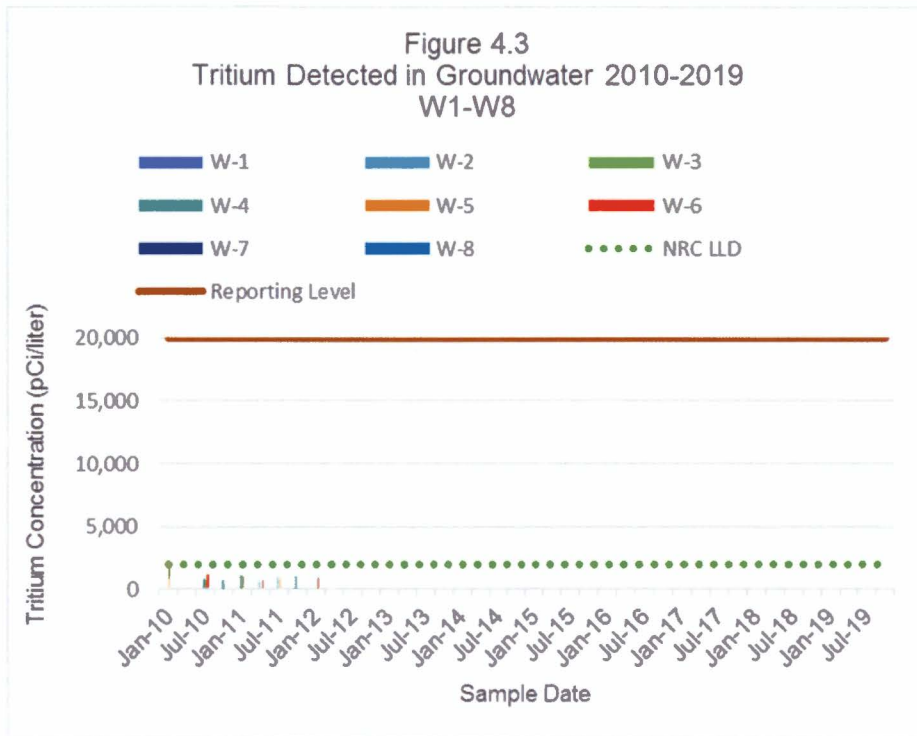
Groundwater samples were collected from seventeen well locations on a quarterly frequency and analyzed for gamma isotopic and tritium [See Table 3.1].

The presence of K-40 was identified in three samples out of sixty-seven samples. The presence of K-40 in groundwater samples is attributed to natural occurrences since it is not fission or activation products related to plant operations.

Tritium was not detected above the associated MDC in any 2019 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.



#### 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.

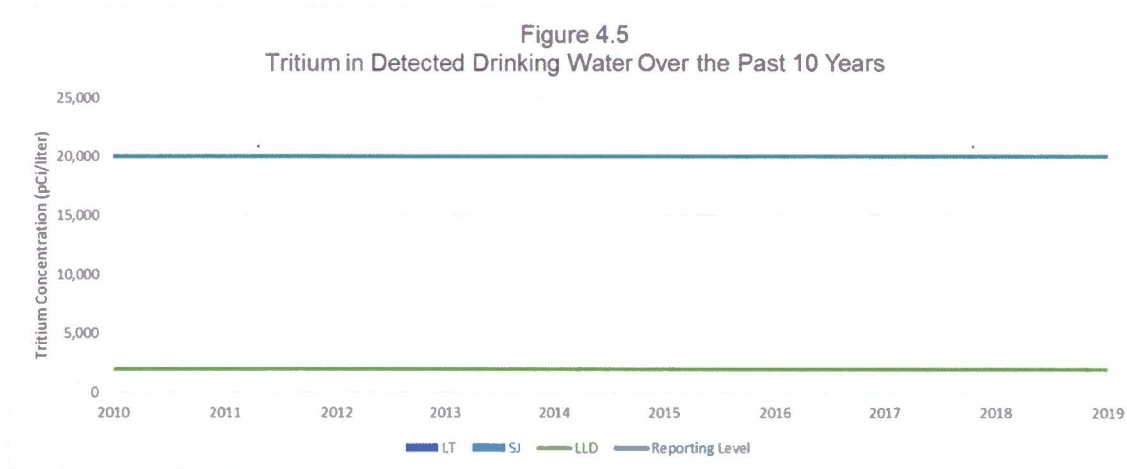
A specific Iodine-131 low-level analysis performed on all samples indicated that no Iodine-131 was present.

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 2019.

During 2019, the presence of gross beta radioactivity was not identified in any indicator or control samples.

No gamma emitting radionuclides were detected above the MDC.

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.



#### 4.4.5 Surface Water

Surface water samples were collected daily from two indicator locations, when available (See section 4.1 for sampling program deviations). Monthly composites were analyzed for gamma-emitting radionuclides and quarterly composites were analyzed for tritium. Two gamma-emitting radionuclides were detected above the MDC, naturally-occurring K-40 and naturally-occurring Ac-228. Tritium was not detected above the MDC in any of the samples collected in 2019.

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 2019.

#### 4.4.6 Sediment

Semiannual samples of lake sediments were collected from two indicator stations and analyzed for gamma-emitting nuclides. During 2019, K-40 and Th-228 were detected in all four samples. Additionally, two samples contained Ac-228. These radionuclides are all naturally-occurring with Ac-228 and Th-228 being associated with the naturally-occurring thorium decay series. No other gamma-emitting nuclides were detected in any of the samples collected in 2019. Unlike many past operational and pre-operational periods where traces of Cs-137 were found, no detectable Cs-137 was identified in 2019 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 2019, as milking operations ceased at the indicator farm (Shafer) in September 2014, and at the control farm (Livinghouse) in October 2014.

Condition Reports 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. No other gamma-emitting nuclides were detected in any of the samples.

One annual sample of food products (blackberries and grapes) each from two indicators and one control location was analyzed for gamma-emitting nuclides. Analysis identified the presence of naturally-occurring K-40 and Be-7 in both indicator and control. While food product sampling was not performed as part of CNP's PRMP, the information detailed above was evaluated and found to be consistent with data obtained during the plant's operational history. The presence of the naturally-occurring detected radionuclide was not attributed to plant operations.

#### 4.4.9 Fish

REMP fish samples were collected on three occasions at two indicator locations resulting in four samples and on one occasion at two control locations resulting in three samples (see Section 4.1 for sampling program deviations). All seven samples were of sport fish. K-40 was detected in all the samples. A trace level of Cesium-137 was observed in one indicator sample, with a concentration of 18.4 pCi/kg, and in one control sample, with a concentration of 20.5 pCi/kg. In the past, non-REMP perch, salmon, and trout sampling was performed. Due to the change in 2019 from gill net to hook and line fishing, and the fact that all REMP samples were of edible sport fish, no non-REMP sport fish samples were taken. An entry was made in Action Way to document the change in fishing process during 2019, the potential it has to change how many samples are collected, but that all samples will be sportfish. The entry also noted applicable procedures have been revised to permit this change in fishing method.

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

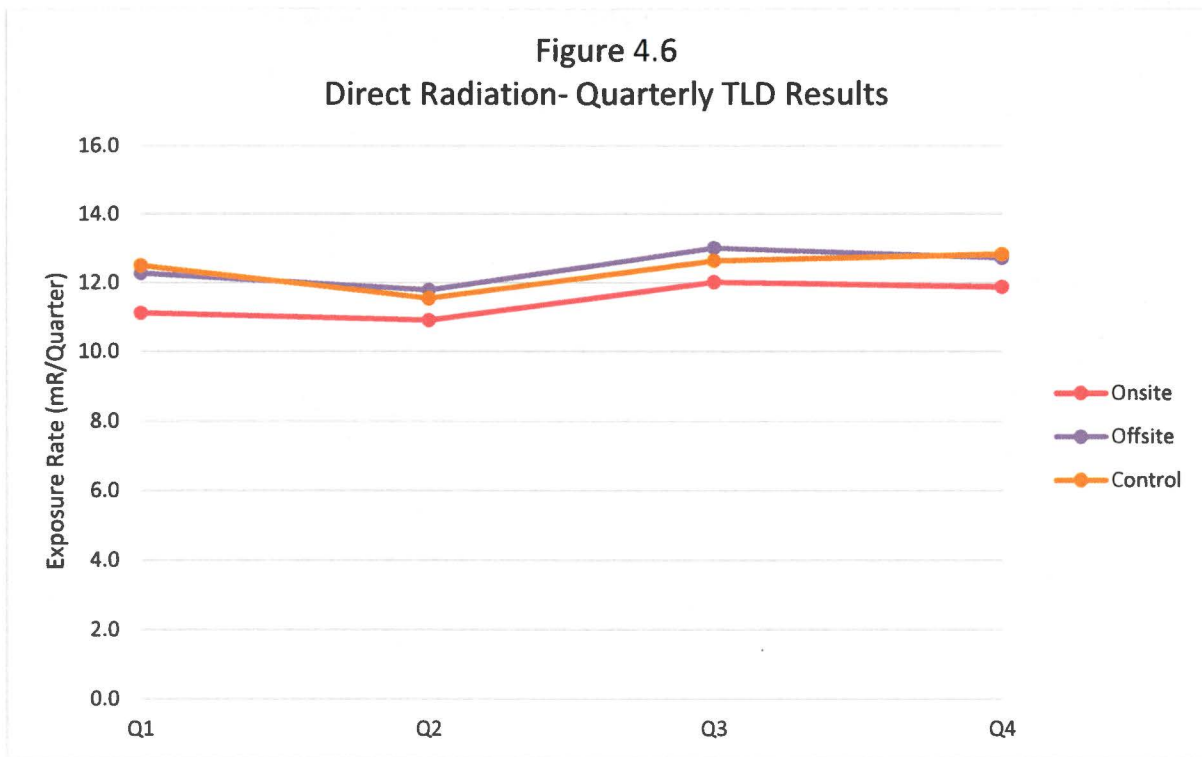
Direct radiation was continuously measured at 27 locations surrounding CNP with TLDs. All TLDs were collected quarterly and processed by Stanford Dosimetry at the Environmental Dosimetry Company laboratory in Sterling, Massachusetts.

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 2019. 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.

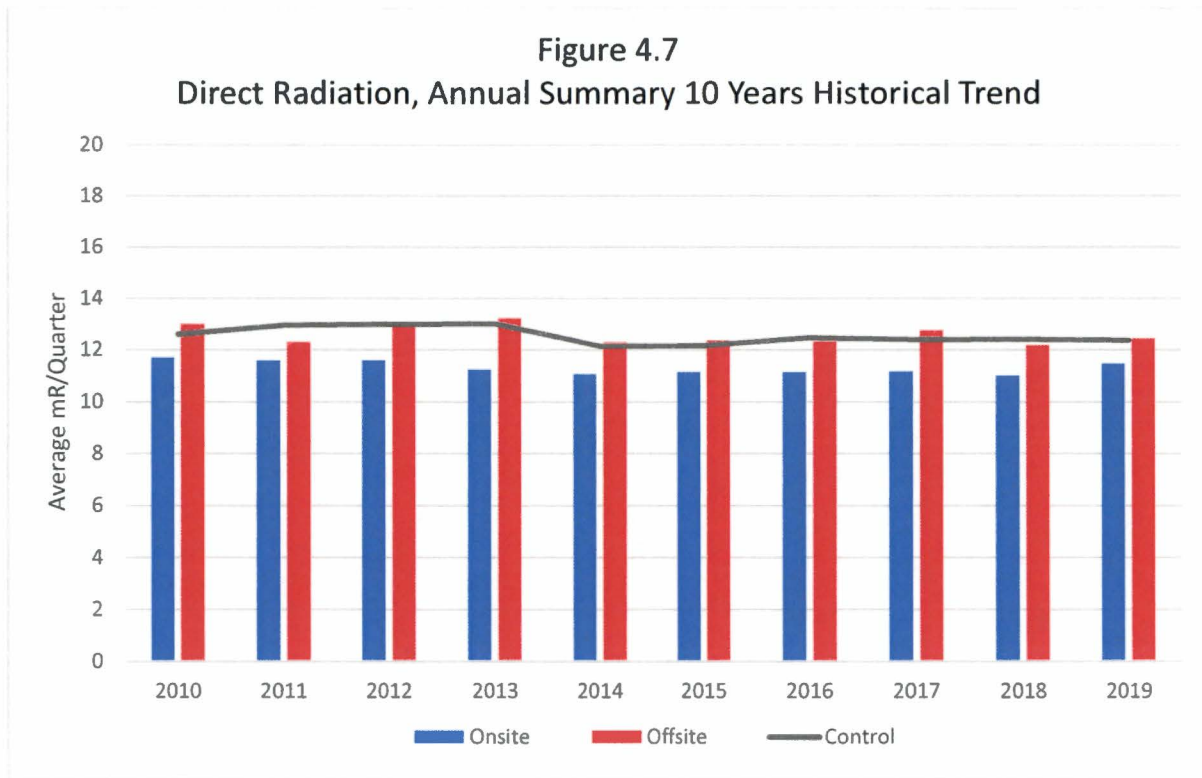
In July 2010, the Environmental Dosimetry Company assumed responsibility for calibration and processing of the TLDs used for these activities. The Panasonic Model UD-814 AS4 TLDs that had historically been used to measure direct radioactivity around CNP continued to be in use.

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







#### 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 activities were identified in thirteen out of sixteen samples and levels are consistent with historical values.

Gross alpha was identified in SG-4 and naturally-occurring Th-228 was identified in SG-5, both of which are consistent with historical results. Measured tritium activities in the samples were all found to be less than the MDC. No plot for this data was possible because since 2007, there has been no positive identification of tritium in the wells SG-1 through SG-5. Tritium in these wells is also being tracked by the CNP Groundwater Protection Initiative and is discussed further in Appendix F.

## 5.0 OFF-SITE DOSE EQUIVALENT COMMITMENTS

The purpose of this section is to evaluate off-site dose consequences (dose equivalent commitments) associated with CNP radioactive liquid and airborne effluents. The method utilizes Regulatory Guide 1.109/ODCM models and actual measurements of the concentrations of radioactivity in environmental media to compute the dose consequences resulting from the consumption of these foods. The doses are based on an assumption that the individuals consume fish year round at the respective average Cs-137 concentrations determined during 2019. The maximum consumption rates from Regulatory Guide 1.109 are also assumed, although the consumption fraction was conservatively assumed to cover the entire time period in which Cesium was measured in the fish samples.

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

Trace levels of Cesium-137 were detected in two REMP samples and are detailed in Table 5.1 and dose summarized in Table 5.2. The concentrations ranged from 18.4 to 20.5 pCi/kg, both 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 2.92E-02 mrem/year total body (for the adult age group) and 4.64E-02 mrem/year to the liver (for the teen age group). This represents 1.0% 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	OFS-N	488723002	20.5	8/20/2019
Fish	ONS-N	497669001	18.4	11/25/2019
		Average	19.5	

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

Table 5.2, below, summarizes the maximum dose commitments calculated based on the consumption of fish that had positive results for radionuclides that are not naturally occurring.

**Table 5.2: Summary of Off-Site Dose Commitments**

Media	Radionuclide	Limiting Organ [age group]	Organ Dose (mrem/yr.)	Whole Body Dose (mrem/yr.)
Fish	Cs-137	Liver [Teen]	4.64E-02	2.92E-02

**6.0 SUMMARY OF REMP, ODCM, AND VENDOR PROCEDURE CHANGES**

The following changes were made to the ODCM, Revision 26, in 2019 that were pertinent to the REMP:

<b>Alteration</b>	<b>Justification</b>
An editorial correction to clarify steps was made to Section 3.5.1.b.	Reworded the step so that all bullets were accounted for in the discussion, as the original wording left off discussion on the final bullet.

<b>Alteration</b>	<b>Justification</b>
Added notation "***" for Fish samples in Attachment 3.19.	Added note to provide additional flexibility when obtaining fish samples due to the transient nature of fish and issues with finding them in our fixed sample spots during sampling evolutions. This does not alter intent and will enhance compliance.

<b>Alteration</b>	<b>Justification</b>
Added an editorial enhancement that replaced the term "grapes" with "food products".	Replacement of the "grapes" with "food product" adds additional flexibility on food harvests which vary from season to season. This does not alter intent and will enhance compliance with the Reg. Guide 1.109. AR#2017-10263-6

The following changes were made to CNP REMP procedures in 2019:

Procedure No.: 12-THP-6010-RPP-636 Rev. No.: 06  
Title: Collection of Fish Samples

<b>Alteration</b>	<b>Justification</b>
Procedure was revised due to changes in the fish sampling method. Steps were enhanced to provide more than one means of collecting fish samples which meet the requirements of NUREG 1301 and Branch Technical Position.	Per discussion with the MDNR, use of gill nets is no longer an approved method.

Procedure No.: 12-THP-6010-RPP-630 Rev. No.: 09  
Title: Collection of REMP Surface Water Samples

<b>Alteration</b>	<b>Justification</b>
Overhaul of the procedure for clarity of use.	Made as part of the knowledge transfer and retention program.

There were no revisions to procedures for the Environmental Dosimetry Company in 2019.

Table 6.1 below summarizes the changes made by GEL Laboratories during 2019 to the procedures that are used for the Donald C. Cook Nuclear Plant REMP.

**Table 6.1**  
**GEL 2019 Procedure Changes**

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-QS-B-001	32	Quality Assurance Plan	8-Mar-19	Revision
GL-IT-E-007	6	User Roles and Responsibilities for Personnel Using Computer Services	19-Feb-19	Revision
GL-OA-E-059	18	Analysis of 1,2-Dibromoethane (EDB), 1,2-Dibromo-3-Chloropropane (DBCP) and 1,2,3-Trichloropropane in Water by GC/ECD Using Methods 504.1 or 8011	11-Feb-19	Change
GL-QS-E-019	3	Trending of Proficiency Evaluation (PE) Samples	24-Jan-19	Revision
GL-OA-E-079	0	The Extraction of Herbicides using Solid Phase Extraction	1-Mar-19	New Document
GL-RAD-D-005	3	REMP Quality Control Package Assembly	14-Aug-19	Revision
GL-RAD-A-033	14	Determination of Chlorine-36 in Solid and Liquid Samples	23-Jan-19	Change
GL-RAD-I-013	6	Column Preparation	31-Jan-19	Revision
GL-RAD-B-042	0	The Isotopic Determination of Thorium and Neptunium in Fecal Samples	22-Mar-19	Revision
GL-CS-M-001	9	Project Management AlphaLIMS Manual	11-Feb-19	Revision
GL-RAD-B-012	16	The Ashing of Fecal, Bone, and Tissue Samples	31-Jan-19	Revision
GL-OA-E-038	26	Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer	14-Mar-19	Revision
GL-CHL-RAD-011	0	Percent U-235 by Isotopic Uranium Checklist	16-Jan-19	Revision
GL-RAD-A-011	26	The Isotopic Determination of Americium, Curium, Plutonium, and Uranium	29-Jan-19	Revision
GL-CHL-B-019	1	LANL QC Package Checklist	9-Jan-19	Revision
GL-GC-E-028	24	Carbonaceous Biochemical Oxygen Demand (CBOD)	31-Jan-19	Revision
GL-GC-E-045	25	Biochemical Oxygen Demand (BOD)	31-Jan-19	Revision
GL-OA-E-050	10	The Extraction of Semivolatile and Nonvolatile Organic Compounds from Oil	24-Jan-19	Revision
GL-RAD-A-010	17	Total Alpha Radium Isotopes in Soil and Water	24-Jan-19	Change
GL-RAD-A-018	14	The Determination of Lead-210 in Liquid and Solid Matrices	29-Jan-19	Change
GL-RAD-A-004	20	The Determination of Strontium 89/90 in Water, Soil, Milk, Filters, Vegetation and Tissues	15-Feb-19	Change

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-RAD-A-063	2	The Determination of Radium-228 Using DGA Cartridges	31-Jan-19	Change
GL-CHL-RAD-003	0	Relative Error Ratio or Normalized Absolute Difference Checklist	16-Jan-19	Revision
GL-CHL-RAD-025	1	Isotopic AlphaSpec Calcs Checklist	16-Jan-19	Revision
GL-RAD-A-029	15	The Determination of Strontium-89/90 in Drinking Water by EPA Method 905.0	28-Feb-19	Change
GL-RAD-A-030	20	Determination of Radium-228 in Drinking Water	29-Jan-19	Change
GL-RAD-A-044	9	Total Alpha Radium Isotopes in Drinking Water	29-Jan-19	Change
GL-LB-E-034	3	Laboratory Filtration Samples	31-Jan-19	Revision
GL-AP-E-001	8	Invoicing Analytical Lab Numbers	13-Mar-19	Revision
GL-QS-E-011	10	Method Validation and Initial and Continuing Demonstrations of Capability	23-Jan-19	Revision
GL-OA-E-069	2	Continuous Liquid-Liquid Extraction	24-Jan-19	Deletion
GL-SR-E-001	47	Sample Receipt, Login, and Storage	19-Feb-19	Revision
GL-OA-E-027	16	The Extraction of Herbicides from Soil and Sludge Samples	12-Mar-19	Revision
GL-OA-E-078	0	The Extraction and Analysis of Cannabinoids High Performance Liquid Chromatography	1-Mar-19	New Document
GL-OA-E-026	27	Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer	15-Feb-19	Revision
GL-GC-E-132	1	Hexavalent Chromium Analysis Using the Lachat Quickchem FIA + 8000 Series Instrument	15-Feb-19	Revision
GL-QS-E-007	13	Thermometer Verification	5-Feb-19	Revision
GL-RAD-B-002	15	The Determination of Polonium-210 or Radium-226 in Bioassay Samples	5-Feb-19	Change
GL-RAD-S-009	8	Personnel Dosimetry	27-Feb-19	Revision
GL-GC-E-094	16	N-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated N- Hexane Extractable Material (SGT-HEM, Non-Polar Material) in Aqueous Matrices	13-Mar-19	Revision
GL-GC-E-086	25	Ion Chromatography (IC)	13-Mar-19	Revision
GL-OA-E-009	41	Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry	21-Feb-19	Change
GL-RAD-I-018	1	Operation of Wallac 1480 of Gamma Wizard	21-Feb-19	Revision
GL-CO-E-002	10	Delegated Authority to Commit the Company	19-Feb-19	Revision
GL-CO-E-003	10	Request for Proposal (RFP) and Contract Review	28-Feb-19	Revision
GL-RAD-S-001	21	Radiological Surveys	1-May-19	Revision

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-QS-B-002	11	DoD ELAP Quality Assurance Plan	19-Feb-19	Deletion
GL-OA-E-041	19	Organochlorine Pesticides and Chlorinated Hydrocarbons	27-Mar-19	Change
GL-QS-E-005	9	Review of Monitoring Device Logs	26-Feb-19	Revision
GL-RAD-A-001B	19	The Determination of Gross Alpha And Gross Non-Volatile Beta in Soil, Filters, Solid Matrices And Direct Count Air Filters	21-Mar-19	Revision
GL-RAD-A-015	17	Digestion for Soil	21-Mar-19	Change
GL-IT-E-011	6	System Security and Virus Protection	22-Apr-19	Revision
GL-GC-E-096	8	Perchlorate by Ion Chromatography (IC)	21-Mar-19	Revision
GL-OA-E-033	23	Nitroaromatics and Nitramines by High Performance Liquid Chromatography (HPLC)	18-Apr-19	Revision
GL-RC-E-002	9	Material Requisition	26-Mar-19	Revision
GL-RC-E-001	6	Receipt and Inspection of Material and Services	21-Mar-19	Revision
GL-RAD-A-038	17	The Isotopic Determination of Thorium	5-Apr-19	Revision
GL-RAD-A-036	11	The Isotopic Determination of Americium, Curium, and Plutonium in Large Soil Samples	5-Apr-19	Revision
GL-RAD-A-016	18	The Determination of Radiometric Polonium	5-Apr-19	Revision
GL-GC-E-132	2	Hexavalent Chromium Analysis Using the Lachat Quickchem FIA + 8000 Series Instrument	10-May-19	Revision
GL-CS-E-008	4	Prelogin, Login, and Login Review	1-May-19	Revision
GL-SR-E-005	0	Wipe Test	19-Apr-19	Revision
GL-LB-X-001	0	Facility Closure Plan	9-Apr-19	New Document
GL-OA-E-076	6	The Extraction and Analysis of Per and Polyfluoroalkyl Substances Using LCMSMS	17-May-19	Revision
GL-RAD-B-001	50	The Sequential Determination of Isotopic Americium, Curium, Californium, Plutonium, Strontium, and Uranium in Urine	13-Jun-19	Revision
GL-LB-E-013	14	CLP-Like/DOE Data Package Assembly and Revision	25-Apr-19	Revision
GL-OA-E-004	27	Volatile Total Petroleum Hydrocarbons by Flame Ionization Detector	17-Jun-19	Revision
GL-QS-E-007	14	Thermometer Verification	9-May-19	Revision
GL-RC-E-002	10	Material Requisition	10-May-19	Change
GL-RAD-B-020	10	The Determination of Ni-59 and Ni-63 In Urine	13-Jun-19	Revision
GL-LB-E-027	6	Bioassay Kit Delivery and Retrieval	2-Jul-19	Change

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-RAD-B-030	6	The Preparation and Determination of Gamma Isotopes in Urine and Fecal Samples	13-Jun-19	Change
GL-RAD-A-063	3	The Determination of Radium-228 Using DGA Cartridges	18-Jun-19	Change
GL-RAD-S-001	22	Radiological Surveys	11-Jun-19	Change
GL-RAD-B-008	12	The Determination of Gross Alpha Activity in Nasal Swipes	17-Jun-19	Revision
GL-RAD-B-002	16	The Determination of Polonium-210 or Radium-226 in Bioassay Samples	23-Jul-19	Revision
GL-QS-E-001	25	Conduct of Quality Audits	9-Jul-19	Revision
GL-OTH-R-002	1	Periodic Contamination Control Training	18-Jun-19	Deletion
GL-RAD-A-022	18	The Determination of Ni-59 and Ni-63	7-Aug-19	Revision
GL-RAD-A-002	22	The Determination of Tritium	7-Aug-19	Revision
GL-RAD-D-006	9	Equations Used in Data Reduction for Environmental Radiochemistry	24-Jul-19	Revision
GL-OA-E-011	24	Analysis of Chlorophenoxy Acid Herbicides by ECD	18-Jul-19	Change
GL-OA-E-009	42	Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry	22-Jul-19	Change
GL-RAD-B-039	4	The Determination of Iron-55 in Urine	23-Jul-19	Revision
GL-RAD-B-016	9	The Determination of Technetium-99 in Urine	23-Jul-19	Revision
GL-RAD-B-040	3	The Determination of Radium-224 and Radium-226 by Alpha Spectroscopy in Bioassay Samples	7-Aug-19	Revision
GL-GC-E-086	26	Ion Chromatography (IC)	31-Jul-19	Revision
GL-GC-E-035	13	Volatile Suspended Solids	31-Jul-19	Revision
GL-GC-E-079	9	Bomb Preparation Method for Solid Waste	31-Jul-19	Revision
GL-GC-E-094	17	N-Hexane Extractable Material (HEM; Oil and Grease) and Silica Gel Treated N- Hexane Extractable Material (SGT-HEM, Non-Polar Material) in Aqueous Matrices	1-Aug-19	Revision
GL-GC-E-009	16	Conductivity and Salinity	31-Jul-19	Revision
GL-GC-E-090	12	Acidity	14-Aug-19	Revision
GL-GC-E-100	7	Total Hardness by Titration	31-Jul-19	Revision
GL-GC-E-076	16	Total Residual Chlorine	1-Aug-19	Revision
GL-GC-E-052	10	Sulfide (Methylene Blue Method)	1-Aug-19	Revision
GL-GC-E-037	15	Turbidity	20-Aug-19	Revision
GL-GC-E-061	20	Chemical Oxygen Demand (COD) - Digestion Reactor Method	8-Aug-19	Revision



SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-OA-E-026	28	Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer	21-Aug-19	Revision
GL-GC-E-040	16	Pretreatment of Cyanide Amenable to Chlorination	8-Aug-19	Revision
GL-GC-E-072	17	Ammonia-Nitrogen Sample Preparation	9-Aug-19	Change
GL-GC-E-071	16	Total Phosphorous and Total Kjeldahl Nitrogen Sample Preparation	9-Aug-19	Change
GL-GC-E-102	9	Total Recoverable Phenol by the Lachat QuikChem FIA+ 8000 Series	9-Aug-19	Revision
GL-GC-E-093	15	Total, Total Inorganic, and Total Organic Carbon (TOC) Using the OI Analytical Model 1010 TOC Analyzer	27-Aug-19	Revision
GL-GC-E-028	25	Carbonaceous Biochemical Oxygen Demand (CBOD)	14-Aug-19	Revision
GL-GC-E-045	26	Biochemical Oxygen Demand (BOD)	20-Aug-19	Revision
GL-GC-E-059	7	Dissolved Oxygen Analysis by Membrane Electrode Method	14-Aug-19	Revision
GL-OA-E-003	30	Non-Volatile Total Petroleum Hydrocarbons by Flame Ionization Detector	20-Aug-19	Change
GL-OA-E-015	19	The Extraction of Herbicides from Groundwater, Wastewater and Other Aqueous Samples	3-Oct-19	Revision
GL-GC-E-052	11	Sulfide (Methylene Blue Method)	19-Aug-19	Revision
GL-QS-E-007	15	Thermometer Verification	7-Aug-19	Revision
GL-MA-E-010	36	Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer	19-Sep-19	Revision
GL-RAD-M-001	33	Preparation and Verification of Radioactive Standards	16-Dec-19	Change
GL-RAD-B-040	4	The Determination of Radium-224 and Radium-226 by Alpha Spectroscopy in Bioassay Samples	30-Oct-19	Change
GL-OA-E-038	27	Volatile Organic Compounds (VOC) by Gas Chromatograph/Mass Spectrometer	12-Sep-19	Revision
GL-GC-E-062	18	Total Carbon and Total Organic Carbon Analysis Using the OI Analytical 1030S TOC Solids Module	10-Oct-19	Revision
GL-FS-E-004	8	Field Total and Free Residual Chlorine	25-Sep-19	Revision
GL-OA-E-009	43	Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry	3-Oct-19	Change
GL-GC-E-012	15	Total Suspended Solids	25-Oct-19	Revision
GL-FS-E-003	8	Field Dissolved Oxygen	25-Sep-19	Revision
GL-FS-E-001	8	Field pH	25-Sep-19	Revision

SOP#	Rev	SOP Title	Issue Date	DIRR Type
GL-LB-N-001	19	Safety, Health and Chemical Hygiene Plan	30-Oct-19	Revision
GL-MA-E-010	37	Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer	25-Oct-19	Revision
GL-RAD-B-026	16	Bioassay Data Review, Validation, and Data Package Assembly	24-Oct-19	Revision
GL-GC-E-001	15	Total Dissolved Solids	25-Oct-19	Revision
GL-GC-E-011	15	Total Solids	25-Oct-19	Revision
GL-GC-E-035	14	Volatile Suspended Solids	25-Oct-19	Revision
GL-GC-E-057	10	Volatile Solids and % Ash Procedure for Water Samples	28-Oct-19	Revision
GL-FC-E-001	4	Facility Security	21-Nov-19	Revision
GL-OA-E-013	33	Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater, and Other Aqueous Samples	30-Oct-19	Revision
GL-OA-E-070	10	Solid-Phase Extraction	5-Nov-19	Change
GL-OA-E-076	7	The Extraction and Analysis of Per and Polyfluoroalkyl Substances Using LCMSMS	8-Nov-19	Revision
GL-QS-E-007	16	Thermometer Verification	5-Nov-19	Revision
GL-RAD-B-025	9	The Combination and Preservation of Urine Samples	19-Dec-19	Change
GL-RAD-A-065	2	The Determination of Carbon-14 in Atmospheric Screening Cartridges	6-Dec-19	Revision
GL-RAD-A-028	19	Radium-226 in Drinking Water by EPA Method 903.1	6-Dec-19	Revision
GL-MA-E-009	28	Acid Digestion of Sediments, Sludges, and Soils	18-Dec-19	Revision
GL-GC-E-037	16	Turbidity	6-Dec-19	Revision
GL-RAD-M-001	33	Preparation and Verification of Radioactive Standards	16-Dec-19	Revision
GL-OA-E-009	44	Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry	6-Dec-19	Change
GL-GC-E-130	6	Percent Ash Determined at 775 C Procedure for Solid and Semisolid Samples	10-Dec-19	Revision
GL-OA-E-077	0	The Extraction and Analysis of Cannabinoids by QuEChERS and GC/MS SIM	19-Dec-19	Change

## 7.0 REFERENCES

1. US NRC Radiological Assessment Branch Technical Position, "An Acceptable Radiological Environmental Monitoring Program," Revision 1, November 1979.
2. NCRP Report No. 94, Exposure of the Population in the United States and Canada from Natural Background Radiation, National Council on Radiation Protection and Measurements, 1987.

## 8.0 ERRATA

- 8.1 Figure 4.4 has been missing W-15 in the legend and graph. However, the well and its data have not been omitted from the reports. Results for W-15 have been included in appendix D, Data Summary, its location is shown on Figure 2.1 and Table 2.2, and when applicable, Table 3.1. This oversight has been corrected in this year's (2019) report. This error and its correction are being tracked in the Action Way (AWAY) program. (2020-3163)

**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<sup>3</sup>, 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  $\text{Na}_2\text{SO}_4$  (Sodium Sulphate) to iodide, the I-131 is precipitated with  $\text{AgNO}_3$  (Silver Nitrate). The precipitate is dissolved and purified with Zinc powder and  $\text{H}_2\text{SO}_4$  (Sulfuric Acid) and the solution is re-precipitated as  $\text{PdI}_2$  (Palladium Iodide), which is then filtered on to a polypropylene filter and counted on a low background gas flow proportional counter.

### H-3 ANALYSIS

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

The sample preparation step involves extracting H-3 from the matrix in the presence of  $\text{NaOH}$  (Sodium Hydroxide) and  $\text{KMnO}_4$  (Potassium Permanganate) allowing for sufficient equilibration time so that a complete transposition of tritium with stable hydrogen has occurred.

**APPENDIX B**

**2019 LAND USE CENSUS**

## 2019 Radiological Environmental Monitoring Program

### Land Use Census Summary

Date: September 30, 2019

#### 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 2019 LUC is detailed below.

#### Dairy Farm Survey

A dairy farm survey was conducted from September 4 through September 30, 2019, 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 operation was identified within Berrien County. This new operation (Double J Farm) performs limited milking activities for a couple of goats. With the exception of Andrews Dairy, the largest dairy farm in Berrien County, which ceased milking operations as of December 2018, none of the previously identified dairy farms (2017-18 LUC) ceased operations. Andrews Dairy will be deleted from this report in the 2019-20 census.

Currently, there are zero (0) indicator (within eight km of the CNP, with the highest dose potential) 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 indicator (within 8 km of CNP) milk farms/residences are needed to support the milk sampling program. Due to the minimum quantity of dairy farms/residences within the specified distance and sector not being met, the milk-sampling program continues to be considered suspended. In accordance with REMP guidance, broadleaf sampling "in-lieu of milk" continues to be conducted as a compensatory action for this condition.

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

Double J Farm (REMP Designation: JJF)  
Sector/Distance from CNP: F / 2.6 miles (13,892 feet)  
2661 Lemon Creek Road  
Baroda, MI 49101



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 4 through September 30, 2019, 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, one new farm which supports livestock (beef and/or goats) operations was identified within 5 miles of CNP; and one farm (Gary Hetlinger) ceased raising livestock for human consumption as of Spring of 2019 and will be deleted from this report in the 2019-20 census.

The location, which was determined to be the "Closest Livestock for Consumption (meat)," did not change from the 2018 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, 2018 to June 1, 2019, per Lake Township Building Inspector, Jim Gast, one new residential building permit was issued for residential construction in the Lake Township sections that border the CNP property (Sections 5, 6, 7, and 8). This addition did not change the location of the nearest residence. Additionally, there were zero (0) 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 4 through September 30, 2019, 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, 2019 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 2019 Land Use Census identified no relevant changes in usage to areas surrounding CNP. The identified changes in this report have been evaluated per PMP-6010-OSD-001 Off-Site Dose Calculation Manual, and represent no changes in dose commitment.

## **APPENDIX C**

### **Quality Assurance Program**

## Appendix C: Quality Assurance (QA) Programs

### GEL Laboratories QA

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

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

The results of GEL's assessment of their laboratory activities listed in this section entails their quality assurance program for the proficiency testing (PT) and environmental monitoring aspects of GEL for 2019. 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 "2019 Annual Quality Assurance Report for the Radiological Environmental Monitoring Program (REMP)", Revision 0, dated February 28, 2020, and includes:

- Intra-laboratory QC results analyzed during 2019.
- Inter-laboratory QC results analyzed during 2019 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 (EPA) 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, which 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 (19-RAD-001) was conducted in July and August, 2019. There were no findings or observations and four noteworthy improvements from this assessment.

### **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 - 120%. Specific instructions for out-of-control situations are provided in the applicable analytical SOP.

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

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

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

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

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

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

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

### **Summary of Data Results**

During 2019, 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 2019. Of the four hundred twenty-five (425) total results reported, 97.2% (413 of 425) 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 eighty-nine (89) individual environmental analyses. The accuracy of each result reported to Eckert & Ziegler Analytics, Inc. is measured by the ratio of GEL's result to the known value. All results fell within GEL's acceptance criteria (100%). Table C-2 list the results specific to the Eckert & Ziegler Analytics sample provided in 2019. No corrective action reports were noted for these results.



**Summary of Participation in the MAPEP Monitoring Program**

MAPEP Series 40 and 41 were analyzed by the laboratory. Of the one hundred twenty-eight (128) analyses, 98% (126 out of 128) of all results fell within the PT provider's acceptance criteria. Failures included: Iron-55 in soil in Series 40; Radium-226 in water in Series 41.

For the corrective actions associated with failures, refer to corrective actions CARR 190603-1212, and CARR 191212-1265 (Table C-5).

**Summary of Participation in the ERA MRaD PT Program**

The ERA MRad program provided samples (MRAD-30 and MRAD-31) for one hundred sixty-six (166) individual environmental analyses. Of the one hundred sixty-six (166) analyses, 96% (160 out of 166) fell within the PT provider's acceptance criteria. Failures included: Uranium-238 in soil, Strontium-90, Plutonium-238, Uranium-238, and Uranium-Total in vegetation in MRAD-30; Lead-212 in soil in MRAD-31.

For the corrective actions associated with failures, refer to corrective actions CARR 190530-1211, and CARR 191212-1262 (Table C-5).

**Summary of Participation in the ERA PT Program**

The ERA program provided samples (RAD-116, RAD-117, RAD-118, and 9116) for forty-two (42) individual environmental analyses. Of the 42 analyses, 90% (38 out of 42) of all results fell within the PT provider's acceptance criteria. Failures included: Strontium-89 in drinking water (RAD-116); Strontium-89 and Gross Alpha in water in RAD-118.

For the corrective actions associated with failures, refer to corrective actions CARR 190225-1192 and CARR 190826-1250 (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 2019. GEL has determined that causes of the failures did not impact any data reported to its clients.

**Table C-1**  
**2019 Inter-Lab Radiological Proficiency Testing Results and Acceptance Criteria**

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Barium-133	105	99.5	84.1 - 109	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Cesium-134	48.2	49.1	39.5 - 54.0	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Cesium-137	128	125	112 - 140	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Cobalt-60	104	96.4	86.8 - 108	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Zinc-65	88.1	77.4	69.5 - 93.2	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Gross Alpha	22.3	21.8	10.9 - 29.5	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Gross Alpha	23.5	21.8	10.9 - 29.5	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Gross Beta	43.6	55.7	38.1 - 62.6	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Radium-226	6.47	7.37	5.55 - 8.72	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Radium-228	3.99	4.28	2.48 - 5.89	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Radium-228	4.48	4.28	2.48 - 5.89	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Uranium (Nat)	70	68.2	55.7 - 75.0	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	µg/L	Uranium (Nat) mass	99.3	99.5	81.3 - 109	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Tritium	2160	2110	1740 - 2340	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Tritium	1920	2110	1740 - 2340	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Strontium-89	78.5	66.9	54.4 - 75.0	Not Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Strontium-89	76.5	66.9	54.4 - 75.0	Not Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Strontium-90	40.1	41	30.2 - 47.1	Acceptable
ERA	1st /2019	2/25/19	RAD-116	Water	pCi/L	Strontium-90	42.2	41	30.2 - 47.1	Acceptable
ERA	1st /2019	3/14/19	RAD-9116	Water	pCi/L	Iodine-131	27.4	25.9	21.5 - 30.6	Acceptable
ERA	1st /2019	3/14/19	RAD-9116	Water	pCi/L	Iodine-131	25.1	25.9	21.5 - 30.6	Acceptable
EZA	1st/2019	05/10/19	E12364	Cartridge	pCi	Iodine-131	7.80E+01	7.54E+01	1.03	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Cerium-141	1.23E+02	1.17E+02	1.05	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Cobalt-58	1.51E+02	1.43E+02	1.05	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Cobalt-60	3.12E+02	2.99E+02	1.04	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Chromium-51	3.04E+02	2.93E+02	1.04	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Cesium-134	1.53E+02	1.60E+02	0.96	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Cesium-137	2.04E+02	1.96E+02	1.04	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Manganese-54	1.55E+02	1.43E+02	1.08	Acceptable
EZA	1st/2019	05/10/19	E12366A	Milk	pCi/L	Iron-59	1.78E+02	1.59E+02	1.12	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/2019	05/10/19	E12366A	Milk	pCi/L	Zinc-65	2.42E+02	2.20E+02	1.1	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Cerium-141	1.20E+02	1.13E+02	1.06	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Cesium-134	1.43E+02	1.55E+02	0.92	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Cesium-137	2.09E+02	1.91E+02	1.10	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Chromium-51	3.55E+02	2.84E+02	1.25	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Cobalt-58	1.43E+02	1.39E+02	1.03	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Cobalt-60	3.18E+02	2.90E+02	1.10	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Iodine-131	8.89E+01	9.65E+01	1.03	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Iron-59	1.76E+02	1.54E+02	1.14	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Manganese-54	1.55E+02	1.39E+02	1.12	Acceptable
EZA	1st/2019	05/10/19	E12367	Water	pCi/L	Zinc-65	2.44E+02	2.14E+02	1.14	Acceptable
EZA	2nd/2019	07/29/19	E12360	Cartridge	pCi	Iodine-131	8.40E+01	8.17E+01	1.03	Acceptable
EZA	2nd/2019	07/29/19	E12361	Milk	pCi/L	Strontium-89	1.01E+02	8.29E+01	1.22	Acceptable
EZA	2nd/2019	07/29/19	E12361	Milk	pCi/L	Strontium-90	1.21E+01	1.35E+01	0.90	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Cerium-141	1.39E+02	1.33E+02	1.04	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Cobalt-58	1.17E+02	1.12E+02	1.05	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Cobalt-60	2.05E+02	1.98E+02	1.04	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Chromium-51	3.41E+02	3.37E+02	1.01	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Cesium-134	1.30E+02	1.40E+02	0.93	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Cesium-137	1.78E+02	1.68E+02	1.06	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Iron-59	1.66E+02	1.41E+02	1.18	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Iodine-131	8.51E+01	8.14E+01	1.05	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Manganese-54	2.09E+02	1.90E+02	1.10	Acceptable
EZA	2nd/2019	07/29/19	E12362	Milk	pCi/L	Zinc-65	2.82E+02	2.47E+02	1.14	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Cerium-141	1.50E+02	1.45E+02	1.03	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Cobalt-58	1.22E+02	1.22E+02	1.00	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Cobalt-60	2.22E+02	2.16E+02	1.03	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Chromium-51	3.56E+02	3.68E+02	0.97	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Cesium-134	1.37E+02	1.53E+02	0.89	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Cesium-137	1.90E+02	1.84E+02	1.03	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Iron-59	1.73E+02	1.54E+02	1.12	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Iodine-131	8.92E+01	8.91E+01	1.00	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Manganese-54	2.27E+02	2.70E+00	1.10	Acceptable
EZA	2nd/2019	07/29/19	E12363	Water	pCi/L	Zinc-65	3.01E+02	2.70E+02	1.11	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/2019	05/31/19	MAPEP-19-GrF40	Filter	Bq/sample	Gross alpha	0.540	0.528	0.158-0.898	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-GrF41	Filter	Bq/sample	Gross beta	0.928	0.948	0.474-1.422	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-GrW40	Water	Bq/L	Gross alpha	0.819	0.840	0.25-1.43	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-GrW40	Water	Bq/L	Gross beta	2.390	2.330	1.17-3.50	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Americium-241	52.8	49.9	34.9-64.9	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Cesium-134	2.25		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Cesium-137	1290.00	1164.0	815-1513	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Cobalt-57	0.133		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Cobalt-60	853	855	599-1112	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Iron-55	486	344	241-447	Not Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Manganese-54	1130	1027	719-1335	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Nickel-63	524.00	519	363-675	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Plutonium-238	75.2	71.0	49.7-92.3	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Plutonium-239/240	67.3	59.8	41.9-77.7	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Potassium-40	596	585	410-761	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Strontium-90	3.44		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Technetium-99	381	408	286-530	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Uranium 234	54.7	56.0	39-73	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Uranium-238	204	205	144-267	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaS40	Soil	Bq/Kg	Zinc-65	751	668	468-868	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Americium-241	0.549	0.582	0.407-0.757	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Cesium-134	5.32	5.99	4.19-7.79	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Cesium-137	0.0		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Cobalt-57	9.840	10	7.0-13.0	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Cobalt-60	6.7	6.7	4.7-8.7	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Hydrogen-3	389.00	421	295-547	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Iron-55	0.0173		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Manganese-54	8.80	8.4	5.9-10.9	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Nickel-63	4.62	5.8	4.1-7.5	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Plutonium-238	0.419	0.451	0.316-0.586	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Plutonium-239/240	0.0158	0.0045	Sens. Eval.	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Potassium-40	-0.156		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Radium-226	0.593	0.672	0.470-0.874	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Strontium-90	5.86	6.350	4.45-8.26	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Technetium-99	3.66	3.3	2.34-4.34	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Uranium-234	0.81	0.8	0.56-1.04	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Uranium-238	0.802	0.81	0.57-1.05	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-MaW40	Water	Bq/L	Zinc-65	-0.0318		False Pos Test	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/2019	05/31/19	MAPEP-19-RdF40	Filter	ug/sample	Uranium-235	0.0566	0.0640	0.0448-0.0832	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	ug/sample	Uranium-238	7.76	8.8	6.2-11.4	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	ug/sample	Uranium-Total	7.72	8.9	6.2-11.6	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Americium-241	0.0284	0.0294	0.0206-0.0382	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Cesium-134	0.251	0.216	0.151-0.281	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Cesium-137	0.313	0.290	0.203-0.377	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Cobalt-57	0.424	0.411	0.288-0.534	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Cobalt-60	0.373	0.34	0.238-0.442	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Manganese-54	0.576	0.547	0.383-0.711	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Plutonium-238	0.0551	0.0526	0.0368-0.0684	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Plutonium-239/240	0.0377	0.038	0.0265-0.0493	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Strontium-90	0.616	0.662	0.463-0.861	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Uranium-234	0.108	0.106	0.074-0.138	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Uranium-238	0.118	0.110	0.077-0.143	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdF40	Filter	Bq/sample	Zinc-65	0.0143		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Americium-241	0.000092		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Cesium-134	2.25	2.44	1.71-3.17	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Cesium-137	2.37	2.30	1.61-2.99	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Cobalt-57	2.04	2.07	1.45-2.69	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Cobalt-60	-0.0061		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Manganese-54	0.00255		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Plutonium-238	0.0247	0.0339	0.0237-0.0441	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Plutonium-239/240	0.0425	0.0460	0.0322-0.0598	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Strontium-90	0.00951		False Pos Test	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Uranium-234	0.20	0.217	0.152-0.282	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Uranium-238	0.216	0.225	0.158-0.293	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-RdV40	Vegetation	Bq/sample	Zinc-65	1.85	1.71	1.20-2.22	Acceptable
MAPEP	2nd/2019	05/31/19	MAPEP-19-XaW40	Water	Bq/L	Iodine-129	0.64	0.62	0.431-0.801	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Actinium-228	3060	3280	2160 - 4130	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Americium-241	346	474	256 - 671	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Bismuth-212	3200	3400	973 - 5070	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Bismuth-214	1160	1370	658 - 2040	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Cesium-134	6590	9280	6350 - 11100	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Cesium-137	831	1030	779 - 1300	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Cobalt-60	4830	5880	4630 - 7260	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Lead-212	3360	3380	2360 - 4270	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Lead-214	1500	1450	609 - 2280	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Manganese-54	<25.4	<1000	<1000	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Plutonium-238	955	1220	608 - 1850	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Plutonium-239	579	829	452 - 1190	Acceptable

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ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Potassium-40	25800	24300	16700 - 29000	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Strontium-90	1220	1350	420 - 2100	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Thorium-234	1050	1470	555 - 2520	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-234	1170	1050	492 - 1380	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-234	925	1050	492 - 1380	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-234	925	1050	492 - 1380	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-238	437	1030	565 - 1380	Not Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-238	928	1030	565 - 1380	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-238	880	1030	565 - 1380	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-Total	2090	2030	1130 - 2620	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Uranium-Total	1910	2030	1130 - 2620	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	µg/kg	Uranium-Total (mass)	1360	2420	1090 - 3270	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	µg/kg	Uranium-Total (mass)	2780	2420	1090 - 3270	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	µg/kg	Uranium-Total (mass)	2630	2420	1090 - 3270	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Soil	pCi/kg	Zinc-65	1300	1460	1170 - 1990	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Americium-241	2090	1680	1040 - 2370	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Cesium-134	1590	1640	1090 - 2180	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Cesium-137	1510	1410	1080 - 1900	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Cobalt-60	1200	1000	785 - 1310	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Curium-244	87.1	87.3	49.2 - 109	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Manganese-54	<35.9	<300	<300	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Plutonium-238	110	76	52.6 - 98.0	Not Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Plutonium-239	1150	941	650 - 1190	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Potassium-40	41500	34500	25900 - 43700	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Strontium-90	4670	3530	1990 - 4600	Not Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Uranium-234	1210	961	675 - 1230	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Uranium-238	1230	953	673 - 1190	Not Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Uranium-Total	2540	1940	1240 - 2620	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	µg/kg	Uranium-Total (mass)	3720	2830	2170 - 3500	Not Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Vegetation	pCi/kg	Zinc-65	715	527	393 - 781	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Americium-241	18.7	18.7	13.3 - 24.9	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Cesium-134	639	721	468 - 884	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Cesium-137	627	634	521 - 832	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Cobalt-60	103	93.8	79.7 - 119	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Iron-55	613	718	262 - 1150	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Manganese-54	<3.29	<50.0	<50.0	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Plutonium-238	31.1	33.8	25.5 - 41.5	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Plutonium-239	62	67	50.1 - 80.8	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Strontium-90	169	181	114 - 246	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Uranium-234	17.1	18.2	13.5 - 21.3	Acceptable

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ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Uranium-234	16.4	18.2	13.5 - 21.3	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Uranium-238	16.9	18.1	13.7 - 21.6	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Uranium-238	16	18.1	13.7 - 21.6	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Uranium-Total	33.1	37.1	27.1 - 44.0	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Uranium-Total	34.7	37.1	27.1 - 44.0	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	µg/Filter	Uranium-Total (mass)	50.9	54.1	43.4 - 63.4	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	µg/Filter	Uranium-Total (mass)	48	54.1	43.4 - 63.4	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Zinc-65	1520	1380	1130 - 2110	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Gross Alpha	43	50.3	26.3 - 82.9	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Filter	pCi/Filter	Gross Beta	75.7	78.6	47.7 - 119	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Americium-241	180	168	115 - 215	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Cesium-134	116	123	92.9 - 135	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Cesium-137	126	125	107 - 142	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Cobalt-60	1200	1100	949 - 1260	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Iron-55	1310	1320	776 - 1920	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Manganese-54	<5.6	<100	<100	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Plutonium-238	41.2	42.8	25.7 - 55.5	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Plutonium-239	117	123	76.1 - 152	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Strontium-90	365	315	227 - 389	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-234	56.3	55.2	42.0 - 63.1	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-234	56	55.2	42.0 - 63.1	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-234	53.7	55.2	42.0 - 63.1	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-234	56	55.2	42.0 - 63.1	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-238	55.3	54.7	42.4 - 64.4	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-238	51.8	54.7	42.4 - 64.4	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-238	51	54.7	42.4 - 64.4	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-Total	107.3	112	87.4 - 128	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Uranium-Total	113	112	87.4 - 128	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	µg/L	Uranium-Total (mass)	166	163	132 - 185	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	µg/L	Uranium-Total (mass)	153	163	132 - 185	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Zinc-65	1990	1780	1580 - 2250	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Gross Alpha	79.8	68.5	25.0 - 94.5	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Gross Beta	140	151	75.5 - 208	Acceptable
ERA	2nd/2019	05/21/19	MRAD-30	Water	pCi/L	Tritium	22200	23700	17900 - 28800	Acceptable
ERA	2nd/2019	05/23/19	RAD-117	Water	pCi/L	Strontium-89	35.9	33.3	24.5-40.1	Acceptable
ERA	2nd/2019	05/24/19	RAD-117	Water	pCi/L	Strontium-89	34.4	33.3	24.5-40.2	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Barium-133	68.2	66.9	55.8 - 73.6	Acceptable
ERA	3rd/2019	3rd/2019	RAD - 118	Water	pCi/L	Cesium-134	30.4	32	25.1 - 35.2	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Cesium-137	22.7	21.4	17.6 - 26.7	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Cobalt-60	102	95.1	85.6 - 107	Acceptable



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ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Zinc-65	49.2	41.2	35.3 - 51.4	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Gross Alpha	88.7	70.6	37.1 - 87.1	Not Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Gross Alpha	80.7	70.6	37.1 - 87.1	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Gross Beta	57.7	63.9	44.2 - 70.5	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Radium-226	18.5	18.5	13.8 - 21.1	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Radium-228	7.97	8.16	5.21 - 10.3	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Radium-228	6.72	8.16	5.21 - 10.3	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Uranium (Nat)	67.8	68.3	55.8 - 75.1	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	µg/L	Uranium (Nat) mass	100.73	99.6	81.4 - 110	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Tritium	14700	16700	14600 - 18400	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Tritium	15000	16700	14600 - 18400	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Strontium-89	69.4	58.7	47.1 - 66.5	Not Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Strontium-89	62.1	58.7	47.1 - 66.5	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Strontium-90	34.3	38.5	28.3 - 44.3	Acceptable
ERA	3rd/2019	08/26/19	RAD - 118	Water	pCi/L	Strontium-90	33.4	38.5	28.3 - 44.3	Acceptable
EZA	3rd/2019	11/08/19	E12368	Cartridge	pCi	Iodine-131	9.93E+01	9.33E+01	1.06	Acceptable
EZA	3rd/2019	11/08/19	E12369	Milk	pCi/L	Strontium-89	8.71E+01	9.39E+01	0.93	Acceptable
EZA	3rd/2019	11/08/19	E12369	Milk	pCi/L	Strontium-90	7.02E+00	1.29E+01	0.54	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Cerium-141	1.69E+02	1.67E+02	1.01	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Cobalt-58	1.74E+02	1.75E+02	0.99	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Cobalt-60	2.08E+02	2.11E+02	0.99	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Chromium-51	3.64E+02	3.31E+02	1.1	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Cesium-134	1.93E+02	2.07E+02	0.93	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Cesium-137	1.49E+02	1.51E+02	0.99	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Iron-59	1.66E+02	1.48E+02	1.12	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Iodine-131	9.28E+01	9.21E+01	1.01	Acceptable
EZA	3rd/2019	11/08/19	E12370	Milk	pCi/L	Manganese-54	1.69E+02	1.54E+02	1.09	Acceptable
EZA	3rd/2019	11/08/19	E12371	Milk	pCi/L	Zinc-65	3.21E+02	2.93E+02	1.1	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Cerium-141	1.41E+02	1.27E+02	1.11	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Cobalt-58	1.36E+02	1.33E+02	1.03	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Cobalt-60	1.68E+02	1.60E+02	1.036	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Chromium-51	2.45E+02	2.51E+02	0.98	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Cesium-134	1.50E+02	1.57E+02	0.96	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Cesium-137	1.22E+02	1.14E+02	1.07	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Iron-59	1.27E+02	1.12E+02	1.13	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Iodine-131	9.34E+01	8.94E+01	1.04	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Manganese-54	1.34E+02	1.17E+02	1.15	Acceptable
EZA	3rd/2019	11/08/19	E12371	Water	pCi/L	Zinc-65	2.57E+02	2.22E+02	1.16	Acceptable
EZA	4th/2019	02/05/20	E12372	Cartridge	pCi	Iodine-131	9.07E+01	8.88E+01	1.02	Acceptable
EZA	4th/2019	02/05/20	E12373	Milk	pCi/L	Strontium-89	6.60E+01	8.06E+01	0.82	Acceptable

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EZA	4th/2019	02/05/20	E12373	Milk	pCi/L	Strontium-90	1.11E+01	1.10E+01	1.00	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Cerium-141	7.95E+01	8.30E+01	0.96	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Cobalt-58	8.93E+01	8.99E+01	0.99	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Cobalt-60	1.17E+02	1.15E+02	1.02	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Chromium-51	2.67E+02	2.41E+02	1.11	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Cesium-134	9.79E+01	1.13E+02	0.87	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Cesium-137	1.01E+02	1.02E+02	0.99	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Iron-59	1.01E+02	8.71E+01	1.16	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Iodine-131	9.34E+01	9.45E+01	0.99	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Manganese-54	1.34E+02	1.30E+02	1.03	Acceptable
EZA	4th/2019	02/05/20	E12374	Milk	pCi/L	Zinc-65	1.17E+02	1.59E+02	1.08	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Cerium-141	8.92E+01	8.41E+01	1.06	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Cobalt-58	9.54E+01	9.11E+01	1.05	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Cobalt-60	1.22E+02	1.17E+02	1.05	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Chromium-51	2.64E+02	2.44E+02	1.08	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Cesium-134	1.06E+02	1.14E+02	0.93	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Cesium-137	1.09E+02	1.03E+02	1.06	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Iron-59	9.32E+01	8.82E+01	1.06	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Iodine-131	1.04E+02	9.45E+01	1.10	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Manganese-54	1.44E+02	1.31E+02	1.10	Acceptable
EZA	4th/2019	02/05/20	E12375	Water	pCi/L	Zinc-65	1.91E+02	1.61E+02	1.19	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Americium-241	86.1	74.7	52.3-97.1	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Cesium-134	896	1020	714-1326	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Cesium-137	865	789	552-1026	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Cobalt-57	0.227		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Cobalt-60	761	760	532-988	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Iron-55	-48.0		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Manganese-54	816	745	522-969	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Nickel-63	552	629	440-818	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Plutonium-238	55.3	52.1	36.5-67.7	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Plutonium-239/240	59.9	61.4	43.0-79.8	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Potassium-40	604	555	389-722	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Strontium-90	609	572	400-744	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Technetium-99	514	593	415-771	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	U-234/233	125	116	81-151	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Uranium-238	122	117	82-152	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaS41	Soil	Bq/Kg	Zinc-65	-0.650		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Americium-241	0.511	0.522	0.365-0.679	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Cesium-134	0.0266		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Cesium-137	19.70	18.4	12.9-23.9	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/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Cobalt-57	16.2	15.6	10.9-20.3	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Cobalt-60	9.01	8.8	6.2-11.4	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Hydrogen-3	166	175	123-228	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Iron-55	13.80	15.7	11.0-20.4	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Manganese-54	22.6	20.6	14.4-26.8	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Nickel-63	9.26	9.7	6.8-12.6	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Plutonium-238	0.0164	0.0063	Sens. Evaluation	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Plutonium-239/240	0.701	0.727	0.509-0.945	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Potassium-40	-0.121		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Radium-226	0.481	0.307	0.215-0.399	Not Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Strontium-90	9.34	10.60	7.4-13.8	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Technetium-99	0.119		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Uranium-234/233	1.09	1.07	0.75-1.39	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Uranium-238	1.12	1.05	0.74-1.37	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-MaW41	Water	Bq/L	Zinc-65	23.1	20.3	5.27-9.79	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	ug/sample	Uranium-235	0.0565	0.0565	0.0396-0.0735	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	ug/sample	Uranium-238	7.8	7.7	5.4-10.0	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	ug/sample	Uranium-Total	7.9	7.8	5.5-10.1	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Americium-241	0.00106		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Cesium-134	0.00080		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Cesium-137	1.63	1.58	1.11-2.05	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Cobalt-57	1.23	1.16	0.81-1.51	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Cobalt-60	0.783	0.815	0.571-1.060	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Manganese-54	1.35	1.37	0.96-1.78	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Plutonium-238	0.0755	0.0761	0.0533-0.0989	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Plutonium-239/240	0.0485	0.0468	0.0328-0.0608	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Strontium-90	0.442	0.498	0.349-0.647	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Uranium-234/233	0.0965	0.093	0.065-0.121	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Uranium-238	0.0935	0.096	0.067-0.125	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdF41	Filter	Bq/sample	Zinc-65	1.09	1.08	0.74-1.38	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Americium-241	0.0958	0.090	0.063-0.117	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Cesium-134	0.0190		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Cesium-137	3.34	3.28	2.30-4.26	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Cobalt-57	4.50	4.57	3.20-5.94	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Cobalt-60	5.34	5.30	3.71-6.89	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Manganese-54	4.57	4.49	3.14-5.84	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Plutonium-238	0.0882	0.081	0.057-0.105	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Plutonium-239/240	0.00127		False Pos Test	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Strontium-90	0.847	1.00	0.70-1.30	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Uranium-234/233	0.0656	0.0647	0.0453-0.0841	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/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Uranium-238	0.0660	0.0670	0.0469-0.871	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-RdV41	Vegetation	Bq/sample	Zinc-65	2.89	2.85	2.00-3.71	Acceptable
MAPEP	4th/2019	12/13/19	MAPEP-19-XaW41	Alk. Water	Bq/L	Iodine-129	1.69	1.78	1.25-2.31	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Actinium-228	3730	3170	2090 - 3990	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Americium-241	1740	1920	1040 - 2720	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Bismuth-212	4130	3280	939 - 4890	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Bismuth-214	1370	1330	638 - 1980	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Cesium-134	7600	7650	5230 - 9140	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Cesium-137	1350	1230	930 - 1560	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Cobalt-60	3840	3710	2920 - 4580	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Lead-212	4300	3350	2340 - 4240	Not Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Lead-214	1740	1450	609 - 2280	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Manganese-54	<26.5	<1000	<1000	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Plutonium-238	680	546	272 - 830	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Plutonium-239	1010	1090	594 - 1570	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Potassium-40	26200	24700	17000 - 29500	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Strontium-90	1660	1910	594 - 2980	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Thorium-234	1580	1360	513 - 2330	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Uranium-234	1140	1030	483 - 1350	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Uranium-234	1290	1030	483 - 1350	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Uranium-238	1080	974	534 - 1310	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Uranium-238	1070	974	534 - 1310	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Uranium-Total	2290	1930	1070 - 2500	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	pCi/kg	Uranium-Total	2409	1930	1070 - 2500	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	µg/kg	Uranium-Total (mass)	3250	2410	1090 - 3250	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	µg/kg	Uranium-Total (mass)	3200	2410	1090 - 3250	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Soil	µg/kg	Zinc-65	3100	2690	2150 - 3670	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Americium-241	2070	2050	1270 - 2900	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Cesium-134	1910	2210	1470 - 2940	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Cesium-137	2500	2480	1910-3340	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Cobalt-60	604	607	476 - 793	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Curium-244	2760	3010	1700 - 3740	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Manganese-54	<35.4	<300	<300	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Plutonium-238	2120	1920	1330 - 2480	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Plutonium-239	2860	2600	1800 - 3290	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Potassium-40	41600	39300	29500 - 49800	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Strontium-90	4010	3940	2220 - 5130	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Uranium-234	3510	3320	2330 - 4230	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Uranium-238	3620	3290	2320 - 4110	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Uranium-Total	7360	6670	4260 - 8990	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/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Uranium-Total (mass)	10900	9730	7470 - 12100	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Vegetation	pCi/kg	Zinc-65	1860	1620	1210 - 2400	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Americium-241	34.5	32	22.8 - 42.7	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Cesium-134	55.6	59	38.3 - 72.3	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Cesium-137	443	437	359 - 573	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Cobalt-60	63.7	58.4	49.6 - 74.2	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Iron-55	150	151	55.1 - 241	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Manganese-54	<1.96	<50.0	<50.0	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Plutonium-238	23.8	21	15.9 - 25.8	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Plutonium-239	19.9	19	14.2 - 22.9	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Strontium-90	34.8	34.5	21.8 - 47.0	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Uranium-234	27.1	27.5	20.4 - 32.2	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Uranium-234	30.4	27.5	20.4 - 32.2	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Uranium-238	28.4	27.3	20.6 - 32.6	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Uranium-238	25.2	27.3	20.6 - 32.6	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Uranium-Total	57.3	56.1	41.0 - 66.5	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Uranium-Total	55.6	56.1	41.0 - 66.5	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	µg/Filter	Uranium-Total (mass)	85.4	81.8	65.6 - 95.8	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	µg/Filter	Uranium-Total (mass)	75.6	81.8	65.6 - 95.8	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Zinc-65	412	364	298 - 556	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Gross Alpha	71	59	30.8 - 97.2	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Filter	pCi/Filter	Gross Beta	54.7	57.6	34.9 - 87.0	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Americium-241	67.6	64.2	44.1 - 82.1	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Cesium-134	1820	1960	1480 - 2160	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Cesium-137	1820	1840	1580 - 2090	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Cobalt-60	1970	1870	1610 - 2150	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Iron-55	1410	1460	858 - 2120	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Manganese-54	<7.24	<100	<100	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Plutonium-238	41.2	47.8	28.7 - 61.9	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Plutonium-239	36.9	46.8	29.0 - 57.7	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Strontium-90	508	481	346 - 595	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Uranium-234	135	139	106 - 159	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Uranium-234	138	139	106 - 159	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Uranium-238	141	137	106 - 161	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Uranium-238	118	137	106 - 161	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Uranium-Total	285	282	220 - 321	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Uranium-Total	261.3	282	220 - 321	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	µg/L	Uranium-Total (mass)	424	411	333 - 466	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	µg/L	Uranium-Total (mass)	353	411	333 - 466	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Zinc-65	1490	1370	1220 - 1730	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/2019	11/19/19	MRAD-31	Water	pCi/L	Gross Alpha	147	124	45.3 - 171	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Gross Beta	72.9	68	34.0 - 93.6	Acceptable
ERA	4th/2019	11/19/19	MRAD-31	Water	pCi/L	Tritium	20900	22300	16800 - 27100	Acceptable

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

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

Table C-2

## 2019 Eckert &amp; Ziegler Analytics Performance Evaluation Results

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
07/29/19	E12360	Cartridge	pCi	Iodine-131	8.40E+01	8.17E+01	1.03	Acceptable
07/29/19	E12361	Milk	pCi/L	Strontium-89	1.01E+02	8.29E+01	1.22	Acceptable
07/29/19	E12361	Milk	pCi/L	Strontium-90	1.21E+01	1.35E+01	0.90	Acceptable
07/29/19	E12362	Milk	pCi/L	Cerium-141	1.39E+02	1.33E+02	1.04	Acceptable
07/29/19	E12362	Milk	pCi/L	Cobalt-58	1.17E+02	1.12E+02	1.05	Acceptable
07/29/19	E12362	Milk	pCi/L	Cobalt-60	2.05E+02	1.98E+02	1.04	Acceptable
07/29/19	E12362	Milk	pCi/L	Chromium-51	3.41E+02	3.37E+02	1.01	Acceptable
07/29/19	E12362	Milk	pCi/L	Cesium-134	1.30E+02	1.40E+02	0.93	Acceptable
07/29/19	E12362	Milk	pCi/L	Cesium-137	1.78E+02	1.68E+02	1.06	Acceptable
07/29/19	E12362	Milk	pCi/L	Iron-59	1.66E+02	1.41E+02	1.18	Acceptable
07/29/19	E12362	Milk	pCi/L	Iodine-131	8.51E+01	8.14E+01	1.05	Acceptable
07/29/19	E12362	Milk	pCi/L	Manganese-54	2.09E+02	1.90E+02	1.10	Acceptable
07/29/19	E12362	Milk	pCi/L	Zinc-65	2.82E+02	2.47E+02	1.14	Acceptable
07/29/19	E12363	Water	pCi/L	Cerium-141	1.50E+02	1.45E+02	1.03	Acceptable
07/29/19	E12363	Water	pCi/L	Cobalt-58	1.22E+02	1.22E+02	1.00	Acceptable
07/29/19	E12363	Water	pCi/L	Cobalt-60	2.22E+02	2.16E+02	1.03	Acceptable
07/29/19	E12363	Water	pCi/L	Chromium-51	3.56E+02	3.68E+02	0.97	Acceptable
07/29/19	E12363	Water	pCi/L	Cesium-134	1.37E+02	1.53E+02	0.89	Acceptable
07/29/19	E12363	Water	pCi/L	Cesium-137	1.90E+02	1.84E+02	1.03	Acceptable
07/29/19	E12363	Water	pCi/L	Iron-59	1.73E+02	1.54E+02	1.12	Acceptable
07/29/19	E12363	Water	pCi/L	Iodine-131	8.92E+01	8.91E+01	1.00	Acceptable
07/29/19	E12363	Water	pCi/L	Manganese-54	2.27E+02	2.70E+00	1.10	Acceptable
07/29/19	E12363	Water	pCi/L	Zinc-65	3.01E+02	2.70E+02	1.11	Acceptable
05/10/19	E12364	Cartridge	pCi	Iodine-131	7.80E+01	7.54E+01	1.03	Acceptable
05/10/19	E12366A	Milk	pCi/L	Cerium-141	1.23E+02	1.17E+02	1.05	Acceptable
05/10/19	E12366A	Milk	pCi/L	Cobalt-58	1.51E+02	1.43E+02	1.05	Acceptable
05/10/19	E12366A	Milk	pCi/L	Cobalt-60	3.12E+02	2.99E+02	1.04	Acceptable
05/10/19	E12366A	Milk	pCi/L	Chromium-51	3.04E+02	2.93E+02	1.04	Acceptable
05/10/19	E12366A	Milk	pCi/L	Cesium-134	1.53E+02	1.60E+02	0.96	Acceptable
05/10/19	E12366A	Milk	pCi/L	Cesium-137	2.04E+02	1.96E+02	1.04	Acceptable
05/10/19	E12366A	Milk	pCi/L	Manganese-54	1.55E+02	1.43E+02	1.08	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
05/10/19	E12366A	Milk	pCi/L	Iron-59	1.78E+02	1.59E+02	1.12	Acceptable
05/10/19	E12366A	Milk	pCi/L	Zinc-65	2.42E+02	2.20E+02	1.1	Acceptable
05/10/19	E12367	Water	pCi/L	Cerium-141	1.20E+02	1.13E+02	1.06	Acceptable
05/10/19	E12367	Water	pCi/L	Cesium-134	1.43E+02	1.55E+02	0.92	Acceptable
05/10/19	E12367	Water	pCi/L	Cesium-137	2.09E+02	1.91E+02	1.10	Acceptable
05/10/19	E12367	Water	pCi/L	Chromium-51	3.55E+02	2.84E+02	1.25	Acceptable
05/10/19	E12367	Water	pCi/L	Cobalt-58	1.43E+02	1.39E+02	1.03	Acceptable
05/10/19	E12367	Water	pCi/L	Cobalt-60	3.18E+02	2.90E+02	1.10	Acceptable
05/10/19	E12367	Water	pCi/L	Iodine-131	8.89E+01	9.65E+01	1.03	Acceptable
05/10/19	E12367	Water	pCi/L	Iron-59	1.76E+02	1.54E+02	1.14	Acceptable
05/10/19	E12367	Water	pCi/L	Manganese-54	1.55E+02	1.39E+02	1.12	Acceptable
05/10/19	E12367	Water	pCi/L	Zinc-65	2.44E+02	2.14E+02	1.14	Acceptable
11/08/19	E12368	Cartridge	pCi	Iodine-131	9.93E+01	9.33E+01	1.06	Acceptable
11/08/19	E12369	Milk	pCi/L	Strontium-89	8.71E+01	9.39E+01	0.93	Acceptable
11/08/19	E12369	Milk	pCi/L	Strontium-90	7.02E+00	1.29E+01	0.54	Acceptable
11/08/19	E12370	Milk	pCi/L	Cerium-141	1.69E+02	1.67E+02	1.01	Acceptable
11/08/19	E12370	Milk	pCi/L	Cobalt-58	1.74E+02	1.75E+02	0.99	Acceptable
11/08/19	E12370	Milk	pCi/L	Cobalt-60	2.08E+02	2.11E+02	0.99	Acceptable
11/08/19	E12370	Milk	pCi/L	Chromium-51	3.64E+02	3.31E+02	1.1	Acceptable
11/08/19	E12370	Milk	pCi/L	Cesium-134	1.93E+02	2.07E+02	0.93	Acceptable
11/08/19	E12370	Milk	pCi/L	Cesium-137	1.49E+02	1.51E+02	0.99	Acceptable
11/08/19	E12370	Milk	pCi/L	Iron-59	1.66E+02	1.48E+02	1.12	Acceptable
11/08/19	E12370	Milk	pCi/L	Iodine-131	9.28E+01	9.21E+01	1.01	Acceptable
11/08/19	E12370	Milk	pCi/L	Manganese-54	1.69E+02	1.54E+02	1.09	Acceptable
11/08/19	E12371	Milk	pCi/L	Zinc-65	3.21E+02	2.93E+02	1.1	Acceptable
11/08/19	E12371	Water	pCi/L	Cerium-141	1.41E+02	1.27E+02	1.11	Acceptable
11/08/19	E12371	Water	pCi/L	Cobalt-58	1.36E+02	1.33E+02	1.03	Acceptable
11/08/19	E12371	Water	pCi/L	Cobalt-60	1.68E+02	1.60E+02	1.036	Acceptable
11/08/19	E12371	Water	pCi/L	Chromium-51	2.45E+02	2.51E+02	0.98	Acceptable
11/08/19	E12371	Water	pCi/L	Cesium-134	1.50E+02	1.57E+02	0.96	Acceptable
11/08/19	E12371	Water	pCi/L	Cesium-137	1.22E+02	1.14E+02	1.07	Acceptable
11/08/19	E12371	Water	pCi/L	Iron-59	1.27E+02	1.12E+02	1.13	Acceptable
11/08/19	E12371	Water	pCi/L	Iodine-131	9.34E+01	8.94E+01	1.04	Acceptable
11/08/19	E12371	Water	pCi/L	Manganese-54	1.34E+02	1.17E+02	1.15	Acceptable
11/08/19	E12371	Water	pCi/L	Zinc-65	2.57E+02	2.22E+02	1.16	Acceptable



Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
02/05/20	E12372	Cartridge	pCi	Iodine-131	9.07E+01	8.88E+01	1.02	Acceptable
02/05/20	E12373	Milk	pCi/L	Strontium-89	6.60E+01	8.06E+01	0.82	Acceptable
02/05/20	E12373	Milk	pCi/L	Strontium-90	1.11E+01	1.10E+01	1.00	Acceptable
02/05/20	E12374	Milk	pCi/L	Cerium-141	7.95E+01	8.30E+01	0.96	Acceptable
02/05/20	E12374	Milk	pCi/L	Cobalt-58	8.93E+01	8.99E+01	0.99	Acceptable
02/05/20	E12374	Milk	pCi/L	Cobalt-60	1.17E+02	1.15E+02	1.02	Acceptable
02/05/20	E12374	Milk	pCi/L	Chromium-51	2.67E+02	2.41E+02	1.11	Acceptable
02/05/20	E12374	Milk	pCi/L	Cesium-134	9.79E+01	1.13E+02	0.87	Acceptable
02/05/20	E12374	Milk	pCi/L	Cesium-137	1.01E+02	1.02E+02	0.99	Acceptable
02/05/20	E12374	Milk	pCi/L	Iron-59	1.01E+02	8.71E+01	1.16	Acceptable
02/05/20	E12374	Milk	pCi/L	Iodine-131	9.34E+01	9.45E+01	0.99	Acceptable
02/05/20	E12374	Milk	pCi/L	Manganese-54	1.34E+02	1.30E+02	1.03	Acceptable
02/05/20	E12374	Milk	pCi/L	Zinc-65	1.17E+02	1.59E+02	1.08	Acceptable
02/05/20	E12375	Water	pCi/L	Cerium-141	8.92E+01	8.41E+01	1.06	Acceptable
02/05/20	E12375	Water	pCi/L	Cobalt-58	9.54E+01	9.11E+01	1.05	Acceptable
02/05/20	E12375	Water	pCi/L	Cobalt-60	1.22E+02	1.17E+02	1.05	Acceptable
02/05/20	E12375	Water	pCi/L	Chromium-51	2.64E+02	2.44E+02	1.08	Acceptable
02/05/20	E12375	Water	pCi/L	Cesium-134	1.06E+02	1.14E+02	0.93	Acceptable
02/05/20	E12375	Water	pCi/L	Cesium-137	1.09E+02	1.03E+02	1.06	Acceptable
02/05/20	E12375	Water	pCi/L	Iron-59	9.32E+01	8.82E+01	1.06	Acceptable
02/05/20	E12375	Water	pCi/L	Iodine-131	1.04E+02	9.45E+01	1.10	Acceptable
02/05/20	E12375	Water	pCi/L	Manganese-54	1.44E+02	1.31E+02	1.10	Acceptable
02/05/20	E12375	Water	pCi/L	Zinc-65	1.91E+02	1.61E+02	1.19	Acceptable

**Table C-3**  
**REMP Intra-Laboratory Data Summary: Bias and Precision by Matrix**

REMP 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERI A	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
<b>MILK</b>				
Gas Flow Sr 2nd count	34	0	39	0
Gas Flow Total Strontium	20	0	21	0
Gamma Spec Liquid RAD A-013 with Ba, La	21	0	71	0
<b>SOLID</b>				
Gamma Spec Solid RAD A-013	9	0	13	0
LSC Nickel 63	5	0	5	0
Gas Flow Sr 2nd count	4	0	7	0
Gas Flow Total Strontium	4	0	4	0
Gamma Spec Solid RAD A-013 with Iodine	16	0	37	0
<b>FILTER</b>				
Gas Flow Sr 2nd Count	5	0	5	0
Gross A & B	462	0	333	0
Gas Flow Sr-90	1	0	1	0
Gamma Spec Filter	34	0	76	0
<b>LIQUID</b>				
Alpha Spec Uranium	7	0	10	0
Tritium	169	0	225	0
LSC Iron-55	17	0	15	0
LSC Nickel 63	18	0	16	0
Gamma Iodine-131	19	0	19	0
Alpha Spec Plutonium	9	0	9	0
Gas Flow Sr 2nd count	6	0	5	0
Alpha Spec Am241 Curium	9	0	9	0
Gas Flow Total Strontium	11	0	9	0
Gross Alpha Non Vol Beta	28	0	55	0
Gamma Spec Liquid RAD A-013 with Ba, La	51	0	116	0
Gamma Spec Liquid RAD A-013 with Iodine	25	0	98	0
<b>TISSUE</b>				
Gamma Spec Solid RAD A-013	31	0	37	0
Gas Flow Sr 2nd count	7	0	7	0
Gas Flow Total Strontium	10	0	10	0
Gamma Spec Solid RAD A-013 with Iodine	13	0	14	0
<b>VEGETATION</b>				
Gamma Spec Solid RAD A-013	14	0	13	0
Gas Flow Sr 2nd count	8	0	8	0
Gamma Spec Solid RAD A-013 with Iodine	63	0	79	0
<b>AIR CHARCOAL</b>				
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	25	0	25	0

REMP 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERI A	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
<b>DRINKING WATER</b>				
Tritium	20	0	24	0
LSC Iron-55	14	0	16	0
LSC Nickel 63	14	0	16	0
Gamma Iodine-131	24	0	16	0
Gas Flow Sr 2nd count	10	0	11	0
Gas Flow Total Strontium	13	0	15	0
Gross Alpha Non Vol Beta	52	0	61	0
Gamma Spec Liquid RAD A-013 with Ba, La	21	0	53	0
Gamma Spec Liquid RAD A-013 with Iodine	0	0	6	0
<b>Total</b>	<b>1323</b>		<b>1609</b>	
<p>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.</p>				

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

Total Radiological 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
<b>MILK</b>				
Gamma Spec Liquid RAD A-013	4	0	5	0
Gamma Iodine-129	4	0	4	0
Gamma Iodine-131	5	0	93	0
Gas Flow Sr 2nd count	34	0	39	0
Gas Flow Strontium 90	6	0	7	0
Gas Flow Total Strontium	20	0	21	0
Gamma Spec Liquid RAD A-013 with Ba, La	21	0	71	0
Gamma Spec Liquid RAD A-013 with Iodine	4	0	4	0
<b>SOLID</b>				
Gamma Percent Leach	2	0	0	0
Gas Flow Radium 228	72	0	76	0
Tritium	315	0	367	0
Tritium by Pyrolysis	2	0	3	0
Carbon-14	229	0	261	0
Carbon-14 by Pyrolysis	3	0	3	0
LSC Iron-55	132	0	145	0
Alpha Spec Polonium Solid	66	0	83	0
Gamma Nickel 59 RAD A-022	116	0	127	0
LSC Chlorine-36 in Solids	1	0	1	0
Gamma Spec Ra226 RAD A-013	15	0	17	0
Gamma Spec Solid RAD A-013	946	0	1312	0
LSC Nickel 63	226	0	239	0
LSC Plutonium	209	0	216	0
Technetium-99	526	0	561	0
Gross Alpha Beta Soil Leach	24	0	29	0
ICP-MS Technetium-99 in Soil	7	0	6	0
LSC Selenium 79	10	0	12	0
Total Activity,	9	0	10	0
Tritium	29	0	29	0
Alpha Spec Am243	87	0	94	0
Gamma Iodine-129	142	0	164	0
Gas Flow Lead 210	13	0	14	0
Alpha Spec Uranium	551	0	628	0
LSC Promethium 147	4	0	4	0
LSC, Rapid Strontium 89 and 90	51	0	58	0
Alpha Spec Thorium	429	0	491	0
ICP-MS Uranium-233, 234 in Solid	99	0	100	0
LSC Sulfur 35	5	0	5	0
Alpha Spec Plutonium	510	0	497	0
ICP-MS Technetium-99 Prep in Soil	7	0	6	0
LSC Calcium 45	0	0	2	0
Alpha Spec Neptunium	383	0	392	0
Alpha Spec Plutonium	129	0	145	0

Total Radiological 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Radium 226	34	0	43	0
Gas Flow Sr 2nd count	31	0	36	0
Gas Flow Strontium 90	316	0	297	0
Lucas Cell Radium 226	165	0	193	0
Total Activity Screen	1	0	1	0
Alpha Spec Am241 Curium	395	0	400	0
LSC Phosphorus-32	1	0	1	0
Alpha Spec Total Uranium	11	0	12	0
Gas Flow Total Strontium	75	0	76	0
ICP-MS Uranium-233, 234 Prep in Solid	99	0	103	0
ICP-MS Uranium-235, 236, 238 in Solid	84	0	85	0
Alpha Spec Polonium Solid	5	0	5	0
Gamma Spec Solid RAD A-013 with Iodine	16	0	37	0
GFC Chlorine-36 in Solids	29	0	29	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	1	0	4	0
Tritium	5	0	5	0
Calculation for Percent Uranium and Ratios	2	0	0	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	189	0	182	0
ICP-MS Uranium-235, 236, 238 Prep in Solid	81	0	85	0
Gross Alpha/Beta (Am/Cs Calibration) Solid	5	0	6	0
Gross Alpha/Beta	445	0	597	0
Gross Alpha/Beta (Americium Calibration) Solid	3	0	3	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	107	0	106	0
Gross Alpha Beta (F,U)	37	0	45	0
<b>FILTER</b>				
Alpha Spec Uranium	4	0	22	0
Alpha Spec Polonium	3	0	4	0
Gamma I-131, filter	4	0	4	0
LSC Plutonium Filter	59	0	91	0
Tritium	31	0	265	0
Alpha Spec Californium	1	0	1	0
Carbon-14	6	0	70	0
ICP-MS Tc-99 in Filter	0	0	4	0
Nickel-63	1	0	47	0
LSC Iron-55	42	0	68	0
Gamma Nickel 59 RAD A-022	56	0	84	0
Alpha Spec Californium FPL	4	0	14	0
Gamma Iodine 131 RAD A-013	3	0	3	0
LSC Nickel 63	46	0	73	0
Technetium-99	7	0	86	0
Gamma Spec Filter RAD A-013	111	0	181	0
ICP-MS Tc-99 Prep in Filter	0	0	4	0
Alphaspec Np Filter per Liter	16	0	22	0
Alphaspec Pu Filter per Liter	24	0	29	0
Gamma Iodine-129	4	0	54	0
Gross Alpha/Beta	0	0	115	0
Alpha Spec Am243	8	0	15	0

Total Radiological 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Uranium	56	0	88	0
LSC Promethium 147	1	0	3	0
LSC, Rapid Strontium 89 and 90	55	0	77	0
Alpha Spec Thorium	34	0	55	0
Gas Flow Radium 228	2	0	4	0
Alpha Spec Plutonium	70	0	123	0
ICP-MS Uranium-233, 234 in Filter	0	0	4	0
Alpha Spec Neptunium	43	0	69	0
Alpha Spec Plutonium	63	0	113	0
Alpha Spec Plutonium	12	0	12	0
Alpha Spec Polonium,(Filter/Liter)	0	0	3	0
Alpha Spec Radium 226	1	0	4	0
Alpha/Beta (Americium Calibration)	0	0	1	0
Carbon-14 (Soda Lime)	0	0	2	0
Gas Flow Sr 2nd Count	31	0	45	0
Gas Flow Strontium 90	67	0	101	0
Gas Flow Total Radium	2	0	2	0
LSC Plutonium 241 Filter per Liter	29	0	42	0
Lucas Cell Radium-226	1	0	1	0
Alpha Spec Am241Curium	100	0	158	0
Gas Flow Total Strontium	3	0	4	0
ICP-MS Uranium-233, 234 Prep in Filter	0	0	3	0
ICP-MS Uranium-235, 236, 238 in Filter	2	0	5	0
Total Activity in Filter,	0	0	6	0
Alphaspec Am241 Curium Filter per Liter	30	0	55	0
Tritium	79	0	105	0
GFC Chlorine-36 in Filters	0	0	3	0
Gamma Spec Filter RAD A-013 Direct Count	2	0	7	0
Carbon-14	24	0	40	0
GFC Chlorine-36 in Filters PL	3	0	3	0
Gross A & B (Americium Calibration) Liquid	5	0	31	0
Direct Count-Gross Alpha/Beta	78	0	0	0
Gross Alpha/Beta	26	0	39	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	4	0	78	0
ICP-MS Uranium-235, 236, 238 Prep in Filter	2	0	7	0
Alpha Spec U	25	0	64	0
Gross A & B	514	0	388	0
LSC Iron-55	6	0	10	0
Technetium-99	24	0	41	0
Gas Flow Sr-90	28	0	47	0
LSC Nickel 63	29	0	37	0
Gamma Spec Charcoal	9	0	11	0
Gas Flow Pb-210	20	0	38	0
Gas Flow Ra-228	22	0	35	0
Gross Alpha Beta (Flame, Unflame)	9	0	9	0

Total Radiological 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Direct Count- Alpha/Beta (Americium Calibration)	20	0	0	0
Gamma Iodine 129	29	0	29	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	2	0	39	0
Gamma Spec Filter	87	0	142	0
Lucas Cell Ra-226	16	0	25	0
Alpha Spec Thorium	18	0	31	0
<b>LIQUID</b>				
Alpha Spec Uranium	482	0	778	0
Alpha Spec Polonium	27	0	36	0
Tritium	1142	0	1267	0
Carbon-14	167	0	204	0
Plutonium	128	0	147	0
Chlorine-36 in Liquids	3	0	3	0
Iodine-131	2	0	2	0
LSC Iron-55	85	0	135	0
Gamma Nickel 59 RAD A-022	28	0	40	0
Gamma Iodine 131 RAD A-013	2	0	2	0
LSC Nickel 63	144	0	188	0
LSC Radon 222	17	0	16	0
Technetium-99	555	0	657	0
Direct Tritium	1	0	1	0
Gamma Spec Liquid RAD A-013	794	0	899	0
Alpha Spec Total U RAD A-011	17	0	17	0
LSC Selenium 79	31	0	33	0
Total Activity,	3	0	4	0
Alpha Spec Am243	14	0	28	0
Gamma Iodine-129	128	0	169	0
Gamma Iodine-131	19	0	19	0
ICP-MS Technetium-99 in Water	5	0	11	0
Gas Flow Lead 210	14	0	41	0
LSC Promethium 147	18	0	19	0
LSC, Rapid Strontium 89 and 90	8	0	10	0
Alpha Spec Polonium	2	0	2	0
Alpha Spec Thorium	190	0	287	0
Gas Flow Radium 228	387	0	474	0
Gas Flow Radium 228	9	0	9	0
Alpha Spec Plutonium	346	0	508	0
LSC Sulfur 35	11	0	12	0
Alpha Spec Neptunium	135	0	233	0
Alpha Spec Plutonium	25	0	29	0
Alpha Spec Radium 226	28	0	31	0
Gas Flow Sr 2nd count	73	0	108	0
Gas Flow Strontium 90	489	0	550	0
Gas Flow Strontium 90	2	0	2	0
Gas Flow Total Radium	183	0	156	0
ICP-MS Technetium-99 Prep in Water	6	0	12	0
ICP-MS Uranium-233, 234 in Liquid	6	0	21	0
LSC Calcium 45	11	0	12	0

Total Radiological 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Lucas Cell Radium 226	309	0	450	0
Lucas Cell Radium-226	10	0	10	0
Chlorine-36 in Liquids	17	0	27	0
Alpha Spec Am241 Curium	305	0	433	0
Gas Flow Total Strontium	77	0	88	0
Gross Alpha Non Vol Beta	830	0	1183	0
LSC Phosphorus-32	8	0	10	0
ICP-MS Uranium-233, 234 Prep in Liquid	10	0	24	0
Tritium in Drinking Water by EPA 906.0	5	0	3	0
Gamma Spec Liquid RAD A-013 with Ba, La	51	0	124	0
Gamma Spec Liquid RAD A-013 with Iodine	101	0	188	0
Gas Flow Strontium 89 & 90	5	0	3	0
ICP-MS Uranium-235, 236, 238 in Liquid	13	0	25	0
Gas Flow Total Alpha Radium	10	0	10	0
Gross Alpha Co-precipitation	4	0	7	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	9	0	24	0
Gross Alpha/Beta (Am/Cs Calibration) Liquid	2	0	2	0
Gross Alpha/Beta	0	0	3	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	170	0	172	0
Gross Alpha Beta (Flame, Unflame)	195	0	213	0
Gross Alpha Beta (Americium Calibration) Liquid	33	0	72	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	84	0	85	0
Alpha/Beta (Americium Calibration) Drinking Water	27	0	19	0
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	4	0	3	0
<b>TISSUE</b>				
Gamma Spec Solid RAD A-013	46	0	62	0
Alpha Spec Uranium	10	0	12	0
Alpha Spec Plutonium	6	0	6	0
Gas Flow Sr 2nd count	7	0	7	0
Gas Flow Strontium 90	9	0	11	0
Alpha Spec Am241 Curium	3	0	3	0
Gas Flow Total Strontium	10	0	10	0
Gamma Spec Solid RAD A-013 with Iodine	13	0	14	0
Gross Alpha/Beta	1	0	2	0
<b>VEGETATION</b>				
Carbon-14	4	0	4	0
Gamma Spec Solid RAD A-013	42	0	30	0
Gas Flow Lead 210	1	0	3	0
Alpha Spec Uranium	29	0	21	0
Alpha Spec Thorium	5	0	6	0
Alpha Spec Plutonium	27	0	14	0
Gas Flow Sr 2nd count	8	0	8	0



Total Radiological 2019	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Strontium 90	24	0	11	0
Gas Flow Total Radium	1	0	3	0
Lucas Cell Radium 226	1	0	1	0
Alpha Spec Am241 Curium	5	0	8	0
Gamma Spec Solid RAD A-013 with Iodine	63	0	79	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	2	0	2	0
Alpha Spec Am241 (pCi/Sample)	1	0	2	0
Alpha Spec Uranium	1	0	2	0
Gross Alpha/Beta	3	0	3	0
Alpha Spec Plutonium	0	0	2	0
Gas Flow Strontium 90	4	0	2	0
<b>AIR CHARCOAL</b>				
Gamma Iodine-129	25	0	8	0
Carbon-14 (Soda Lime)	0	0	5	0
Carbon-14	12	0	12	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	28	0	29	0
Gamma Spec Charcoal	12	0	12	0
Gamma Iodine 129	12	0	12	0
<b>DRINKING WATER</b>				
Alpha Spec Uranium	2	0	2	0
Tritium	21	0	25	0
Iodine-131	0	0	1	0
LSC Iron-55	14	0	16	0
LSC Nickel 63	14	0	16	0
LSC Radon 222	31	0	39	0
Gamma Spec Liquid RAD A-013	7	0	6	0
Gamma Iodine-129	1	0	2	0
Gamma Iodine-131	24	0	16	0
Gas Flow Radium 228	35	0	33	0
Gas Flow Sr 2nd count	10	0	11	0
Gas Flow Strontium 90	17	0	16	0
Gas Flow Total Radium	1	0	1	0
Lucas Cell Radium 226	1	0	0	0
Lucas Cell Radium-226	36	0	37	0
Gamma Spec Drinking Water RAD A-013	29	0	36	0
Gas Flow Total Strontium	13	0	15	0
Gross Alpha Non Vol Beta	142	0	151	0
Tritium in Drinking Water by EPA 906.0	30	0	32	0
Gamma Spec Liquid RAD A-013 with Ba, La	21	0	53	0
Gamma Spec Liquid RAD A-013 with Iodine	0	0	6	0
Gas Flow Strontium 89 & 90	20	0	14	0
Gas Flow Total Alpha Radium	1	0	1	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	2	0	2	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	1	0	1	0
Alpha/Beta (Americium Calibration) Drinking Water	10	0	10	0
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	19	0	16	0
<b>Total</b>	<b>18630</b>		<b>23501</b>	

<b>Total Radiological 2019</b>	<b>Bias Criteria (+ / - 25%)</b>		<b>Precision Criteria (Note 1)</b>	
	<b>WITHIN CRITERIA</b>	<b>OUTSIDE CRITERIA</b>	<b>WITHIN CRITERIA</b>	<b>OUTSIDE CRITERIA</b>
<p>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.</p>				

Table C-5

## 2019 Corrective Action Report Summary

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
<p><b>CARR190225-1192</b></p> <p>ISO Documentation of PT Failures in RAD 116 for Strontium-89.</p>	<p><b>Root Cause Analysis</b></p> <p><b>Strontium-89 in Drinking Water by EPA 905.0 and 905.0 Mod.</b></p> <p>A review of the data as well as the preparation processes did not reveal any errors or possible contributors to the high bias. The Laboratory has concluded that this positive bias was an isolated occurrence and that our overall process is within control. In addition, the reported value is 117% of the reference value, which is within the laboratory's standard acceptance criteria of +/- 25% for Laboratory Control Samples.</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>The laboratory must assume unidentified random errors caused the biases because all quality control criteria were met for the batches. The laboratory will continue to monitor</p>
<p><b>CARR190530-1211</b></p> <p><b>ISO Documentation of PT Failures in MRAD-30 for:</b></p> <ul style="list-style-type: none"> <li>• Uranium-238 by 6020 (in soil)</li> <li>• Sr-90 (in vegetation)</li> <li>• Pu-238 (in vegetation)</li> <li>• Uranium-238 (in vegetation)</li> <li>• Uranium-Total (in vegetation)</li> </ul>	<p><b>Root Cause Analysis</b></p> <p>Upon receipt of the report, an investigation was initiated by our Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected areas. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, instruments used during analysis, and interviews with the analysts.</p> <p>The investigation determined that the laboratory met all quality control criteria specified in the methods. Additionally, all internal procedures and processes were evaluated and found to have been performed as required. These failures were tracked through GEL's internal non-conformance system.</p> <p>Additionally, trending of historical PT samples for these isotope/matrix/methods were conducted. Specific tendencies of failures were not observed.</p> <p><b>Uranium-238 by 6020:</b> Per the method, an acid leach is used instead of a more aggressive total dissolution that other methods use. This method is not the laboratory's standard method of choice for the analysis of Uranium-238.</p>

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
	<p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>The laboratory does not use this digestion method for this isotope and therefore will discontinue analyzing and reporting a PT by using this method.</p> <p><b>Sr-90:</b> A reanalysis for Strontium for the Vegetation sample was performed using a larger aliquot. The reanalysis was performed using the same processes as the original reported analysis. The reanalysis result meets the acceptance range with 96% recovery.</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>None at this time. A reanalysis was performed and results were within acceptance limits. The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the processes</p> <p><b>Pu-238:</b> A reanalysis for Plutonium for the Vegetation sample was performed using approximately the same size aliquot. Prior to the analysis, the sample was shaken and stirred vigorously to ensure homogenization. Reanalysis values fell within the acceptability range for all Plutonium isotopes. It is noted that the Pu-238 count rate is low (0.05 cpm) which results in an uncertainty of 32% at the 95% confidence interval, even with a long count time of 1000 minutes. The reported Pu-238 result is 116% of the study mean and the Z score is less than 1. Failure was potentially due to high uncertainty due to low count rates for the Pu-238, as well as a possible homogeneity issue</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>None at this time. A reanalysis was performed and results were within acceptance limits. The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the processes</p> <p><b>U-238/Total U mass:</b> A reanalysis for Uranium for the Vegetation sample was performed using approximately the same size aliquot. Prior to the analysis, the sample was shaken and stirred vigorously to ensure homogenization. Reanalysis values fell within the acceptability range for all Uranium isotopes. The original Uranium results were 126% (for U-234) and 129% (for U-238) of the assigned value, yet the Z-scores were both less than 1 and the results were 106% and 108% of the study mean. Additionally, the U-238 value fails, while the Total Uranium value in Activity units (which is simply a calculation) passes, and the Total Uranium in mass units</p>

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
	<p>(simply a conversion from the activity results) fails. Failures were potentially due to a possible homogeneity issue.</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>None at this time. A reanalysis was performed and results were within acceptance limits. The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the processes.</p>
<p><b>CARR190603-1212</b></p> <p><b>ISO Documentation of PT Failures in MAPEP-19-MaS40:</b></p> <ul style="list-style-type: none"> <li>• Fe-55</li> </ul>	<p><b>Root Cause Analysis</b></p> <p>Upon receipt of the report, an investigation was initiated by our Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected areas. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, instruments used during analysis and interviews with the analysts.</p> <p>The investigation determined that the laboratory met all quality control criteria specified in the methods. Additionally, all internal procedures and processes were evaluated and found to have been performed as required. These failures were tracked through GEL's internal non-conformance system.</p> <p><b>Iron-55:</b> In reviewing the data, it was found that too small of an aliquot was used in the original analysis resulting in a high uncertainty in the result and variance of results between counts. A larger aliquot was used during reanalysis and the result was within the acceptance range and had a lower uncertainty.</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>None at this time. A reanalysis was performed and results were within acceptance limits. The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the processes.</p>
<p><b>CARR190826-1250</b></p> <p><b>ISO Documentation of PT Failures in RAD-118</b></p> <ul style="list-style-type: none"> <li>• Sr-89</li> <li>• Gross Alpha</li> </ul>	<p><b>Root Cause Analysis</b></p> <p>Upon receipt of the report, an investigation was initiated by our Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected areas. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in</p>

<p><b>CORRECTIVE ACTION ID# &amp; PE FAILURE</b></p>	<p><b>DISPOSITION</b></p>
	<p>the sample preparation steps, calibration records, process control samples, instruments used during analysis, and interviews with the analysts.</p> <p>The investigation determined that the laboratory met all quality control criteria specified in the methods. Additionally, all internal procedures and processes were evaluated and found to have been performed as required. These failures were tracked through GEL's internal non-conformance system.</p> <p><b>Strontium-89:</b> A review of the data as well as the preparation processes did not reveal any errors or possible contributors to the high bias. In addition, the reported value is 118% of the reference value which is with the laboratory's standard acceptance criteria of +/- 25% for Laboratory Control Samples.</p> <p>In addition, the Sr-89 was also reported by a method using separation resin and the result was with the acceptance range. The results from the two methods compared with a relative percent difference (RPD) of 11.1%, which meets the laboratory's duplicate acceptance criteria.</p> <p><b>Gross Alpha:</b> The analysis data was reviewed and no errors were found. The investigation into the sample preparation did not result in any contributors to the high bias. This analysis was performed by Co-Precipitation.</p> <p>The laboratory also reported the gross alpha analysis by the evaporation method (EPA 900.0) and had an acceptable result. The laboratory's alpha results between the two methods compared with a relative percent difference (RPD) of 9.45%, which meets the laboratory's duplicate acceptance criteria.</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>The Laboratory has concluded that these positive biases were isolated occurrences and that the overall process is within control. The lab will complete PT studies for these parameters as they become available to verify that these were isolated incidences.</p>
<p><b>CARR191212-1262</b></p> <p><b>ISO Documentation of PT Failures in MRAD-31</b></p> <ul style="list-style-type: none"> <li>• Pb-212</li> </ul>	<p><b>Root Cause Analysis</b></p> <p>Upon receipt of the report, an investigation was initiated by our Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected areas. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control</p>

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
	<p>samples, instruments used during analysis and interviews with the analysts.</p> <p>The investigation determined that the laboratory met all quality control criteria specified in the methods. Additionally, all internal procedures and processes were evaluated and found to have been performed as required. These failures were tracked through GEL's internal non-conformance system.</p> <p><b>Lead-212:</b> The data was reviewed and no anomalies noted. The Duplicate result of the original analysis met the acceptance criteria of the study and replication criteria of the laboratory. Laboratory processes were evaluated and no errors were found. The other reported analytes for the method were within the limits of the study. A definitive contributor to the slightly high bias could not be identified concluding that this was an isolated occurrence.</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>None at this time. The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the processes</p>
<p><b>CARR191212-1265</b></p> <p><b>ISO Documentation of PT Failures in MAPEP-19-MaW41</b></p> <ul style="list-style-type: none"> <li>• Ra-226</li> </ul>	<p><b>Root Cause Analysis</b></p> <p>Upon receipt of the report, an investigation was initiated by our Quality Department and a Corrective Action (CARR) team assembled. The team consisted of representatives from the affected laboratory areas. The sample preparation and analytical processes were reviewed. This included review of reagents and standards used in the sample preparation steps, calibration records, process control samples, and interviews with the analysts.</p> <p>The investigation determined that the laboratory met all quality control criteria specified in each method. Additionally, all internal procedures and policies were performed as required. These failures were tracked through GEL's internal non-conformance system.</p> <p>The laboratory reviewed the data and no errors were found. The preparation and counting processes were reviewed and no anomalies were noted. It was noted that verification counts of the sample preparations were within limits and met laboratory replication criteria</p> <p><b>Permanent Corrective/Preventive Actions or Improvements</b></p> <p>None at this time. The laboratory will continue to monitor the recoveries of these parameters to ensure that there are no continued issues in the processes.</p>

## Environmental TLDs

Environmental dosimetry services for the reporting period of January – December, 2019 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:  $\pm 15\%$  for bias and  $\pm 12.8\%$  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 2019<sup>(1), (2)</sup>**

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

<sup>(1)</sup>This table summarizes results of tests conducted by EDC.

<sup>(2)</sup>Environmental dosimeter results are free in air.



Table C-7

**Mean Dosimeter Analyses (N=6)  
JANUARY – DECEMBER 2019<sup>(1), (2)</sup>**

Process Date	Exposure Level	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
4/25/2019	26	1.8	1.7	Pass
4/29/2019	51	3.1	1.5	Pass
5/04/2019	85	-0.4	1.4	Pass
7/28/2019	75	5.9	1.1	Pass
7/30/2019	32	2.8	1.2	Pass
8/4/2019	107	-0.7	1.2	Pass
10/25/2019	64	1.8	1.2	Pass
11/04/2019	90	-0.5	1.8	Pass
11/05/2019	117	3.0	1.7	Pass
01/20/2020	45	1.0	2.0	Pass
01/30/2020	57	1.8	2.6	Pass
02/17/2020	121	-2.6	2.4	Pass

<sup>(1)</sup> This table summarizes results of tests conducted by EDC for TLDs issued in 2019.

<sup>(2)</sup> Environmental dosimeter results are free in air.

**Table C-8  
Summary of Independent Blind Spike Dosimeter Testing  
JANUARY – DECEMBER 2019<sup>(1), (2)</sup>**

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
1 <sup>st</sup> Qtr. 2019	Millstone	0.6	2.6	Pass
2 <sup>nd</sup> Qtr. 2019	Seabrook	7.8	2.0	Pass
3 <sup>rd</sup> Qtr. 2019	SONGS	0.1	2.4	Pass
3 <sup>rd</sup> Qtr. 2019	Millstone	1.1	1.9	Pass
4 <sup>th</sup> Qtr. 2019	PSEG(PNNL)	-3.2	0.9	Pass
4 <sup>th</sup> Qtr. 2019	Seabrook	0.9	1.0	Pass

<sup>(1)</sup> Performance criteria are +/- 15%.

<sup>(2)</sup> Blind spike irradiations using Cs-137

**APPENDIX D**

**2019 DATA SUMMARY**

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	468038001	1/2/2019	BETA	3.12E-02	1.66E-03	1.58E-03	
AP	SBN	468038002	1/2/2019	BETA	3.14E-02	1.70E-03	1.73E-03	
AP	DOW	468038003	1/2/2019	BETA	3.41E-02	1.87E-03	1.93E-03	
AP	COL	468038004	1/2/2019	BETA	2.45E-02	1.49E-03	1.73E-03	
AP	ONS-1	468038005	1/2/2019	BETA	2.83E-02	1.61E-03	1.62E-03	
AP	ONS-2	468038006	1/2/2019	BETA	3.13E-02	1.77E-03	1.85E-03	
AP	ONS-3	468038007	1/2/2019	BETA	3.05E-02	1.75E-03	1.86E-03	
AP	ONS-4	468038008	1/2/2019	BETA	2.94E-02	1.66E-03	1.79E-03	
AP	ONS-5	468038009	1/2/2019	BETA	2.73E-02	1.54E-03	1.54E-03	
AP	ONS-6	468038010	1/2/2019	BETA	3.00E-02	1.68E-03	1.76E-03	
AP	NBF	468794001	1/9/2019	BETA	5.30E-02	2.26E-03	1.80E-03	
AP	SBN	468794002	1/9/2019	BETA	4.44E-02	1.99E-03	1.86E-03	
AP	DOW	468794003	1/9/2019	BETA	4.64E-02	2.02E-03	1.60E-03	
AP	COL	468794004	1/9/2019	BETA	4.87E-02	2.17E-03	1.72E-03	
AP	ONS-1	468794005	1/9/2019	BETA	5.59E-02	2.34E-03	1.84E-03	
AP	ONS-2	468794006	1/9/2019	BETA	4.77E-02	2.12E-03	1.97E-03	
AP	ONS-3	468794007	1/9/2019	BETA	5.36E-02	2.13E-03	1.55E-03	
AP	ONS-4	468794008	1/9/2019	BETA	4.98E-02	2.14E-03	1.64E-03	
AP	ONS-5	468794009	1/9/2019	BETA	5.22E-02	2.22E-03	1.76E-03	
AP	ONS-6	468794010	1/9/2019	BETA	4.49E-02	2.00E-03	1.86E-03	
AP	NBF	469304001	1/16/2019	BETA	2.68E-02	1.63E-03	1.74E-03	
AP	SBN	469304002	1/16/2019	BETA	2.14E-02	1.41E-03	1.71E-03	
AP	DOW	469304003	1/16/2019	BETA	2.15E-02	1.40E-03	1.56E-03	
AP	COL	469304004	1/16/2019	BETA	2.12E-02	1.49E-03	2.00E-03	
AP	ONS-1	469304005	1/16/2019	BETA	2.43E-02	1.58E-03	1.77E-03	
AP	ONS-2	469304006	1/16/2019	BETA	2.10E-02	1.41E-03	1.75E-03	
AP	ONS-3	469304007	1/16/2019	BETA	2.16E-02	1.39E-03	1.52E-03	
AP	ONS-4	469304008	1/16/2019	BETA	2.21E-02	1.50E-03	1.95E-03	
AP	ONS-5	469304009	1/16/2019	BETA	2.88E-02	1.67E-03	1.70E-03	
AP	ONS-6	469304010	1/16/2019	BETA	1.99E-02	1.37E-03	1.72E-03	
AP	NBF	469889001	1/23/2019	BETA	2.72E-02	1.59E-03	1.86E-03	
AP	SBN	469889002	1/23/2019	BETA	2.91E-02	1.56E-03	1.50E-03	
AP	DOW	469889003	1/23/2019	BETA	2.37E-02	1.49E-03	1.84E-03	
AP	COL	469889004	1/23/2019	BETA	3.02E-02	1.67E-03	1.61E-03	
AP	ONS-1	469889005	1/23/2019	BETA	2.38E-02	1.50E-03	1.88E-03	
AP	ONS-2	469889006	1/23/2019	BETA	2.89E-02	1.62E-03	1.62E-03	
AP	ONS-3	469889007	1/23/2019	BETA	2.47E-02	1.55E-03	1.90E-03	
AP	ONS-4	469889008	1/23/2019	BETA	2.76E-02	1.67E-03	1.74E-03	
AP	ONS-5	469889009	1/23/2019	BETA	2.49E-02	1.50E-03	1.81E-03	
AP	ONS-6	469889010	1/23/2019	BETA	2.39E-02	1.44E-03	1.53E-03	
AP	NBF	470343001	1/29/2019	BETA	3.66E-02	3.76E-03	1.81E-03	
AP	SBN	470343002	1/29/2019	BETA	3.51E-02	3.75E-03	2.09E-03	
AP	DOW	470343003	1/29/2019	BETA	3.54E-02	3.85E-03	1.91E-03	
AP	COL	470343004	1/29/2019	BETA	3.17E-02	3.51E-03	2.05E-03	
AP	ONS-1	470343005	1/29/2019	BETA	3.39E-02	3.52E-03	1.71E-03	
AP	ONS-2	470343006	1/29/2019	BETA	3.21E-02	3.65E-03	2.15E-03	
AP	ONS-3	470343007	1/29/2019	BETA	3.78E-02	3.96E-03	1.90E-03	
AP	ONS-4	470343008	1/29/2019	BETA	3.75E-02	3.82E-03	2.08E-03	
AP	ONS-5	470343009	1/29/2019	BETA	3.65E-02	3.67E-03	1.74E-03	
AP	ONS-6	470343010	1/29/2019	BETA	3.41E-02	3.72E-03	2.12E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	470949001	2/6/2019	BETA	3.72E-02	1.78E-03	1.60E-03	
AP	SBN	470949002	2/6/2019	BETA	3.42E-02	1.65E-03	1.62E-03	
AP	DOW	470949003	2/6/2019	BETA	3.46E-02	1.63E-03	1.45E-03	
AP	COL	470949004	2/6/2019	BETA	3.32E-02	1.66E-03	1.52E-03	
AP	ONS-1	470949005	2/6/2019	BETA	3.62E-02	1.75E-03	1.59E-03	
AP	ONS-2	470949006	2/6/2019	BETA	3.26E-02	1.64E-03	1.66E-03	
AP	ONS-3	470949007	2/6/2019	BETA	2.86E-02	1.46E-03	1.39E-03	
AP	ONS-4	470949008	2/6/2019	BETA	3.31E-02	1.62E-03	1.47E-03	
AP	ONS-5	470949009	2/6/2019	BETA	3.19E-02	1.65E-03	1.57E-03	
AP	ONS-6	470949010	2/6/2019	BETA	2.70E-02	1.46E-03	1.57E-03	
AP	NBF	471452001	2/13/2019	BETA	2.16E-02	1.42E-03	1.79E-03	
AP	SBN	471452002	2/13/2019	BETA	2.16E-02	1.36E-03	1.54E-03	
AP	DOW	471452003	2/13/2019	BETA	2.13E-02	1.45E-03	1.70E-03	
AP	COL	471452004	2/13/2019	BETA	1.61E-02	1.27E-03	1.70E-03	
AP	ONS-1	471452005	2/13/2019	BETA	1.76E-02	1.31E-03	1.79E-03	
AP	ONS-2	471452006	2/13/2019	BETA	2.26E-02	1.47E-03	1.70E-03	
AP	ONS-3	471452007	2/13/2019	BETA	1.84E-02	1.31E-03	1.60E-03	
AP	ONS-4	471452008	2/13/2019	BETA	2.38E-02	1.55E-03	1.80E-03	
AP	ONS-5	471452009	2/13/2019	BETA	1.79E-02	1.30E-03	1.77E-03	
AP	ONS-6	471452010	2/13/2019	BETA	2.05E-02	1.35E-03	1.58E-03	
AP	NBF	472003001	2/20/2019	BETA	3.41E-02	1.82E-03	1.74E-03	
AP	SBN	472003002	2/20/2019	BETA	3.01E-02	1.70E-03	1.86E-03	
AP	DOW	472003003	2/20/2019	BETA	3.35E-02	1.73E-03	1.61E-03	
AP	COL	472003004	2/20/2019	BETA	3.63E-02	1.82E-03	1.71E-03	
AP	ONS-1	472003005	2/20/2019	BETA	3.34E-02	1.80E-03	1.73E-03	
AP	ONS-2	472003006	2/20/2019	BETA	3.15E-02	1.74E-03	1.88E-03	
AP	ONS-3	472003007	2/20/2019	BETA	3.41E-02	1.72E-03	1.57E-03	
AP	ONS-4	472003008	2/20/2019	BETA	3.66E-02	1.84E-03	1.73E-03	
AP	ONS-5	472003009	2/20/2019	BETA	3.77E-02	1.89E-03	1.71E-03	
AP	ONS-6	472003010	2/20/2019	BETA	2.86E-02	1.60E-03	1.74E-03	
AP	NBF	472534001	2/27/2019	BETA	5.27E-02	2.23E-03	1.66E-03	
AP	SBN	472534002	2/27/2019	BETA	4.58E-02	1.99E-03	1.74E-03	
AP	DOW	472534003	2/27/2019	BETA	4.33E-02	1.94E-03	1.60E-03	
AP	COL	472534004	2/27/2019	BETA	4.27E-02	1.94E-03	1.60E-03	
AP	ONS-1	472534005	2/27/2019	BETA	4.43E-02	2.05E-03	1.66E-03	
AP	ONS-2	472534006	2/27/2019	BETA	3.84E-02	1.87E-03	1.81E-03	
AP	ONS-3	472534007	2/27/2019	BETA	4.36E-02	1.92E-03	1.55E-03	
AP	ONS-4	472534008	2/27/2019	BETA	4.28E-02	1.96E-03	1.64E-03	
AP	ONS-5	472534009	2/27/2019	BETA	4.69E-02	2.09E-03	1.64E-03	
AP	ONS-6	472534010	2/27/2019	BETA	4.15E-02	1.89E-03	1.74E-03	
AP	NBF	473118001	3/6/2019	BETA	3.18E-02	1.72E-03	1.69E-03	
AP	SBN	473118002	3/6/2019	BETA	3.42E-02	1.82E-03	1.74E-03	
AP	DOW	473118003	3/6/2019	BETA	2.97E-02	1.67E-03	1.84E-03	
AP	COL	473118004	3/6/2019	BETA	3.30E-02	1.65E-03	1.50E-03	
AP	ONS-1	473118005	3/6/2019	BETA	2.92E-02	1.62E-03	1.64E-03	
AP	ONS-2	473118006	3/6/2019	BETA	3.35E-02	1.85E-03	1.83E-03	
AP	ONS-3	473118007	3/6/2019	BETA	2.77E-02	1.59E-03	1.78E-03	
AP	ONS-4	473118008	3/6/2019	BETA	3.16E-02	1.70E-03	1.64E-03	
AP	ONS-5	473118009	3/6/2019	BETA	3.14E-02	1.66E-03	1.62E-03	
AP	ONS-6	473118010	3/6/2019	BETA	3.25E-02	1.76E-03	1.72E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	473771001	3/13/2019	BETA	4.62E-02	2.14E-03	1.81E-03	
AP	SBN	473771002	3/13/2019	BETA	3.61E-02	1.84E-03	1.87E-03	
AP	DOW	473771003	3/13/2019	BETA	4.25E-02	1.94E-03	1.60E-03	
AP	COL	473771004	3/13/2019	BETA	4.05E-02	1.97E-03	1.80E-03	
AP	ONS-1	473771005	3/13/2019	BETA	4.63E-02	2.13E-03	1.78E-03	
AP	ONS-2	473771006	3/13/2019	BETA	4.21E-02	2.01E-03	1.96E-03	
AP	ONS-3	473771007	3/13/2019	BETA	3.83E-02	1.78E-03	1.49E-03	
AP	ONS-4	473771008	3/13/2019	BETA	4.43E-02	1.98E-03	1.69E-03	
AP	ONS-5	473771009	3/13/2019	BETA	5.27E-02	2.24E-03	1.75E-03	
AP	ONS-6	473771010	3/13/2019	BETA	3.82E-02	1.87E-03	1.86E-03	
AP	NBF	474343001	3/20/2019	BETA	3.86E-02	1.94E-03	1.76E-03	
AP	SBN	474343002	3/20/2019	BETA	2.70E-02	1.57E-03	1.79E-03	
AP	DOW	474343003	3/20/2019	BETA	3.09E-02	1.66E-03	1.57E-03	
AP	COL	474343004	3/20/2019	BETA	3.29E-02	1.76E-03	1.76E-03	
AP	ONS-1	474343005	3/20/2019	BETA	3.25E-02	1.80E-03	1.76E-03	
AP	ONS-2	474343006	3/20/2019	BETA	2.81E-02	1.66E-03	1.92E-03	
AP	ONS-3	474343007	3/20/2019	BETA	2.96E-02	1.57E-03	1.47E-03	
AP	ONS-4	474343008	3/20/2019	BETA	3.26E-02	1.75E-03	1.76E-03	
AP	ONS-5	474343009	3/20/2019	BETA	3.48E-02	1.87E-03	1.79E-03	
AP	ONS-6	474343010	3/20/2019	BETA	3.08E-02	1.65E-03	1.77E-03	
AP	NBF	474876001	3/27/2019	BETA	2.73E-02	1.68E-03	1.80E-03	
AP	SBN	474876002	3/27/2019	BETA	2.26E-02	1.44E-03	1.75E-03	
AP	DOW	474876003	3/27/2019	BETA	2.24E-02	1.47E-03	1.70E-03	
AP	COL	474876004	3/27/2019	BETA	2.07E-02	1.39E-03	1.66E-03	
AP	ONS-1	474876005	3/27/2019	BETA	2.70E-02	1.63E-03	1.73E-03	
AP	ONS-2	474876006	3/27/2019	BETA	2.02E-02	1.47E-03	1.97E-03	
AP	ONS-3	474876007	3/27/2019	BETA	2.03E-02	1.41E-03	1.71E-03	
AP	ONS-4	474876008	3/27/2019	BETA	2.16E-02	1.49E-03	1.82E-03	
AP	ONS-5	474876009	3/27/2019	BETA	2.44E-02	1.59E-03	1.78E-03	
AP	ONS-6	474876010	3/27/2019	BETA	2.19E-02	1.46E-03	1.83E-03	
AP	NBF	478601001	3/27/2019	Ac-228	8.37E-05	6.44E-04	1.70E-03	U
AP	NBF	478601001	3/27/2019	Ag-108m	1.23E-05	7.25E-05	2.28E-04	U
AP	NBF	478601001	3/27/2019	Ag-110m	5.76E-05	1.67E-04	5.71E-04	U
AP	NBF	478601001	3/27/2019	Ba-140	-8.32E-02	4.17E-02	8.99E-02	U
AP	NBF	478601001	3/27/2019	Be-7	1.29E-01	9.27E-03	6.67E-03	
AP	NBF	478601001	3/27/2019	Ce-141	1.22E-04	8.77E-04	1.66E-03	U
AP	NBF	478601001	3/27/2019	Ce-144	1.03E-03	6.53E-04	1.48E-03	U
AP	NBF	478601001	3/27/2019	Co-57	-1.02E-05	6.26E-05	1.97E-04	U
AP	NBF	478601001	3/27/2019	Co-58	-1.98E-04	2.07E-04	6.09E-04	U
AP	NBF	478601001	3/27/2019	Co-60	9.81E-05	1.03E-04	3.66E-04	U
AP	NBF	478601001	3/27/2019	Cr-51	6.33E-03	5.48E-03	1.88E-02	U
AP	NBF	478601001	3/27/2019	Cs-134	5.77E-05	1.08E-04	3.74E-04	U
AP	NBF	478601001	3/27/2019	Cs-137	7.47E-05	8.64E-05	3.07E-04	U
AP	NBF	478601001	3/27/2019	Fe-59	4.67E-04	8.36E-04	2.85E-03	U
AP	NBF	478601001	3/27/2019	I-131	-2.39E-01	2.25E-01	0.00E+00	U
AP	NBF	478601001	3/27/2019	K-40	-2.33E-04	1.41E-03	4.96E-03	U
AP	NBF	478601001	3/27/2019	La-140	1.74E-02	1.82E-02	6.59E-02	U
AP	NBF	478601001	3/27/2019	Mn-54	2.92E-04	1.38E-04	4.72E-04	U
AP	NBF	478601001	3/27/2019	Nb-95	-1.90E-04	2.11E-04	6.31E-04	U
AP	NBF	478601001	3/27/2019	Ru-103	-2.57E-04	4.10E-04	1.08E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	478601001	3/27/2019	Ru-106	-3.00E-04	9.67E-04	2.98E-03	U
AP	NBF	478601001	3/27/2019	Sb-124	-3.57E-04	5.46E-04	1.57E-03	U
AP	NBF	478601001	3/27/2019	Sb-125	2.25E-04	1.92E-04	6.62E-04	U
AP	NBF	478601001	3/27/2019	Se-75	-1.54E-05	1.53E-04	5.11E-04	U
AP	NBF	478601001	3/27/2019	Th-228	6.49E-05	2.77E-04	5.17E-04	U
AP	NBF	478601001	3/27/2019	Zn-65	3.01E-04	2.25E-04	8.23E-04	U
AP	NBF	478601001	3/27/2019	Zr-95	2.84E-04	3.63E-04	1.29E-03	U
AP	SBN	478601002	3/27/2019	Ac-228	-2.34E-04	3.80E-04	1.22E-03	U
AP	SBN	478601002	3/27/2019	Ag-108m	5.67E-05	5.60E-05	1.72E-04	U
AP	SBN	478601002	3/27/2019	Ag-110m	-6.54E-05	1.40E-04	4.06E-04	U
AP	SBN	478601002	3/27/2019	Ba-140	1.78E-02	2.87E-02	9.45E-02	U
AP	SBN	478601002	3/27/2019	Be-7	1.27E-01	8.45E-03	5.11E-03	
AP	SBN	478601002	3/27/2019	Ce-141	2.12E-04	5.30E-04	1.58E-03	U
AP	SBN	478601002	3/27/2019	Ce-144	-8.23E-04	4.28E-04	1.08E-03	U
AP	SBN	478601002	3/27/2019	Co-57	-6.59E-05	5.23E-05	1.50E-04	U
AP	SBN	478601002	3/27/2019	Co-58	2.11E-04	1.69E-04	5.31E-04	U
AP	SBN	478601002	3/27/2019	Co-60	5.01E-05	8.00E-05	2.80E-04	U
AP	SBN	478601002	3/27/2019	Cr-51	-7.43E-03	4.80E-03	1.36E-02	U
AP	SBN	478601002	3/27/2019	Cs-134	3.81E-05	8.14E-05	2.69E-04	U
AP	SBN	478601002	3/27/2019	Cs-137	1.12E-04	7.22E-05	2.49E-04	U
AP	SBN	478601002	3/27/2019	Fe-59	-5.53E-04	5.31E-04	1.47E-03	U
AP	SBN	478601002	3/27/2019	I-131	2.68E-01	1.66E-01	0.00E+00	UI
AP	SBN	478601002	3/27/2019	K-40	7.23E-04	1.23E-03	4.25E-03	U
AP	SBN	478601002	3/27/2019	La-140	3.68E-03	1.09E-02	3.69E-02	U
AP	SBN	478601002	3/27/2019	Mn-54	1.38E-04	8.41E-05	2.88E-04	U
AP	SBN	478601002	3/27/2019	Nb-95	3.37E-05	1.65E-04	5.57E-04	U
AP	SBN	478601002	3/27/2019	Ru-103	-3.60E-04	2.98E-04	8.39E-04	U
AP	SBN	478601002	3/27/2019	Ru-106	-2.03E-05	6.42E-04	2.17E-03	U
AP	SBN	478601002	3/27/2019	Sb-124	-4.17E-04	4.60E-04	1.29E-03	U
AP	SBN	478601002	3/27/2019	Sb-125	-5.97E-05	1.77E-04	5.62E-04	U
AP	SBN	478601002	3/27/2019	Se-75	-3.36E-05	1.13E-04	3.75E-04	U
AP	SBN	478601002	3/27/2019	Th-228	1.99E-04	2.10E-04	4.53E-04	U
AP	SBN	478601002	3/27/2019	Zn-65	2.99E-04	3.11E-04	8.15E-04	U
AP	SBN	478601002	3/27/2019	Zr-95	-1.59E-04	3.25E-04	1.04E-03	U
AP	DOW	478601003	3/27/2019	Ac-228	8.45E-04	6.41E-04	1.60E-03	U
AP	DOW	478601003	3/27/2019	Ag-108m	-7.05E-06	4.24E-05	1.39E-04	U
AP	DOW	478601003	3/27/2019	Ag-110m	-1.08E-05	1.54E-04	4.76E-04	U
AP	DOW	478601003	3/27/2019	Ba-140	2.97E-02	3.68E-02	1.26E-01	U
AP	DOW	478601003	3/27/2019	Be-7	1.36E-01	9.76E-03	6.09E-03	
AP	DOW	478601003	3/27/2019	Ce-141	-5.28E-04	5.08E-04	1.53E-03	U
AP	DOW	478601003	3/27/2019	Ce-144	4.52E-04	3.90E-04	1.32E-03	U
AP	DOW	478601003	3/27/2019	Co-57	-2.81E-05	4.56E-05	1.45E-04	U
AP	DOW	478601003	3/27/2019	Co-58	1.71E-04	1.55E-04	5.69E-04	U
AP	DOW	478601003	3/27/2019	Co-60	9.70E-05	1.11E-04	3.91E-04	U
AP	DOW	478601003	3/27/2019	Cr-51	-1.06E-02	5.86E-03	1.61E-02	U
AP	DOW	478601003	3/27/2019	Cs-134	-1.06E-04	1.10E-04	3.09E-04	U
AP	DOW	478601003	3/27/2019	Cs-137	-7.20E-06	6.91E-05	2.19E-04	U
AP	DOW	478601003	3/27/2019	Fe-59	-1.41E-03	9.15E-04	2.02E-03	U
AP	DOW	478601003	3/27/2019	I-131	-4.74E-03	1.47E-01	0.00E+00	U
AP	DOW	478601003	3/27/2019	K-40	1.44E-03	1.59E-03	5.83E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	DOW	478601003	3/27/2019	La-140	-2.11E-02	1.41E-02	3.04E-02	U
AP	DOW	478601003	3/27/2019	Mn-54	-8.33E-06	9.11E-05	3.04E-04	U
AP	DOW	478601003	3/27/2019	Nb-95	-6.02E-05	1.95E-04	6.41E-04	U
AP	DOW	478601003	3/27/2019	Ru-103	-2.22E-04	3.23E-04	9.90E-04	U
AP	DOW	478601003	3/27/2019	Ru-106	-3.41E-05	8.38E-04	2.70E-03	U
AP	DOW	478601003	3/27/2019	Sb-124	-3.71E-05	5.31E-04	1.75E-03	U
AP	DOW	478601003	3/27/2019	Sb-125	1.05E-04	1.62E-04	5.64E-04	U
AP	DOW	478601003	3/27/2019	Se-75	-2.94E-04	1.59E-04	3.83E-04	U
AP	DOW	478601003	3/27/2019	Th-228	-7.04E-05	1.24E-04	3.75E-04	U
AP	DOW	478601003	3/27/2019	Zn-65	2.89E-04	3.43E-04	1.10E-03	U
AP	DOW	478601003	3/27/2019	Zr-95	-1.20E-04	3.55E-04	1.08E-03	U
AP	COL	478601004	3/27/2019	Ac-228	3.95E-04	3.98E-04	1.40E-03	U
AP	COL	478601004	3/27/2019	Ag-108m	7.66E-06	5.72E-05	1.90E-04	U
AP	COL	478601004	3/27/2019	Ag-110m	1.19E-04	1.24E-04	4.36E-04	U
AP	COL	478601004	3/27/2019	Ba-140	-3.97E-02	3.25E-02	9.03E-02	U
AP	COL	478601004	3/27/2019	Be-7	1.33E-01	9.18E-03	4.76E-03	
AP	COL	478601004	3/27/2019	Ce-141	6.10E-04	4.55E-04	1.40E-03	U
AP	COL	478601004	3/27/2019	Ce-144	5.65E-05	3.18E-04	1.03E-03	U
AP	COL	478601004	3/27/2019	Co-57	-9.22E-06	4.40E-05	1.41E-04	U
AP	COL	478601004	3/27/2019	Co-58	2.56E-04	1.78E-04	6.26E-04	U
AP	COL	478601004	3/27/2019	Co-60	-2.18E-06	8.66E-05	2.41E-04	U
AP	COL	478601004	3/27/2019	Cr-51	-3.69E-03	4.31E-03	1.36E-02	U
AP	COL	478601004	3/27/2019	Cs-134	-1.46E-05	8.80E-05	2.92E-04	U
AP	COL	478601004	3/27/2019	Cs-137	8.53E-06	7.81E-05	2.50E-04	U
AP	COL	478601004	3/27/2019	Fe-59	-1.17E-04	5.38E-04	1.71E-03	U
AP	COL	478601004	3/27/2019	I-131	3.44E-02	1.42E-01	0.00E+00	UI
AP	COL	478601004	3/27/2019	K-40	1.30E-03	1.30E-03	2.85E-03	U
AP	COL	478601004	3/27/2019	La-140	2.31E-02	1.41E-02	5.15E-02	U
AP	COL	478601004	3/27/2019	Mn-54	-2.64E-05	9.14E-05	2.99E-04	U
AP	COL	478601004	3/27/2019	Nb-95	-1.60E-04	1.82E-04	5.58E-04	U
AP	COL	478601004	3/27/2019	Ru-103	-1.69E-04	3.18E-04	9.92E-04	U
AP	COL	478601004	3/27/2019	Ru-106	-5.15E-05	7.12E-04	2.16E-03	U
AP	COL	478601004	3/27/2019	Sb-124	2.09E-04	4.93E-04	1.72E-03	U
AP	COL	478601004	3/27/2019	Sb-125	-1.19E-04	1.86E-04	5.82E-04	U
AP	COL	478601004	3/27/2019	Se-75	-2.51E-07	1.26E-04	4.30E-04	U
AP	COL	478601004	3/27/2019	Th-228	-1.04E-04	1.25E-04	3.63E-04	U
AP	COL	478601004	3/27/2019	Zn-65	-2.25E-04	2.53E-04	7.42E-04	U
AP	COL	478601004	3/27/2019	Zr-95	9.94E-05	2.94E-04	1.01E-03	U
AP	ONS-1	478601005	3/27/2019	Ac-228	-6.51E-04	4.21E-04	1.13E-03	U
AP	ONS-1	478601005	3/27/2019	Ag-108m	-5.79E-05	6.57E-05	1.94E-04	U
AP	ONS-1	478601005	3/27/2019	Ag-110m	1.37E-04	1.21E-04	4.37E-04	U
AP	ONS-1	478601005	3/27/2019	Ba-140	1.37E-03	4.08E-02	1.31E-01	U
AP	ONS-1	478601005	3/27/2019	Be-7	1.26E-01	9.31E-03	6.97E-03	
AP	ONS-1	478601005	3/27/2019	Ce-141	1.77E-03	9.84E-04	1.59E-03	UI
AP	ONS-1	478601005	3/27/2019	Ce-144	-2.66E-04	4.30E-04	1.29E-03	U
AP	ONS-1	478601005	3/27/2019	Co-57	-8.26E-05	5.10E-05	1.30E-04	U
AP	ONS-1	478601005	3/27/2019	Co-58	-1.08E-04	1.97E-04	6.18E-04	U
AP	ONS-1	478601005	3/27/2019	Co-60	-1.00E-04	9.44E-05	2.37E-04	U
AP	ONS-1	478601005	3/27/2019	Cr-51	3.14E-03	5.87E-03	1.98E-02	U
AP	ONS-1	478601005	3/27/2019	Cs-134	5.51E-05	9.68E-05	3.37E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-1	478601005	3/27/2019	Cs-137	2.57E-05	8.12E-05	2.81E-04	U
AP	ONS-1	478601005	3/27/2019	Fe-59	1.06E-05	5.43E-04	1.77E-03	U
AP	ONS-1	478601005	3/27/2019	I-131	-1.12E-01	1.75E-01	0.00E+00	U
AP	ONS-1	478601005	3/27/2019	K-40	-1.19E-03	1.30E-03	4.57E-03	U
AP	ONS-1	478601005	3/27/2019	La-140	1.96E-03	1.50E-02	5.08E-02	U
AP	ONS-1	478601005	3/27/2019	Mn-54	-4.94E-05	9.19E-05	2.87E-04	U
AP	ONS-1	478601005	3/27/2019	Nb-95	-5.95E-04	2.59E-04	4.92E-04	U
AP	ONS-1	478601005	3/27/2019	Ru-103	-4.20E-04	3.48E-04	9.51E-04	U
AP	ONS-1	478601005	3/27/2019	Ru-106	-4.21E-04	7.84E-04	2.21E-03	U
AP	ONS-1	478601005	3/27/2019	Sb-124	3.47E-04	6.18E-04	2.19E-03	U
AP	ONS-1	478601005	3/27/2019	Sb-125	-1.40E-04	1.92E-04	5.78E-04	U
AP	ONS-1	478601005	3/27/2019	Se-75	-7.08E-05	1.32E-04	4.25E-04	U
AP	ONS-1	478601005	3/27/2019	Th-228	-4.19E-05	1.46E-04	4.66E-04	U
AP	ONS-1	478601005	3/27/2019	Zn-65	1.74E-04	2.19E-04	7.68E-04	U
AP	ONS-1	478601005	3/27/2019	Zr-95	3.61E-04	3.64E-04	1.29E-03	U
AP	ONS-2	478601006	3/27/2019	Ac-228	-1.65E-04	4.14E-04	1.29E-03	U
AP	ONS-2	478601006	3/27/2019	Ag-108m	1.09E-05	6.86E-05	2.31E-04	U
AP	ONS-2	478601006	3/27/2019	Ag-110m	7.39E-05	1.47E-04	5.17E-04	U
AP	ONS-2	478601006	3/27/2019	Ba-140	1.47E-02	3.33E-02	1.14E-01	U
AP	ONS-2	478601006	3/27/2019	Be-7	1.50E-01	1.06E-02	6.42E-03	U
AP	ONS-2	478601006	3/27/2019	Ce-141	-5.56E-04	5.31E-04	1.56E-03	U
AP	ONS-2	478601006	3/27/2019	Ce-144	-2.03E-04	3.99E-04	1.26E-03	U
AP	ONS-2	478601006	3/27/2019	Co-57	3.94E-05	4.73E-05	1.60E-04	U
AP	ONS-2	478601006	3/27/2019	Co-58	-1.47E-04	1.89E-04	5.27E-04	U
AP	ONS-2	478601006	3/27/2019	Co-60	1.92E-04	9.60E-05	3.70E-04	U
AP	ONS-2	478601006	3/27/2019	Cr-51	-7.14E-03	5.12E-03	1.50E-02	U
AP	ONS-2	478601006	3/27/2019	Cs-134	-3.94E-05	9.77E-05	2.94E-04	U
AP	ONS-2	478601006	3/27/2019	Cs-137	1.28E-05	9.48E-05	3.10E-04	U
AP	ONS-2	478601006	3/27/2019	Fe-59	1.07E-03	6.35E-04	2.38E-03	U
AP	ONS-2	478601006	3/27/2019	I-131	-1.93E-03	1.44E-01	0.00E+00	U
AP	ONS-2	478601006	3/27/2019	K-40	-1.18E-04	1.31E-03	4.52E-03	U
AP	ONS-2	478601006	3/27/2019	La-140	-1.49E-02	1.97E-02	5.50E-02	U
AP	ONS-2	478601006	3/27/2019	Mn-54	4.00E-05	8.51E-05	3.02E-04	U
AP	ONS-2	478601006	3/27/2019	Nb-95	2.41E-04	2.34E-04	8.01E-04	U
AP	ONS-2	478601006	3/27/2019	Ru-103	-3.57E-04	3.10E-04	8.69E-04	U
AP	ONS-2	478601006	3/27/2019	Ru-106	-9.62E-04	1.05E-03	3.09E-03	U
AP	ONS-2	478601006	3/27/2019	Sb-124	-7.64E-04	6.06E-04	1.50E-03	U
AP	ONS-2	478601006	3/27/2019	Sb-125	1.08E-04	2.13E-04	7.30E-04	U
AP	ONS-2	478601006	3/27/2019	Se-75	1.42E-04	1.26E-04	4.14E-04	U
AP	ONS-2	478601006	3/27/2019	Th-228	1.53E-04	1.93E-04	4.64E-04	U
AP	ONS-2	478601006	3/27/2019	Zn-65	3.18E-06	2.72E-04	9.02E-04	U
AP	ONS-2	478601006	3/27/2019	Zr-95	4.87E-04	3.23E-04	1.16E-03	U
AP	ONS-3	478601007	3/27/2019	Ac-228	3.23E-05	3.47E-04	1.06E-03	U
AP	ONS-3	478601007	3/27/2019	Ag-108m	-6.80E-05	4.96E-05	1.43E-04	U
AP	ONS-3	478601007	3/27/2019	Ag-110m	2.33E-04	1.24E-04	4.37E-04	U
AP	ONS-3	478601007	3/27/2019	Ba-140	7.93E-03	3.08E-02	1.05E-01	U
AP	ONS-3	478601007	3/27/2019	Be-7	1.35E-01	8.99E-03	5.62E-03	U
AP	ONS-3	478601007	3/27/2019	Ce-141	-5.30E-04	4.51E-04	1.35E-03	U
AP	ONS-3	478601007	3/27/2019	Ce-144	7.98E-04	3.65E-04	1.17E-03	U
AP	ONS-3	478601007	3/27/2019	Co-57	5.01E-05	4.16E-05	1.42E-04	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-3	478601007	3/27/2019	Co-58	-1.51E-04	1.31E-04	3.39E-04	U
AP	ONS-3	478601007	3/27/2019	Co-60	-1.42E-04	8.08E-05	1.69E-04	U
AP	ONS-3	478601007	3/27/2019	Cr-51	-1.42E-04	4.04E-03	1.27E-02	U
AP	ONS-3	478601007	3/27/2019	Cs-134	6.14E-05	7.12E-05	2.31E-04	U
AP	ONS-3	478601007	3/27/2019	Cs-137	9.77E-05	1.09E-04	2.06E-04	U
AP	ONS-3	478601007	3/27/2019	Fe-59	5.27E-05	5.46E-04	1.87E-03	U
AP	ONS-3	478601007	3/27/2019	I-131	-9.33E-02	1.40E-01	0.00E+00	U
AP	ONS-3	478601007	3/27/2019	K-40	1.49E-03	1.20E-03	2.17E-03	U
AP	ONS-3	478601007	3/27/2019	La-140	-1.88E-02	1.50E-02	3.84E-02	U
AP	ONS-3	478601007	3/27/2019	Mn-54	2.58E-05	5.62E-05	1.93E-04	U
AP	ONS-3	478601007	3/27/2019	Nb-95	7.30E-05	1.63E-04	5.02E-04	U
AP	ONS-3	478601007	3/27/2019	Ru-103	-2.26E-05	2.53E-04	8.48E-04	U
AP	ONS-3	478601007	3/27/2019	Ru-106	5.64E-04	6.69E-04	2.33E-03	U
AP	ONS-3	478601007	3/27/2019	Sb-124	1.36E-04	4.06E-04	1.41E-03	U
AP	ONS-3	478601007	3/27/2019	Sb-125	2.44E-04	2.14E-04	5.32E-04	U
AP	ONS-3	478601007	3/27/2019	Se-75	5.55E-06	1.26E-04	4.02E-04	U
AP	ONS-3	478601007	3/27/2019	Th-228	5.39E-04	2.52E-04	4.01E-04	UI
AP	ONS-3	478601007	3/27/2019	Zn-65	7.41E-05	1.42E-04	5.13E-04	U
AP	ONS-3	478601007	3/27/2019	Zr-95	2.17E-04	2.90E-04	1.00E-03	U
AP	ONS-4	478601008	3/27/2019	Ac-228	7.09E-04	5.00E-04	1.42E-03	U
AP	ONS-4	478601008	3/27/2019	Ag-108m	2.22E-04	1.28E-04	2.45E-04	U
AP	ONS-4	478601008	3/27/2019	Ag-110m	2.04E-04	1.57E-04	5.62E-04	U
AP	ONS-4	478601008	3/27/2019	Ba-140	2.74E-02	3.85E-02	1.29E-01	U
AP	ONS-4	478601008	3/27/2019	Be-7	1.37E-01	9.87E-03	5.72E-03	
AP	ONS-4	478601008	3/27/2019	Ce-141	4.73E-04	5.92E-04	2.03E-03	U
AP	ONS-4	478601008	3/27/2019	Ce-144	-3.75E-04	4.38E-04	1.39E-03	U
AP	ONS-4	478601008	3/27/2019	Co-57	6.21E-05	5.59E-05	1.92E-04	U
AP	ONS-4	478601008	3/27/2019	Co-58	-2.64E-04	2.39E-04	5.89E-04	U
AP	ONS-4	478601008	3/27/2019	Co-60	6.77E-05	9.98E-05	3.52E-04	U
AP	ONS-4	478601008	3/27/2019	Cr-51	2.75E-03	5.21E-03	1.75E-02	U
AP	ONS-4	478601008	3/27/2019	Cs-134	-7.18E-06	9.10E-05	3.06E-04	U
AP	ONS-4	478601008	3/27/2019	Cs-137	-2.68E-05	9.25E-05	2.85E-04	U
AP	ONS-4	478601008	3/27/2019	Fe-59	-7.44E-04	6.63E-04	1.82E-03	U
AP	ONS-4	478601008	3/27/2019	I-131	-2.87E-01	2.09E-01	0.00E+00	U
AP	ONS-4	478601008	3/27/2019	K-40	-2.43E-03	1.17E-03	2.54E-03	U
AP	ONS-4	478601008	3/27/2019	La-140	5.87E-03	1.54E-02	5.29E-02	U
AP	ONS-4	478601008	3/27/2019	Mn-54	1.70E-05	8.85E-05	3.04E-04	U
AP	ONS-4	478601008	3/27/2019	Nb-95	4.22E-04	2.78E-04	6.04E-04	U
AP	ONS-4	478601008	3/27/2019	Ru-103	-1.31E-04	3.69E-04	1.15E-03	U
AP	ONS-4	478601008	3/27/2019	Ru-106	1.64E-04	7.64E-04	2.48E-03	U
AP	ONS-4	478601008	3/27/2019	Sb-124	-2.52E-04	5.66E-04	1.68E-03	U
AP	ONS-4	478601008	3/27/2019	Sb-125	7.54E-05	2.51E-04	7.44E-04	U
AP	ONS-4	478601008	3/27/2019	Se-75	-1.97E-04	1.41E-04	4.02E-04	U
AP	ONS-4	478601008	3/27/2019	Th-228	-5.53E-05	1.55E-04	5.00E-04	U
AP	ONS-4	478601008	3/27/2019	Zn-65	6.68E-05	2.18E-04	7.47E-04	U
AP	ONS-4	478601008	3/27/2019	Zr-95	-8.51E-05	3.78E-04	1.21E-03	U
AP	ONS-5	478601009	3/27/2019	Ac-228	4.91E-04	4.87E-04	1.22E-03	U
AP	ONS-5	478601009	3/27/2019	Ag-108m	-5.25E-05	5.22E-05	1.44E-04	U
AP	ONS-5	478601009	3/27/2019	Ag-110m	2.42E-05	9.45E-05	3.27E-04	U
AP	ONS-5	478601009	3/27/2019	Ba-140	-1.61E-02	3.05E-02	9.38E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-5	478601009	3/27/2019	Be-7	1.36E-01	8.93E-03	4.68E-03	
AP	ONS-5	478601009	3/27/2019	Ce-141	-7.69E-05	5.21E-04	1.65E-03	U
AP	ONS-5	478601009	3/27/2019	Ce-144	3.94E-04	3.79E-04	1.24E-03	U
AP	ONS-5	478601009	3/27/2019	Co-57	1.21E-05	4.82E-05	1.57E-04	U
AP	ONS-5	478601009	3/27/2019	Co-58	1.04E-04	1.46E-04	5.20E-04	U
AP	ONS-5	478601009	3/27/2019	Co-60	-5.84E-05	7.77E-05	2.19E-04	U
AP	ONS-5	478601009	3/27/2019	Cr-51	1.33E-03	4.92E-03	1.68E-02	U
AP	ONS-5	478601009	3/27/2019	Cs-134	1.00E-05	8.16E-05	2.80E-04	U
AP	ONS-5	478601009	3/27/2019	Cs-137	1.52E-05	7.74E-05	2.26E-04	U
AP	ONS-5	478601009	3/27/2019	Fe-59	7.71E-04	8.44E-04	1.96E-03	U
AP	ONS-5	478601009	3/27/2019	I-131	1.02E-01	1.81E-01	0.00E+00	UI
AP	ONS-5	478601009	3/27/2019	K-40	4.29E-03	1.51E-03	2.75E-03	
AP	ONS-5	478601009	3/27/2019	La-140	1.87E-03	7.65E-03	2.45E-02	U
AP	ONS-5	478601009	3/27/2019	Mn-54	4.13E-05	5.75E-05	2.08E-04	U
AP	ONS-5	478601009	3/27/2019	Nb-95	9.12E-05	1.68E-04	5.92E-04	U
AP	ONS-5	478601009	3/27/2019	Ru-103	-7.91E-04	3.50E-04	7.54E-04	U
AP	ONS-5	478601009	3/27/2019	Ru-106	5.27E-04	7.02E-04	2.37E-03	U
AP	ONS-5	478601009	3/27/2019	Sb-124	5.36E-04	5.87E-04	2.14E-03	U
AP	ONS-5	478601009	3/27/2019	Sb-125	-4.22E-05	1.73E-04	5.61E-04	U
AP	ONS-5	478601009	3/27/2019	Se-75	5.76E-05	1.39E-04	4.37E-04	U
AP	ONS-5	478601009	3/27/2019	Th-228	3.14E-05	1.23E-04	4.18E-04	U
AP	ONS-5	478601009	3/27/2019	Zn-65	2.96E-04	2.26E-04	7.53E-04	U
AP	ONS-5	478601009	3/27/2019	Zr-95	-2.07E-04	2.36E-04	7.03E-04	U
AP	ONS-6	478601010	3/27/2019	Ac-228	1.89E-04	3.84E-04	1.18E-03	U
AP	ONS-6	478601010	3/27/2019	Ag-108m	-3.70E-05	5.45E-05	1.58E-04	U
AP	ONS-6	478601010	3/27/2019	Ag-110m	9.61E-05	1.30E-04	4.42E-04	U
AP	ONS-6	478601010	3/27/2019	Ba-140	4.81E-02	3.16E-02	1.05E-01	U
AP	ONS-6	478601010	3/27/2019	Be-7	1.35E-01	8.73E-03	5.07E-03	
AP	ONS-6	478601010	3/27/2019	Ce-141	-1.21E-03	5.95E-04	1.47E-03	U
AP	ONS-6	478601010	3/27/2019	Ce-144	9.77E-04	6.88E-04	1.32E-03	U
AP	ONS-6	478601010	3/27/2019	Co-57	9.78E-05	5.54E-05	1.77E-04	U
AP	ONS-6	478601010	3/27/2019	Co-58	3.23E-06	1.51E-04	4.99E-04	U
AP	ONS-6	478601010	3/27/2019	Co-60	4.40E-05	7.93E-05	2.76E-04	U
AP	ONS-6	478601010	3/27/2019	Cr-51	7.25E-04	4.58E-03	1.54E-02	U
AP	ONS-6	478601010	3/27/2019	Cs-134	1.07E-04	7.90E-05	2.53E-04	U
AP	ONS-6	478601010	3/27/2019	Cs-137	-2.14E-05	6.02E-05	1.97E-04	U
AP	ONS-6	478601010	3/27/2019	Fe-59	2.86E-04	4.82E-04	1.63E-03	U
AP	ONS-6	478601010	3/27/2019	I-131	-2.22E-02	1.45E-01	0.00E+00	U
AP	ONS-6	478601010	3/27/2019	K-40	7.24E-03	1.14E-03	2.05E-03	UI
AP	ONS-6	478601010	3/27/2019	La-140	1.46E-02	1.11E-02	4.03E-02	U
AP	ONS-6	478601010	3/27/2019	Mn-54	6.14E-05	8.02E-05	2.75E-04	U
AP	ONS-6	478601010	3/27/2019	Nb-95	4.12E-04	2.96E-04	5.23E-04	U
AP	ONS-6	478601010	3/27/2019	Ru-103	2.50E-04	2.90E-04	9.61E-04	U
AP	ONS-6	478601010	3/27/2019	Ru-106	-1.49E-04	7.30E-04	2.44E-03	U
AP	ONS-6	478601010	3/27/2019	Sb-124	-1.96E-04	3.26E-04	9.35E-04	U
AP	ONS-6	478601010	3/27/2019	Sb-125	-6.33E-05	1.65E-04	5.21E-04	U
AP	ONS-6	478601010	3/27/2019	Se-75	4.63E-05	1.27E-04	4.34E-04	U
AP	ONS-6	478601010	3/27/2019	Th-228	2.10E-04	1.83E-04	4.62E-04	U
AP	ONS-6	478601010	3/27/2019	Zn-65	1.07E-04	1.99E-04	6.64E-04	U
AP	ONS-6	478601010	3/27/2019	Zr-95	3.72E-04	2.95E-04	1.03E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	NBF	475441001	4/3/2019	BETA	2.69E-02	1.60E-03	1.60E-03	
AP	SBN	475441002	4/3/2019	BETA	3.25E-02	1.79E-03	1.72E-03	
AP	DOW	475441003	4/3/2019	BETA	2.54E-02	1.58E-03	1.79E-03	
AP	COL	475441004	4/3/2019	BETA	2.40E-02	1.47E-03	1.56E-03	
AP	ONS-1	475441005	4/3/2019	BETA	3.14E-02	1.70E-03	1.58E-03	
AP	ONS-2	475441006	4/3/2019	BETA	3.18E-02	1.87E-03	1.90E-03	
AP	ONS-3	475441007	4/3/2019	BETA	2.64E-02	1.51E-03	1.60E-03	
AP	ONS-4	475441008	4/3/2019	BETA	2.67E-02	1.52E-03	1.53E-03	
AP	ONS-5	475441009	4/3/2019	BETA	2.76E-02	1.61E-03	1.60E-03	
AP	ONS-6	475441010	4/3/2019	BETA	3.00E-02	1.74E-03	1.74E-03	
AP	NBF	476342001	4/10/2019	BETA	3.27E-02	1.83E-03	1.77E-03	
AP	SBN	476342002	4/10/2019	BETA	2.71E-02	1.61E-03	1.75E-03	
AP	DOW	476342003	4/10/2019	BETA	2.95E-02	1.66E-03	1.65E-03	
AP	COL	476342004	4/10/2019	BETA	2.77E-02	1.61E-03	1.59E-03	
AP	ONS-1	476342005	4/10/2019	BETA	2.74E-02	1.67E-03	1.74E-03	
AP	ONS-2	476342006	4/10/2019	BETA	2.73E-02	1.61E-03	1.75E-03	
AP	ONS-3	476342007	4/10/2019	BETA	2.55E-02	1.51E-03	1.58E-03	
AP	ONS-4	476342008	4/10/2019	BETA	3.09E-02	1.71E-03	1.62E-03	
AP	ONS-5	476342009	4/10/2019	BETA	2.61E-02	1.65E-03	1.77E-03	
AP	ONS-6	476342010	4/10/2019	BETA	3.02E-02	1.68E-03	1.74E-03	
AP	NBF	476958001	4/17/2019	BETA	1.54E-02	1.27E-03	1.79E-03	
AP	SBN	476958002	4/17/2019	BETA	1.84E-02	1.30E-03	1.56E-03	
AP	DOW	476958003	4/17/2019	BETA	1.79E-02	1.37E-03	1.68E-03	
AP	COL	476958004	4/17/2019	BETA	1.87E-02	1.38E-03	1.68E-03	
AP	ONS-1	476958005	4/17/2019	BETA	1.68E-02	1.29E-03	1.71E-03	
AP	ONS-2	476958006	4/17/2019	BETA	1.62E-02	1.28E-03	1.67E-03	
AP	ONS-3	476958007	4/17/2019	BETA	1.73E-02	1.30E-03	1.57E-03	
AP	ONS-4	476958008	4/17/2019	BETA	2.14E-02	1.49E-03	1.75E-03	
AP	ONS-5	476958009	4/17/2019	BETA	1.60E-02	1.25E-03	1.68E-03	
AP	ONS-6	476958010	4/17/2019	BETA	1.66E-02	1.26E-03	1.58E-03	
AP	NBF	477553001	4/24/2019	BETA	2.25E-02	1.42E-03	1.54E-03	
AP	SBN	477553002	4/24/2019	BETA	2.01E-02	1.41E-03	1.76E-03	
AP	DOW	477553003	4/24/2019	BETA	2.07E-02	1.53E-03	1.89E-03	
AP	COL	477553004	4/24/2019	BETA	2.13E-02	1.41E-03	1.71E-03	
AP	ONS-1	477553005	4/24/2019	BETA	2.18E-02	1.41E-03	1.57E-03	
AP	ONS-2	477553006	4/24/2019	BETA	1.98E-02	1.45E-03	1.87E-03	
AP	ONS-3	477553007	4/24/2019	BETA	2.18E-02	1.51E-03	1.77E-03	
AP	ONS-4	477553008	4/24/2019	BETA	2.23E-02	1.47E-03	1.77E-03	
AP	ONS-5	477553009	4/24/2019	BETA	1.77E-02	1.27E-03	1.55E-03	
AP	ONS-6	477553010	4/24/2019	BETA	1.83E-02	1.36E-03	1.76E-03	
AP	NBF	478260001	5/1/2019	BETA	2.27E-02	1.48E-03	1.70E-03	
AP	SBN	478260002	5/1/2019	BETA	2.17E-02	1.46E-03	1.66E-03	
AP	DOW	478260003	5/1/2019	BETA	2.41E-02	1.55E-03	1.70E-03	
AP	COL	478260004	5/1/2019	BETA	2.41E-02	1.54E-03	1.78E-03	
AP	ONS-1	478260005	5/1/2019	BETA	2.35E-02	1.50E-03	1.68E-03	
AP	ONS-2	478260006	5/1/2019	BETA	2.22E-02	1.51E-03	1.74E-03	
AP	ONS-3	478260007	5/1/2019	BETA	2.15E-02	1.44E-03	1.63E-03	
AP	ONS-4	478260008	5/1/2019	BETA	2.32E-02	1.54E-03	1.82E-03	
AP	ONS-5	478260009	5/1/2019	BETA	2.44E-02	1.53E-03	1.70E-03	
AP	ONS-6	478260010	5/1/2019	BETA	2.45E-02	1.55E-03	1.68E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	NBF	478962001	5/8/2019	BETA	1.89E-02	1.40E-03	1.75E-03	
AP	SBN	478962002	5/8/2019	BETA	1.98E-02	1.38E-03	1.63E-03	
AP	DOW	478962003	5/8/2019	BETA	1.96E-02	1.44E-03	1.75E-03	
AP	COL	478962004	5/8/2019	BETA	1.59E-02	1.26E-03	1.72E-03	
AP	ONS-1	478962005	5/8/2019	BETA	1.83E-02	1.36E-03	1.72E-03	
AP	ONS-2	478962006	5/8/2019	BETA	1.81E-02	1.40E-03	1.77E-03	
AP	ONS-3	478962007	5/8/2019	BETA	1.79E-02	1.30E-03	1.56E-03	
AP	ONS-4	478962008	5/8/2019	BETA	1.69E-02	1.30E-03	1.72E-03	
AP	ONS-5	478962009	5/8/2019	BETA	1.69E-02	1.31E-03	1.71E-03	
AP	ONS-6	478962010	5/8/2019	BETA	1.72E-02	1.33E-03	1.69E-03	
AP	NBF	479388001	5/15/2019	BETA	1.89E-02	1.39E-03	1.74E-03	
AP	SBN	479388002	5/15/2019	BETA	2.19E-02	1.51E-03	1.77E-03	
AP	DOW	479388003	5/15/2019	BETA	1.73E-02	1.35E-03	1.71E-03	
AP	COL	479388004	5/15/2019	BETA	1.98E-02	1.46E-03	1.88E-03	
AP	ONS-1	479388005	5/15/2019	BETA	2.09E-02	1.44E-03	1.72E-03	
AP	ONS-2	479388006	5/15/2019	BETA	1.99E-02	1.45E-03	1.76E-03	
AP	ONS-3	479388007	5/15/2019	BETA	2.16E-02	1.43E-03	1.61E-03	
AP	ONS-4	479388008	5/15/2019	BETA	2.12E-02	1.49E-03	1.85E-03	
AP	ONS-5	479388009	5/15/2019	BETA	1.78E-02	1.34E-03	1.70E-03	
AP	ONS-6	479388010	5/15/2019	BETA	2.10E-02	1.44E-03	1.67E-03	
AP	NBF	480211001	5/22/2019	BETA	2.18E-02	1.48E-03	1.68E-03	
AP	SBN	480211002	5/22/2019	BETA	2.16E-02	1.52E-03	1.86E-03	
AP	DOW	480211003	5/22/2019	BETA	2.24E-02	1.52E-03	1.70E-03	
AP	COL	480211004	5/22/2019	BETA	2.18E-02	1.49E-03	1.69E-03	
AP	ONS-1	480211005	5/22/2019	BETA	2.21E-02	1.48E-03	1.67E-03	
AP	ONS-2	480211006	5/22/2019	BETA	1.84E-02	1.42E-03	1.85E-03	
AP	ONS-3	480211007	5/22/2019	BETA	2.24E-02	1.47E-03	1.60E-03	
AP	ONS-4	480211008	5/22/2019	BETA	2.10E-02	1.41E-03	1.57E-03	
AP	ONS-5	480211009	5/22/2019	BETA	2.11E-02	1.44E-03	1.66E-03	
AP	ONS-6	480211010	5/22/2019	BETA	1.78E-02	1.38E-03	1.82E-03	
AP	NBF	480617001	5/29/2019	BETA	1.89E-02	1.44E-03	1.86E-03	
AP	SBN	480617002	5/29/2019	BETA	2.12E-02	1.45E-03	1.64E-03	
AP	DOW	480617003	5/29/2019	BETA	2.01E-02	1.47E-03	1.77E-03	
AP	COL	480617004	5/29/2019	BETA	1.81E-02	1.33E-03	1.62E-03	
AP	ONS-1	480617005	5/29/2019	BETA	1.76E-02	1.37E-03	1.82E-03	
AP	ONS-2	480617006	5/29/2019	BETA	1.95E-02	1.45E-03	1.74E-03	
AP	ONS-3	480617007	5/29/2019	BETA	1.65E-02	1.29E-03	1.63E-03	
AP	ONS-4	480617008	5/29/2019	BETA	1.92E-02	1.37E-03	1.62E-03	
AP	ONS-5	480617009	5/29/2019	BETA	2.02E-02	1.43E-03	1.77E-03	
AP	ONS-6	480617010	5/29/2019	BETA	2.25E-02	1.48E-03	1.61E-03	
AP	NBF	481223001	6/5/2019	BETA	2.26E-02	1.52E-03	1.68E-03	
AP	SBN	481223002	6/5/2019	BETA	2.03E-02	1.45E-03	1.78E-03	
AP	DOW	481223003	6/5/2019	BETA	1.95E-02	1.44E-03	1.75E-03	
AP	COL	481223004	6/5/2019	BETA	1.96E-02	1.41E-03	1.71E-03	
AP	ONS-1	481223005	6/5/2019	BETA	1.70E-02	1.32E-03	1.64E-03	
AP	ONS-2	481223006	6/5/2019	BETA	1.92E-02	1.48E-03	1.90E-03	
AP	ONS-3	481223007	6/5/2019	BETA	1.84E-02	1.35E-03	1.63E-03	
AP	ONS-4	481223008	6/5/2019	BETA	2.04E-02	1.45E-03	1.76E-03	
AP	ONS-5	481223009	6/5/2019	BETA	1.83E-02	1.34E-03	1.59E-03	
AP	ONS-6	481223010	6/5/2019	BETA	1.95E-02	1.42E-03	1.75E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	482087001	6/12/2019	BETA	2.13E-02	1.47E-03	1.73E-03	
AP	SBN	482087002	6/12/2019	BETA	2.45E-02	1.58E-03	1.79E-03	
AP	DOW	482087003	6/12/2019	BETA	2.13E-02	1.46E-03	1.66E-03	
AP	COL	482087004	6/12/2019	BETA	2.46E-02	1.54E-03	1.59E-03	
AP	ONS-1	482087005	6/12/2019	BETA	2.32E-02	1.52E-03	1.71E-03	
AP	ONS-2	482087006	6/12/2019	BETA	2.10E-02	1.48E-03	1.81E-03	
AP	ONS-3	482087007	6/12/2019	BETA	1.99E-02	1.41E-03	1.64E-03	
AP	ONS-4	482087008	6/12/2019	BETA	2.40E-02	1.55E-03	1.64E-03	
AP	ONS-5	482087009	6/12/2019	BETA	2.50E-02	1.55E-03	1.65E-03	
AP	ONS-6	482087010	6/12/2019	BETA	2.11E-02	1.47E-03	1.79E-03	
AP	NBF	482655001	6/19/2019	BETA	2.41E-02	1.55E-03	1.64E-03	
AP	SBN	482655002	6/19/2019	BETA	2.69E-02	1.59E-03	1.63E-03	
AP	DOW	482655003	6/19/2019	BETA	2.12E-02	1.52E-03	1.88E-03	
AP	COL	482655004	6/19/2019	BETA	2.16E-02	1.41E-03	1.55E-03	
AP	ONS-1	482655005	6/19/2019	BETA	2.56E-02	1.56E-03	1.58E-03	
AP	ONS-2	482655006	6/19/2019	BETA	2.64E-02	1.64E-03	1.76E-03	
AP	ONS-3	482655007	6/19/2019	BETA	2.24E-02	1.50E-03	1.76E-03	
AP	ONS-4	482655008	6/19/2019	BETA	2.37E-02	1.52E-03	1.64E-03	
AP	ONS-5	482655009	6/19/2019	BETA	2.39E-02	1.51E-03	1.57E-03	
AP	ONS-6	482655010	6/19/2019	BETA	2.42E-02	1.51E-03	1.63E-03	
AP	NBF	483301001	6/26/2019	BETA	2.03E-02	1.44E-03	1.71E-03	
AP	SBN	483301002	6/26/2019	BETA	2.31E-02	1.51E-03	1.72E-03	
AP	DOW	483301003	6/26/2019	BETA	1.99E-02	1.45E-03	1.78E-03	
AP	COL	483301004	6/26/2019	BETA	1.64E-02	1.33E-03	1.80E-03	
AP	ONS-1	483301005	6/26/2019	BETA	2.03E-02	1.42E-03	1.66E-03	
AP	ONS-2	483301006	6/26/2019	BETA	2.02E-02	1.47E-03	1.82E-03	
AP	ONS-3	483301007	6/26/2019	BETA	2.26E-02	1.49E-03	1.70E-03	
AP	ONS-4	483301008	6/26/2019	BETA	2.22E-02	1.51E-03	1.81E-03	
AP	ONS-5	483301009	6/26/2019	BETA	2.23E-02	1.47E-03	1.65E-03	
AP	ONS-6	483301010	6/26/2019	BETA	2.08E-02	1.43E-03	1.70E-03	
AP	NBF	486654001	6/26/2019	Ac-228	4.59E-04	6.56E-04	1.50E-03	U
AP	NBF	486654001	6/26/2019	Ag-108m	1.42E-04	6.34E-05	2.16E-04	U
AP	NBF	486654001	6/26/2019	Ag-110m	1.85E-06	1.50E-04	4.57E-04	U
AP	NBF	486654001	6/26/2019	Ba-140	1.68E-02	3.36E-02	1.15E-01	U
AP	NBF	486654001	6/26/2019	Be-7	1.41E-01	9.83E-03	4.68E-03	
AP	NBF	486654001	6/26/2019	Ce-141	1.25E-03	8.31E-04	1.52E-03	U
AP	NBF	486654001	6/26/2019	Ce-144	3.68E-04	3.97E-04	1.31E-03	U
AP	NBF	486654001	6/26/2019	Co-57	-2.49E-06	4.68E-05	1.50E-04	U
AP	NBF	486654001	6/26/2019	Co-58	3.34E-05	1.54E-04	5.08E-04	U
AP	NBF	486654001	6/26/2019	Co-60	5.98E-05	6.59E-05	2.51E-04	U
AP	NBF	486654001	6/26/2019	Cr-51	-7.70E-05	5.03E-03	1.71E-02	U
AP	NBF	486654001	6/26/2019	Cs-134	-2.27E-05	8.96E-05	2.79E-04	U
AP	NBF	486654001	6/26/2019	Cs-137	-6.28E-05	9.79E-05	2.99E-04	U
AP	NBF	486654001	6/26/2019	Fe-59	-8.11E-04	6.18E-04	1.64E-03	U
AP	NBF	486654001	6/26/2019	I-131	7.26E-02	1.51E-01	0.00E+00	UI
AP	NBF	486654001	6/26/2019	K-40	6.63E-04	1.65E-03	2.14E-03	U
AP	NBF	486654001	6/26/2019	La-140	-4.22E-03	1.36E-02	4.25E-02	U
AP	NBF	486654001	6/26/2019	Mn-54	1.55E-04	1.14E-04	3.94E-04	U
AP	NBF	486654001	6/26/2019	Nb-95	-1.59E-04	2.30E-04	6.71E-04	U
AP	NBF	486654001	6/26/2019	Ru-103	6.49E-06	2.57E-04	7.66E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	486654001	6/26/2019	Ru-106	1.41E-03	9.39E-04	3.23E-03	U
AP	NBF	486654001	6/26/2019	Sb-124	3.82E-04	5.94E-04	2.11E-03	U
AP	NBF	486654001	6/26/2019	Sb-125	4.11E-05	1.88E-04	6.37E-04	U
AP	NBF	486654001	6/26/2019	Se-75	2.17E-04	1.50E-04	5.17E-04	U
AP	NBF	486654001	6/26/2019	Th-228	1.45E-05	2.01E-04	7.74E-04	U
AP	NBF	486654001	6/26/2019	Zn-65	-2.70E-04	2.91E-04	7.83E-04	U
AP	NBF	486654001	6/26/2019	Zr-95	2.02E-04	3.54E-04	1.20E-03	U
AP	SBN	486654002	6/26/2019	Ac-228	-1.56E-04	4.61E-04	1.41E-03	U
AP	SBN	486654002	6/26/2019	Ag-108m	-7.49E-05	6.98E-05	2.00E-04	U
AP	SBN	486654002	6/26/2019	Ag-110m	5.40E-05	1.62E-04	5.52E-04	U
AP	SBN	486654002	6/26/2019	Ba-140	1.68E-02	3.84E-02	1.27E-01	U
AP	SBN	486654002	6/26/2019	Be-7	1.46E-01	1.02E-02	7.33E-03	
AP	SBN	486654002	6/26/2019	Ce-141	-1.33E-03	8.04E-04	2.02E-03	U
AP	SBN	486654002	6/26/2019	Ce-144	2.40E-04	4.36E-04	1.41E-03	U
AP	SBN	486654002	6/26/2019	Co-57	5.84E-05	6.64E-05	2.16E-04	U
AP	SBN	486654002	6/26/2019	Co-58	3.19E-04	2.21E-04	7.87E-04	U
AP	SBN	486654002	6/26/2019	Co-60	3.84E-06	1.09E-04	3.51E-04	U
AP	SBN	486654002	6/26/2019	Cr-51	1.06E-02	6.25E-03	1.96E-02	U
AP	SBN	486654002	6/26/2019	Cs-134	-4.71E-05	9.33E-05	2.93E-04	U
AP	SBN	486654002	6/26/2019	Cs-137	1.02E-05	7.65E-05	2.63E-04	U
AP	SBN	486654002	6/26/2019	Fe-59	-6.77E-04	7.04E-04	1.94E-03	U
AP	SBN	486654002	6/26/2019	I-131	-2.56E-01	1.86E-01	0.00E+00	U
AP	SBN	486654002	6/26/2019	K-40	4.14E-03	2.11E-03	4.02E-03	UI
AP	SBN	486654002	6/26/2019	La-140	-1.52E-02	1.42E-02	3.73E-02	U
AP	SBN	486654002	6/26/2019	Mn-54	4.75E-05	9.72E-05	3.38E-04	U
AP	SBN	486654002	6/26/2019	Nb-95	2.94E-04	2.47E-04	8.74E-04	U
AP	SBN	486654002	6/26/2019	Ru-103	6.90E-06	3.67E-04	1.19E-03	U
AP	SBN	486654002	6/26/2019	Ru-106	-7.67E-04	9.87E-04	2.85E-03	U
AP	SBN	486654002	6/26/2019	Sb-124	1.56E-04	5.79E-04	2.00E-03	U
AP	SBN	486654002	6/26/2019	Sb-125	1.05E-04	2.43E-04	7.35E-04	U
AP	SBN	486654002	6/26/2019	Se-75	3.57E-05	1.68E-04	5.71E-04	U
AP	SBN	486654002	6/26/2019	Th-228	5.45E-05	2.19E-04	4.83E-04	U
AP	SBN	486654002	6/26/2019	Zn-65	-6.68E-05	2.55E-04	8.03E-04	U
AP	SBN	486654002	6/26/2019	Zr-95	1.14E-03	3.98E-04	1.32E-03	U
AP	DOW	486654003	6/26/2019	Ac-228	-7.59E-05	4.23E-04	1.40E-03	U
AP	DOW	486654003	6/26/2019	Ag-108m	-1.22E-04	7.21E-05	1.81E-04	U
AP	DOW	486654003	6/26/2019	Ag-110m	-7.86E-06	1.78E-04	5.49E-04	U
AP	DOW	486654003	6/26/2019	Ba-140	1.82E-02	4.28E-02	1.27E-01	U
AP	DOW	486654003	6/26/2019	Be-7	1.46E-01	1.09E-02	5.86E-03	
AP	DOW	486654003	6/26/2019	Ce-141	-8.32E-04	6.07E-04	1.81E-03	U
AP	DOW	486654003	6/26/2019	Ce-144	1.09E-04	4.33E-04	1.48E-03	U
AP	DOW	486654003	6/26/2019	Co-57	-2.23E-05	5.80E-05	1.92E-04	U
AP	DOW	486654003	6/26/2019	Co-58	-5.97E-06	1.65E-04	5.57E-04	U
AP	DOW	486654003	6/26/2019	Co-60	-7.47E-05	7.51E-05	1.89E-04	U
AP	DOW	486654003	6/26/2019	Cr-51	2.94E-03	5.54E-03	1.86E-02	U
AP	DOW	486654003	6/26/2019	Cs-134	1.24E-04	1.06E-04	3.80E-04	U
AP	DOW	486654003	6/26/2019	Cs-137	-6.48E-05	9.23E-05	2.68E-04	U
AP	DOW	486654003	6/26/2019	Fe-59	5.97E-04	6.55E-04	2.35E-03	U
AP	DOW	486654003	6/26/2019	I-131	2.42E-01	1.64E-01	0.00E+00	UI
AP	DOW	486654003	6/26/2019	K-40	4.00E-03	1.48E-03	2.81E-03	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	DOW	486654003	6/26/2019	La-140	-9.34E-03	1.23E-02	3.36E-02	U
AP	DOW	486654003	6/26/2019	Mn-54	-6.12E-06	9.38E-05	3.14E-04	U
AP	DOW	486654003	6/26/2019	Nb-95	1.51E-04	2.86E-04	9.44E-04	U
AP	DOW	486654003	6/26/2019	Ru-103	-3.20E-04	4.09E-04	1.04E-03	U
AP	DOW	486654003	6/26/2019	Ru-106	1.05E-03	9.66E-04	3.26E-03	U
AP	DOW	486654003	6/26/2019	Sb-124	-2.19E-04	5.18E-04	1.53E-03	U
AP	DOW	486654003	6/26/2019	Sb-125	-3.28E-05	2.12E-04	6.78E-04	U
AP	DOW	486654003	6/26/2019	Se-75	4.76E-05	1.59E-04	5.30E-04	U
AP	DOW	486654003	6/26/2019	Th-228	-1.35E-04	1.54E-04	4.57E-04	U
AP	DOW	486654003	6/26/2019	Zn-65	-1.87E-04	2.56E-04	6.36E-04	U
AP	DOW	486654003	6/26/2019	Zr-95	1.37E-03	6.39E-04	1.16E-03	UI
AP	COL	486654004	6/26/2019	Ac-228	4.45E-05	4.25E-04	1.09E-03	U
AP	COL	486654004	6/26/2019	Ag-108m	2.37E-04	1.28E-04	2.08E-04	UI
AP	COL	486654004	6/26/2019	Ag-110m	1.65E-05	1.40E-04	4.74E-04	U
AP	COL	486654004	6/26/2019	Ba-140	3.33E-02	3.01E-02	1.03E-01	U
AP	COL	486654004	6/26/2019	Be-7	1.18E-01	8.34E-03	4.76E-03	
AP	COL	486654004	6/26/2019	Ce-141	-1.63E-03	7.06E-04	1.51E-03	U
AP	COL	486654004	6/26/2019	Ce-144	-1.01E-04	4.02E-04	1.27E-03	U
AP	COL	486654004	6/26/2019	Co-57	-9.99E-05	5.19E-05	1.31E-04	U
AP	COL	486654004	6/26/2019	Co-58	-6.62E-05	1.48E-04	4.78E-04	U
AP	COL	486654004	6/26/2019	Co-60	4.48E-05	7.27E-05	2.56E-04	U
AP	COL	486654004	6/26/2019	Cr-51	3.74E-03	4.67E-03	1.61E-02	U
AP	COL	486654004	6/26/2019	Cs-134	-8.55E-05	8.50E-05	2.00E-04	U
AP	COL	486654004	6/26/2019	Cs-137	-1.70E-05	6.61E-05	2.05E-04	U
AP	COL	486654004	6/26/2019	Fe-59	-6.25E-05	4.21E-04	1.36E-03	U
AP	COL	486654004	6/26/2019	I-131	1.84E-03	1.40E-01	0.00E+00	UI
AP	COL	486654004	6/26/2019	K-40	-1.52E-03	1.25E-03	4.00E-03	U
AP	COL	486654004	6/26/2019	La-140	2.15E-03	9.45E-03	3.15E-02	U
AP	COL	486654004	6/26/2019	Mn-54	-1.13E-04	9.46E-05	2.75E-04	U
AP	COL	486654004	6/26/2019	Nb-95	2.82E-04	1.63E-04	5.87E-04	U
AP	COL	486654004	6/26/2019	Ru-103	-6.89E-06	2.96E-04	9.66E-04	U
AP	COL	486654004	6/26/2019	Ru-106	1.04E-04	7.30E-04	2.13E-03	U
AP	COL	486654004	6/26/2019	Sb-124	-6.70E-04	4.54E-04	1.00E-03	U
AP	COL	486654004	6/26/2019	Sb-125	3.62E-04	2.11E-04	6.66E-04	U
AP	COL	486654004	6/26/2019	Se-75	1.98E-05	1.15E-04	3.96E-04	U
AP	COL	486654004	6/26/2019	Th-228	-2.05E-04	1.37E-04	3.94E-04	U
AP	COL	486654004	6/26/2019	Zn-65	-1.96E-04	1.95E-04	5.43E-04	U
AP	COL	486654004	6/26/2019	Zr-95	4.44E-05	2.88E-04	9.93E-04	U
AP	ONS-1	486654005	6/26/2019	Ac-228	3.92E-04	7.89E-04	1.50E-03	U
AP	ONS-1	486654005	6/26/2019	Ag-108m	-5.04E-05	7.97E-05	2.36E-04	U
AP	ONS-1	486654005	6/26/2019	Ag-110m	3.88E-06	1.63E-04	5.48E-04	U
AP	ONS-1	486654005	6/26/2019	Ba-140	1.25E-01	6.07E-02	1.42E-01	U
AP	ONS-1	486654005	6/26/2019	Be-7	1.37E-01	9.36E-03	6.31E-03	
AP	ONS-1	486654005	6/26/2019	Ce-141	-3.73E-04	4.89E-04	1.60E-03	U
AP	ONS-1	486654005	6/26/2019	Ce-144	-1.18E-04	4.82E-04	1.48E-03	U
AP	ONS-1	486654005	6/26/2019	Co-57	1.12E-04	7.64E-05	1.85E-04	U
AP	ONS-1	486654005	6/26/2019	Co-58	-1.98E-04	2.04E-04	6.15E-04	U
AP	ONS-1	486654005	6/26/2019	Co-60	1.23E-04	1.04E-04	3.72E-04	U
AP	ONS-1	486654005	6/26/2019	Cr-51	2.82E-03	5.38E-03	1.82E-02	U
AP	ONS-1	486654005	6/26/2019	Cs-134	2.54E-05	1.05E-04	3.61E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	ONS-1	486654005	6/26/2019	Cs-137	9.30E-05	8.81E-05	2.96E-04	U
AP	ONS-1	486654005	6/26/2019	Fe-59	-3.35E-04	4.97E-04	1.46E-03	U
AP	ONS-1	486654005	6/26/2019	I-131	-2.96E-01	1.66E-01	0.00E+00	U
AP	ONS-1	486654005	6/26/2019	K-40	4.86E-04	1.46E-03	2.46E-03	U
AP	ONS-1	486654005	6/26/2019	La-140	-1.33E-03	1.44E-02	4.57E-02	U
AP	ONS-1	486654005	6/26/2019	Mn-54	1.34E-04	1.24E-04	4.32E-04	U
AP	ONS-1	486654005	6/26/2019	Nb-95	4.44E-05	1.99E-04	6.82E-04	U
AP	ONS-1	486654005	6/26/2019	Ru-103	-2.57E-04	3.27E-04	9.75E-04	U
AP	ONS-1	486654005	6/26/2019	Ru-106	-1.17E-03	8.96E-04	2.38E-03	U
AP	ONS-1	486654005	6/26/2019	Sb-124	5.87E-04	5.00E-04	1.90E-03	U
AP	ONS-1	486654005	6/26/2019	Sb-125	-5.04E-04	2.69E-04	6.88E-04	U
AP	ONS-1	486654005	6/26/2019	Se-75	-2.73E-04	1.59E-04	4.43E-04	U
AP	ONS-1	486654005	6/26/2019	Th-228	3.38E-04	2.67E-04	3.98E-04	U
AP	ONS-1	486654005	6/26/2019	Zn-65	-9.72E-05	1.96E-04	5.99E-04	U
AP	ONS-1	486654005	6/26/2019	Zr-95	5.34E-04	3.74E-04	1.33E-03	U
AP	ONS-2	486654006	6/26/2019	Ac-228	-3.68E-04	3.24E-04	8.41E-04	U
AP	ONS-2	486654006	6/26/2019	Ag-108m	5.12E-05	6.61E-05	2.29E-04	U
AP	ONS-2	486654006	6/26/2019	Ag-110m	-6.26E-05	1.23E-04	3.83E-04	U
AP	ONS-2	486654006	6/26/2019	Ba-140	-1.57E-02	3.67E-02	1.15E-01	U
AP	ONS-2	486654006	6/26/2019	Be-7	1.32E-01	9.02E-03	6.27E-03	U
AP	ONS-2	486654006	6/26/2019	Ce-141	-1.26E-03	5.57E-04	1.29E-03	U
AP	ONS-2	486654006	6/26/2019	Ce-144	2.29E-04	3.53E-04	1.20E-03	U
AP	ONS-2	486654006	6/26/2019	Co-57	2.07E-05	4.89E-05	1.55E-04	U
AP	ONS-2	486654006	6/26/2019	Co-58	-2.53E-04	1.87E-04	5.04E-04	U
AP	ONS-2	486654006	6/26/2019	Co-60	-1.83E-04	1.31E-04	3.23E-04	U
AP	ONS-2	486654006	6/26/2019	Cr-51	6.67E-04	5.37E-03	1.85E-02	U
AP	ONS-2	486654006	6/26/2019	Cs-134	1.54E-04	1.02E-04	3.70E-04	U
AP	ONS-2	486654006	6/26/2019	Cs-137	7.44E-05	9.61E-05	3.25E-04	U
AP	ONS-2	486654006	6/26/2019	Fe-59	3.37E-04	6.33E-04	2.21E-03	U
AP	ONS-2	486654006	6/26/2019	I-131	-6.40E-02	1.70E-01	0.00E+00	U
AP	ONS-2	486654006	6/26/2019	K-40	1.12E-04	1.33E-03	4.82E-03	U
AP	ONS-2	486654006	6/26/2019	La-140	-7.37E-03	1.38E-02	4.19E-02	U
AP	ONS-2	486654006	6/26/2019	Mn-54	3.27E-04	1.17E-04	3.92E-04	U
AP	ONS-2	486654006	6/26/2019	Nb-95	4.16E-04	2.99E-04	6.54E-04	U
AP	ONS-2	486654006	6/26/2019	Ru-103	-2.85E-04	3.34E-04	8.54E-04	U
AP	ONS-2	486654006	6/26/2019	Ru-106	1.95E-03	9.30E-04	3.19E-03	U
AP	ONS-2	486654006	6/26/2019	Sb-124	2.27E-05	4.85E-04	1.63E-03	U
AP	ONS-2	486654006	6/26/2019	Sb-125	1.85E-05	2.26E-04	7.60E-04	U
AP	ONS-2	486654006	6/26/2019	Se-75	3.75E-04	1.57E-04	4.94E-04	U
AP	ONS-2	486654006	6/26/2019	Th-228	1.26E-04	1.87E-04	4.47E-04	U
AP	ONS-2	486654006	6/26/2019	Zn-65	-2.21E-04	2.68E-04	7.73E-04	U
AP	ONS-2	486654006	6/26/2019	Zr-95	-1.39E-04	3.24E-04	9.60E-04	U
AP	ONS-3	486654007	6/26/2019	Ac-228	-1.24E-03	5.08E-04	1.11E-03	U
AP	ONS-3	486654007	6/26/2019	Ag-108m	-4.09E-05	7.35E-05	2.30E-04	U
AP	ONS-3	486654007	6/26/2019	Ag-110m	1.06E-04	1.49E-04	5.11E-04	U
AP	ONS-3	486654007	6/26/2019	Ba-140	6.71E-03	3.53E-02	1.15E-01	U
AP	ONS-3	486654007	6/26/2019	Be-7	1.48E-01	9.81E-03	6.06E-03	U
AP	ONS-3	486654007	6/26/2019	Ce-141	-9.76E-04	7.11E-04	1.93E-03	U
AP	ONS-3	486654007	6/26/2019	Ce-144	3.54E-04	4.48E-04	1.48E-03	U
AP	ONS-3	486654007	6/26/2019	Co-57	-2.25E-05	5.72E-05	1.83E-04	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-3	486654007	6/26/2019	Co-58	-4.79E-04	2.33E-04	5.35E-04	U
AP	ONS-3	486654007	6/26/2019	Co-60	1.10E-04	1.05E-04	3.73E-04	U
AP	ONS-3	486654007	6/26/2019	Cr-51	2.53E-03	5.60E-03	1.89E-02	U
AP	ONS-3	486654007	6/26/2019	Cs-134	1.12E-04	1.04E-04	3.29E-04	U
AP	ONS-3	486654007	6/26/2019	Cs-137	2.40E-06	8.46E-05	2.84E-04	U
AP	ONS-3	486654007	6/26/2019	Fe-59	-1.37E-04	6.36E-04	1.99E-03	U
AP	ONS-3	486654007	6/26/2019	I-131	2.40E-02	1.64E-01	0.00E+00	UI
AP	ONS-3	486654007	6/26/2019	K-40	2.47E-03	1.14E-03	3.31E-03	U
AP	ONS-3	486654007	6/26/2019	La-140	-2.01E-03	1.39E-02	4.46E-02	U
AP	ONS-3	486654007	6/26/2019	Mn-54	-6.13E-05	9.60E-05	2.94E-04	U
AP	ONS-3	486654007	6/26/2019	Nb-95	8.43E-04	1.98E-04	6.51E-04	UI
AP	ONS-3	486654007	6/26/2019	Ru-103	8.41E-05	3.91E-04	1.12E-03	U
AP	ONS-3	486654007	6/26/2019	Ru-106	5.58E-04	8.27E-04	2.87E-03	U
AP	ONS-3	486654007	6/26/2019	Sb-124	-8.03E-04	5.25E-04	1.07E-03	U
AP	ONS-3	486654007	6/26/2019	Sb-125	-2.50E-04	2.42E-04	7.17E-04	U
AP	ONS-3	486654007	6/26/2019	Se-75	-3.60E-05	1.55E-04	5.14E-04	U
AP	ONS-3	486654007	6/26/2019	Th-228	-1.76E-04	1.40E-04	4.17E-04	U
AP	ONS-3	486654007	6/26/2019	Zn-65	-3.11E-04	2.20E-04	5.81E-04	U
AP	ONS-3	486654007	6/26/2019	Zr-95	8.06E-04	5.04E-04	1.24E-03	U
AP	ONS-4	486654008	6/26/2019	Ac-228	2.43E-04	3.94E-04	1.38E-03	U
AP	ONS-4	486654008	6/26/2019	Ag-108m	1.03E-05	5.75E-05	1.96E-04	U
AP	ONS-4	486654008	6/26/2019	Ag-110m	-2.02E-04	1.50E-04	3.77E-04	U
AP	ONS-4	486654008	6/26/2019	Ba-140	7.01E-02	7.01E-02	9.62E-02	U
AP	ONS-4	486654008	6/26/2019	Be-7	1.52E-01	1.05E-02	4.39E-03	
AP	ONS-4	486654008	6/26/2019	Ce-141	-6.05E-04	5.37E-04	1.56E-03	U
AP	ONS-4	486654008	6/26/2019	Ce-144	1.72E-04	3.61E-04	1.20E-03	U
AP	ONS-4	486654008	6/26/2019	Co-57	-6.11E-05	5.24E-05	1.53E-04	U
AP	ONS-4	486654008	6/26/2019	Co-58	1.18E-04	1.99E-04	6.11E-04	U
AP	ONS-4	486654008	6/26/2019	Co-60	2.41E-05	8.68E-05	3.01E-04	U
AP	ONS-4	486654008	6/26/2019	Cr-51	5.21E-03	4.63E-03	1.63E-02	U
AP	ONS-4	486654008	6/26/2019	Cs-134	-8.06E-05	7.40E-05	1.93E-04	U
AP	ONS-4	486654008	6/26/2019	Cs-137	-1.91E-05	8.13E-05	2.61E-04	U
AP	ONS-4	486654008	6/26/2019	Fe-59	1.98E-04	6.11E-04	2.13E-03	U
AP	ONS-4	486654008	6/26/2019	I-131	1.01E-01	1.18E-01	0.00E+00	UI
AP	ONS-4	486654008	6/26/2019	K-40	6.37E-04	1.73E-03	2.49E-03	U
AP	ONS-4	486654008	6/26/2019	La-140	6.69E-03	1.44E-02	4.99E-02	U
AP	ONS-4	486654008	6/26/2019	Mn-54	4.80E-05	8.86E-05	3.00E-04	U
AP	ONS-4	486654008	6/26/2019	Nb-95	-1.65E-04	2.72E-04	7.00E-04	U
AP	ONS-4	486654008	6/26/2019	Ru-103	-4.54E-04	2.91E-04	7.65E-04	U
AP	ONS-4	486654008	6/26/2019	Ru-106	-9.85E-04	8.38E-04	2.37E-03	U
AP	ONS-4	486654008	6/26/2019	Sb-124	1.27E-05	4.97E-04	1.64E-03	U
AP	ONS-4	486654008	6/26/2019	Sb-125	-8.28E-05	1.62E-04	5.19E-04	U
AP	ONS-4	486654008	6/26/2019	Se-75	-7.15E-05	1.39E-04	4.14E-04	U
AP	ONS-4	486654008	6/26/2019	Th-228	9.78E-05	1.70E-04	4.67E-04	U
AP	ONS-4	486654008	6/26/2019	Zn-65	-3.56E-04	3.01E-04	7.17E-04	U
AP	ONS-4	486654008	6/26/2019	Zr-95	-6.85E-05	3.00E-04	9.45E-04	U
AP	ONS-5	486654009	6/26/2019	Ac-228	-4.77E-04	4.42E-04	1.20E-03	U
AP	ONS-5	486654009	6/26/2019	Ag-108m	5.10E-06	6.99E-05	2.31E-04	U
AP	ONS-5	486654009	6/26/2019	Ag-110m	-1.84E-04	1.60E-04	4.47E-04	U
AP	ONS-5	486654009	6/26/2019	Ba-140	7.43E-03	2.71E-02	9.01E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	ONS-5	486654009	6/26/2019	Be-7	1.44E-01	9.99E-03	4.49E-03	
AP	ONS-5	486654009	6/26/2019	Ce-141	3.00E-04	4.62E-04	1.40E-03	U
AP	ONS-5	486654009	6/26/2019	Ce-144	4.73E-04	3.41E-04	1.12E-03	U
AP	ONS-5	486654009	6/26/2019	Co-57	-1.11E-04	5.51E-05	1.34E-04	U
AP	ONS-5	486654009	6/26/2019	Co-58	2.34E-05	1.75E-04	5.96E-04	U
AP	ONS-5	486654009	6/26/2019	Co-60	-8.72E-05	1.15E-04	3.23E-04	U
AP	ONS-5	486654009	6/26/2019	Cr-51	-6.95E-03	4.39E-03	1.19E-02	U
AP	ONS-5	486654009	6/26/2019	Cs-134	2.44E-04	1.02E-04	3.57E-04	U
AP	ONS-5	486654009	6/26/2019	Cs-137	4.62E-05	8.16E-05	2.73E-04	U
AP	ONS-5	486654009	6/26/2019	Fe-59	7.84E-04	5.79E-04	2.16E-03	U
AP	ONS-5	486654009	6/26/2019	I-131	1.96E-01	1.62E-01	0.00E+00	UI
AP	ONS-5	486654009	6/26/2019	K-40	6.55E-04	1.80E-03	2.45E-03	U
AP	ONS-5	486654009	6/26/2019	La-140	-1.59E-02	1.26E-02	2.97E-02	U
AP	ONS-5	486654009	6/26/2019	Mn-54	1.71E-04	1.16E-04	4.14E-04	U
AP	ONS-5	486654009	6/26/2019	Nb-95	3.15E-04	2.42E-04	8.60E-04	U
AP	ONS-5	486654009	6/26/2019	Ru-103	-5.77E-05	3.03E-04	9.66E-04	U
AP	ONS-5	486654009	6/26/2019	Ru-106	1.11E-04	9.52E-04	3.07E-03	U
AP	ONS-5	486654009	6/26/2019	Sb-124	-3.68E-04	4.86E-04	1.33E-03	U
AP	ONS-5	486654009	6/26/2019	Sb-125	-2.83E-04	2.33E-04	6.64E-04	U
AP	ONS-5	486654009	6/26/2019	Se-75	-4.29E-05	1.26E-04	4.18E-04	U
AP	ONS-5	486654009	6/26/2019	Th-228	1.18E-05	2.04E-04	4.44E-04	U
AP	ONS-5	486654009	6/26/2019	Zn-65	-1.12E-04	2.32E-04	7.06E-04	U
AP	ONS-5	486654009	6/26/2019	Zr-95	-5.63E-05	3.94E-04	1.31E-03	U
AP	ONS-6	486654010	6/26/2019	Ac-228	9.33E-05	4.47E-04	1.29E-03	U
AP	ONS-6	486654010	6/26/2019	Ag-108m	-5.11E-05	6.18E-05	1.75E-04	U
AP	ONS-6	486654010	6/26/2019	Ag-110m	5.42E-05	1.39E-04	4.71E-04	U
AP	ONS-6	486654010	6/26/2019	Ba-140	1.50E-02	2.90E-02	9.67E-02	U
AP	ONS-6	486654010	6/26/2019	Be-7	1.30E-01	8.83E-03	6.16E-03	U
AP	ONS-6	486654010	6/26/2019	Ce-141	-3.08E-04	4.53E-04	1.39E-03	U
AP	ONS-6	486654010	6/26/2019	Ce-144	2.16E-04	3.11E-04	1.05E-03	U
AP	ONS-6	486654010	6/26/2019	Co-57	-1.97E-05	4.41E-05	1.40E-04	U
AP	ONS-6	486654010	6/26/2019	Co-58	2.20E-04	1.98E-04	3.19E-04	U
AP	ONS-6	486654010	6/26/2019	Co-60	-5.35E-07	1.17E-04	3.38E-04	U
AP	ONS-6	486654010	6/26/2019	Cr-51	2.53E-03	4.58E-03	1.57E-02	U
AP	ONS-6	486654010	6/26/2019	Cs-134	5.74E-05	8.68E-05	2.76E-04	U
AP	ONS-6	486654010	6/26/2019	Cs-137	-6.02E-05	6.19E-05	1.82E-04	U
AP	ONS-6	486654010	6/26/2019	Fe-59	3.53E-04	5.04E-04	1.77E-03	U
AP	ONS-6	486654010	6/26/2019	I-131	1.05E-01	1.33E-01	0.00E+00	UI
AP	ONS-6	486654010	6/26/2019	K-40	1.84E-03	1.69E-03	5.71E-03	U
AP	ONS-6	486654010	6/26/2019	La-140	8.58E-03	1.17E-02	4.23E-02	U
AP	ONS-6	486654010	6/26/2019	Mn-54	-1.86E-05	7.84E-05	2.51E-04	U
AP	ONS-6	486654010	6/26/2019	Nb-95	5.54E-05	1.45E-04	5.03E-04	U
AP	ONS-6	486654010	6/26/2019	Ru-103	1.10E-04	5.80E-04	1.03E-03	U
AP	ONS-6	486654010	6/26/2019	Ru-106	-2.01E-04	7.05E-04	2.33E-03	U
AP	ONS-6	486654010	6/26/2019	Sb-124	-6.75E-05	6.32E-04	2.02E-03	U
AP	ONS-6	486654010	6/26/2019	Sb-125	-1.07E-04	1.67E-04	5.09E-04	U
AP	ONS-6	486654010	6/26/2019	Se-75	6.08E-05	1.09E-04	3.81E-04	U
AP	ONS-6	486654010	6/26/2019	Th-228	-1.60E-04	1.25E-04	3.75E-04	U
AP	ONS-6	486654010	6/26/2019	Zn-65	1.65E-04	2.36E-04	8.10E-04	U
AP	ONS-6	486654010	6/26/2019	Zr-95	1.37E-04	3.32E-04	1.14E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	483958001	7/3/2019	BETA	3.12E-02	1.75E-03	1.73E-03	
AP	SBN	483958002	7/3/2019	BETA	3.55E-02	1.83E-03	1.71E-03	
AP	DOW	483958003	7/3/2019	BETA	3.22E-02	1.81E-03	1.81E-03	
AP	COL	483958004	7/3/2019	BETA	3.61E-02	1.86E-03	1.77E-03	
AP	ONS-1	483958005	7/3/2019	BETA	3.39E-02	1.79E-03	1.67E-03	
AP	ONS-2	483958006	7/3/2019	BETA	3.70E-02	1.94E-03	1.83E-03	
AP	ONS-3	483958007	7/3/2019	BETA	3.32E-02	1.78E-03	1.72E-03	
AP	ONS-4	483958008	7/3/2019	BETA	3.33E-02	1.84E-03	1.86E-03	
AP	ONS-5	483958009	7/3/2019	BETA	3.46E-02	1.80E-03	1.67E-03	
AP	ONS-6	483958010	7/3/2019	BETA	3.20E-02	1.75E-03	1.72E-03	
AP	NBF	484601001	7/10/2019	BETA	2.72E-02	1.65E-03	1.71E-03	
AP	SBN	484601002	7/10/2019	BETA	2.99E-02	1.74E-03	1.97E-03	
AP	DOW	484601003	7/10/2019	BETA	2.65E-02	1.63E-03	1.74E-03	
AP	COL	484601004	7/10/2019	BETA	2.63E-02	1.65E-03	1.86E-03	
AP	ONS-1	484601005	7/10/2019	BETA	2.85E-02	1.64E-03	1.63E-03	
AP	ONS-2	484601006	7/10/2019	BETA	2.75E-02	1.70E-03	2.02E-03	
AP	ONS-3	484601007	7/10/2019	BETA	2.70E-02	1.60E-03	1.68E-03	
AP	ONS-4	484601008	7/10/2019	BETA	2.77E-02	1.66E-03	1.81E-03	
AP	ONS-5	484601009	7/10/2019	BETA	2.66E-02	1.57E-03	1.59E-03	
AP	ONS-6	484601010	7/10/2019	BETA	2.36E-02	1.52E-03	1.86E-03	
AP	NBF	485066001	7/17/2019	BETA	3.01E-02	1.75E-03	1.75E-03	
AP	SBN	485066002	7/17/2019	BETA	2.97E-02	1.69E-03	1.88E-03	
AP	DOW	485066003	7/17/2019	BETA	2.55E-02	1.63E-03	1.81E-03	
AP	COL	485066004	7/17/2019	BETA	2.53E-02	1.58E-03	1.77E-03	
AP	ONS-1	485066005	7/17/2019	BETA	2.95E-02	1.69E-03	1.67E-03	
AP	ONS-2	485066006	7/17/2019	BETA	2.98E-02	1.76E-03	2.02E-03	
AP	ONS-3	485066007	7/17/2019	BETA	2.90E-02	1.65E-03	1.68E-03	
AP	ONS-4	485066008	7/17/2019	BETA	3.16E-02	1.75E-03	1.78E-03	
AP	ONS-5	485066009	7/17/2019	BETA	2.65E-02	1.58E-03	1.61E-03	
AP	ONS-6	485066010	7/17/2019	BETA	3.24E-02	1.77E-03	1.92E-03	
AP	NBF	485859001	7/24/2019	BETA	2.39E-02	1.57E-03	1.82E-03	
AP	SBN	485859002	7/24/2019	BETA	2.07E-02	1.40E-03	1.53E-03	
AP	DOW	485859003	7/24/2019	BETA	2.30E-02	1.54E-03	1.74E-03	
AP	COL	485859004	7/24/2019	BETA	2.23E-02	1.49E-03	1.73E-03	
AP	ONS-1	485859005	7/24/2019	BETA	2.30E-02	1.52E-03	1.78E-03	
AP	ONS-2	485859006	7/24/2019	BETA	2.24E-02	1.50E-03	1.63E-03	
AP	ONS-3	485859007	7/24/2019	BETA	2.47E-02	1.54E-03	1.64E-03	
AP	ONS-4	485859008	7/24/2019	BETA	2.39E-02	1.52E-03	1.69E-03	
AP	ONS-5	485859009	7/24/2019	BETA	2.39E-02	1.54E-03	1.77E-03	
AP	ONS-6	485859010	7/24/2019	BETA	2.15E-02	1.43E-03	1.55E-03	
AP	NBF	486499001	7/31/2019	BETA	3.68E-02	1.92E-03	1.89E-03	
AP	SBN	486499002	7/31/2019	BETA	3.49E-02	1.81E-03	1.70E-03	
AP	DOW	486499003	7/31/2019	BETA	3.34E-02	1.85E-03	1.98E-03	
AP	COL	486499004	7/31/2019	BETA	3.39E-02	1.80E-03	1.75E-03	
AP	ONS-1	486499005	7/31/2019	BETA	3.47E-02	1.85E-03	1.86E-03	
AP	ONS-2	486499006	7/31/2019	BETA	3.81E-02	1.92E-03	1.76E-03	
AP	ONS-3	486499007	7/31/2019	BETA	3.19E-02	1.76E-03	1.89E-03	
AP	ONS-4	486499008	7/31/2019	BETA	3.44E-02	1.79E-03	1.71E-03	
AP	ONS-5	486499009	7/31/2019	BETA	3.33E-02	1.79E-03	1.81E-03	
AP	ONS-6	486499010	7/31/2019	BETA	3.22E-02	1.73E-03	1.68E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	487265001	8/7/2019	BETA	3.03E-02	1.76E-03	1.89E-03	
AP	SBN	487265002	8/7/2019	BETA	3.40E-02	1.82E-03	1.71E-03	
AP	DOW	487265003	8/7/2019	BETA	2.79E-02	1.69E-03	1.72E-03	
AP	COL	487265004	8/7/2019	BETA	3.10E-02	1.73E-03	1.75E-03	
AP	ONS-1	487265005	8/7/2019	BETA	3.34E-02	1.81E-03	1.84E-03	
AP	ONS-2	487265006	8/7/2019	BETA	3.21E-02	1.75E-03	1.68E-03	
AP	ONS-3	487265007	8/7/2019	BETA	3.41E-02	1.76E-03	1.56E-03	
AP	ONS-4	487265008	8/7/2019	BETA	3.09E-02	1.72E-03	1.74E-03	
AP	ONS-5	487265009	8/7/2019	BETA	2.91E-02	1.68E-03	1.79E-03	
AP	ONS-6	487265010	8/7/2019	BETA	2.88E-02	1.64E-03	1.64E-03	
AP	NBF	487952001	8/14/2019	BETA	4.42E-02	2.09E-03	1.76E-03	
AP	SBN	487952002	8/14/2019	BETA	3.69E-02	1.86E-03	1.62E-03	
AP	DOW	487952003	8/14/2019	BETA	3.76E-02	1.96E-03	1.87E-03	
AP	COL	487952004	8/14/2019	BETA	3.60E-02	1.83E-03	1.75E-03	
AP	ONS-1	487952005	8/14/2019	BETA	4.01E-02	1.98E-03	1.75E-03	
AP	ONS-2	487952006	8/14/2019	BETA	3.89E-02	1.90E-03	1.62E-03	
AP	ONS-3	487952007	8/14/2019	BETA	4.50E-02	2.04E-03	1.73E-03	
AP	ONS-4	487952008	8/14/2019	BETA	3.87E-02	1.89E-03	1.75E-03	
AP	ONS-5	487952009	8/14/2019	BETA	3.98E-02	1.94E-03	1.69E-03	
AP	ONS-6	487952010	8/14/2019	BETA	3.93E-02	1.89E-03	1.57E-03	
AP	NBF	488611001	8/21/2019	BETA	3.11E-02	1.79E-03	1.83E-03	
AP	SBN	488611002	8/21/2019	BETA	3.71E-02	1.87E-03	1.66E-03	
AP	DOW	488611003	8/21/2019	BETA	3.71E-02	1.95E-03	1.83E-03	
AP	COL	488611004	8/21/2019	BETA	3.47E-02	1.79E-03	1.57E-03	
AP	ONS-1	488611005	8/21/2019	BETA	3.38E-02	1.85E-03	1.81E-03	
AP	ONS-2	488611006	8/21/2019	BETA	3.47E-02	1.81E-03	1.65E-03	
AP	ONS-3	488611007	8/21/2019	BETA	3.42E-02	1.78E-03	1.65E-03	
AP	ONS-4	488611008	8/21/2019	BETA	3.18E-02	1.71E-03	1.57E-03	
AP	ONS-5	488611009	8/21/2019	BETA	3.08E-02	1.75E-03	1.76E-03	
AP	ONS-6	488611010	8/21/2019	BETA	3.71E-02	1.84E-03	1.61E-03	
AP	NBF	489048001	8/28/2019	BETA	2.42E-02	1.54E-03	1.67E-03	
AP	SBN	489048002	8/28/2019	BETA	2.57E-02	1.58E-03	1.61E-03	
AP	DOW	489048003	8/28/2019	BETA	2.46E-02	1.62E-03	1.85E-03	
AP	COL	489048004	8/28/2019	BETA	2.61E-02	1.54E-03	1.54E-03	
AP	ONS-1	489048005	8/28/2019	BETA	2.25E-02	1.51E-03	1.70E-03	
AP	ONS-2	489048006	8/28/2019	BETA	2.48E-02	1.52E-03	1.56E-03	
AP	ONS-3	489048007	8/28/2019	BETA	2.33E-02	1.52E-03	1.71E-03	
AP	ONS-4	489048008	8/28/2019	BETA	2.48E-02	1.53E-03	1.58E-03	
AP	ONS-5	489048009	8/28/2019	BETA	2.75E-02	1.62E-03	1.65E-03	
AP	ONS-6	489048010	8/28/2019	BETA	2.34E-02	1.48E-03	1.56E-03	
AP	NBF	489572001	9/4/2019	BETA	4.02E-02	1.97E-03	1.65E-03	
AP	SBN	489572002	9/4/2019	BETA	4.09E-02	1.99E-03	1.90E-03	
AP	DOW	489572003	9/4/2019	BETA	3.80E-02	1.94E-03	1.77E-03	
AP	COL	489572004	9/4/2019	BETA	3.88E-02	1.94E-03	1.73E-03	
AP	ONS-1	489572005	9/4/2019	BETA	3.83E-02	1.91E-03	1.61E-03	
AP	ONS-2	489572006	9/4/2019	BETA	3.61E-02	1.85E-03	1.86E-03	
AP	ONS-3	489572007	9/4/2019	BETA	3.84E-02	1.87E-03	1.64E-03	
AP	ONS-4	489572008	9/4/2019	BETA	3.84E-02	1.91E-03	1.69E-03	
AP	ONS-5	489572009	9/4/2019	BETA	3.86E-02	1.87E-03	1.55E-03	
AP	ONS-6	489572010	9/4/2019	BETA	3.57E-02	1.84E-03	1.86E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	NBF	490127001	9/11/2019	BETA	3.71E-02	1.93E-03	1.77E-03	
AP	SBN	490127002	9/11/2019	BETA	3.90E-02	1.90E-03	1.59E-03	
AP	DOW	490127003	9/11/2019	BETA	3.55E-02	1.91E-03	1.99E-03	
AP	COL	490127004	9/11/2019	BETA	3.47E-02	1.81E-03	1.68E-03	
AP	ONS-1	490127005	9/11/2019	BETA	3.76E-02	1.91E-03	1.74E-03	
AP	ONS-2	490127006	9/11/2019	BETA	3.15E-02	1.70E-03	1.54E-03	
AP	ONS-3	490127007	9/11/2019	BETA	3.84E-02	1.91E-03	1.87E-03	
AP	ONS-4	490127008	9/11/2019	BETA	3.68E-02	1.83E-03	1.64E-03	
AP	ONS-5	490127009	9/11/2019	BETA	3.54E-02	1.83E-03	1.68E-03	
AP	ONS-6	490127010	9/11/2019	BETA	3.50E-02	1.78E-03	1.54E-03	
AP	NBF	490834001	9/18/2019	BETA	5.13E-02	2.20E-03	1.61E-03	
AP	SBN	490834002	9/18/2019	BETA	4.32E-02	2.01E-03	1.79E-03	
AP	DOW	490834003	9/18/2019	BETA	4.47E-02	2.09E-03	1.81E-03	
AP	COL	490834004	9/18/2019	BETA	3.94E-02	1.96E-03	1.77E-03	
AP	ONS-1	490834005	9/18/2019	BETA	4.48E-02	2.07E-03	1.61E-03	
AP	ONS-2	490834006	9/18/2019	BETA	4.51E-02	2.04E-03	1.76E-03	
AP	ONS-3	490834007	9/18/2019	BETA	4.56E-02	2.02E-03	1.66E-03	
AP	ONS-4	490834008	9/18/2019	BETA	4.11E-02	1.92E-03	1.64E-03	
AP	ONS-5	490834009	9/18/2019	BETA	4.41E-02	1.99E-03	1.52E-03	
AP	ONS-6	490834010	9/18/2019	BETA	4.26E-02	1.98E-03	1.74E-03	
AP	NBF	491476001	9/25/2019	BETA	5.26E-02	2.23E-03	1.61E-03	
AP	SBN	491476002	9/25/2019	BETA	5.31E-02	2.23E-03	1.80E-03	
AP	DOW	491476003	9/25/2019	BETA	4.75E-02	2.16E-03	1.84E-03	
AP	COL	491476004	9/25/2019	BETA	4.75E-02	2.13E-03	1.76E-03	
AP	ONS-1	491476005	9/25/2019	BETA	5.18E-02	2.23E-03	1.63E-03	
AP	ONS-2	491476006	9/25/2019	BETA	5.21E-02	2.19E-03	1.78E-03	
AP	ONS-3	491476007	9/25/2019	BETA	5.15E-02	2.17E-03	1.72E-03	
AP	ONS-4	491476008	9/25/2019	BETA	4.85E-02	2.15E-03	1.76E-03	
AP	ONS-5	491476009	9/25/2019	BETA	5.55E-02	2.23E-03	1.53E-03	
AP	ONS-6	491476010	9/25/2019	BETA	5.51E-02	2.24E-03	1.76E-03	
AP	NBF	495099001	9/25/2019	Ac-228	-5.97E-05	3.66E-04	1.11E-03	U
AP	NBF	495099001	9/25/2019	Ag-108m	-1.31E-05	5.94E-05	1.90E-04	U
AP	NBF	495099001	9/25/2019	Ag-110m	1.84E-04	6.95E-05	4.73E-04	U
AP	NBF	495099001	9/25/2019	Ba-140	-6.69E-03	3.34E-02	9.13E-02	U
AP	NBF	495099001	9/25/2019	Be-7	1.54E-01	9.31E-03	5.91E-03	
AP	NBF	495099001	9/25/2019	Ce-141	-5.32E-05	5.88E-04	1.70E-03	U
AP	NBF	495099001	9/25/2019	Ce-144	3.60E-04	3.80E-04	1.25E-03	U
AP	NBF	495099001	9/25/2019	Co-57	9.01E-06	6.10E-05	1.83E-04	U
AP	NBF	495099001	9/25/2019	Co-58	1.82E-05	1.43E-04	4.76E-04	U
AP	NBF	495099001	9/25/2019	Co-60	2.14E-05	8.12E-05	2.77E-04	U
AP	NBF	495099001	9/25/2019	Cr-51	2.74E-03	4.03E-03	1.37E-02	U
AP	NBF	495099001	9/25/2019	Cs-134	7.38E-05	8.58E-05	2.68E-04	U
AP	NBF	495099001	9/25/2019	Cs-137	-4.06E-06	6.66E-05	2.23E-04	U
AP	NBF	495099001	9/25/2019	Fe-59	-6.52E-04	6.16E-04	1.72E-03	U
AP	NBF	495099001	9/25/2019	I-131	1.25E-02	1.35E-01	0.00E+00	UI
AP	NBF	495099001	9/25/2019	K-40	4.43E-03	1.76E-03	2.77E-03	UI
AP	NBF	495099001	9/25/2019	La-140	-8.39E-03	1.23E-02	3.70E-02	U
AP	NBF	495099001	9/25/2019	Mn-54	1.69E-05	9.07E-05	3.03E-04	U
AP	NBF	495099001	9/25/2019	Nb-95	4.91E-04	2.15E-04	7.00E-04	U
AP	NBF	495099001	9/25/2019	Ru-103	-5.20E-04	3.61E-04	7.80E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	495099001	9/25/2019	Ru-106	-4.83E-04	7.12E-04	2.28E-03	U
AP	NBF	495099001	9/25/2019	Sb-124	-3.72E-04	4.23E-04	1.17E-03	U
AP	NBF	495099001	9/25/2019	Sb-125	5.81E-05	1.85E-04	6.10E-04	U
AP	NBF	495099001	9/25/2019	Se-75	4.84E-05	1.27E-04	4.35E-04	U
AP	NBF	495099001	9/25/2019	Th-228	-1.94E-04	1.63E-04	4.55E-04	U
AP	NBF	495099001	9/25/2019	Zn-65	5.21E-04	1.82E-04	3.74E-04	UI
AP	NBF	495099001	9/25/2019	Zr-95	-6.10E-05	2.99E-04	9.43E-04	U
AP	SBN	495099002	9/25/2019	Ac-228	-2.99E-05	4.13E-04	1.30E-03	U
AP	SBN	495099002	9/25/2019	Ag-108m	1.14E-05	7.02E-05	2.37E-04	U
AP	SBN	495099002	9/25/2019	Ag-110m	3.23E-06	1.24E-04	4.13E-04	U
AP	SBN	495099002	9/25/2019	Ba-140	-7.68E-03	3.14E-02	1.02E-01	U
AP	SBN	495099002	9/25/2019	Be-7	1.64E-01	1.05E-02	5.73E-03	
AP	SBN	495099002	9/25/2019	Ce-141	-4.08E-04	6.69E-04	2.19E-03	U
AP	SBN	495099002	9/25/2019	Ce-144	3.84E-04	5.37E-04	1.83E-03	U
AP	SBN	495099002	9/25/2019	Co-57	1.13E-05	6.94E-05	2.37E-04	U
AP	SBN	495099002	9/25/2019	Co-58	2.00E-04	1.79E-04	5.60E-04	U
AP	SBN	495099002	9/25/2019	Co-60	-9.41E-05	1.90E-04	3.00E-04	U
AP	SBN	495099002	9/25/2019	Cr-51	7.61E-03	5.98E-03	1.92E-02	U
AP	SBN	495099002	9/25/2019	Cs-134	-8.19E-05	1.13E-04	3.07E-04	U
AP	SBN	495099002	9/25/2019	Cs-137	3.24E-07	8.49E-05	2.74E-04	U
AP	SBN	495099002	9/25/2019	Fe-59	-1.81E-04	4.80E-04	1.50E-03	U
AP	SBN	495099002	9/25/2019	I-131	-1.08E-01	1.64E-01	0.00E+00	U
AP	SBN	495099002	9/25/2019	K-40	3.34E-03	1.77E-03	2.35E-03	UI
AP	SBN	495099002	9/25/2019	La-140	-1.60E-02	1.15E-02	2.97E-02	U
AP	SBN	495099002	9/25/2019	Mn-54	1.54E-06	1.15E-04	3.51E-04	U
AP	SBN	495099002	9/25/2019	Nb-95	-5.14E-05	2.44E-04	7.79E-04	U
AP	SBN	495099002	9/25/2019	Ru-103	4.59E-04	3.42E-04	1.15E-03	U
AP	SBN	495099002	9/25/2019	Ru-106	2.64E-04	8.13E-04	2.68E-03	U
AP	SBN	495099002	9/25/2019	Sb-124	-8.71E-04	5.78E-04	1.47E-03	U
AP	SBN	495099002	9/25/2019	Sb-125	-2.12E-04	2.37E-04	7.47E-04	U
AP	SBN	495099002	9/25/2019	Se-75	-2.40E-04	1.74E-04	5.04E-04	U
AP	SBN	495099002	9/25/2019	Th-228	-2.81E-04	1.95E-04	5.44E-04	U
AP	SBN	495099002	9/25/2019	Zn-65	2.03E-04	2.59E-04	7.81E-04	U
AP	SBN	495099002	9/25/2019	Zr-95	-4.35E-04	3.71E-04	1.12E-03	U
AP	DOW	495099003	9/25/2019	Ac-228	1.96E-04	3.66E-04	1.28E-03	U
AP	DOW	495099003	9/25/2019	Ag-108m	-2.95E-05	6.46E-05	2.07E-04	U
AP	DOW	495099003	9/25/2019	Ag-110m	7.09E-05	1.58E-04	5.49E-04	U
AP	DOW	495099003	9/25/2019	Ba-140	3.33E-02	3.29E-02	1.14E-01	U
AP	DOW	495099003	9/25/2019	Be-7	1.42E-01	9.59E-03	4.99E-03	
AP	DOW	495099003	9/25/2019	Ce-141	-6.90E-04	5.78E-04	1.58E-03	U
AP	DOW	495099003	9/25/2019	Ce-144	-3.00E-04	3.83E-04	1.20E-03	U
AP	DOW	495099003	9/25/2019	Co-57	-1.61E-06	4.40E-05	1.47E-04	U
AP	DOW	495099003	9/25/2019	Co-58	2.45E-05	1.70E-04	5.19E-04	U
AP	DOW	495099003	9/25/2019	Co-60	7.66E-05	1.02E-04	3.60E-04	U
AP	DOW	495099003	9/25/2019	Cr-51	-1.25E-03	4.74E-03	1.60E-02	U
AP	DOW	495099003	9/25/2019	Cs-134	6.73E-05	9.44E-05	3.37E-04	U
AP	DOW	495099003	9/25/2019	Cs-137	-1.19E-04	9.78E-05	2.63E-04	U
AP	DOW	495099003	9/25/2019	Fe-59	-1.33E-03	8.00E-04	1.86E-03	U
AP	DOW	495099003	9/25/2019	I-131	-1.66E-01	1.40E-01	0.00E+00	U
AP	DOW	495099003	9/25/2019	K-40	1.49E-03	2.16E-03	3.69E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	DOW	495099003	9/25/2019	La-140	1.83E-02	1.14E-02	4.55E-02	U
AP	DOW	495099003	9/25/2019	Mn-54	4.41E-05	1.10E-04	3.42E-04	U
AP	DOW	495099003	9/25/2019	Nb-95	3.27E-04	2.23E-04	8.03E-04	U
AP	DOW	495099003	9/25/2019	Ru-103	1.27E-04	2.77E-04	9.48E-04	U
AP	DOW	495099003	9/25/2019	Ru-106	2.73E-04	7.91E-04	2.39E-03	U
AP	DOW	495099003	9/25/2019	Sb-124	-1.91E-04	6.43E-04	2.25E-03	U
AP	DOW	495099003	9/25/2019	Sb-125	1.15E-04	1.89E-04	6.57E-04	U
AP	DOW	495099003	9/25/2019	Se-75	2.60E-05	1.60E-04	4.70E-04	U
AP	DOW	495099003	9/25/2019	Th-228	2.50E-04	1.92E-04	4.71E-04	U
AP	DOW	495099003	9/25/2019	Zn-65	1.75E-04	2.21E-04	7.89E-04	U
AP	DOW	495099003	9/25/2019	Zr-95	1.96E-04	3.59E-04	1.20E-03	U
AP	COL	495099004	9/25/2019	Ac-228	-1.11E-03	6.57E-04	1.79E-03	U
AP	COL	495099004	9/25/2019	Ag-108m	-3.92E-05	9.73E-05	3.14E-04	U
AP	COL	495099004	9/25/2019	Ag-110m	1.89E-04	2.64E-04	8.92E-04	U
AP	COL	495099004	9/25/2019	Ba-140	5.87E-02	5.09E-02	1.78E-01	U
AP	COL	495099004	9/25/2019	Be-7	1.54E-01	1.20E-02	8.62E-03	
AP	COL	495099004	9/25/2019	Ce-141	-1.45E-03	8.99E-04	2.33E-03	U
AP	COL	495099004	9/25/2019	Ce-144	-9.62E-04	6.65E-04	1.57E-03	U
AP	COL	495099004	9/25/2019	Co-57	-5.19E-05	6.44E-05	2.01E-04	U
AP	COL	495099004	9/25/2019	Co-58	2.71E-04	3.15E-04	1.08E-03	U
AP	COL	495099004	9/25/2019	Co-60	9.72E-05	1.55E-04	5.50E-04	U
AP	COL	495099004	9/25/2019	Cr-51	2.42E-03	8.46E-03	2.69E-02	U
AP	COL	495099004	9/25/2019	Cs-134	2.51E-04	1.68E-04	5.88E-04	U
AP	COL	495099004	9/25/2019	Cs-137	-1.96E-04	1.56E-04	4.33E-04	U
AP	COL	495099004	9/25/2019	Fe-59	1.08E-03	1.14E-03	4.00E-03	U
AP	COL	495099004	9/25/2019	I-131	1.13E-01	2.13E-01	0.00E+00	UI
AP	COL	495099004	9/25/2019	K-40	3.98E-03	2.70E-03	4.26E-03	U
AP	COL	495099004	9/25/2019	La-140	-1.28E-02	1.29E-02	2.84E-02	U
AP	COL	495099004	9/25/2019	Mn-54	2.71E-05	1.44E-04	4.74E-04	U
AP	COL	495099004	9/25/2019	Nb-95	-2.42E-04	3.69E-04	1.11E-03	U
AP	COL	495099004	9/25/2019	Ru-103	9.89E-05	5.52E-04	1.87E-03	U
AP	COL	495099004	9/25/2019	Ru-106	-1.68E-03	1.42E-03	4.00E-03	U
AP	COL	495099004	9/25/2019	Sb-124	-1.56E-03	9.78E-04	1.91E-03	U
AP	COL	495099004	9/25/2019	Sb-125	-7.33E-05	3.10E-04	1.03E-03	U
AP	COL	495099004	9/25/2019	Se-75	1.41E-04	2.13E-04	6.94E-04	U
AP	COL	495099004	9/25/2019	Th-228	3.29E-04	3.00E-04	4.83E-04	U
AP	COL	495099004	9/25/2019	Zn-65	2.00E-04	3.67E-04	1.30E-03	U
AP	COL	495099004	9/25/2019	Zr-95	7.85E-05	5.76E-04	1.89E-03	U
AP	ONS-1	495099005	9/25/2019	Ac-228	3.48E-04	3.93E-04	1.40E-03	U
AP	ONS-1	495099005	9/25/2019	Ag-108m	1.30E-06	5.97E-05	2.00E-04	U
AP	ONS-1	495099005	9/25/2019	Ag-110m	1.61E-04	1.43E-04	4.99E-04	U
AP	ONS-1	495099005	9/25/2019	Ba-140	-9.23E-04	3.37E-02	1.11E-01	U
AP	ONS-1	495099005	9/25/2019	Be-7	1.58E-01	1.08E-02	6.20E-03	
AP	ONS-1	495099005	9/25/2019	Ce-141	7.01E-04	5.33E-04	1.68E-03	U
AP	ONS-1	495099005	9/25/2019	Ce-144	4.92E-04	6.88E-04	1.31E-03	U
AP	ONS-1	495099005	9/25/2019	Co-57	-1.46E-05	4.77E-05	1.54E-04	U
AP	ONS-1	495099005	9/25/2019	Co-58	-2.30E-04	2.16E-04	5.90E-04	U
AP	ONS-1	495099005	9/25/2019	Co-60	1.19E-04	1.07E-04	3.91E-04	U
AP	ONS-1	495099005	9/25/2019	Cr-51	9.62E-03	5.37E-03	1.84E-02	U
AP	ONS-1	495099005	9/25/2019	Cs-134	-5.14E-05	8.80E-05	2.53E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	ONS-1	495099005	9/25/2019	Cs-137	-8.55E-05	9.45E-05	2.71E-04	U
AP	ONS-1	495099005	9/25/2019	Fe-59	2.60E-04	6.74E-04	2.33E-03	U
AP	ONS-1	495099005	9/25/2019	I-131	3.64E-02	1.54E-01	0.00E+00	UI
AP	ONS-1	495099005	9/25/2019	K-40	6.98E-04	1.67E-03	5.86E-03	U
AP	ONS-1	495099005	9/25/2019	La-140	-8.31E-03	1.54E-02	3.64E-02	U
AP	ONS-1	495099005	9/25/2019	Mn-54	1.30E-04	1.12E-04	4.02E-04	U
AP	ONS-1	495099005	9/25/2019	Nb-95	6.92E-05	2.47E-04	8.07E-04	U
AP	ONS-1	495099005	9/25/2019	Ru-103	9.05E-06	3.31E-04	1.10E-03	U
AP	ONS-1	495099005	9/25/2019	Ru-106	1.07E-03	7.94E-04	2.79E-03	U
AP	ONS-1	495099005	9/25/2019	Sb-124	6.54E-04	6.01E-04	2.28E-03	U
AP	ONS-1	495099005	9/25/2019	Sb-125	8.88E-05	2.02E-04	6.95E-04	U
AP	ONS-1	495099005	9/25/2019	Se-75	2.58E-04	1.49E-04	4.81E-04	U
AP	ONS-1	495099005	9/25/2019	Th-228	-3.84E-04	1.78E-04	4.16E-04	U
AP	ONS-1	495099005	9/25/2019	Zn-65	-1.09E-04	2.52E-04	7.88E-04	U
AP	ONS-1	495099005	9/25/2019	Zr-95	-1.36E-04	4.40E-04	1.36E-03	U
AP	ONS-2	495099006	9/25/2019	Ac-228	3.26E-04	4.12E-04	1.49E-03	U
AP	ONS-2	495099006	9/25/2019	Ag-108m	1.17E-04	8.16E-05	2.76E-04	U
AP	ONS-2	495099006	9/25/2019	Ag-110m	-2.59E-04	1.40E-04	2.90E-04	U
AP	ONS-2	495099006	9/25/2019	Ba-140	2.99E-02	3.69E-02	1.14E-01	U
AP	ONS-2	495099006	9/25/2019	Be-7	1.48E-01	9.88E-03	5.33E-03	U
AP	ONS-2	495099006	9/25/2019	Ce-141	1.34E-03	1.06E-03	1.60E-03	U
AP	ONS-2	495099006	9/25/2019	Ce-144	-2.23E-04	4.53E-04	1.38E-03	U
AP	ONS-2	495099006	9/25/2019	Co-57	-7.65E-05	6.34E-05	1.79E-04	U
AP	ONS-2	495099006	9/25/2019	Co-58	-1.99E-04	2.12E-04	6.26E-04	U
AP	ONS-2	495099006	9/25/2019	Co-60	-2.09E-04	1.27E-04	2.67E-04	U
AP	ONS-2	495099006	9/25/2019	Cr-51	-1.51E-03	6.18E-03	2.03E-02	U
AP	ONS-2	495099006	9/25/2019	Cs-134	1.20E-04	1.07E-04	3.81E-04	U
AP	ONS-2	495099006	9/25/2019	Cs-137	-6.45E-05	7.61E-05	2.31E-04	U
AP	ONS-2	495099006	9/25/2019	Fe-59	8.28E-04	5.35E-04	2.03E-03	U
AP	ONS-2	495099006	9/25/2019	I-131	1.12E-02	1.55E-01	0.00E+00	UI
AP	ONS-2	495099006	9/25/2019	K-40	-7.56E-04	1.50E-03	4.68E-03	U
AP	ONS-2	495099006	9/25/2019	La-140	-7.93E-03	1.41E-02	4.27E-02	U
AP	ONS-2	495099006	9/25/2019	Mn-54	-1.65E-04	1.22E-04	2.91E-04	U
AP	ONS-2	495099006	9/25/2019	Nb-95	3.66E-04	2.31E-04	8.24E-04	U
AP	ONS-2	495099006	9/25/2019	Ru-103	-1.10E-04	3.43E-04	1.07E-03	U
AP	ONS-2	495099006	9/25/2019	Ru-106	1.63E-03	1.02E-03	3.46E-03	U
AP	ONS-2	495099006	9/25/2019	Sb-124	2.94E-05	5.50E-04	1.85E-03	U
AP	ONS-2	495099006	9/25/2019	Sb-125	2.72E-04	2.22E-04	7.60E-04	U
AP	ONS-2	495099006	9/25/2019	Se-75	1.52E-04	1.57E-04	5.40E-04	U
AP	ONS-2	495099006	9/25/2019	Th-228	-3.16E-05	1.61E-04	5.41E-04	U
AP	ONS-2	495099006	9/25/2019	Zn-65	3.04E-04	2.96E-04	9.57E-04	U
AP	ONS-2	495099006	9/25/2019	Zr-95	1.63E-04	4.35E-04	1.46E-03	U
AP	ONS-3	495099007	9/25/2019	Ac-228	-4.17E-04	3.77E-04	1.04E-03	U
AP	ONS-3	495099007	9/25/2019	Ag-108m	4.83E-05	5.15E-05	1.76E-04	U
AP	ONS-3	495099007	9/25/2019	Ag-110m	-1.28E-04	1.23E-04	3.62E-04	U
AP	ONS-3	495099007	9/25/2019	Ba-140	-3.50E-03	2.70E-02	8.63E-02	U
AP	ONS-3	495099007	9/25/2019	Be-7	1.50E-01	9.59E-03	4.94E-03	U
AP	ONS-3	495099007	9/25/2019	Ce-141	1.97E-04	4.38E-04	1.38E-03	U
AP	ONS-3	495099007	9/25/2019	Ce-144	2.60E-04	3.15E-04	1.10E-03	U
AP	ONS-3	495099007	9/25/2019	Co-57	-1.87E-05	4.50E-05	1.36E-04	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-3	495099007	9/25/2019	Co-58	6.82E-05	1.49E-04	5.22E-04	U
AP	ONS-3	495099007	9/25/2019	Co-60	1.29E-04	8.49E-05	3.13E-04	U
AP	ONS-3	495099007	9/25/2019	Cr-51	-8.81E-03	4.75E-03	1.26E-02	U
AP	ONS-3	495099007	9/25/2019	Cs-134	1.20E-04	7.80E-05	2.82E-04	U
AP	ONS-3	495099007	9/25/2019	Cs-137	5.11E-05	5.53E-05	1.91E-04	U
AP	ONS-3	495099007	9/25/2019	Fe-59	-9.36E-05	4.15E-04	1.34E-03	U
AP	ONS-3	495099007	9/25/2019	I-131	7.18E-02	1.11E-01	0.00E+00	UI
AP	ONS-3	495099007	9/25/2019	K-40	1.52E-03	1.04E-03	1.39E-03	UI
AP	ONS-3	495099007	9/25/2019	La-140	-7.83E-03	9.00E-03	2.35E-02	U
AP	ONS-3	495099007	9/25/2019	Mn-54	-1.97E-05	6.08E-05	1.98E-04	U
AP	ONS-3	495099007	9/25/2019	Nb-95	1.42E-04	1.61E-04	5.46E-04	U
AP	ONS-3	495099007	9/25/2019	Ru-103	-1.42E-04	2.59E-04	7.95E-04	U
AP	ONS-3	495099007	9/25/2019	Ru-106	9.52E-04	7.09E-04	2.42E-03	U
AP	ONS-3	495099007	9/25/2019	Sb-124	2.76E-04	3.69E-04	1.35E-03	U
AP	ONS-3	495099007	9/25/2019	Sb-125	-1.16E-04	1.64E-04	4.99E-04	U
AP	ONS-3	495099007	9/25/2019	Se-75	-3.47E-05	1.22E-04	4.02E-04	U
AP	ONS-3	495099007	9/25/2019	Th-228	3.56E-04	1.70E-04	3.06E-04	UI
AP	ONS-3	495099007	9/25/2019	Zn-65	8.63E-05	1.60E-04	5.63E-04	U
AP	ONS-3	495099007	9/25/2019	Zr-95	-1.21E-04	2.32E-04	6.76E-04	U
AP	ONS-4	495099008	9/25/2019	Ac-228	-5.61E-04	3.42E-04	9.77E-04	U
AP	ONS-4	495099008	9/25/2019	Ag-108m	-1.51E-04	6.88E-05	1.62E-04	U
AP	ONS-4	495099008	9/25/2019	Ag-110m	2.36E-04	1.59E-04	5.09E-04	U
AP	ONS-4	495099008	9/25/2019	Ba-140	3.47E-03	2.84E-02	9.26E-02	U
AP	ONS-4	495099008	9/25/2019	Be-7	1.64E-01	9.86E-03	4.43E-03	
AP	ONS-4	495099008	9/25/2019	Ce-141	-4.61E-04	5.24E-04	1.58E-03	U
AP	ONS-4	495099008	9/25/2019	Ce-144	5.85E-04	3.90E-04	1.26E-03	U
AP	ONS-4	495099008	9/25/2019	Co-57	-7.16E-05	4.51E-05	1.24E-04	U
AP	ONS-4	495099008	9/25/2019	Co-58	-6.47E-05	1.53E-04	4.23E-04	U
AP	ONS-4	495099008	9/25/2019	Co-60	-2.11E-04	1.13E-04	2.41E-04	U
AP	ONS-4	495099008	9/25/2019	Cr-51	3.85E-03	4.56E-03	1.56E-02	U
AP	ONS-4	495099008	9/25/2019	Cs-134	1.03E-04	8.86E-05	3.12E-04	U
AP	ONS-4	495099008	9/25/2019	Cs-137	-6.31E-07	7.58E-05	2.40E-04	U
AP	ONS-4	495099008	9/25/2019	Fe-59	-4.81E-05	5.25E-04	1.70E-03	U
AP	ONS-4	495099008	9/25/2019	I-131	4.52E-02	1.30E-01	0.00E+00	UI
AP	ONS-4	495099008	9/25/2019	K-40	2.09E-03	1.36E-03	2.43E-03	U
AP	ONS-4	495099008	9/25/2019	La-140	-7.26E-03	9.98E-03	2.93E-02	U
AP	ONS-4	495099008	9/25/2019	Mn-54	5.39E-05	8.11E-05	2.83E-04	U
AP	ONS-4	495099008	9/25/2019	Nb-95	1.93E-04	2.62E-04	4.34E-04	U
AP	ONS-4	495099008	9/25/2019	Ru-103	2.96E-04	2.97E-04	1.00E-03	U
AP	ONS-4	495099008	9/25/2019	Ru-106	-5.97E-04	7.13E-04	2.06E-03	U
AP	ONS-4	495099008	9/25/2019	Sb-124	-6.35E-04	4.15E-04	8.70E-04	U
AP	ONS-4	495099008	9/25/2019	Sb-125	6.00E-05	1.86E-04	6.22E-04	U
AP	ONS-4	495099008	9/25/2019	Se-75	2.45E-04	1.36E-04	4.56E-04	U
AP	ONS-4	495099008	9/25/2019	Th-228	-7.49E-05	1.26E-04	3.82E-04	U
AP	ONS-4	495099008	9/25/2019	Zn-65	-3.13E-04	2.66E-04	6.89E-04	U
AP	ONS-4	495099008	9/25/2019	Zr-95	1.64E-04	3.06E-04	9.61E-04	U
AP	ONS-5	495099009	9/25/2019	Ac-228	-2.02E-04	3.80E-04	1.10E-03	U
AP	ONS-5	495099009	9/25/2019	Ag-108m	-8.22E-06	5.74E-05	1.92E-04	U
AP	ONS-5	495099009	9/25/2019	Ag-110m	-1.96E-04	1.25E-04	2.99E-04	U
AP	ONS-5	495099009	9/25/2019	Ba-140	-9.43E-03	2.53E-02	8.20E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-5	495099009	9/25/2019	Bc-7	1.50E-01	9.70E-03	6.29E-03	
AP	ONS-5	495099009	9/25/2019	Ce-141	-8.68E-04	5.36E-04	1.45E-03	U
AP	ONS-5	495099009	9/25/2019	Ce-144	3.16E-04	4.07E-04	1.33E-03	U
AP	ONS-5	495099009	9/25/2019	Co-57	-4.26E-05	5.36E-05	1.49E-04	U
AP	ONS-5	495099009	9/25/2019	Co-58	-8.00E-05	1.33E-04	3.98E-04	U
AP	ONS-5	495099009	9/25/2019	Co-60	-3.99E-06	7.09E-05	2.39E-04	U
AP	ONS-5	495099009	9/25/2019	Cr-51	5.61E-03	4.81E-03	1.67E-02	U
AP	ONS-5	495099009	9/25/2019	Cs-134	-3.06E-04	1.21E-04	2.25E-04	U
AP	ONS-5	495099009	9/25/2019	Cs-137	-7.78E-05	7.31E-05	2.12E-04	U
AP	ONS-5	495099009	9/25/2019	Fe-59	-5.75E-04	4.62E-04	1.10E-03	U
AP	ONS-5	495099009	9/25/2019	I-131	-1.19E-01	1.25E-01	0.00E+00	U
AP	ONS-5	495099009	9/25/2019	K-40	2.84E-03	1.72E-03	2.05E-03	UI
AP	ONS-5	495099009	9/25/2019	La-140	-3.03E-03	1.11E-02	3.58E-02	U
AP	ONS-5	495099009	9/25/2019	Mn-54	-4.18E-05	8.89E-05	2.76E-04	U
AP	ONS-5	495099009	9/25/2019	Nb-95	1.78E-04	1.77E-04	6.12E-04	U
AP	ONS-5	495099009	9/25/2019	Ru-103	4.86E-04	2.94E-04	1.01E-03	U
AP	ONS-5	495099009	9/25/2019	Ru-106	-1.45E-03	8.44E-04	2.20E-03	U
AP	ONS-5	495099009	9/25/2019	Sb-124	-3.02E-04	3.86E-04	1.07E-03	U
AP	ONS-5	495099009	9/25/2019	Sb-125	6.47E-05	1.78E-04	6.14E-04	U
AP	ONS-5	495099009	9/25/2019	Se-75	1.07E-04	1.33E-04	4.27E-04	U
AP	ONS-5	495099009	9/25/2019	Th-228	9.16E-05	1.82E-04	4.04E-04	U
AP	ONS-5	495099009	9/25/2019	Zn-65	1.73E-04	2.08E-04	7.98E-04	U
AP	ONS-5	495099009	9/25/2019	Zr-95	-2.20E-04	2.86E-04	7.23E-04	U
AP	ONS-6	495099010	9/25/2019	Ac-228	8.15E-05	4.86E-04	1.37E-03	U
AP	ONS-6	495099010	9/25/2019	Ag-108m	-4.93E-05	5.88E-05	1.82E-04	U
AP	ONS-6	495099010	9/25/2019	Ag-110m	8.57E-05	1.36E-04	4.63E-04	U
AP	ONS-6	495099010	9/25/2019	Ba-140	2.94E-02	2.98E-02	1.04E-01	U
AP	ONS-6	495099010	9/25/2019	Bc-7	1.66E-01	1.07E-02	4.56E-03	
AP	ONS-6	495099010	9/25/2019	Ce-141	6.50E-04	9.89E-04	1.58E-03	U
AP	ONS-6	495099010	9/25/2019	Ce-144	-4.74E-04	4.20E-04	1.23E-03	U
AP	ONS-6	495099010	9/25/2019	Co-57	-8.75E-06	4.91E-05	1.58E-04	U
AP	ONS-6	495099010	9/25/2019	Co-58	1.26E-04	1.69E-04	5.82E-04	U
AP	ONS-6	495099010	9/25/2019	Co-60	-5.64E-05	1.05E-04	3.26E-04	U
AP	ONS-6	495099010	9/25/2019	Cr-51	1.95E-03	4.49E-03	1.57E-02	U
AP	ONS-6	495099010	9/25/2019	Cs-134	4.97E-05	1.05E-04	3.46E-04	U
AP	ONS-6	495099010	9/25/2019	Cs-137	-2.74E-05	6.58E-05	2.05E-04	U
AP	ONS-6	495099010	9/25/2019	Fe-59	6.03E-04	5.47E-04	1.89E-03	U
AP	ONS-6	495099010	9/25/2019	I-131	-1.09E-01	1.25E-01	0.00E+00	U
AP	ONS-6	495099010	9/25/2019	K-40	-2.31E-03	1.33E-03	3.75E-03	U
AP	ONS-6	495099010	9/25/2019	La-140	1.28E-02	1.35E-02	4.86E-02	U
AP	ONS-6	495099010	9/25/2019	Mn-54	-2.60E-05	8.71E-05	2.71E-04	U
AP	ONS-6	495099010	9/25/2019	Nb-95	7.26E-05	2.46E-04	7.44E-04	U
AP	ONS-6	495099010	9/25/2019	Ru-103	-1.37E-04	2.81E-04	8.95E-04	U
AP	ONS-6	495099010	9/25/2019	Ru-106	1.12E-03	8.11E-04	2.82E-03	U
AP	ONS-6	495099010	9/25/2019	Sb-124	-3.07E-05	4.09E-04	1.32E-03	U
AP	ONS-6	495099010	9/25/2019	Sb-125	-9.93E-05	1.93E-04	6.22E-04	U
AP	ONS-6	495099010	9/25/2019	Se-75	-9.78E-05	1.43E-04	4.22E-04	U
AP	ONS-6	495099010	9/25/2019	Th-228	-3.06E-04	1.56E-04	4.11E-04	U
AP	ONS-6	495099010	9/25/2019	Zn-65	1.32E-05	2.32E-04	7.01E-04	U
AP	ONS-6	495099010	9/25/2019	Zr-95	-7.03E-05	3.05E-04	9.63E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	492078001	10/2/2019	BETA	3.49E-02	1.84E-03	1.68E-03	
AP	SBN	492078002	10/2/2019	BETA	3.71E-02	1.89E-03	1.90E-03	
AP	DOW	492078003	10/2/2019	BETA	3.51E-02	1.89E-03	1.87E-03	
AP	COL	492078004	10/2/2019	BETA	3.16E-02	1.72E-03	1.70E-03	
AP	ONS-1	492078005	10/2/2019	BETA	3.53E-02	1.88E-03	1.74E-03	
AP	ONS-2	492078006	10/2/2019	BETA	3.20E-02	1.73E-03	1.84E-03	
AP	ONS-3	492078007	10/2/2019	BETA	3.49E-02	1.80E-03	1.71E-03	
AP	ONS-4	492078008	10/2/2019	BETA	3.11E-02	1.68E-03	1.66E-03	
AP	ONS-5	492078009	10/2/2019	BETA	3.59E-02	1.81E-03	1.59E-03	
AP	ONS-6	492078010	10/2/2019	BETA	3.22E-02	1.75E-03	1.87E-03	
AP	NBF	492794001	10/9/2019	BETA	2.20E-02	1.43E-03	1.64E-03	
AP	SBN	492794002	10/9/2019	BETA	2.31E-02	1.40E-03	1.46E-03	
AP	DOW	492794003	10/9/2019	BETA	2.12E-02	1.50E-03	1.80E-03	
AP	COL	492794004	10/9/2019	BETA	2.57E-02	1.66E-03	1.85E-03	
AP	ONS-1	492794005	10/9/2019	BETA	2.05E-02	1.49E-03	1.86E-03	
AP	ONS-2	492794006	10/9/2019	BETA	2.19E-02	1.42E-03	1.56E-03	
AP	ONS-3	492794007	10/9/2019	BETA	2.09E-02	1.42E-03	1.67E-03	
AP	ONS-4	492794008	10/9/2019	BETA	2.39E-02	1.67E-03	1.96E-03	
AP	ONS-5	492794009	10/9/2019	BETA	2.17E-02	1.46E-03	1.73E-03	
AP	ONS-6	492794010	10/9/2019	BETA	2.23E-02	1.44E-03	1.59E-03	
AP	NBF	493369001	10/16/2019	BETA	3.46E-02	1.73E-03	1.61E-03	
AP	SBN	493369002	10/16/2019	BETA	3.82E-02	1.82E-03	1.56E-03	
AP	DOW	493369003	10/16/2019	BETA	3.48E-02	1.84E-03	1.77E-03	
AP	COL	493369004	10/16/2019	BETA	3.98E-02	2.03E-03	1.85E-03	
AP	ONS-1	493369005	10/16/2019	BETA	3.08E-02	1.77E-03	1.84E-03	
AP	ONS-2	493369006	10/16/2019	BETA	2.96E-02	1.61E-03	1.54E-03	
AP	ONS-3	493369007	10/16/2019	BETA	3.37E-02	1.68E-03	1.53E-03	
AP	ONS-4	493369008	10/16/2019	BETA	3.21E-02	1.84E-03	1.84E-03	
AP	ONS-5	493369009	10/16/2019	BETA	3.43E-02	1.77E-03	1.69E-03	
AP	ONS-6	493369010	10/16/2019	BETA	3.35E-02	1.72E-03	1.57E-03	
AP	NBF	494059001	10/23/2019	BETA	4.16E-02	2.13E-03	1.95E-03	
AP	SBN	494059002	10/23/2019	BETA	3.03E-02	1.71E-03	1.75E-03	
AP	DOW	494059003	10/23/2019	BETA	2.95E-02	1.68E-03	1.68E-03	
AP	COL	494059004	10/23/2019	BETA	3.01E-02	1.70E-03	1.71E-03	
AP	ONS-1	494059005	10/23/2019	BETA	3.94E-02	2.16E-03	2.09E-03	
AP	ONS-2	494059006	10/23/2019	BETA	3.24E-02	1.75E-03	1.73E-03	
AP	ONS-3	494059007	10/23/2019	BETA	3.29E-02	1.70E-03	1.57E-03	
AP	ONS-4	494059008	10/23/2019	BETA	3.51E-02	1.85E-03	1.78E-03	
AP	ONS-5	494059009	10/23/2019	BETA	3.78E-02	2.02E-03	1.92E-03	
AP	ONS-6	494059010	10/23/2019	BETA	3.18E-02	1.73E-03	1.74E-03	
AP	NBF	494990001	10/30/2019	BETA	2.67E-02	1.56E-03	1.65E-03	
AP	SBN	494990002	10/30/2019	BETA	2.70E-02	1.53E-03	1.53E-03	
AP	DOW	494990003	10/30/2019	BETA	2.57E-02	1.60E-03	1.77E-03	
AP	COL	494990004	10/30/2019	BETA	2.69E-02	1.69E-03	1.84E-03	
AP	ONS-1	494990005	10/30/2019	BETA	2.72E-02	1.68E-03	1.85E-03	
AP	ONS-2	494990006	10/30/2019	BETA	2.74E-02	1.54E-03	1.54E-03	
AP	ONS-3	494990007	10/30/2019	BETA	2.45E-02	1.44E-03	1.51E-03	
AP	ONS-4	494990008	10/30/2019	BETA	2.87E-02	1.73E-03	1.81E-03	
AP	ONS-5	494990009	10/30/2019	BETA	2.40E-02	1.50E-03	1.66E-03	
AP	ONS-6	494990010	10/30/2019	BETA	2.28E-02	1.39E-03	1.48E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	NBF	495763001	11/6/2019	BETA	2.62E-02	1.57E-03	1.78E-03	
AP	SBN	495763002	11/6/2019	BETA	3.32E-02	1.85E-03	1.82E-03	
AP	DOW	495763003	11/6/2019	BETA	2.73E-02	1.61E-03	1.74E-03	
AP	COL	495763004	11/6/2019	BETA	2.45E-02	1.47E-03	1.56E-03	
AP	ONS-1	495763005	11/6/2019	BETA	2.58E-02	1.64E-03	1.93E-03	
AP	ONS-2	495763006	11/6/2019	BETA	3.04E-02	1.84E-03	1.93E-03	
AP	ONS-3	495763007	11/6/2019	BETA	2.68E-02	1.61E-03	1.76E-03	
AP	ONS-4	495763008	11/6/2019	BETA	2.50E-02	1.48E-03	1.57E-03	
AP	ONS-5	495763009	11/6/2019	BETA	2.71E-02	1.61E-03	1.80E-03	
AP	ONS-6	495763010	11/6/2019	BETA	2.92E-02	1.78E-03	1.89E-03	
AP	NBF	496729001	11/13/2019	BETA	2.78E-02	1.60E-03	1.66E-03	
AP	SBN	496729002	11/13/2019	BETA	3.63E-02	1.90E-03	1.73E-03	
AP	DOW	496729003	11/13/2019	BETA	2.80E-02	1.66E-03	1.86E-03	
AP	COL	496729004	11/13/2019	BETA	3.35E-02	1.69E-03	1.53E-03	
AP	ONS-1	496729005	11/13/2019	BETA	3.17E-02	1.81E-03	1.86E-03	
AP	ONS-2	496729006	11/13/2019	BETA	3.82E-02	2.06E-03	1.93E-03	
AP	ONS-3	496729007	11/13/2019	BETA	2.85E-02	1.66E-03	1.83E-03	
AP	ONS-4	496729008	11/13/2019	BETA	2.88E-02	1.57E-03	1.54E-03	
AP	ONS-5	496729009	11/13/2019	BETA	3.01E-02	1.69E-03	1.72E-03	
AP	ONS-6	496729010	11/13/2019	BETA	4.15E-02	2.07E-03	1.82E-03	
AP	NBF	497383001	11/20/2019	BETA	4.77E-02	2.23E-03	1.82E-03	
AP	SBN	497383002	11/20/2019	BETA	4.95E-02	2.03E-03	1.53E-03	
AP	DOW	497383003	11/20/2019	BETA	3.70E-02	1.80E-03	1.57E-03	
AP	COL	497383004	11/20/2019	BETA	3.45E-02	1.76E-03	1.64E-03	
AP	ONS-1	497383005	11/20/2019	BETA	4.86E-02	2.40E-03	2.07E-03	
AP	ONS-2	497383006	11/20/2019	BETA	4.08E-02	1.98E-03	1.73E-03	
AP	ONS-3	497383007	11/20/2019	BETA	3.91E-02	1.85E-03	1.59E-03	
AP	ONS-4	497383008	11/20/2019	BETA	3.70E-02	1.81E-03	1.61E-03	
AP	ONS-5	497383009	11/20/2019	BETA	4.94E-02	2.31E-03	1.90E-03	
AP	ONS-6	497383010	11/20/2019	BETA	3.94E-02	1.89E-03	1.63E-03	
AP	NBF	497662001	11/26/2019	BETA	3.64E-02	1.96E-03	1.85E-03	
AP	SBN	497662002	11/26/2019	BETA	3.08E-02	1.79E-03	1.89E-03	
AP	DOW	497662003	11/26/2019	BETA	4.51E-02	2.41E-03	2.27E-03	
AP	COL	497662004	11/26/2019	BETA	3.16E-02	1.83E-03	1.91E-03	
AP	ONS-1	497662005	11/26/2019	BETA	3.29E-02	2.01E-03	2.10E-03	
AP	ONS-2	497662006	11/26/2019	BETA	3.32E-02	2.00E-03	2.17E-03	
AP	ONS-3	497662007	11/26/2019	BETA	3.91E-02	2.32E-03	2.37E-03	
AP	ONS-4	497662008	11/26/2019	BETA	3.44E-02	1.97E-03	2.05E-03	
AP	ONS-5	497662009	11/26/2019	BETA	3.35E-02	1.90E-03	1.88E-03	
AP	ONS-6	497662010	11/26/2019	BETA	2.70E-02	1.79E-03	2.10E-03	
AP	NBF	498361001	12/4/2019	BETA	2.03E-02	1.31E-03	1.46E-03	
AP	SBN	498361002	12/4/2019	BETA	1.85E-02	1.19E-03	1.33E-03	
AP	DOW	498361003	12/4/2019	BETA	2.03E-02	1.31E-03	1.52E-03	
AP	COL	498361004	12/4/2019	BETA	2.68E-02	1.58E-03	1.70E-03	
AP	ONS-1	498361005	12/4/2019	BETA	2.07E-02	1.39E-03	1.60E-03	
AP	ONS-2	498361006	12/4/2019	BETA	1.85E-02	1.22E-03	1.39E-03	
AP	ONS-3	498361007	12/4/2019	BETA	2.23E-02	1.35E-03	1.49E-03	
AP	ONS-4	498361008	12/4/2019	BETA	2.39E-02	1.47E-03	1.63E-03	
AP	ONS-5	498361009	12/4/2019	BETA	2.16E-02	1.33E-03	1.43E-03	
AP	ONS-6	498361010	12/4/2019	BETA	2.32E-02	1.35E-03	1.38E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	NBF	498968001	12/11/2019	BETA	3.80E-02	1.84E-03	1.65E-03	
AP	SBN	498968002	12/11/2019	BETA	3.39E-02	1.71E-03	1.56E-03	
AP	DOW	498968003	12/11/2019	BETA	4.33E-02	2.12E-03	1.79E-03	
AP	COL	498968004	12/11/2019	BETA	3.44E-02	1.73E-03	1.55E-03	
AP	ONS-1	498968005	12/11/2019	BETA	3.31E-02	1.82E-03	1.80E-03	
AP	ONS-2	498968006	12/11/2019	BETA	3.19E-02	1.73E-03	1.67E-03	
AP	ONS-3	498968007	12/11/2019	BETA	4.54E-02	2.21E-03	1.87E-03	
AP	ONS-4	498968008	12/11/2019	BETA	3.79E-02	1.81E-03	1.55E-03	
AP	ONS-5	498968009	12/11/2019	BETA	3.41E-02	1.71E-03	1.57E-03	
AP	ONS-6	498968010	12/11/2019	BETA	3.51E-02	1.77E-03	1.62E-03	
AP	NBF	499658001	12/18/2019	BETA	5.41E-02	2.42E-03	2.02E-03	
AP	SBN	499658002	12/18/2019	BETA	5.07E-02	2.15E-03	1.64E-03	
AP	DOW	499658003	12/18/2019	BETA	4.37E-02	1.91E-03	1.45E-03	
AP	COL	499658004	12/18/2019	BETA	4.35E-02	1.98E-03	1.56E-03	
AP	ONS-1	499658005	12/18/2019	BETA	5.57E-02	2.62E-03	2.28E-03	
AP	ONS-2	499658006	12/18/2019	BETA	4.33E-02	2.00E-03	1.63E-03	
AP	ONS-3	499658007	12/18/2019	BETA	4.95E-02	2.07E-03	1.51E-03	
AP	ONS-4	499658008	12/18/2019	BETA	4.80E-02	2.09E-03	1.60E-03	
AP	ONS-5	499658009	12/18/2019	BETA	5.17E-02	2.36E-03	2.01E-03	
AP	ONS-6	499658010	12/18/2019	BETA	4.09E-02	1.91E-03	1.59E-03	
AP	NBF	499874001	12/24/2019	BETA	4.77E-02	2.30E-03	2.07E-03	
AP	SBN	499874002	12/24/2019	BETA	4.81E-02	2.20E-03	1.88E-03	
AP	DOW	499874003	12/24/2019	BETA	5.47E-02	2.37E-03	1.91E-03	
AP	COL	499874004	12/24/2019	BETA	6.33E-02	2.79E-03	2.37E-03	
AP	ONS-1	499874005	12/24/2019	BETA	5.17E-02	2.53E-03	2.31E-03	
AP	ONS-2	499874006	12/24/2019	BETA	5.61E-02	2.38E-03	1.91E-03	
AP	ONS-3	499874007	12/24/2019	BETA	4.67E-02	2.32E-03	2.10E-03	
AP	ONS-4	499874008	12/24/2019	BETA	6.04E-02	2.83E-03	2.53E-03	
AP	ONS-5	499874009	12/24/2019	BETA	5.31E-02	2.40E-03	2.05E-03	
AP	ONS-6	499874010	12/24/2019	BETA	5.51E-02	2.33E-03	1.85E-03	
AP	NBF	500188001	12/31/2019	BETA	5.14E-02	2.21E-03	1.73E-03	
AP	SBN	500188002	12/31/2019	BETA	4.62E-02	1.99E-03	1.54E-03	
AP	DOW	500188003	12/31/2019	BETA	5.11E-02	2.13E-03	1.65E-03	
AP	COL	500188004	12/31/2019	BETA	5.25E-02	2.37E-03	1.93E-03	
AP	ONS-1	500188005	12/31/2019	BETA	4.52E-02	2.06E-03	1.70E-03	
AP	ONS-2	500188006	12/31/2019	BETA	4.13E-02	1.91E-03	1.56E-03	
AP	ONS-3	500188007	12/31/2019	BETA	4.12E-02	1.93E-03	1.64E-03	
AP	ONS-4	500188008	12/31/2019	BETA	5.38E-02	2.35E-03	1.88E-03	
AP	ONS-5	500188009	12/31/2019	BETA	5.01E-02	2.15E-03	1.70E-03	
AP	ONS-6	500188010	12/31/2019	BETA	3.79E-02	1.77E-03	1.47E-03	
AP	NBF	502061001	12/31/2019	Ac-228	4.00E-04	3.34E-04	1.19E-03	U
AP	NBF	502061001	12/31/2019	Ag-108m	-8.49E-05	6.77E-05	1.90E-04	U
AP	NBF	502061001	12/31/2019	Ag-110m	-1.71E-05	1.32E-04	4.38E-04	U
AP	NBF	502061001	12/31/2019	Ba-140	-1.25E-02	3.43E-02	1.06E-01	U
AP	NBF	502061001	12/31/2019	Be-7	1.07E-01	8.25E-03	6.08E-03	
AP	NBF	502061001	12/31/2019	Ce-141	2.46E-04	5.18E-04	1.77E-03	U
AP	NBF	502061001	12/31/2019	Ce-144	-1.14E-04	3.87E-04	1.28E-03	U
AP	NBF	502061001	12/31/2019	Co-57	9.43E-05	5.48E-05	1.84E-04	U
AP	NBF	502061001	12/31/2019	Co-58	9.18E-05	1.66E-04	5.84E-04	U
AP	NBF	502061001	12/31/2019	Co-60	9.25E-05	8.97E-05	3.25E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	NBF	502061001	12/31/2019	Cr-51	7.23E-03	5.00E-03	1.68E-02	U
AP	NBF	502061001	12/31/2019	Cs-134	-3.00E-05	8.24E-05	2.68E-04	U
AP	NBF	502061001	12/31/2019	Cs-137	-5.58E-05	8.48E-05	2.49E-04	U
AP	NBF	502061001	12/31/2019	Fe-59	3.12E-04	6.06E-04	2.05E-03	U
AP	NBF	502061001	12/31/2019	I-131	-1.04E-01	1.65E-01	0.00E+00	U
AP	NBF	502061001	12/31/2019	K-40	5.40E-04	1.28E-03	4.37E-03	U
AP	NBF	502061001	12/31/2019	La-140	-9.30E-03	1.11E-02	2.94E-02	U
AP	NBF	502061001	12/31/2019	Mn-54	3.88E-05	9.38E-05	3.26E-04	U
AP	NBF	502061001	12/31/2019	Nb-95	-1.74E-04	1.88E-04	5.70E-04	U
AP	NBF	502061001	12/31/2019	Ru-103	-3.28E-04	3.30E-04	9.42E-04	U
AP	NBF	502061001	12/31/2019	Ru-106	4.14E-04	7.94E-04	2.63E-03	U
AP	NBF	502061001	12/31/2019	Sb-124	-1.12E-04	4.01E-04	1.22E-03	U
AP	NBF	502061001	12/31/2019	Sb-125	6.47E-06	2.12E-04	6.90E-04	U
AP	NBF	502061001	12/31/2019	Se-75	-6.80E-05	1.32E-04	4.22E-04	U
AP	NBF	502061001	12/31/2019	Th-228	4.88E-04	2.50E-04	4.26E-04	UI
AP	NBF	502061001	12/31/2019	Zn-65	3.72E-04	2.18E-04	7.25E-04	U
AP	NBF	502061001	12/31/2019	Zr-95	-2.10E-05	3.08E-04	1.04E-03	U
AP	SBN	502061002	12/31/2019	Ac-228	1.97E-04	3.58E-04	1.05E-03	U
AP	SBN	502061002	12/31/2019	Ag-108m	1.19E-06	4.58E-05	1.49E-04	U
AP	SBN	502061002	12/31/2019	Ag-110m	-4.78E-05	1.14E-04	3.59E-04	U
AP	SBN	502061002	12/31/2019	Ba-140	-1.69E-02	2.48E-02	7.33E-02	U
AP	SBN	502061002	12/31/2019	Be-7	1.14E-01	7.48E-03	4.46E-03	
AP	SBN	502061002	12/31/2019	Ce-141	-4.33E-04	5.61E-04	1.65E-03	U
AP	SBN	502061002	12/31/2019	Ce-144	8.59E-05	3.75E-04	1.21E-03	U
AP	SBN	502061002	12/31/2019	Co-57	-4.62E-05	4.67E-05	1.39E-04	U
AP	SBN	502061002	12/31/2019	Co-58	8.14E-05	1.29E-04	4.41E-04	U
AP	SBN	502061002	12/31/2019	Co-60	1.41E-04	8.83E-05	3.03E-04	U
AP	SBN	502061002	12/31/2019	Cr-51	-4.48E-03	4.18E-03	1.27E-02	U
AP	SBN	502061002	12/31/2019	Cs-134	8.70E-05	8.10E-05	2.77E-04	U
AP	SBN	502061002	12/31/2019	Cs-137	3.86E-05	6.38E-05	2.19E-04	U
AP	SBN	502061002	12/31/2019	Fe-59	-1.90E-04	5.13E-04	1.43E-03	U
AP	SBN	502061002	12/31/2019	I-131	2.79E-01	1.50E-01	0.00E+00	UI
AP	SBN	502061002	12/31/2019	K-40	1.19E-03	1.08E-03	3.82E-03	U
AP	SBN	502061002	12/31/2019	La-140	-1.18E-02	9.22E-03	2.27E-02	U
AP	SBN	502061002	12/31/2019	Mn-54	2.47E-05	8.04E-05	2.68E-04	U
AP	SBN	502061002	12/31/2019	Nb-95	-3.81E-05	1.86E-04	5.28E-04	U
AP	SBN	502061002	12/31/2019	Ru-103	5.25E-04	5.20E-04	7.63E-04	U
AP	SBN	502061002	12/31/2019	Ru-106	-3.28E-04	5.80E-04	1.86E-03	U
AP	SBN	502061002	12/31/2019	Sb-124	-2.01E-04	3.70E-04	1.09E-03	U
AP	SBN	502061002	12/31/2019	Sb-125	1.10E-05	1.47E-04	4.77E-04	U
AP	SBN	502061002	12/31/2019	Se-75	7.04E-05	1.11E-04	3.80E-04	U
AP	SBN	502061002	12/31/2019	Th-228	4.48E-05	1.15E-04	3.92E-04	U
AP	SBN	502061002	12/31/2019	Zn-65	4.63E-05	2.11E-04	6.34E-04	U
AP	SBN	502061002	12/31/2019	Zr-95	3.84E-04	3.17E-04	1.09E-03	U
AP	DOW	502061003	12/31/2019	Ac-228	-2.42E-04	3.08E-04	9.33E-04	U
AP	DOW	502061003	12/31/2019	Ag-108m	-5.97E-05	5.31E-05	1.53E-04	U
AP	DOW	502061003	12/31/2019	Ag-110m	-7.83E-06	9.82E-05	3.29E-04	U
AP	DOW	502061003	12/31/2019	Ba-140	2.64E-02	2.40E-02	8.33E-02	U
AP	DOW	502061003	12/31/2019	Be-7	1.13E-01	8.10E-03	4.87E-03	
AP	DOW	502061003	12/31/2019	Ce-141	1.93E-04	4.13E-04	1.44E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
AP	DOW	502061003	12/31/2019	Ce-144	4.29E-04	3.42E-04	1.18E-03	U
AP	DOW	502061003	12/31/2019	Co-57	-4.31E-05	4.37E-05	1.24E-04	U
AP	DOW	502061003	12/31/2019	Co-58	-5.06E-06	1.38E-04	4.07E-04	U
AP	DOW	502061003	12/31/2019	Co-60	9.03E-05	6.27E-05	2.40E-04	U
AP	DOW	502061003	12/31/2019	Cr-51	1.55E-03	3.64E-03	1.24E-02	U
AP	DOW	502061003	12/31/2019	Cs-134	1.17E-04	1.20E-04	2.65E-04	U
AP	DOW	502061003	12/31/2019	Cs-137	-1.17E-04	7.43E-05	1.83E-04	U
AP	DOW	502061003	12/31/2019	Fe-59	-2.82E-04	5.29E-04	1.64E-03	U
AP	DOW	502061003	12/31/2019	I-131	8.36E-02	1.17E-01	0.00E+00	UI
AP	DOW	502061003	12/31/2019	K-40	1.95E-03	1.21E-03	2.67E-03	U
AP	DOW	502061003	12/31/2019	La-140	-7.74E-03	1.08E-02	3.03E-02	U
AP	DOW	502061003	12/31/2019	Mn-54	1.22E-05	7.57E-05	2.60E-04	U
AP	DOW	502061003	12/31/2019	Nb-95	3.47E-04	1.86E-04	6.31E-04	U
AP	DOW	502061003	12/31/2019	Ru-103	1.22E-04	2.57E-04	8.62E-04	U
AP	DOW	502061003	12/31/2019	Ru-106	-2.11E-04	5.96E-04	1.84E-03	U
AP	DOW	502061003	12/31/2019	Sb-124	2.98E-04	4.25E-04	1.52E-03	U
AP	DOW	502061003	12/31/2019	Sb-125	-4.89E-05	1.46E-04	4.65E-04	U
AP	DOW	502061003	12/31/2019	Se-75	9.57E-05	1.18E-04	4.03E-04	U
AP	DOW	502061003	12/31/2019	Th-228	6.54E-05	1.52E-04	3.58E-04	U
AP	DOW	502061003	12/31/2019	Zn-65	-3.21E-04	1.79E-04	3.85E-04	U
AP	DOW	502061003	12/31/2019	Zr-95	3.40E-04	2.99E-04	1.02E-03	U
AP	COL	502061004	12/31/2019	Ac-228	7.54E-04	3.56E-04	1.13E-03	U
AP	COL	502061004	12/31/2019	Ag-108m	-5.32E-05	5.30E-05	1.58E-04	U
AP	COL	502061004	12/31/2019	Ag-110m	1.70E-04	1.42E-04	4.02E-04	U
AP	COL	502061004	12/31/2019	Ba-140	2.44E-02	3.11E-02	1.07E-01	U
AP	COL	502061004	12/31/2019	Be-7	9.15E-02	7.49E-03	4.70E-03	
AP	COL	502061004	12/31/2019	Ce-141	-6.08E-04	4.23E-04	1.19E-03	U
AP	COL	502061004	12/31/2019	Ce-144	-3.54E-04	3.18E-04	9.50E-04	U
AP	COL	502061004	12/31/2019	Co-57	5.56E-05	4.38E-05	1.50E-04	U
AP	COL	502061004	12/31/2019	Co-58	-3.12E-05	1.32E-04	4.35E-04	U
AP	COL	502061004	12/31/2019	Co-60	4.59E-05	9.18E-05	3.15E-04	U
AP	COL	502061004	12/31/2019	Cr-51	-9.08E-03	4.24E-03	1.03E-02	U
AP	COL	502061004	12/31/2019	Cs-134	8.32E-05	7.84E-05	2.85E-04	U
AP	COL	502061004	12/31/2019	Cs-137	-5.49E-05	8.00E-05	2.36E-04	U
AP	COL	502061004	12/31/2019	Fe-59	3.94E-04	7.09E-04	2.21E-03	U
AP	COL	502061004	12/31/2019	I-131	1.85E-01	1.42E-01	0.00E+00	UI
AP	COL	502061004	12/31/2019	K-40	3.48E-03	1.31E-03	2.45E-03	UI
AP	COL	502061004	12/31/2019	La-140	9.30E-03	1.01E-02	3.85E-02	U
AP	COL	502061004	12/31/2019	Mn-54	-6.29E-05	8.01E-05	2.43E-04	U
AP	COL	502061004	12/31/2019	Nb-95	-1.27E-04	1.61E-04	4.95E-04	U
AP	COL	502061004	12/31/2019	Ru-103	-1.34E-04	2.58E-04	8.02E-04	U
AP	COL	502061004	12/31/2019	Ru-106	-9.92E-04	8.26E-04	2.26E-03	U
AP	COL	502061004	12/31/2019	Sb-124	-1.12E-05	4.15E-04	1.37E-03	U
AP	COL	502061004	12/31/2019	Sb-125	-7.09E-05	1.84E-04	5.96E-04	U
AP	COL	502061004	12/31/2019	Se-75	5.94E-05	1.28E-04	4.13E-04	U
AP	COL	502061004	12/31/2019	Th-228	-8.00E-05	1.30E-04	3.97E-04	U
AP	COL	502061004	12/31/2019	Zn-65	1.57E-04	2.05E-04	7.27E-04	U
AP	COL	502061004	12/31/2019	Zr-95	-2.74E-04	3.54E-04	1.00E-03	U
AP	ONS-1	502061005	12/31/2019	Ac-228	-6.16E-04	3.64E-04	8.86E-04	U
AP	ONS-1	502061005	12/31/2019	Ag-108m	-9.01E-06	6.83E-05	2.04E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-1	502061005	12/31/2019	Ag-110m	9.71E-05	9.96E-05	3.54E-04	U
AP	ONS-1	502061005	12/31/2019	Ba-140	8.37E-02	3.60E-02	1.16E-01	U
AP	ONS-1	502061005	12/31/2019	Be-7	1.19E-01	8.57E-03	5.63E-03	U
AP	ONS-1	502061005	12/31/2019	Ce-141	8.63E-05	5.13E-04	1.55E-03	U
AP	ONS-1	502061005	12/31/2019	Ce-144	-5.06E-04	3.77E-04	1.07E-03	U
AP	ONS-1	502061005	12/31/2019	Co-57	9.68E-06	4.86E-05	1.60E-04	U
AP	ONS-1	502061005	12/31/2019	Co-58	-2.52E-04	1.78E-04	4.39E-04	U
AP	ONS-1	502061005	12/31/2019	Co-60	-4.23E-05	8.66E-05	2.66E-04	U
AP	ONS-1	502061005	12/31/2019	Cr-51	2.49E-03	4.98E-03	1.74E-02	U
AP	ONS-1	502061005	12/31/2019	Cs-134	2.93E-05	8.56E-05	2.84E-04	U
AP	ONS-1	502061005	12/31/2019	Cs-137	-3.43E-05	7.73E-05	2.40E-04	U
AP	ONS-1	502061005	12/31/2019	Fe-59	1.13E-04	4.56E-04	1.58E-03	U
AP	ONS-1	502061005	12/31/2019	I-131	3.44E-01	1.77E-01	0.00E+00	UI
AP	ONS-1	502061005	12/31/2019	K-40	8.97E-04	1.39E-03	2.71E-03	U
AP	ONS-1	502061005	12/31/2019	La-140	1.22E-02	9.09E-03	3.60E-02	U
AP	ONS-1	502061005	12/31/2019	Mn-54	-7.31E-05	9.44E-05	2.72E-04	U
AP	ONS-1	502061005	12/31/2019	Nb-95	2.57E-04	2.12E-04	7.28E-04	U
AP	ONS-1	502061005	12/31/2019	Ru-103	-6.96E-05	2.88E-04	9.39E-04	U
AP	ONS-1	502061005	12/31/2019	Ru-106	-8.44E-04	7.69E-04	2.18E-03	U
AP	ONS-1	502061005	12/31/2019	Sb-124	6.95E-04	5.56E-04	2.06E-03	U
AP	ONS-1	502061005	12/31/2019	Sb-125	-9.14E-05	1.97E-04	5.65E-04	U
AP	ONS-1	502061005	12/31/2019	Se-75	-9.94E-05	1.37E-04	4.03E-04	U
AP	ONS-1	502061005	12/31/2019	Th-228	2.96E-05	2.15E-04	3.97E-04	U
AP	ONS-1	502061005	12/31/2019	Zn-65	3.45E-05	2.27E-04	7.75E-04	U
AP	ONS-1	502061005	12/31/2019	Zr-95	2.09E-04	2.62E-04	9.15E-04	U
AP	ONS-2	502061006	12/31/2019	Ac-228	7.26E-04	3.02E-04	9.61E-04	U
AP	ONS-2	502061006	12/31/2019	Ag-108m	4.26E-05	3.94E-05	1.34E-04	U
AP	ONS-2	502061006	12/31/2019	Ag-110m	-3.05E-05	8.84E-05	2.86E-04	U
AP	ONS-2	502061006	12/31/2019	Ba-140	-1.06E-02	2.41E-02	7.50E-02	U
AP	ONS-2	502061006	12/31/2019	Be-7	1.11E-01	6.70E-03	4.17E-03	U
AP	ONS-2	502061006	12/31/2019	Ce-141	-2.12E-04	3.79E-04	1.18E-03	U
AP	ONS-2	502061006	12/31/2019	Ce-144	-4.41E-05	2.74E-04	8.79E-04	U
AP	ONS-2	502061006	12/31/2019	Co-57	-2.26E-05	3.37E-05	1.05E-04	U
AP	ONS-2	502061006	12/31/2019	Co-58	-1.24E-04	1.24E-04	3.75E-04	U
AP	ONS-2	502061006	12/31/2019	Co-60	6.41E-05	7.54E-05	2.55E-04	U
AP	ONS-2	502061006	12/31/2019	Cr-51	8.07E-03	3.96E-03	1.28E-02	U
AP	ONS-2	502061006	12/31/2019	Cs-134	8.86E-05	6.78E-05	2.35E-04	U
AP	ONS-2	502061006	12/31/2019	Cs-137	7.90E-05	6.07E-05	2.00E-04	U
AP	ONS-2	502061006	12/31/2019	Fe-59	-8.38E-04	5.16E-04	1.32E-03	U
AP	ONS-2	502061006	12/31/2019	I-131	-1.75E-01	1.37E-01	0.00E+00	U
AP	ONS-2	502061006	12/31/2019	K-40	1.16E-03	1.58E-03	1.88E-03	U
AP	ONS-2	502061006	12/31/2019	La-140	2.20E-02	1.32E-02	4.63E-02	U
AP	ONS-2	502061006	12/31/2019	Mn-54	-4.58E-05	6.06E-05	1.88E-04	U
AP	ONS-2	502061006	12/31/2019	Nb-95	7.08E-05	1.27E-04	4.39E-04	U
AP	ONS-2	502061006	12/31/2019	Ru-103	9.34E-05	2.20E-04	7.30E-04	U
AP	ONS-2	502061006	12/31/2019	Ru-106	-1.76E-04	5.47E-04	1.70E-03	U
AP	ONS-2	502061006	12/31/2019	Sb-124	-3.05E-04	4.45E-04	1.36E-03	U
AP	ONS-2	502061006	12/31/2019	Sb-125	2.98E-04	2.45E-04	4.64E-04	U
AP	ONS-2	502061006	12/31/2019	Se-75	-3.03E-06	9.22E-05	3.14E-04	U
AP	ONS-2	502061006	12/31/2019	Th-228	3.98E-04	2.06E-04	3.14E-04	UI



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-2	502061006	12/31/2019	Zn-65	-2.63E-05	2.03E-04	5.70E-04	U
AP	ONS-2	502061006	12/31/2019	Zr-95	9.47E-05	2.91E-04	8.87E-04	U
AP	ONS-3	502061007	12/31/2019	Ac-228	1.09E-03	6.45E-04	1.04E-03	UI
AP	ONS-3	502061007	12/31/2019	Ag-108m	4.10E-06	6.61E-05	2.17E-04	U
AP	ONS-3	502061007	12/31/2019	Ag-110m	-1.17E-04	1.57E-04	4.76E-04	U
AP	ONS-3	502061007	12/31/2019	Ba-140	4.75E-02	3.83E-02	1.30E-01	U
AP	ONS-3	502061007	12/31/2019	Be-7	9.66E-02	8.04E-03	5.89E-03	
AP	ONS-3	502061007	12/31/2019	Ce-141	-8.76E-04	6.56E-04	1.77E-03	U
AP	ONS-3	502061007	12/31/2019	Ce-144	-5.12E-04	4.51E-04	1.28E-03	U
AP	ONS-3	502061007	12/31/2019	Co-57	-3.77E-05	5.76E-05	1.74E-04	U
AP	ONS-3	502061007	12/31/2019	Co-58	1.00E-04	1.74E-04	6.10E-04	U
AP	ONS-3	502061007	12/31/2019	Co-60	-7.69E-05	1.08E-04	3.04E-04	U
AP	ONS-3	502061007	12/31/2019	Cr-51	5.62E-03	5.12E-03	1.76E-02	U
AP	ONS-3	502061007	12/31/2019	Cs-134	1.25E-05	7.97E-05	2.71E-04	U
AP	ONS-3	502061007	12/31/2019	Cs-137	3.40E-05	9.97E-05	3.28E-04	U
AP	ONS-3	502061007	12/31/2019	Fe-59	-4.51E-04	4.93E-04	1.30E-03	U
AP	ONS-3	502061007	12/31/2019	I-131	-8.13E-02	1.60E-01	0.00E+00	U
AP	ONS-3	502061007	12/31/2019	K-40	1.97E-03	1.87E-03	2.34E-03	U
AP	ONS-3	502061007	12/31/2019	La-140	-2.05E-02	1.53E-02	3.80E-02	U
AP	ONS-3	502061007	12/31/2019	Mn-54	-5.71E-05	8.27E-05	2.50E-04	U
AP	ONS-3	502061007	12/31/2019	Nb-95	2.56E-04	2.03E-04	6.78E-04	U
AP	ONS-3	502061007	12/31/2019	Ru-103	5.28E-04	3.50E-04	1.19E-03	U
AP	ONS-3	502061007	12/31/2019	Ru-106	7.42E-04	8.86E-04	2.97E-03	U
AP	ONS-3	502061007	12/31/2019	Sb-124	3.85E-04	4.58E-04	1.73E-03	U
AP	ONS-3	502061007	12/31/2019	Sb-125	-1.51E-04	2.11E-04	6.40E-04	U
AP	ONS-3	502061007	12/31/2019	Se-75	-2.40E-04	1.64E-04	4.48E-04	U
AP	ONS-3	502061007	12/31/2019	Th-228	5.43E-04	2.93E-04	3.50E-04	UI
AP	ONS-3	502061007	12/31/2019	Zn-65	1.63E-04	2.63E-04	9.05E-04	U
AP	ONS-3	502061007	12/31/2019	Zr-95	-1.63E-04	3.68E-04	1.01E-03	U
AP	ONS-4	502061008	12/31/2019	Ac-228	5.43E-05	3.07E-04	1.04E-03	U
AP	ONS-4	502061008	12/31/2019	Ag-108m	2.32E-05	5.63E-05	1.93E-04	U
AP	ONS-4	502061008	12/31/2019	Ag-110m	-7.04E-05	1.31E-04	3.88E-04	U
AP	ONS-4	502061008	12/31/2019	Ba-140	-1.01E-02	2.59E-02	8.19E-02	U
AP	ONS-4	502061008	12/31/2019	Be-7	1.14E-01	7.99E-03	5.10E-03	
AP	ONS-4	502061008	12/31/2019	Ce-141	-9.91E-05	4.83E-04	1.36E-03	U
AP	ONS-4	502061008	12/31/2019	Ce-144	4.93E-04	3.53E-04	1.16E-03	U
AP	ONS-4	502061008	12/31/2019	Co-57	4.33E-06	4.41E-05	1.42E-04	U
AP	ONS-4	502061008	12/31/2019	Co-58	1.88E-04	1.67E-04	5.45E-04	U
AP	ONS-4	502061008	12/31/2019	Co-60	1.72E-05	8.14E-05	2.79E-04	U
AP	ONS-4	502061008	12/31/2019	Cr-51	8.52E-03	4.94E-03	1.69E-02	U
AP	ONS-4	502061008	12/31/2019	Cs-134	-1.21E-04	9.83E-05	2.45E-04	U
AP	ONS-4	502061008	12/31/2019	Cs-137	-4.19E-05	6.06E-05	1.78E-04	U
AP	ONS-4	502061008	12/31/2019	Fe-59	6.27E-04	5.46E-04	2.01E-03	U
AP	ONS-4	502061008	12/31/2019	I-131	1.02E-02	1.51E-01	0.00E+00	UI
AP	ONS-4	502061008	12/31/2019	K-40	-1.88E-03	1.20E-03	3.69E-03	U
AP	ONS-4	502061008	12/31/2019	La-140	7.42E-03	1.32E-02	4.64E-02	U
AP	ONS-4	502061008	12/31/2019	Mn-54	1.94E-06	8.20E-05	2.35E-04	U
AP	ONS-4	502061008	12/31/2019	Nb-95	3.60E-04	2.03E-04	7.04E-04	U
AP	ONS-4	502061008	12/31/2019	Ru-103	1.24E-04	2.69E-04	9.20E-04	U
AP	ONS-4	502061008	12/31/2019	Ru-106	-7.72E-04	7.72E-04	2.23E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-4	502061008	12/31/2019	Sb-124	5.29E-04	5.19E-04	1.92E-03	U
AP	ONS-4	502061008	12/31/2019	Sb-125	2.14E-04	2.23E-04	6.38E-04	U
AP	ONS-4	502061008	12/31/2019	Se-75	1.93E-04	1.31E-04	4.52E-04	U
AP	ONS-4	502061008	12/31/2019	Th-228	-9.35E-05	1.83E-04	6.32E-04	U
AP	ONS-4	502061008	12/31/2019	Zn-65	-3.01E-05	2.19E-04	7.29E-04	U
AP	ONS-4	502061008	12/31/2019	Zr-95	-5.03E-04	2.83E-04	5.75E-04	U
AP	ONS-5	502061009	12/31/2019	Ac-228	5.40E-04	3.57E-04	1.31E-03	U
AP	ONS-5	502061009	12/31/2019	Ag-108m	-4.43E-05	7.19E-05	2.20E-04	U
AP	ONS-5	502061009	12/31/2019	Ag-110m	2.96E-05	1.13E-04	3.71E-04	U
AP	ONS-5	502061009	12/31/2019	Ba-140	-2.71E-02	4.04E-02	1.20E-01	U
AP	ONS-5	502061009	12/31/2019	Be-7	1.04E-01	8.15E-03	5.84E-03	
AP	ONS-5	502061009	12/31/2019	Ce-141	8.27E-04	5.98E-04	2.03E-03	U
AP	ONS-5	502061009	12/31/2019	Ce-144	4.64E-04	4.65E-04	1.60E-03	U
AP	ONS-5	502061009	12/31/2019	Co-57	-1.90E-05	6.15E-05	2.08E-04	U
AP	ONS-5	502061009	12/31/2019	Co-58	6.22E-05	2.01E-04	6.80E-04	U
AP	ONS-5	502061009	12/31/2019	Co-60	2.36E-05	7.95E-05	2.78E-04	U
AP	ONS-5	502061009	12/31/2019	Cr-51	3.72E-03	5.31E-03	1.78E-02	U
AP	ONS-5	502061009	12/31/2019	Cs-134	1.62E-04	1.14E-04	3.95E-04	U
AP	ONS-5	502061009	12/31/2019	Cs-137	5.18E-05	8.44E-05	2.93E-04	U
AP	ONS-5	502061009	12/31/2019	Fe-59	7.11E-04	5.37E-04	1.95E-03	U
AP	ONS-5	502061009	12/31/2019	I-131	6.03E-02	1.72E-01	0.00E+00	UI
AP	ONS-5	502061009	12/31/2019	K-40	1.63E-03	1.44E-03	5.01E-03	U
AP	ONS-5	502061009	12/31/2019	La-140	-1.06E-02	1.25E-02	3.51E-02	U
AP	ONS-5	502061009	12/31/2019	Mn-54	-1.05E-04	9.84E-05	2.83E-04	U
AP	ONS-5	502061009	12/31/2019	Nb-95	-3.01E-04	2.32E-04	6.58E-04	U
AP	ONS-5	502061009	12/31/2019	Ru-103	-1.83E-05	3.38E-04	9.50E-04	U
AP	ONS-5	502061009	12/31/2019	Ru-106	4.46E-04	8.04E-04	2.80E-03	U
AP	ONS-5	502061009	12/31/2019	Sb-124	6.66E-04	5.83E-04	2.15E-03	U
AP	ONS-5	502061009	12/31/2019	Sb-125	-6.20E-05	2.10E-04	6.61E-04	U
AP	ONS-5	502061009	12/31/2019	Se-75	1.52E-04	1.52E-04	5.12E-04	U
AP	ONS-5	502061009	12/31/2019	Th-228	2.31E-04	2.53E-04	5.24E-04	U
AP	ONS-5	502061009	12/31/2019	Zn-65	1.99E-04	2.08E-04	7.36E-04	U
AP	ONS-5	502061009	12/31/2019	Zr-95	-4.11E-05	3.13E-04	1.03E-03	U
AP	ONS-6	502061010	12/31/2019	Ac-228	4.70E-04	3.08E-04	1.11E-03	U
AP	ONS-6	502061010	12/31/2019	Ag-108m	-4.83E-05	5.57E-05	1.71E-04	U
AP	ONS-6	502061010	12/31/2019	Ag-110m	1.21E-04	1.31E-04	4.47E-04	U
AP	ONS-6	502061010	12/31/2019	Ba-140	5.46E-02	2.97E-02	1.03E-01	U
AP	ONS-6	502061010	12/31/2019	Be-7	1.17E-01	7.77E-03	4.06E-03	
AP	ONS-6	502061010	12/31/2019	Ce-141	2.57E-05	6.62E-04	1.35E-03	U
AP	ONS-6	502061010	12/31/2019	Ce-144	1.97E-04	3.04E-04	1.01E-03	U
AP	ONS-6	502061010	12/31/2019	Co-57	3.31E-05	3.98E-05	1.32E-04	U
AP	ONS-6	502061010	12/31/2019	Co-58	2.51E-04	3.35E-04	4.77E-04	U
AP	ONS-6	502061010	12/31/2019	Co-60	4.64E-05	8.57E-05	3.00E-04	U
AP	ONS-6	502061010	12/31/2019	Cr-51	-3.39E-03	4.11E-03	1.31E-02	U
AP	ONS-6	502061010	12/31/2019	Cs-134	7.20E-05	7.74E-05	2.68E-04	U
AP	ONS-6	502061010	12/31/2019	Cs-137	9.83E-05	8.14E-05	2.79E-04	U
AP	ONS-6	502061010	12/31/2019	Fe-59	5.46E-04	5.46E-04	1.86E-03	U
AP	ONS-6	502061010	12/31/2019	I-131	8.70E-03	1.39E-01	0.00E+00	UI
AP	ONS-6	502061010	12/31/2019	K-40	1.76E-03	1.03E-03	1.34E-03	UI
AP	ONS-6	502061010	12/31/2019	La-140	-2.27E-02	1.64E-02	4.01E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
AP	ONS-6	502061010	12/31/2019	Mn-54	-2.28E-04	1.20E-04	2.03E-04	U
AP	ONS-6	502061010	12/31/2019	Nb-95	-2.04E-04	2.19E-04	6.03E-04	U
AP	ONS-6	502061010	12/31/2019	Ru-103	3.79E-04	3.22E-04	1.06E-03	U
AP	ONS-6	502061010	12/31/2019	Ru-106	-7.04E-04	6.53E-04	1.82E-03	U
AP	ONS-6	502061010	12/31/2019	Sb-124	-5.48E-04	4.69E-04	1.06E-03	U
AP	ONS-6	502061010	12/31/2019	Sb-125	-8.19E-05	1.88E-04	6.10E-04	U
AP	ONS-6	502061010	12/31/2019	Se-75	-5.58E-05	1.26E-04	3.78E-04	U
AP	ONS-6	502061010	12/31/2019	Th-228	3.87E-05	1.12E-04	3.32E-04	U
AP	ONS-6	502061010	12/31/2019	Zn-65	1.06E-04	2.33E-04	8.07E-04	U
AP	ONS-6	502061010	12/31/2019	Zr-95	6.53E-05	3.36E-04	1.10E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
CF	NBF	468038012	1/2/2019	I-131	-2.46E-03	3.14E-03	9.27E-03	U
CF	SBN	468038013	1/2/2019	I-131	-2.60E-03	3.11E-03	9.33E-03	U
CF	DOW	468038014	1/2/2019	I-131	8.79E-04	3.68E-03	1.23E-02	U
CF	COL	468038015	1/2/2019	I-131	-1.00E-03	2.83E-03	8.99E-03	U
CF	ONS-1	468038016	1/2/2019	I-131	-8.92E-04	3.90E-03	1.25E-02	U
CF	ONS-2	468038017	1/2/2019	I-131	-3.91E-03	2.96E-03	7.29E-03	U
CF	ONS-3	468038018	1/2/2019	I-131	2.30E-03	2.86E-03	1.06E-02	U
CF	ONS-4	468038019	1/2/2019	I-131	-3.51E-03	2.14E-03	4.21E-03	U
CF	ONS-5	468038020	1/2/2019	I-131	-1.90E-03	2.90E-03	8.81E-03	U
CF	ONS-6	468038021	1/2/2019	I-131	-2.52E-03	2.66E-03	7.50E-03	U
CF	NBF	468794012	1/9/2019	I-131	2.67E-03	3.89E-03	1.48E-02	U
CF	SBN	468794013	1/9/2019	I-131	-1.96E-03	7.40E-03	2.35E-02	U
CF	DOW	468794014	1/9/2019	I-131	-3.71E-03	3.08E-03	6.72E-03	U
CF	COL	468794015	1/9/2019	I-131	-1.78E-03	5.46E-03	1.70E-02	U
CF	ONS-1	468794016	1/9/2019	I-131	5.60E-03	4.65E-03	1.74E-02	U
CF	ONS-2	468794017	1/9/2019	I-131	-9.32E-03	4.70E-03	0.00E+00	U
CF	ONS-3	468794018	1/9/2019	I-131	2.82E-03	4.10E-03	1.50E-02	U
CF	ONS-4	468794019	1/9/2019	I-131	-1.73E-03	3.81E-03	1.13E-02	U
CF	ONS-5	468794020	1/9/2019	I-131	-1.27E-03	2.40E-03	6.65E-03	U
CF	ONS-6	468794021	1/9/2019	I-131	6.68E-03	3.76E-03	1.59E-02	U
CF	NBF	469304012	1/16/2019	I-131	-3.64E-03	3.47E-03	9.45E-03	U
CF	SBN	469304013	1/16/2019	I-131	1.20E-03	2.39E-03	8.50E-03	U
CF	DOW	469304014	1/16/2019	I-131	2.68E-03	3.70E-03	1.25E-02	U
CF	COL	469304015	1/16/2019	I-131	-1.04E-03	4.10E-03	1.30E-02	U
CF	ONS-1	469304016	1/16/2019	I-131	-2.25E-03	2.68E-03	7.86E-03	U
CF	ONS-2	469304017	1/16/2019	I-131	5.73E-04	2.99E-03	9.96E-03	U
CF	ONS-3	469304018	1/16/2019	I-131	-7.66E-04	2.43E-03	7.71E-03	U
CF	ONS-4	469304019	1/16/2019	I-131	-9.43E-04	3.79E-03	1.21E-02	U
CF	ONS-5	469304020	1/16/2019	I-131	3.96E-03	3.59E-03	1.30E-02	U
CF	ONS-6	469304021	1/16/2019	I-131	1.48E-03	2.84E-03	1.00E-02	U
CF	NBF	469889012	1/23/2019	I-131	2.02E-03	3.16E-03	1.11E-02	U
CF	SBN	469889013	1/23/2019	I-131	-2.15E-03	2.97E-03	7.64E-03	U
CF	DOW	469889014	1/23/2019	I-131	-6.35E-03	4.02E-03	9.40E-03	U
CF	COL	469889015	1/23/2019	I-131	5.80E-04	2.15E-03	7.53E-03	U
CF	ONS-1	469889016	1/23/2019	I-131	2.55E-03	2.83E-03	1.03E-02	U
CF	ONS-2	469889017	1/23/2019	I-131	6.33E-03	3.63E-03	1.31E-02	U
CF	ONS-3	469889018	1/23/2019	I-131	2.09E-03	3.00E-03	1.05E-02	U
CF	ONS-4	469889019	1/23/2019	I-131	-1.15E-03	2.81E-03	8.92E-03	U
CF	ONS-5	469889020	1/23/2019	I-131	-8.29E-04	2.57E-03	8.28E-03	U
CF	ONS-6	469889021	1/23/2019	I-131	3.51E-04	2.46E-03	8.33E-03	U
CF	NBF	470343012	1/29/2019	I-131	-5.32E-04	3.11E-03	1.01E-02	U
CF	SBN	470343013	1/29/2019	I-131	1.65E-03	2.48E-03	8.13E-03	U
CF	DOW	470343014	1/29/2019	I-131	8.31E-03	3.94E-03	1.40E-02	U
CF	COL	470343015	1/29/2019	I-131	1.16E-03	3.64E-03	1.22E-02	U
CF	ONS-1	470343016	1/29/2019	I-131	-3.48E-03	3.48E-03	1.04E-02	U
CF	ONS-2	470343017	1/29/2019	I-131	6.04E-03	4.27E-03	1.52E-02	U
CF	ONS-3	470343018	1/29/2019	I-131	-2.58E-03	3.40E-03	1.02E-02	U
CF	ONS-4	470343019	1/29/2019	I-131	3.71E-03	3.07E-03	1.14E-02	U
CF	ONS-5	470343020	1/29/2019	I-131	-1.72E-03	3.90E-03	1.23E-02	U
CF	ONS-6	470343021	1/29/2019	I-131	-7.46E-04	3.21E-03	1.03E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
CF	NBF	470949012	2/6/2019	I-131	-2.13E-03	2.97E-03	8.97E-03	U
CF	SBN	470949013	2/6/2019	I-131	-1.32E-03	1.60E-03	4.19E-03	U
CF	DOW	470949014	2/6/2019	I-131	4.11E-03	3.65E-03	6.72E-03	U
CF	COL	470949015	2/6/2019	I-131	3.87E-03	2.57E-03	9.44E-03	U
CF	ONS-1	470949016	2/6/2019	I-131	-1.54E-03	2.41E-03	7.51E-03	U
CF	ONS-2	470949017	2/6/2019	I-131	2.55E-03	2.33E-03	8.70E-03	U
CF	ONS-3	470949018	2/6/2019	I-131	4.85E-05	2.51E-03	8.26E-03	U
CF	ONS-4	470949019	2/6/2019	I-131	-6.33E-04	2.29E-03	7.19E-03	U
CF	ONS-5	470949020	2/6/2019	I-131	8.14E-03	3.09E-03	1.14E-02	U
CF	ONS-6	470949021	2/6/2019	I-131	-1.46E-03	2.83E-03	8.86E-03	U
CF	NBF	471452012	2/13/2019	I-131	-3.52E-03	2.93E-03	7.30E-03	U
CF	SBN	471452013	2/13/2019	I-131	3.74E-03	2.86E-03	1.06E-02	U
CF	DOW	471452014	2/13/2019	I-131	1.86E-03	2.83E-03	9.29E-03	U
CF	COL	471452015	2/13/2019	I-131	1.21E-03	2.41E-03	8.49E-03	U
CF	ONS-1	471452016	2/13/2019	I-131	-1.50E-03	2.42E-03	7.19E-03	U
CF	ONS-2	471452017	2/13/2019	I-131	1.19E-03	2.59E-03	9.17E-03	U
CF	ONS-3	471452018	2/13/2019	I-131	1.83E-03	2.92E-03	1.03E-02	U
CF	ONS-4	471452019	2/13/2019	I-131	6.38E-03	3.36E-03	1.23E-02	U
CF	ONS-5	471452020	2/13/2019	I-131	3.74E-04	2.86E-03	9.89E-03	U
CF	ONS-6	471452021	2/13/2019	I-131	-1.00E-03	1.34E-03	3.61E-03	U
CF	NBF	472003012	2/20/2019	I-131	-5.98E-03	5.15E-03	1.33E-02	U
CF	SBN	472003013	2/20/2019	I-131	4.05E-04	4.11E-03	1.41E-02	U
CF	DOW	472003014	2/20/2019	I-131	1.24E-02	5.27E-03	2.05E-02	U
CF	COL	472003015	2/20/2019	I-131	6.66E-03	4.80E-03	1.80E-02	U
CF	ONS-1	472003016	2/20/2019	I-131	-4.22E-03	4.66E-03	1.01E-02	U
CF	ONS-2	472003017	2/20/2019	I-131	-4.81E-04	4.87E-03	1.61E-02	U
CF	ONS-3	472003018	2/20/2019	I-131	7.68E-03	3.61E-03	1.46E-02	U
CF	ONS-4	472003019	2/20/2019	I-131	1.01E-03	3.60E-03	1.28E-02	U
CF	ONS-5	472003020	2/20/2019	I-131	5.26E-04	3.01E-03	1.06E-02	U
CF	ONS-6	472003021	2/20/2019	I-131	-6.58E-04	5.07E-03	1.69E-02	U
CF	NBF	472534012	2/27/2019	I-131	-2.70E-03	3.31E-03	9.50E-03	U
CF	SBN	472534013	2/27/2019	I-131	-4.29E-03	3.96E-03	1.06E-02	U
CF	DOW	472534014	2/27/2019	I-131	-1.61E-03	2.94E-03	9.19E-03	U
CF	COL	472534015	2/27/2019	I-131	1.99E-03	2.66E-03	9.61E-03	U
CF	ONS-1	472534016	2/27/2019	I-131	4.26E-03	3.09E-03	1.10E-02	U
CF	ONS-2	472534017	2/27/2019	I-131	2.29E-03	2.08E-03	7.91E-03	U
CF	ONS-3	472534018	2/27/2019	I-131	-5.92E-03	3.33E-03	4.84E-03	U
CF	ONS-4	472534019	2/27/2019	I-131	-2.38E-03	1.98E-03	4.33E-03	U
CF	ONS-5	472534020	2/27/2019	I-131	2.32E-03	3.09E-03	1.10E-02	U
CF	ONS-6	472534021	2/27/2019	I-131	1.05E-03	2.01E-03	7.35E-03	U
CF	NBF	473118012	3/6/2019	I-131	-2.30E-03	3.68E-03	9.46E-03	U
CF	SBN	473118013	3/6/2019	I-131	9.21E-04	3.24E-03	1.13E-02	U
CF	DOW	473118014	3/6/2019	I-131	-7.13E-03	3.90E-03	6.60E-03	U
CF	COL	473118015	3/6/2019	I-131	-2.45E-03	4.21E-03	1.27E-02	U
CF	ONS-1	473118016	3/6/2019	I-131	1.75E-03	1.80E-03	8.17E-03	U
CF	ONS-2	473118017	3/6/2019	I-131	-1.36E-05	2.36E-03	7.80E-03	U
CF	ONS-3	473118018	3/6/2019	I-131	2.38E-03	4.17E-03	1.52E-02	U
CF	ONS-4	473118019	3/6/2019	I-131	2.27E-03	4.69E-03	1.67E-02	U
CF	ONS-5	473118020	3/6/2019	I-131	-6.67E-03	4.24E-03	6.68E-03	U
CF	ONS-6	473118021	3/6/2019	I-131	-2.36E-03	2.49E-03	5.84E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	473771012	3/13/2019	I-131	-3.11E-03	6.19E-03	1.89E-02	U
CF	SBN	473771013	3/13/2019	I-131	3.05E-03	6.08E-03	2.15E-02	U
CF	DOW	473771014	3/13/2019	I-131	3.52E-03	5.67E-03	1.99E-02	U
CF	COL	473771015	3/13/2019	I-131	3.11E-03	3.61E-03	1.38E-02	U
CF	ONS-1	473771016	3/13/2019	I-131	2.33E-03	3.71E-03	1.33E-02	U
CF	ONS-2	473771017	3/13/2019	I-131	4.77E-04	5.74E-03	1.87E-02	U
CF	ONS-3	473771018	3/13/2019	I-131	6.87E-03	7.79E-03	2.93E-02	U
CF	ONS-4	473771019	3/13/2019	I-131	1.41E-03	4.72E-03	1.63E-02	U
CF	ONS-5	473771020	3/13/2019	I-131	-4.53E-03	3.42E-03	6.70E-03	U
CF	ONS-6	473771021	3/13/2019	I-131	3.37E-03	3.53E-03	1.39E-02	U
CF	NBF	474343012	3/20/2019	I-131	6.39E-03	3.57E-03	1.51E-02	U
CF	SBN	474343013	3/20/2019	I-131	3.59E-03	3.93E-03	1.52E-02	U
CF	DOW	474343014	3/20/2019	I-131	2.09E-03	3.76E-03	1.40E-02	U
CF	COL	474343015	3/20/2019	I-131	6.61E-03	3.71E-03	1.57E-02	U
CF	ONS-1	474343016	3/20/2019	I-131	2.67E-03	4.69E-03	1.65E-02	U
CF	ONS-2	474343017	3/20/2019	I-131	3.56E-03	6.56E-03	2.30E-02	U
CF	ONS-3	474343018	3/20/2019	I-131	2.20E-03	4.22E-03	1.55E-02	U
CF	ONS-4	474343019	3/20/2019	I-131	6.75E-03	4.61E-03	1.81E-02	U
CF	ONS-5	474343020	3/20/2019	I-131	9.94E-04	4.33E-03	1.53E-02	U
CF	ONS-6	474343021	3/20/2019	I-131	-3.90E-03	7.05E-03	2.13E-02	U
CF	NBF	474876012	3/27/2019	I-131	-3.19E-04	5.22E-03	1.72E-02	U
CF	SBN	474876013	3/27/2019	I-131	-2.35E-03	3.59E-03	1.00E-02	U
CF	DOW	474876014	3/27/2019	I-131	9.74E-04	5.44E-03	1.86E-02	U
CF	COL	474876015	3/27/2019	I-131	1.44E-02	4.59E-03	1.05E-02	UI
CF	ONS-1	474876016	3/27/2019	I-131	-3.99E-03	4.39E-03	9.30E-03	U
CF	ONS-2	474876017	3/27/2019	I-131	7.25E-03	5.22E-03	1.92E-02	U
CF	ONS-3	474876018	3/27/2019	I-131	-9.03E-04	7.52E-03	2.16E-02	U
CF	ONS-4	474876019	3/27/2019	I-131	1.56E-03	4.75E-03	1.65E-02	U
CF	ONS-5	474876020	3/27/2019	I-131	3.34E-03	4.30E-03	1.63E-02	U
CF	ONS-6	474876021	3/27/2019	I-131	5.92E-03	4.39E-03	1.77E-02	U
CF	NBF	475441012	4/3/2019	I-131	7.31E-04	2.18E-03	7.63E-03	U
CF	SBN	475441013	4/3/2019	I-131	1.10E-03	2.35E-03	8.42E-03	U
CF	DOW	475441014	4/3/2019	I-131	-3.80E-04	2.84E-03	9.20E-03	U
CF	COL	475441015	4/3/2019	I-131	3.20E-03	2.45E-03	9.59E-03	U
CF	ONS-1	475441016	4/3/2019	I-131	-1.42E-03	3.33E-03	1.03E-02	U
CF	ONS-2	475441017	4/3/2019	I-131	3.09E-03	4.54E-03	1.57E-02	U
CF	ONS-3	475441018	4/3/2019	I-131	-6.74E-03	3.46E-03	7.88E-03	U
CF	ONS-4	475441019	4/3/2019	I-131	-3.57E-03	3.58E-03	9.95E-03	U
CF	ONS-5	475441020	4/3/2019	I-131	2.17E-03	2.47E-03	9.02E-03	U
CF	ONS-6	475441021	4/3/2019	I-131	5.40E-03	3.41E-03	1.26E-02	U
CF	NBF	476342012	4/10/2019	I-131	3.79E-03	4.73E-03	1.78E-02	U
CF	SBN	476342013	4/10/2019	I-131	-2.88E-03	4.53E-03	1.31E-02	U
CF	DOW	476342014	4/10/2019	I-131	-6.66E-03	5.18E-03	1.05E-02	U
CF	COL	476342015	4/10/2019	I-131	1.91E-03	3.42E-03	1.28E-02	U
CF	ONS-1	476342016	4/10/2019	I-131	4.75E-04	3.61E-03	1.22E-02	U
CF	ONS-2	476342017	4/10/2019	I-131	-8.43E-03	5.50E-03	1.14E-02	U
CF	ONS-3	476342018	4/10/2019	I-131	-4.42E-03	4.58E-03	1.21E-02	U
CF	ONS-4	476342019	4/10/2019	I-131	1.90E-03	3.91E-03	1.42E-02	U
CF	ONS-5	476342020	4/10/2019	I-131	1.88E-03	4.77E-03	1.72E-02	U
CF	ONS-6	476342021	4/10/2019	I-131	-6.69E-05	4.05E-03	1.34E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	476958012	4/17/2019	I-131	-5.63E-04	2.74E-03	7.76E-03	U
CF	SBN	476958013	4/17/2019	I-131	-3.71E-03	2.43E-03	6.28E-03	U
CF	DOW	476958014	4/17/2019	I-131	4.64E-03	2.80E-03	9.88E-03	U
CF	COL	476958015	4/17/2019	I-131	1.23E-03	3.37E-03	1.17E-02	U
CF	ONS-1	476958016	4/17/2019	I-131	-1.78E-03	2.66E-03	7.97E-03	U
CF	ONS-2	476958017	4/17/2019	I-131	-3.47E-03	2.84E-03	7.99E-03	U
CF	ONS-3	476958018	4/17/2019	I-131	2.44E-03	2.51E-03	8.97E-03	U
CF	ONS-4	476958019	4/17/2019	I-131	-1.40E-05	2.01E-03	6.87E-03	U
CF	ONS-5	476958020	4/17/2019	I-131	-6.53E-04	2.58E-03	8.54E-03	U
CF	ONS-6	476958021	4/17/2019	I-131	-8.46E-04	2.63E-03	8.43E-03	U
CF	NBF	477553012	4/24/2019	I-131	2.04E-03	4.28E-03	1.47E-02	U
CF	SBN	477553013	4/24/2019	I-131	2.31E-03	4.07E-03	1.46E-02	U
CF	DOW	477553014	4/24/2019	I-131	8.86E-03	5.06E-03	1.92E-02	U
CF	COL	477553015	4/24/2019	I-131	-6.48E-03	4.43E-03	1.06E-02	U
CF	ONS-1	477553016	4/24/2019	I-131	-3.66E-03	3.75E-03	1.05E-02	U
CF	ONS-2	477553017	4/24/2019	I-131	-2.98E-03	3.55E-03	1.04E-02	U
CF	ONS-3	477553018	4/24/2019	I-131	3.35E-03	3.18E-03	1.24E-02	U
CF	ONS-4	477553019	4/24/2019	I-131	-1.46E-03	5.32E-03	1.74E-02	U
CF	ONS-5	477553020	4/24/2019	I-131	2.88E-03	5.99E-03	2.17E-02	U
CF	ONS-6	477553021	4/24/2019	I-131	-4.39E-03	3.50E-03	8.94E-03	U
CF	NBF	478260012	5/1/2019	I-131	6.16E-03	5.71E-03	1.33E-02	U
CF	SBN	478260013	5/1/2019	I-131	-2.17E-03	2.30E-03	6.09E-03	U
CF	DOW	478260014	5/1/2019	I-131	3.60E-03	3.02E-03	1.15E-02	U
CF	COL	478260015	5/1/2019	I-131	-4.07E-03	3.22E-03	8.57E-03	U
CF	ONS-1	478260016	5/1/2019	I-131	-2.65E-03	3.25E-03	9.70E-03	U
CF	ONS-2	478260017	5/1/2019	I-131	5.73E-04	2.27E-03	8.03E-03	U
CF	ONS-3	478260018	5/1/2019	I-131	7.98E-03	5.74E-03	2.14E-02	U
CF	ONS-4	478260019	5/1/2019	I-131	-1.10E-03	3.15E-03	1.02E-02	U
CF	ONS-5	478260020	5/1/2019	I-131	4.70E-05	2.98E-03	9.92E-03	U
CF	ONS-6	478260021	5/1/2019	I-131	3.82E-03	3.03E-03	1.14E-02	U
CF	NBF	478962012	5/8/2019	I-131	-6.11E-04	4.75E-03	1.56E-02	U
CF	SBN	478962013	5/8/2019	I-131	-1.90E-03	3.39E-03	9.92E-03	U
CF	DOW	478962014	5/8/2019	I-131	-8.22E-03	5.35E-03	1.11E-02	U
CF	COL	478962015	5/8/2019	I-131	3.52E-04	3.82E-03	1.31E-02	U
CF	ONS-1	478962016	5/8/2019	I-131	1.49E-03	5.07E-03	1.80E-02	U
CF	ONS-2	478962017	5/8/2019	I-131	-9.85E-04	4.02E-03	1.24E-02	U
CF	ONS-3	478962018	5/8/2019	I-131	-2.98E-03	3.35E-03	8.31E-03	U
CF	ONS-4	478962019	5/8/2019	I-131	-1.23E-04	2.62E-03	8.56E-03	U
CF	ONS-5	478962020	5/8/2019	I-131	-1.63E-03	3.96E-03	1.22E-02	U
CF	ONS-6	478962021	5/8/2019	I-131	2.08E-03	3.53E-03	1.32E-02	U
CF	NBF	479388012	5/15/2019	I-131	1.56E-04	5.54E-03	1.83E-02	U
CF	SBN	479388013	5/15/2019	I-131	-3.32E-03	2.75E-03	5.22E-03	U
CF	DOW	479388014	5/15/2019	I-131	3.04E-03	5.53E-03	1.96E-02	U
CF	COL	479388015	5/15/2019	I-131	2.37E-03	4.14E-03	1.46E-02	U
CF	ONS-1	479388016	5/15/2019	I-131	1.59E-03	4.04E-03	1.42E-02	U
CF	ONS-2	479388017	5/15/2019	I-131	-8.06E-05	2.86E-03	9.37E-03	U
CF	ONS-3	479388018	5/15/2019	I-131	-6.22E-04	2.70E-03	7.82E-03	U
CF	ONS-4	479388019	5/15/2019	I-131	-3.21E-03	5.12E-03	1.54E-02	U
CF	ONS-5	479388020	5/15/2019	I-131	-2.82E-03	3.59E-03	9.87E-03	U
CF	ONS-6	479388021	5/15/2019	I-131	5.97E-04	1.95E-03	7.08E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m <sup>3</sup> )	STD.DEV. (pCi/m <sup>3</sup> )	MDC (pCi/m <sup>3</sup> )	FLAG
CF	NBF	480211012	5/22/2019	I-131	7.56E-04	2.64E-03	9.19E-03	U
CF	SBN	480211013	5/22/2019	I-131	-1.82E-05	2.87E-03	9.51E-03	U
CF	DOW	480211014	5/22/2019	I-131	1.15E-03	2.95E-03	1.01E-02	U
CF	COL	480211015	5/22/2019	I-131	2.64E-03	3.03E-03	1.01E-02	U
CF	ONS-1	480211016	5/22/2019	I-131	9.99E-03	5.20E-03	7.71E-03	UI
CF	ONS-2	480211017	5/22/2019	I-131	3.42E-03	2.73E-03	9.95E-03	U
CF	ONS-3	480211018	5/22/2019	I-131	-4.91E-04	2.64E-03	8.58E-03	U
CF	ONS-4	480211019	5/22/2019	I-131	8.72E-05	2.55E-03	8.49E-03	U
CF	ONS-5	480211020	5/22/2019	I-131	1.81E-03	4.72E-03	1.68E-02	U
CF	ONS-6	480211021	5/22/2019	I-131	5.91E-04	2.64E-03	9.61E-03	U
CF	NBF	480617012	5/29/2019	I-131	-1.84E-03	5.92E-03	1.87E-02	U
CF	SBN	480617013	5/29/2019	I-131	1.18E-03	2.81E-03	1.03E-02	U
CF	DOW	480617014	5/29/2019	I-131	-7.39E-03	5.04E-03	9.77E-03	U
CF	COL	480617015	5/29/2019	I-131	-2.61E-03	3.57E-03	6.10E-03	U
CF	ONS-1	480617016	5/29/2019	I-131	-2.98E-03	4.10E-03	1.08E-02	U
CF	ONS-2	480617017	5/29/2019	I-131	-5.60E-03	4.30E-03	8.27E-03	U
CF	ONS-3	480617018	5/29/2019	I-131	3.70E-03	3.61E-03	1.40E-02	U
CF	ONS-4	480617019	5/29/2019	I-131	-4.19E-03	3.52E-03	8.74E-03	U
CF	ONS-5	480617020	5/29/2019	I-131	-1.25E-03	4.62E-03	1.45E-02	U
CF	ONS-6	480617021	5/29/2019	I-131	-1.80E-03	3.23E-03	9.44E-03	U
CF	NBF	481223012	6/5/2019	I-131	-3.50E-03	2.45E-03	5.76E-03	U
CF	SBN	481223013	6/5/2019	I-131	3.02E-03	3.31E-03	1.18E-02	U
CF	DOW	481223014	6/5/2019	I-131	4.94E-04	3.11E-03	1.03E-02	U
CF	COL	481223015	6/5/2019	I-131	2.11E-03	3.36E-03	1.23E-02	U
CF	ONS-1	481223016	6/5/2019	I-131	7.24E-04	2.36E-03	8.14E-03	U
CF	ONS-2	481223017	6/5/2019	I-131	2.80E-03	2.54E-03	8.98E-03	U
CF	ONS-3	481223018	6/5/2019	I-131	1.35E-02	6.79E-03	1.96E-02	U
CF	ONS-4	481223019	6/5/2019	I-131	4.84E-05	3.07E-03	1.02E-02	U
CF	ONS-5	481223020	6/5/2019	I-131	6.61E-04	2.73E-03	9.31E-03	U
CF	ONS-6	481223021	6/5/2019	I-131	6.61E-04	2.95E-03	1.01E-02	U
CF	NBF	482087012	6/12/2019	I-131	-9.00E-03	6.89E-03	1.61E-02	U
CF	SBN	482087013	6/12/2019	I-131	1.71E-03	7.33E-03	2.50E-02	U
CF	DOW	482087014	6/12/2019	I-131	4.36E-03	5.75E-03	2.19E-02	U
CF	COL	482087015	6/12/2019	I-131	-1.81E-03	6.01E-03	1.92E-02	U
CF	ONS-1	482087016	6/12/2019	I-131	6.59E-03	5.42E-03	2.19E-02	U
CF	ONS-2	482087017	6/12/2019	I-131	1.31E-02	7.23E-03	2.87E-02	U
CF	ONS-3	482087018	6/12/2019	I-131	-1.06E-03	5.24E-03	1.67E-02	U
CF	ONS-4	482087019	6/12/2019	I-131	-1.04E-02	7.73E-03	1.40E-02	U
CF	ONS-5	482087020	6/12/2019	I-131	-5.93E-03	7.34E-03	2.10E-02	U
CF	ONS-6	482087021	6/12/2019	I-131	-2.78E-03	3.96E-03	1.18E-02	U
CF	NBF	482655012	6/19/2019	I-131	-1.83E-03	3.92E-03	1.15E-02	U
CF	SBN	482655013	6/19/2019	I-131	5.73E-03	3.57E-03	1.54E-02	U
CF	DOW	482655014	6/19/2019	I-131	-1.21E-03	2.36E-03	6.63E-03	U
CF	COL	482655015	6/19/2019	I-131	1.11E-03	3.57E-03	1.25E-02	U
CF	ONS-1	482655016	6/19/2019	I-131	-2.47E-03	2.80E-03	7.00E-03	U
CF	ONS-2	482655017	6/19/2019	I-131	-3.01E-03	4.45E-03	1.34E-02	U
CF	ONS-3	482655018	6/19/2019	I-131	2.73E-03	3.74E-03	1.43E-02	U
CF	ONS-4	482655019	6/19/2019	I-131	1.83E-03	4.73E-03	1.67E-02	U
CF	ONS-5	482655020	6/19/2019	I-131	7.48E-03	3.84E-03	1.59E-02	U
CF	ONS-6	482655021	6/19/2019	I-131	4.74E-03	3.83E-03	1.53E-02	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	483301012	6/26/2019	I-131	4.05E-03	3.88E-03	1.56E-02	U
CF	SBN	483301013	6/26/2019	I-131	7.46E-03	4.80E-03	1.90E-02	U
CF	DOW	483301014	6/26/2019	I-131	-2.69E-03	5.62E-03	1.73E-02	U
CF	COL	483301015	6/26/2019	I-131	4.73E-03	3.21E-03	1.28E-02	U
CF	ONS-1	483301016	6/26/2019	I-131	-2.63E-03	6.12E-03	1.63E-02	U
CF	ONS-2	483301017	6/26/2019	I-131	5.18E-05	3.78E-03	1.25E-02	U
CF	ONS-3	483301018	6/26/2019	I-131	2.61E-03	4.15E-03	1.56E-02	U
CF	ONS-4	483301019	6/26/2019	I-131	-7.82E-04	4.61E-03	1.51E-02	U
CF	ONS-5	483301020	6/26/2019	I-131	8.42E-03	5.10E-03	1.98E-02	U
CF	ONS-6	483301021	6/26/2019	I-131	3.63E-03	4.40E-03	1.64E-02	U
CF	NBF	483958012	7/3/2019	I-131	-1.54E-03	4.69E-03	1.50E-02	U
CF	SBN	483958013	7/3/2019	I-131	3.82E-03	4.29E-03	1.60E-02	U
CF	DOW	483958014	7/3/2019	I-131	1.72E-03	4.21E-03	1.46E-02	U
CF	COL	483958015	7/3/2019	I-131	-3.13E-03	5.15E-03	1.55E-02	U
CF	ONS-1	483958016	7/3/2019	I-131	5.69E-04	3.20E-03	1.10E-02	U
CF	ONS-2	483958017	7/3/2019	I-131	-6.41E-04	3.46E-03	1.13E-02	U
CF	ONS-3	483958018	7/3/2019	I-131	9.01E-04	4.10E-03	1.44E-02	U
CF	ONS-4	483958019	7/3/2019	I-131	-1.18E-03	4.89E-03	1.59E-02	U
CF	ONS-5	483958020	7/3/2019	I-131	3.67E-03	2.73E-03	1.21E-02	U
CF	ONS-6	483958021	7/3/2019	I-131	-2.72E-03	4.19E-03	1.20E-02	U
CF	NBF	484601012	7/10/2019	I-131	2.40E-03	3.44E-03	1.25E-02	U
CF	SBN	484601013	7/10/2019	I-131	-5.98E-03	2.71E-03	3.70E-03	U
CF	DOW	484601014	7/10/2019	I-131	1.59E-03	1.84E-03	8.37E-03	U
CF	COL	484601015	7/10/2019	I-131	-3.49E-03	2.06E-03	5.00E-03	U
CF	ONS-1	484601016	7/10/2019	I-131	-3.94E-03	3.75E-03	9.75E-03	U
CF	ONS-2	484601017	7/10/2019	I-131	-2.23E-03	4.53E-03	1.39E-02	U
CF	ONS-3	484601018	7/10/2019	I-131	-2.18E-04	3.25E-03	1.09E-02	U
CF	ONS-4	484601019	7/10/2019	I-131	-8.05E-03	4.05E-03	6.29E-03	U
CF	ONS-5	484601020	7/10/2019	I-131	5.51E-03	3.42E-03	1.38E-02	U
CF	ONS-6	484601021	7/10/2019	I-131	2.86E-03	4.16E-03	1.64E-02	U
CF	NBF	485066012	7/17/2019	I-131	2.77E-04	3.68E-03	1.26E-02	U
CF	SBN	485066013	7/17/2019	I-131	2.33E-03	2.84E-03	1.03E-02	U
CF	DOW	485066014	7/17/2019	I-131	-2.71E-03	3.49E-03	1.03E-02	U
CF	COL	485066015	7/17/2019	I-131	2.51E-03	2.64E-03	9.74E-03	U
CF	ONS-1	485066016	7/17/2019	I-131	4.64E-03	3.04E-03	1.11E-02	U
CF	ONS-2	485066017	7/17/2019	I-131	-2.26E-03	1.90E-03	4.75E-03	U
CF	ONS-3	485066018	7/17/2019	I-131	-2.59E-03	2.34E-03	6.43E-03	U
CF	ONS-4	485066019	7/17/2019	I-131	1.88E-03	2.93E-03	1.06E-02	U
CF	ONS-5	485066020	7/17/2019	I-131	-2.58E-03	2.68E-03	7.09E-03	U
CF	ONS-6	485066021	7/17/2019	I-131	-5.27E-03	2.61E-03	5.03E-03	U
CF	NBF	485859012	7/24/2019	I-131	-2.52E-03	4.08E-03	1.21E-02	U
CF	SBN	485859013	7/24/2019	I-131	-1.81E-04	4.18E-03	1.40E-02	U
CF	DOW	485859014	7/24/2019	I-131	1.04E-03	4.72E-03	1.60E-02	U
CF	COL	485859015	7/24/2019	I-131	2.53E-03	5.75E-03	1.99E-02	U
CF	ONS-1	485859016	7/24/2019	I-131	-5.14E-03	4.13E-03	9.68E-03	U
CF	ONS-2	485859017	7/24/2019	I-131	2.73E-03	3.95E-03	1.48E-02	U
CF	ONS-3	485859018	7/24/2019	I-131	-5.64E-04	3.76E-03	1.24E-02	U
CF	ONS-4	485859019	7/24/2019	I-131	-5.03E-03	3.08E-03	4.90E-03	U
CF	ONS-5	485859020	7/24/2019	I-131	-4.17E-03	3.71E-03	9.51E-03	U
CF	ONS-6	485859021	7/24/2019	I-131	-5.50E-04	5.41E-03	1.81E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	486499012	7/31/2019	I-131	4.68E-03	3.57E-03	1.30E-02	U
CF	SBN	486499013	7/31/2019	I-131	2.15E-04	2.58E-03	8.81E-03	U
CF	DOW	486499014	7/31/2019	I-131	6.88E-03	2.86E-03	3.81E-03	UI
CF	COL	486499015	7/31/2019	I-131	2.39E-03	2.58E-03	9.47E-03	U
CF	ONS-1	486499016	7/31/2019	I-131	-7.79E-04	2.45E-03	7.91E-03	U
CF	ONS-2	486499017	7/31/2019	I-131	1.15E-03	3.57E-03	1.25E-02	U
CF	ONS-3	486499018	7/31/2019	I-131	1.37E-03	2.81E-03	9.87E-03	U
CF	ONS-4	486499019	7/31/2019	I-131	-2.47E-03	2.91E-03	8.55E-03	U
CF	ONS-5	486499020	7/31/2019	I-131	-3.37E-03	3.33E-03	9.23E-03	U
CF	ONS-6	486499021	7/31/2019	I-131	-6.77E-04	2.39E-03	7.57E-03	U
CF	NBF	487265012	8/7/2019	I-131	9.06E-04	1.84E-03	6.51E-03	U
CF	SBN	487265013	8/7/2019	I-131	-1.89E-04	2.36E-03	7.91E-03	U
CF	DOW	487265014	8/7/2019	I-131	8.22E-04	2.51E-03	8.52E-03	U
CF	COL	487265015	8/7/2019	I-131	3.16E-03	2.23E-03	7.81E-03	U
CF	ONS-1	487265016	8/7/2019	I-131	5.54E-04	1.82E-03	6.31E-03	U
CF	ONS-2	487265017	8/7/2019	I-131	-4.31E-04	2.21E-03	7.30E-03	U
CF	ONS-3	487265018	8/7/2019	I-131	4.88E-03	2.35E-03	8.08E-03	U
CF	ONS-4	487265019	8/7/2019	I-131	1.22E-02	4.11E-03	6.79E-03	UI
CF	ONS-5	487265020	8/7/2019	I-131	1.96E-03	1.80E-03	6.23E-03	U
CF	ONS-6	487265021	8/7/2019	I-131	7.64E-05	2.38E-03	7.50E-03	U
CF	NBF	487952012	8/14/2019	I-131	-4.40E-03	4.08E-03	1.11E-02	U
CF	SBN	487952013	8/14/2019	I-131	6.20E-03	3.53E-03	1.34E-02	U
CF	DOW	487952014	8/14/2019	I-131	-3.44E-03	2.64E-03	5.28E-03	U
CF	COL	487952015	8/14/2019	I-131	-1.83E-03	2.81E-03	8.58E-03	U
CF	ONS-1	487952016	8/14/2019	I-131	2.07E-03	2.99E-03	1.05E-02	U
CF	ONS-2	487952017	8/14/2019	I-131	-6.58E-04	3.68E-03	1.19E-02	U
CF	ONS-3	487952018	8/14/2019	I-131	2.36E-03	3.51E-03	1.26E-02	U
CF	ONS-4	487952019	8/14/2019	I-131	-1.40E-03	2.45E-03	7.46E-03	U
CF	ONS-5	487952020	8/14/2019	I-131	-2.88E-03	3.02E-03	8.74E-03	U
CF	ONS-6	487952021	8/14/2019	I-131	1.74E-04	2.76E-03	9.50E-03	U
CF	NBF	488611012	8/21/2019	I-131	-1.09E-03	2.76E-03	7.69E-03	U
CF	SBN	488611013	8/21/2019	I-131	1.25E-03	1.63E-03	5.86E-03	U
CF	DOW	488611014	8/21/2019	I-131	1.20E-03	1.94E-03	6.65E-03	U
CF	COL	488611015	8/21/2019	I-131	-3.10E-03	2.28E-03	5.54E-03	U
CF	ONS-1	488611016	8/21/2019	I-131	2.12E-03	2.67E-03	9.26E-03	U
CF	ONS-2	488611017	8/21/2019	I-131	2.70E-03	2.48E-03	8.84E-03	U
CF	ONS-3	488611018	8/21/2019	I-131	-5.73E-04	2.53E-03	8.46E-03	U
CF	ONS-4	488611019	8/21/2019	I-131	9.15E-04	2.06E-03	7.11E-03	U
CF	ONS-5	488611020	8/21/2019	I-131	-1.75E-03	1.94E-03	5.85E-03	U
CF	ONS-6	488611021	8/21/2019	I-131	3.31E-04	1.73E-03	5.85E-03	U
CF	NBF	489048012	8/28/2019	I-131	-4.13E-04	1.99E-03	6.62E-03	U
CF	SBN	489048013	8/28/2019	I-131	-4.04E-04	1.66E-03	5.41E-03	U
CF	DOW	489048014	8/28/2019	I-131	-1.14E-03	1.47E-03	4.42E-03	U
CF	COL	489048015	8/28/2019	I-131	9.94E-04	2.81E-03	9.89E-03	U
CF	ONS-1	489048016	8/28/2019	I-131	1.28E-03	2.17E-03	7.34E-03	U
CF	ONS-2	489048017	8/28/2019	I-131	1.68E-03	2.09E-03	7.30E-03	U
CF	ONS-3	489048018	8/28/2019	I-131	1.21E-03	1.94E-03	6.85E-03	U
CF	ONS-4	489048019	8/28/2019	I-131	-2.34E-03	1.49E-03	3.74E-03	U
CF	ONS-5	489048020	8/28/2019	I-131	-2.86E-03	1.81E-03	4.90E-03	U
CF	ONS-6	489048021	8/28/2019	I-131	2.32E-04	1.50E-03	5.10E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	489572012	9/4/2019	I-131	-6.59E-04	6.03E-03	2.05E-02	U
CF	SBN	489572013	9/4/2019	I-131	-1.74E-03	2.42E-03	7.15E-03	U
CF	DOW	489572014	9/4/2019	I-131	-5.69E-03	4.17E-03	1.05E-02	U
CF	COL	489572015	9/4/2019	I-131	7.76E-04	3.56E-03	1.22E-02	U
CF	ONS-1	489572016	9/4/2019	I-131	1.44E-03	3.09E-03	9.51E-03	U
CF	ONS-2	489572017	9/4/2019	I-131	-6.31E-03	4.18E-03	1.21E-02	U
CF	ONS-3	489572018	9/4/2019	I-131	-1.88E-04	2.86E-03	9.62E-03	U
CF	ONS-4	489572019	9/4/2019	I-131	8.54E-03	5.35E-03	2.01E-02	U
CF	ONS-5	489572020	9/4/2019	I-131	-1.22E-02	7.19E-03	1.76E-02	U
CF	ONS-6	489572021	9/4/2019	I-131	-4.35E-03	4.35E-03	1.14E-02	U
CF	NBF	490127012	9/11/2019	I-131	1.04E-03	3.63E-03	1.29E-02	U
CF	SBN	490127013	9/11/2019	I-131	-4.65E-03	4.78E-03	1.25E-02	U
CF	DOW	490127014	9/11/2019	I-131	3.24E-03	4.13E-03	1.57E-02	U
CF	COL	490127015	9/11/2019	I-131	2.52E-03	5.17E-03	1.83E-02	U
CF	ONS-1	490127016	9/11/2019	I-131	8.44E-03	4.32E-03	1.79E-02	U
CF	ONS-2	490127017	9/11/2019	I-131	1.36E-03	2.74E-03	1.00E-02	U
CF	ONS-3	490127018	9/11/2019	I-131	-3.21E-03	2.73E-03	6.16E-03	U
CF	ONS-4	490127019	9/11/2019	I-131	5.98E-03	6.03E-03	2.35E-02	U
CF	ONS-5	490127020	9/11/2019	I-131	-8.84E-04	2.11E-03	5.71E-03	U
CF	ONS-6	490127021	9/11/2019	I-131	3.08E-03	4.26E-03	1.56E-02	U
CF	NBF	490834012	9/18/2019	I-131	9.30E-03	6.05E-03	2.41E-02	U
CF	SBN	490834013	9/18/2019	I-131	-2.32E-03	7.18E-03	2.23E-02	U
CF	DOW	490834014	9/18/2019	I-131	9.06E-03	5.98E-03	2.33E-02	U
CF	COL	490834015	9/18/2019	I-131	1.68E-03	4.79E-03	1.70E-02	U
CF	ONS-1	490834016	9/18/2019	I-131	5.79E-04	5.39E-03	1.80E-02	U
CF	ONS-2	490834017	9/18/2019	I-131	-5.60E-04	4.72E-03	1.53E-02	U
CF	ONS-3	490834018	9/18/2019	I-131	3.79E-03	4.88E-03	1.85E-02	U
CF	ONS-4	490834019	9/18/2019	I-131	-3.52E-03	3.96E-03	9.81E-03	U
CF	ONS-5	490834020	9/18/2019	I-131	-4.50E-03	5.57E-03	1.48E-02	U
CF	ONS-6	490834021	9/18/2019	I-131	-3.44E-03	7.13E-03	2.21E-02	U
CF	NBF	491476012	9/25/2019	I-131	4.42E-03	2.44E-03	8.29E-03	U
CF	SBN	491476013	9/25/2019	I-131	1.89E-03	2.64E-03	9.06E-03	U
CF	DOW	491476014	9/25/2019	I-131	-1.35E-03	2.08E-03	6.53E-03	U
CF	COL	491476015	9/25/2019	I-131	-1.98E-03	2.58E-03	7.92E-03	U
CF	ONS-1	491476016	9/25/2019	I-131	-8.50E-04	1.95E-03	6.14E-03	U
CF	ONS-2	491476017	9/25/2019	I-131	-1.48E-03	2.72E-03	8.51E-03	U
CF	ONS-3	491476018	9/25/2019	I-131	4.22E-03	3.32E-03	7.41E-03	U
CF	ONS-4	491476019	9/25/2019	I-131	1.57E-03	2.61E-03	8.84E-03	U
CF	ONS-5	491476020	9/25/2019	I-131	-1.13E-03	1.90E-03	5.93E-03	U
CF	ONS-6	491476021	9/25/2019	I-131	-3.48E-04	2.08E-03	6.08E-03	U
CF	NBF	492078012	10/2/2019	I-131	-2.95E-03	2.16E-03	5.76E-03	U
CF	SBN	492078013	10/2/2019	I-131	-1.46E-03	1.93E-03	5.89E-03	U
CF	DOW	492078014	10/2/2019	I-131	9.92E-04	2.25E-03	7.32E-03	U
CF	COL	492078015	10/2/2019	I-131	1.37E-03	2.46E-03	7.64E-03	U
CF	ONS-1	492078016	10/2/2019	I-131	1.00E-02	3.56E-03	6.06E-03	UI
CF	ONS-2	492078017	10/2/2019	I-131	-1.93E-03	1.93E-03	5.67E-03	U
CF	ONS-3	492078018	10/2/2019	I-131	9.92E-05	1.97E-03	6.58E-03	U
CF	ONS-4	492078019	10/2/2019	I-131	3.28E-05	1.65E-03	5.60E-03	U
CF	ONS-5	492078020	10/2/2019	I-131	2.01E-03	1.64E-03	5.90E-03	U
CF	ONS-6	492078021	10/2/2019	I-131	1.32E-03	3.86E-03	1.35E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	492794012	10/9/2019	I-131	-2.44E-03	3.51E-03	1.11E-02	U
CF	SBN	492794013	10/9/2019	I-131	2.40E-03	2.01E-03	7.31E-03	U
CF	DOW	492794014	10/9/2019	I-131	9.53E-05	2.01E-03	6.70E-03	U
CF	COL	492794015	10/9/2019	I-131	9.99E-04	1.75E-03	6.08E-03	U
CF	ONS-1	492794016	10/9/2019	I-131	2.08E-03	2.50E-03	8.99E-03	U
CF	ONS-2	492794017	10/9/2019	I-131	-5.84E-04	2.23E-03	6.87E-03	U
CF	ONS-3	492794018	10/9/2019	I-131	6.13E-03	1.89E-03	5.41E-03	UI
CF	ONS-4	492794019	10/9/2019	I-131	-2.72E-04	2.05E-03	6.39E-03	U
CF	ONS-5	492794020	10/9/2019	I-131	-1.48E-03	2.13E-03	6.60E-03	U
CF	ONS-6	492794021	10/9/2019	I-131	1.88E-03	2.01E-03	7.22E-03	U
CF	NBF	493369012	10/16/2019	I-131	4.33E-03	3.08E-03	1.14E-02	U
CF	SBN	493369013	10/16/2019	I-131	5.29E-04	2.68E-03	9.05E-03	U
CF	DOW	493369014	10/16/2019	I-131	-2.85E-03	3.42E-03	9.93E-03	U
CF	COL	493369015	10/16/2019	I-131	5.79E-04	2.20E-03	7.09E-03	U
CF	ONS-1	493369016	10/16/2019	I-131	-1.86E-03	3.11E-03	9.13E-03	U
CF	ONS-2	493369017	10/16/2019	I-131	-6.66E-04	2.95E-03	8.85E-03	U
CF	ONS-3	493369018	10/16/2019	I-131	-1.51E-04	2.48E-03	8.00E-03	U
CF	ONS-4	493369019	10/16/2019	I-131	3.41E-03	2.34E-03	8.92E-03	U
CF	ONS-5	493369020	10/16/2019	I-131	-4.90E-03	2.64E-03	4.26E-03	U
CF	ONS-6	493369021	10/16/2019	I-131	-1.57E-03	2.75E-03	8.43E-03	U
CF	NBF	494059012	10/23/2019	I-131	4.36E-03	3.10E-03	1.14E-02	U
CF	SBN	494059013	10/23/2019	I-131	-1.24E-03	2.46E-03	7.54E-03	U
CF	DOW	494059014	10/23/2019	I-131	-1.49E-04	4.16E-03	1.41E-02	U
CF	COL	494059015	10/23/2019	I-131	2.80E-03	3.59E-03	1.27E-02	U
CF	ONS-1	494059016	10/23/2019	I-131	1.35E-02	5.34E-03	7.97E-03	UI
CF	ONS-2	494059017	10/23/2019	I-131	-7.06E-03	4.23E-03	9.98E-03	U
CF	ONS-3	494059018	10/23/2019	I-131	1.22E-03	2.40E-03	8.60E-03	U
CF	ONS-4	494059019	10/23/2019	I-131	-1.82E-03	4.11E-03	1.28E-02	U
CF	ONS-5	494059020	10/23/2019	I-131	1.11E-03	2.28E-03	7.99E-03	U
CF	ONS-6	494059021	10/23/2019	I-131	2.33E-03	2.92E-03	1.06E-02	U
CF	NBF	494990012	10/30/2019	I-131	4.23E-03	3.66E-03	1.30E-02	U
CF	SBN	494990013	10/30/2019	I-131	2.65E-03	3.27E-03	1.19E-02	U
CF	DOW	494990014	10/30/2019	I-131	-1.02E-02	4.99E-03	9.15E-03	U
CF	COL	494990015	10/30/2019	I-131	-3.28E-03	3.24E-03	8.98E-03	U
CF	ONS-1	494990016	10/30/2019	I-131	6.70E-03	3.69E-03	1.39E-02	U
CF	ONS-2	494990017	10/30/2019	I-131	4.08E-03	4.37E-03	1.63E-02	U
CF	ONS-3	494990018	10/30/2019	I-131	5.06E-03	3.13E-03	1.08E-02	U
CF	ONS-4	494990019	10/30/2019	I-131	1.20E-03	3.30E-03	1.16E-02	U
CF	ONS-5	494990020	10/30/2019	I-131	2.78E-03	3.32E-03	1.20E-02	U
CF	ONS-6	494990021	10/30/2019	I-131	1.41E-03	2.26E-03	8.20E-03	U
CF	NBF	495763012	11/6/2019	I-131	-8.81E-05	1.90E-03	6.26E-03	U
CF	SBN	495763013	11/6/2019	I-131	1.68E-03	1.78E-03	6.40E-03	U
CF	DOW	495763014	11/6/2019	I-131	-8.39E-04	2.07E-03	6.81E-03	U
CF	COL	495763015	11/6/2019	I-131	-3.05E-04	1.84E-03	6.19E-03	U
CF	ONS-1	495763016	11/6/2019	I-131	2.89E-03	1.94E-03	7.18E-03	U
CF	ONS-2	495763017	11/6/2019	I-131	5.45E-04	2.06E-03	7.02E-03	U
CF	ONS-3	495763018	11/6/2019	I-131	-3.49E-04	2.19E-03	7.29E-03	U
CF	ONS-4	495763019	11/6/2019	I-131	-2.63E-03	2.68E-03	7.82E-03	U
CF	ONS-5	495763020	11/6/2019	I-131	-2.86E-03	1.88E-03	4.22E-03	U
CF	ONS-6	495763021	11/6/2019	I-131	-6.78E-04	1.92E-03	6.20E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	496729012	11/13/2019	I-131	-1.89E-03	2.22E-03	6.50E-03	U
CF	SBN	496729013	11/13/2019	I-131	-1.87E-03	2.20E-03	6.58E-03	U
CF	DOW	496729014	11/13/2019	I-131	2.01E-03	2.63E-03	8.73E-03	U
CF	COL	496729015	11/13/2019	I-131	-6.53E-03	2.78E-03	5.44E-03	U
CF	ONS-1	496729016	11/13/2019	I-131	8.70E-05	3.33E-03	1.13E-02	U
CF	ONS-2	496729017	11/13/2019	I-131	2.69E-03	2.20E-03	7.41E-03	U
CF	ONS-3	496729018	11/13/2019	I-131	2.83E-03	2.49E-03	8.74E-03	U
CF	ONS-4	496729019	11/13/2019	I-131	2.50E-03	3.90E-03	1.39E-02	U
CF	ONS-5	496729020	11/13/2019	I-131	-2.28E-04	2.77E-03	8.95E-03	U
CF	ONS-6	496729021	11/13/2019	I-131	4.27E-04	3.08E-03	1.05E-02	U
CF	NBF	497383012	11/20/2019	I-131	3.77E-04	3.17E-03	1.07E-02	U
CF	SBN	497383013	11/20/2019	I-131	-1.88E-03	2.95E-03	8.61E-03	U
CF	DOW	497383014	11/20/2019	I-131	-3.68E-03	3.17E-03	8.33E-03	U
CF	COL	497383015	11/20/2019	I-131	-4.26E-03	2.98E-03	7.22E-03	U
CF	ONS-1	497383016	11/20/2019	I-131	5.89E-04	4.15E-03	1.39E-02	U
CF	ONS-2	497383017	11/20/2019	I-131	-8.52E-04	2.55E-03	8.23E-03	U
CF	ONS-3	497383018	11/20/2019	I-131	3.66E-03	3.16E-03	1.15E-02	U
CF	ONS-4	497383019	11/20/2019	I-131	-3.80E-03	2.87E-03	6.66E-03	U
CF	ONS-5	497383020	11/20/2019	I-131	-1.35E-03	3.34E-03	1.08E-02	U
CF	ONS-6	497383021	11/20/2019	I-131	-1.30E-03	2.72E-03	8.09E-03	U
CF	NBF	497662012	11/26/2019	I-131	-2.69E-03	3.08E-03	7.84E-03	U
CF	SBN	497662013	11/26/2019	I-131	-4.91E-03	4.02E-03	1.04E-02	U
CF	DOW	497662014	11/26/2019	I-131	3.98E-03	3.05E-03	1.00E-02	U
CF	COL	497662015	11/26/2019	I-131	-3.16E-03	3.23E-03	8.88E-03	U
CF	ONS-1	497662016	11/26/2019	I-131	-3.02E-04	3.73E-03	1.22E-02	U
CF	ONS-2	497662017	11/26/2019	I-131	-1.74E-03	2.74E-03	8.16E-03	U
CF	ONS-3	497662018	11/26/2019	I-131	2.12E-03	3.50E-03	1.23E-02	U
CF	ONS-4	497662019	11/26/2019	I-131	6.45E-03	3.42E-03	1.29E-02	U
CF	ONS-5	497662020	11/26/2019	I-131	6.44E-04	3.60E-03	1.25E-02	U
CF	ONS-6	497662021	11/26/2019	I-131	-5.09E-03	3.21E-03	7.84E-03	U
CF	NBF	498361012	12/4/2019	I-131	-2.35E-04	1.95E-03	6.54E-03	U
CF	SBN	498361013	12/4/2019	I-131	3.65E-05	1.61E-03	5.35E-03	U
CF	DOW	498361014	12/4/2019	I-131	-6.19E-04	2.05E-03	6.57E-03	U
CF	COL	498361015	12/4/2019	I-131	2.23E-03	2.29E-03	7.89E-03	U
CF	ONS-1	498361016	12/4/2019	I-131	-6.65E-04	2.57E-03	8.46E-03	U
CF	ONS-2	498361017	12/4/2019	I-131	-1.44E-03	1.98E-03	6.09E-03	U
CF	ONS-3	498361018	12/4/2019	I-131	-1.09E-03	1.82E-03	5.69E-03	U
CF	ONS-4	498361019	12/4/2019	I-131	1.49E-03	2.14E-03	7.42E-03	U
CF	ONS-5	498361020	12/4/2019	I-131	-4.05E-04	1.65E-03	4.98E-03	U
CF	ONS-6	498361021	12/4/2019	I-131	1.32E-03	2.05E-03	7.05E-03	U
CF	NBF	498968012	12/11/2019	I-131	8.58E-03	4.80E-03	1.86E-02	U
CF	SBN	498968013	12/11/2019	I-131	1.90E-03	2.33E-03	8.77E-03	U
CF	DOW	498968014	12/11/2019	I-131	8.82E-03	4.07E-03	1.50E-02	U
CF	COL	498968015	12/11/2019	I-131	1.43E-03	3.19E-03	1.13E-02	U
CF	ONS-1	498968016	12/11/2019	I-131	-7.83E-04	3.33E-03	1.07E-02	U
CF	ONS-2	498968017	12/11/2019	I-131	6.35E-04	2.68E-03	9.07E-03	U
CF	ONS-3	498968018	12/11/2019	I-131	5.48E-04	3.70E-03	1.27E-02	U
CF	ONS-4	498968019	12/11/2019	I-131	-6.61E-04	1.33E-03	3.79E-03	U
CF	ONS-5	498968020	12/11/2019	I-131	-4.74E-03	3.06E-03	6.29E-03	U
CF	ONS-6	498968021	12/11/2019	I-131	5.59E-04	2.81E-03	9.03E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAG
CF	NBF	499658012	12/18/2019	I-131	-1.59E-03	3.64E-03	9.62E-03	U
CF	SBN	499658013	12/18/2019	I-131	2.16E-04	3.36E-03	1.15E-02	U
CF	DOW	499658014	12/18/2019	I-131	-2.43E-03	2.43E-03	6.61E-03	U
CF	COL	499658015	12/18/2019	I-131	-5.25E-06	2.88E-03	9.50E-03	U
CF	ONS-1	499658016	12/18/2019	I-131	1.16E-03	2.37E-03	8.65E-03	U
CF	ONS-2	499658017	12/18/2019	I-131	1.41E-03	2.22E-03	8.04E-03	U
CF	ONS-3	499658018	12/18/2019	I-131	1.50E-03	2.82E-03	9.82E-03	U
CF	ONS-4	499658019	12/18/2019	I-131	1.07E-03	4.24E-03	1.43E-02	U
CF	ONS-5	499658020	12/18/2019	I-131	3.05E-05	1.93E-03	6.39E-03	U
CF	ONS-6	499658021	12/18/2019	I-131	-1.73E-03	2.95E-03	9.39E-03	U
CF	NBF	499874012	12/24/2019	I-131	2.57E-03	2.23E-03	8.73E-03	U
CF	SBN	499874013	12/24/2019	I-131	7.35E-03	3.33E-03	6.38E-03	UI
CF	DOW	499874014	12/24/2019	I-131	-3.17E-03	3.25E-03	9.32E-03	U
CF	COL	499874015	12/24/2019	I-131	5.77E-03	4.36E-03	1.55E-02	U
CF	ONS-1	499874016	12/24/2019	I-131	-1.18E-03	2.58E-03	7.78E-03	U
CF	ONS-2	499874017	12/24/2019	I-131	4.56E-03	4.06E-03	1.44E-02	U
CF	ONS-3	499874018	12/24/2019	I-131	-3.80E-04	3.67E-03	1.23E-02	U
CF	ONS-4	499874019	12/24/2019	I-131	6.06E-03	2.68E-03	7.69E-03	U
CF	ONS-5	499874020	12/24/2019	I-131	-4.06E-03	3.74E-03	1.07E-02	U
CF	ONS-6	499874021	12/24/2019	I-131	1.43E-03	2.42E-03	8.85E-03	U
CF	NBF	500188012	12/31/2019	I-131	2.73E-03	2.16E-03	7.39E-03	U
CF	SBN	500188013	12/31/2019	I-131	4.92E-03	2.31E-03	8.24E-03	U
CF	DOW	500188014	12/31/2019	I-131	-1.40E-03	1.80E-03	5.58E-03	U
CF	COL	500188015	12/31/2019	I-131	-1.25E-03	1.83E-03	4.81E-03	U
CF	ONS-1	500188016	12/31/2019	I-131	-1.21E-03	3.25E-03	1.04E-02	U
CF	ONS-2	500188017	12/31/2019	I-131	-2.43E-03	2.31E-03	6.73E-03	U
CF	ONS-3	500188018	12/31/2019	I-131	-7.65E-04	2.56E-03	8.53E-03	U
CF	ONS-4	500188019	12/31/2019	I-131	8.37E-03	4.04E-03	7.71E-03	UI
CF	ONS-5	500188020	12/31/2019	I-131	7.97E-03	4.34E-03	6.12E-03	UI
CF	ONS-6	500188021	12/31/2019	I-131	5.70E-04	1.94E-03	6.49E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
FH	ONS-S	480189001	5/20/2019	Ac-228	1.91E+01	2.21E+01	4.07E+01	U
FH	ONS-S	480189001	5/20/2019	Ag-108m	7.27E+00	5.93E+00	8.47E+00	U
FH	ONS-S	480189001	5/20/2019	Ag-110m	-2.22E+00	3.95E+00	1.27E+01	U
FH	ONS-S	480189001	5/20/2019	Ba-140	-7.53E+00	1.68E+01	4.60E+01	U
FH	ONS-S	480189001	5/20/2019	Be-7	-2.41E+00	2.09E+01	6.71E+01	U
FH	ONS-S	480189001	5/20/2019	Ce-141	1.10E+00	3.87E+00	1.33E+01	U
FH	ONS-S	480189001	5/20/2019	Ce-144	-1.99E+01	1.41E+01	4.38E+01	U
FH	ONS-S	480189001	5/20/2019	Co-57	-1.02E+00	1.73E+00	5.79E+00	U
FH	ONS-S	480189001	5/20/2019	Co-58	-1.23E+00	2.80E+00	9.13E+00	U
FH	ONS-S	480189001	5/20/2019	Co-60	-6.51E-01	3.16E+00	1.01E+01	U
FH	ONS-S	480189001	5/20/2019	Cr-51	1.54E+01	2.66E+01	8.92E+01	U
FH	ONS-S	480189001	5/20/2019	Cs-134	6.88E+00	3.48E+00	1.15E+01	U
FH	ONS-S	480189001	5/20/2019	Cs-137	-2.14E+00	3.16E+00	9.53E+00	U
FH	ONS-S	480189001	5/20/2019	Fe-59	-3.81E+00	7.03E+00	1.91E+01	U
FH	ONS-S	480189001	5/20/2019	I-131	-7.81E+00	7.88E+00	2.12E+01	U
FH	ONS-S	480189001	5/20/2019	K-40	4.05E+03	2.48E+02	7.50E+01	
FH	ONS-S	480189001	5/20/2019	La-140	5.47E+00	5.09E+00	1.78E+01	U
FH	ONS-S	480189001	5/20/2019	Mn-54	1.41E+00	2.78E+00	9.52E+00	U
FH	ONS-S	480189001	5/20/2019	Nb-95	1.79E+00	3.08E+00	9.78E+00	U
FH	ONS-S	480189001	5/20/2019	Ru-103	-2.43E+00	2.79E+00	8.39E+00	U
FH	ONS-S	480189001	5/20/2019	Ru-106	-1.97E+01	2.27E+01	6.67E+01	U
FH	ONS-S	480189001	5/20/2019	Sb-124	2.12E+00	3.94E+00	1.37E+01	U
FH	ONS-S	480189001	5/20/2019	Sb-125	-5.62E+00	7.88E+00	2.16E+01	U
FH	ONS-S	480189001	5/20/2019	Se-75	7.76E-01	3.03E+00	1.02E+01	U
FH	ONS-S	480189001	5/20/2019	Th-228	4.87E+00	4.99E+00	1.56E+01	U
FH	ONS-S	480189001	5/20/2019	Zn-65	-1.48E+00	7.86E+00	2.24E+01	U
FH	ONS-S	480189001	5/20/2019	Zr-95	-5.39E+00	5.55E+00	1.74E+01	U
FH	ONS-N	486333001	7/18/2019	Ac-228	1.57E+00	9.26E+00	3.08E+01	U
FH	ONS-N	486333001	7/18/2019	Ag-108m	4.49E-01	1.42E+00	4.80E+00	U
FH	ONS-N	486333001	7/18/2019	Ag-110m	-1.79E+00	2.99E+00	8.37E+00	U
FH	ONS-N	486333001	7/18/2019	Ba-140	4.82E+00	1.63E+01	5.43E+01	U
FH	ONS-N	486333001	7/18/2019	Be-7	3.20E+01	1.67E+01	5.52E+01	U
FH	ONS-N	486333001	7/18/2019	Ce-141	4.41E+00	5.76E+00	1.01E+01	U
FH	ONS-N	486333001	7/18/2019	Ce-144	1.01E+01	1.01E+01	3.32E+01	U
FH	ONS-N	486333001	7/18/2019	Co-57	7.87E-01	1.24E+00	4.10E+00	U
FH	ONS-N	486333001	7/18/2019	Co-58	-1.02E+00	2.00E+00	6.02E+00	U
FH	ONS-N	486333001	7/18/2019	Co-60	-6.71E+00	3.28E+00	6.57E+00	U
FH	ONS-N	486333001	7/18/2019	Cr-51	4.15E+01	2.28E+01	7.54E+01	U
FH	ONS-N	486333001	7/18/2019	Cs-134	-5.83E-01	2.50E+00	6.90E+00	U
FH	ONS-N	486333001	7/18/2019	Cs-137	2.79E+00	2.17E+00	7.18E+00	U
FH	ONS-N	486333001	7/18/2019	Fe-59	1.33E+01	6.80E+00	2.25E+01	U
FH	ONS-N	486333001	7/18/2019	I-131	-3.06E+00	8.09E+00	2.39E+01	U
FH	ONS-N	486333001	7/18/2019	K-40	2.87E+03	1.76E+02	6.33E+01	
FH	ONS-N	486333001	7/18/2019	La-140	-5.28E-02	5.29E+00	1.70E+01	U
FH	ONS-N	486333001	7/18/2019	Mn-54	2.98E-01	1.83E+00	6.26E+00	U
FH	ONS-N	486333001	7/18/2019	Nb-95	-1.88E+00	2.63E+00	6.87E+00	U
FH	ONS-N	486333001	7/18/2019	Ru-103	4.09E-01	2.26E+00	7.54E+00	U
FH	ONS-N	486333001	7/18/2019	Ru-106	-8.11E-01	1.55E+01	5.02E+01	U
FH	ONS-N	486333001	7/18/2019	Sb-124	1.07E+01	6.13E+00	2.07E+01	U
FH	ONS-N	486333001	7/18/2019	Sb-125	1.54E+00	3.95E+00	1.34E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
FH	ONS-N	486333001	7/18/2019	Se-75	-2.29E+00	2.61E+00	6.93E+00	U
FH	ONS-N	486333001	7/18/2019	Th-228	6.69E+00	4.82E+00	1.14E+01	U
FH	ONS-N	486333001	7/18/2019	Zn-65	6.26E-01	4.90E+00	1.61E+01	U
FH	ONS-N	486333001	7/18/2019	Zr-95	1.05E+01	4.66E+00	1.28E+01	U
FH	ONS-S	486333002	7/18/2019	Ac-228	1.67E+01	1.53E+01	4.93E+01	U
FH	ONS-S	486333002	7/18/2019	Ag-108m	1.06E+00	2.84E+00	9.42E+00	U
FH	ONS-S	486333002	7/18/2019	Ag-110m	7.61E-03	5.93E+00	1.75E+01	U
FH	ONS-S	486333002	7/18/2019	Ba-140	1.41E+01	2.77E+01	9.22E+01	U
FH	ONS-S	486333002	7/18/2019	Be-7	-4.85E+00	3.87E+01	9.15E+01	U
FH	ONS-S	486333002	7/18/2019	Ce-141	-8.27E+00	5.42E+00	1.54E+01	U
FH	ONS-S	486333002	7/18/2019	Ce-144	-1.18E+01	1.34E+01	4.33E+01	U
FH	ONS-S	486333002	7/18/2019	Co-57	7.87E-01	1.72E+00	5.96E+00	U
FH	ONS-S	486333002	7/18/2019	Co-58	-4.10E-01	3.69E+00	1.23E+01	U
FH	ONS-S	486333002	7/18/2019	Co-60	5.81E+00	4.12E+00	1.48E+01	U
FH	ONS-S	486333002	7/18/2019	Cr-51	7.32E+00	3.38E+01	1.13E+02	U
FH	ONS-S	486333002	7/18/2019	Cs-134	-4.21E-02	3.99E+00	1.34E+01	U
FH	ONS-S	486333002	7/18/2019	Cs-137	1.37E+01	4.57E+00	1.39E+01	U
FH	ONS-S	486333002	7/18/2019	Fe-59	9.29E+00	9.75E+00	3.41E+01	U
FH	ONS-S	486333002	7/18/2019	I-131	5.57E+00	1.39E+01	4.64E+01	U
FH	ONS-S	486333002	7/18/2019	K-40	2.77E+03	2.14E+02	1.14E+02	
FH	ONS-S	486333002	7/18/2019	La-140	1.10E+01	9.07E+00	3.41E+01	U
FH	ONS-S	486333002	7/18/2019	Mn-54	-4.34E+00	3.73E+00	1.09E+01	U
FH	ONS-S	486333002	7/18/2019	Nb-95	7.31E+00	4.26E+00	1.57E+01	U
FH	ONS-S	486333002	7/18/2019	Ru-103	-6.32E-01	4.02E+00	1.28E+01	U
FH	ONS-S	486333002	7/18/2019	Ru-106	5.54E+00	2.65E+01	8.60E+01	U
FH	ONS-S	486333002	7/18/2019	Sb-124	-1.49E+01	1.33E+01	3.47E+01	U
FH	ONS-S	486333002	7/18/2019	Sb-125	-5.90E+00	8.41E+00	2.57E+01	U
FH	ONS-S	486333002	7/18/2019	Se-75	3.27E+00	3.87E+00	1.32E+01	U
FH	ONS-S	486333002	7/18/2019	Th-228	4.37E+00	7.54E+00	1.95E+01	U
FH	ONS-S	486333002	7/18/2019	Zn-65	-4.60E+00	1.05E+01	3.34E+01	U
FH	ONS-S	486333002	7/18/2019	Zr-95	-2.20E+00	7.17E+00	2.36E+01	U
FH	OFS-N	486332001	7/25/2019	Ac-228	5.71E+01	2.11E+01	4.76E+01	UI
FH	OFS-N	486332001	7/25/2019	Ag-108m	-6.22E-01	1.93E+00	6.10E+00	U
FH	OFS-N	486332001	7/25/2019	Ag-110m	8.11E+00	4.23E+00	1.39E+01	U
FH	OFS-N	486332001	7/25/2019	Ba-140	1.23E+01	1.47E+01	5.02E+01	U
FH	OFS-N	486332001	7/25/2019	Be-7	1.71E+01	2.22E+01	7.49E+01	U
FH	OFS-N	486332001	7/25/2019	Ce-141	-8.37E+00	5.36E+00	1.37E+01	U
FH	OFS-N	486332001	7/25/2019	Ce-144	1.17E+01	1.48E+01	4.79E+01	U
FH	OFS-N	486332001	7/25/2019	Co-57	-1.57E+00	2.29E+00	6.94E+00	U
FH	OFS-N	486332001	7/25/2019	Co-58	6.72E-02	2.64E+00	8.83E+00	U
FH	OFS-N	486332001	7/25/2019	Co-60	6.34E+00	3.16E+00	1.14E+01	U
FH	OFS-N	486332001	7/25/2019	Cr-51	4.28E+01	2.79E+01	8.79E+01	U
FH	OFS-N	486332001	7/25/2019	Cs-134	1.26E+00	2.96E+00	1.02E+01	U
FH	OFS-N	486332001	7/25/2019	Cs-137	1.16E+01	6.04E+00	8.31E+00	UI
FH	OFS-N	486332001	7/25/2019	Fe-59	-4.38E-02	6.63E+00	2.16E+01	U
FH	OFS-N	486332001	7/25/2019	I-131	-2.66E+00	7.67E+00	2.19E+01	U
FH	OFS-N	486332001	7/25/2019	K-40	2.40E+03	1.87E+02	1.13E+02	
FH	OFS-N	486332001	7/25/2019	La-140	-8.60E+00	5.64E+00	1.25E+01	U
FH	OFS-N	486332001	7/25/2019	Mn-54	1.61E+00	2.70E+00	9.34E+00	U
FH	OFS-N	486332001	7/25/2019	Nb-95	5.70E-01	3.00E+00	1.02E+01	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
FH	OFS-N	486332001	7/25/2019	Ru-103	-3.14E+00	2.88E+00	8.13E+00	U
FH	OFS-N	486332001	7/25/2019	Ru-106	2.99E+01	2.20E+01	7.49E+01	U
FH	OFS-N	486332001	7/25/2019	Sb-124	-7.48E+00	6.40E+00	1.61E+01	U
FH	OFS-N	486332001	7/25/2019	Sb-125	3.50E-01	6.90E+00	2.26E+01	U
FH	OFS-N	486332001	7/25/2019	Se-75	1.63E+00	3.15E+00	1.08E+01	U
FH	OFS-N	486332001	7/25/2019	Th-228	-5.10E+00	5.35E+00	1.64E+01	U
FH	OFS-N	486332001	7/25/2019	Zn-65	-2.90E+00	6.84E+00	2.13E+01	U
FH	OFS-N	486332001	7/25/2019	Zr-95	8.07E-01	5.65E+00	1.92E+01	U
FH	OFS-N	488723001	8/20/2019	Ac-228	-4.29E+01	2.06E+01	5.36E+01	U
FH	OFS-N	488723001	8/20/2019	Ag-108m	-4.73E+00	4.10E+00	1.05E+01	U
FH	OFS-N	488723001	8/20/2019	Ag-110m	-6.41E+00	4.85E+00	1.36E+01	U
FH	OFS-N	488723001	8/20/2019	Ba-140	1.42E+00	2.59E+01	7.51E+01	U
FH	OFS-N	488723001	8/20/2019	Be-7	2.23E+01	3.36E+01	1.13E+02	U
FH	OFS-N	488723001	8/20/2019	Ce-141	-2.79E+00	6.30E+00	1.90E+01	U
FH	OFS-N	488723001	8/20/2019	Ce-144	-2.14E+01	2.13E+01	6.87E+01	U
FH	OFS-N	488723001	8/20/2019	Co-57	5.71E-01	2.47E+00	7.79E+00	U
FH	OFS-N	488723001	8/20/2019	Co-58	-3.31E+00	3.91E+00	1.22E+01	U
FH	OFS-N	488723001	8/20/2019	Co-60	2.62E+01	8.58E+00	1.99E+01	UI
FH	OFS-N	488723001	8/20/2019	Cr-51	-9.31E+01	4.18E+01	1.02E+02	U
FH	OFS-N	488723001	8/20/2019	Cs-134	6.56E-01	3.89E+00	1.19E+01	U
FH	OFS-N	488723001	8/20/2019	Cs-137	1.57E+01	6.52E+00	2.00E+01	U
FH	OFS-N	488723001	8/20/2019	Fe-59	9.38E+00	8.85E+00	3.10E+01	U
FH	OFS-N	488723001	8/20/2019	I-131	-1.66E+01	8.50E+00	2.18E+01	U
FH	OFS-N	488723001	8/20/2019	K-40	2.86E+03	2.19E+02	1.30E+02	
FH	OFS-N	488723001	8/20/2019	La-140	2.31E+00	5.55E+00	1.73E+01	U
FH	OFS-N	488723001	8/20/2019	Mn-54	-4.60E+00	3.55E+00	1.02E+01	U
FH	OFS-N	488723001	8/20/2019	Nb-95	8.25E-01	4.19E+00	1.35E+01	U
FH	OFS-N	488723001	8/20/2019	Ru-103	4.15E+00	4.18E+00	1.41E+01	U
FH	OFS-N	488723001	8/20/2019	Ru-106	-2.78E+01	3.79E+01	1.13E+02	U
FH	OFS-N	488723001	8/20/2019	Sb-124	-1.04E+01	9.11E+00	2.30E+01	U
FH	OFS-N	488723001	8/20/2019	Sb-125	-1.26E-01	9.64E+00	3.16E+01	U
FH	OFS-N	488723001	8/20/2019	Se-75	5.05E+00	4.57E+00	1.56E+01	U
FH	OFS-N	488723001	8/20/2019	Th-228	3.48E+00	1.21E+01	2.49E+01	U
FH	OFS-N	488723001	8/20/2019	Zn-65	-6.75E+00	8.61E+00	2.62E+01	U
FH	OFS-N	488723001	8/20/2019	Zr-95	-3.49E+00	7.27E+00	1.90E+01	U
FH	OFS-N	488723002	8/20/2019	Ac-228	-4.76E+00	1.07E+01	3.68E+01	U
FH	OFS-N	488723002	8/20/2019	Ag-108m	-8.02E-01	1.78E+00	5.66E+00	U
FH	OFS-N	488723002	8/20/2019	Ag-110m	-1.22E+00	3.09E+00	9.94E+00	U
FH	OFS-N	488723002	8/20/2019	Ba-140	-1.72E+00	1.25E+01	4.00E+01	U
FH	OFS-N	488723002	8/20/2019	Be-7	1.06E+01	1.89E+01	6.33E+01	U
FH	OFS-N	488723002	8/20/2019	Ce-141	2.47E+00	5.55E+00	1.10E+01	U
FH	OFS-N	488723002	8/20/2019	Ce-144	6.81E+00	1.18E+01	3.86E+01	U
FH	OFS-N	488723002	8/20/2019	Co-57	-1.81E+00	1.56E+00	4.63E+00	U
FH	OFS-N	488723002	8/20/2019	Co-58	-9.46E-01	2.17E+00	7.02E+00	U
FH	OFS-N	488723002	8/20/2019	Co-60	-1.15E+00	2.54E+00	7.72E+00	U
FH	OFS-N	488723002	8/20/2019	Cr-51	-1.07E+00	2.77E+01	6.64E+01	U
FH	OFS-N	488723002	8/20/2019	Cs-134	-1.08E+00	2.62E+00	7.76E+00	U
FH	OFS-N	488723002	8/20/2019	Cs-137	2.05E+01	4.50E+00	7.97E+00	M
FH	OFS-N	488723002	8/20/2019	Fe-59	-4.17E+00	5.79E+00	1.76E+01	U
FH	OFS-N	488723002	8/20/2019	I-131	-2.76E+00	3.72E+00	1.17E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
FH	OFS-N	488723002	8/20/2019	K-40	3.16E+03	2.01E+02	6.41E+01	
FH	OFS-N	488723002	8/20/2019	La-140	3.17E+00	4.07E+00	1.45E+01	U
FH	OFS-N	488723002	8/20/2019	Mn-54	5.08E-01	2.55E+00	8.62E+00	U
FH	OFS-N	488723002	8/20/2019	Nb-95	1.80E+00	2.44E+00	8.47E+00	U
FH	OFS-N	488723002	8/20/2019	Ru-103	4.10E+00	2.52E+00	8.35E+00	U
FH	OFS-N	488723002	8/20/2019	Ru-106	4.47E+01	2.21E+01	6.78E+01	U
FH	OFS-N	488723002	8/20/2019	Sb-124	3.32E+00	4.97E+00	1.77E+01	U
FH	OFS-N	488723002	8/20/2019	Sb-125	-1.19E+01	5.84E+00	1.43E+01	U
FH	OFS-N	488723002	8/20/2019	Se-75	1.14E+01	1.14E+01	7.39E+00	UI
FH	OFS-N	488723002	8/20/2019	Th-228	1.57E+00	4.01E+00	1.35E+01	U
FH	OFS-N	488723002	8/20/2019	Zn-65	1.93E+00	5.43E+00	1.61E+01	U
FH	OFS-N	488723002	8/20/2019	Zr-95	-4.49E+00	3.85E+00	1.14E+01	U
FH	ONS-N	497669001	11/25/2019	Ac-228	-8.56E+00	1.03E+01	2.77E+01	U
FH	ONS-N	497669001	11/25/2019	Ag-108m	-4.46E-01	1.39E+00	4.45E+00	U
FH	ONS-N	497669001	11/25/2019	Ag-110m	1.99E-01	2.67E+00	8.92E+00	U
FH	ONS-N	497669001	11/25/2019	Ba-140	-4.30E+00	1.11E+01	3.04E+01	U
FH	ONS-N	497669001	11/25/2019	Be-7	2.49E+01	1.76E+01	5.55E+01	U
FH	ONS-N	497669001	11/25/2019	Ce-141	-1.31E+01	5.08E+00	8.71E+00	U
FH	ONS-N	497669001	11/25/2019	Ce-144	8.22E+00	1.07E+01	3.43E+01	U
FH	ONS-N	497669001	11/25/2019	Co-57	-1.03E+00	1.39E+00	4.23E+00	U
FH	ONS-N	497669001	11/25/2019	Co-58	-9.46E-01	2.05E+00	5.72E+00	U
FH	ONS-N	497669001	11/25/2019	Co-60	8.19E-02	2.02E+00	6.50E+00	U
FH	ONS-N	497669001	11/25/2019	Cr-51	2.19E+00	2.06E+01	5.70E+01	U
FH	ONS-N	497669001	11/25/2019	Cs-134	-1.79E-01	2.11E+00	7.02E+00	U
FH	ONS-N	497669001	11/25/2019	Cs-137	1.84E+01	3.25E+00	5.16E+00	M
FH	ONS-N	497669001	11/25/2019	Fe-59	3.85E-01	4.46E+00	1.46E+01	U
FH	ONS-N	497669001	11/25/2019	I-131	4.37E+00	3.92E+00	1.31E+01	U
FH	ONS-N	497669001	11/25/2019	K-40	2.24E+03	1.52E+02	5.68E+01	
FH	ONS-N	497669001	11/25/2019	La-140	1.23E+00	2.39E+00	8.50E+00	U
FH	ONS-N	497669001	11/25/2019	Mn-54	2.43E+00	2.01E+00	6.88E+00	U
FH	ONS-N	497669001	11/25/2019	Nb-95	-1.77E+00	1.98E+00	6.16E+00	U
FH	ONS-N	497669001	11/25/2019	Ru-103	-1.39E+00	2.01E+00	6.18E+00	U
FH	ONS-N	497669001	11/25/2019	Ru-106	1.94E+01	1.65E+01	5.41E+01	U
FH	ONS-N	497669001	11/25/2019	Sb-124	3.09E-01	4.07E+00	1.36E+01	U
FH	ONS-N	497669001	11/25/2019	Sb-125	3.92E+00	4.56E+00	1.52E+01	U
FH	ONS-N	497669001	11/25/2019	Se-75	2.38E+00	2.35E+00	7.95E+00	U
FH	ONS-N	497669001	11/25/2019	Th-228	-3.54E+00	4.25E+00	1.16E+01	U
FH	ONS-N	497669001	11/25/2019	Zn-65	8.45E+00	7.14E+00	1.42E+01	U
FH	ONS-N	497669001	11/25/2019	Zr-95	1.49E+00	3.39E+00	1.16E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
SE	SL-2	479388023	5/14/2019	Ac-228	7.54E+02	9.91E+01	9.39E+01	
SE	SL-2	479388023	5/14/2019	Ag-108m	-3.11E+00	5.93E+00	2.07E+01	U
SE	SL-2	479388023	5/14/2019	Ag-110m	-2.01E+01	1.10E+01	2.57E+01	U
SE	SL-2	479388023	5/14/2019	Ba-140	-2.25E+01	3.96E+01	1.34E+02	U
SE	SL-2	479388023	5/14/2019	Be-7	1.06E+02	7.20E+01	2.62E+02	U
SE	SL-2	479388023	5/14/2019	Ce-141	-1.54E+01	1.42E+01	4.78E+01	U
SE	SL-2	479388023	5/14/2019	Ce-144	-2.07E+01	4.71E+01	1.68E+02	U
SE	SL-2	479388023	5/14/2019	Co-57	2.19E+00	5.49E+00	2.04E+01	U
SE	SL-2	479388023	5/14/2019	Co-58	7.89E+00	8.18E+00	2.91E+01	U
SE	SL-2	479388023	5/14/2019	Co-60	3.95E+00	8.94E+00	3.17E+01	U
SE	SL-2	479388023	5/14/2019	Cr-51	-1.46E+02	7.75E+01	2.37E+02	U
SE	SL-2	479388023	5/14/2019	Cs-134	2.58E+01	2.25E+01	4.33E+01	U
SE	SL-2	479388023	5/14/2019	Cs-137	1.56E+01	9.82E+00	3.24E+01	U
SE	SL-2	479388023	5/14/2019	Fe-59	-1.07E+01	1.42E+01	4.54E+01	U
SE	SL-2	479388023	5/14/2019	I-131	-2.68E+01	1.71E+01	4.73E+01	U
SE	SL-2	479388023	5/14/2019	K-40	2.95E+03	3.37E+02	2.57E+02	
SE	SL-2	479388023	5/14/2019	La-140	-6.61E+00	1.45E+01	3.86E+01	U
SE	SL-2	479388023	5/14/2019	Mn-54	1.31E+01	8.70E+00	3.07E+01	U
SE	SL-2	479388023	5/14/2019	Nb-95	2.86E+00	9.70E+00	3.02E+01	U
SE	SL-2	479388023	5/14/2019	Ru-103	-7.52E+00	7.22E+00	2.33E+01	U
SE	SL-2	479388023	5/14/2019	Ru-106	6.71E+01	6.72E+01	2.44E+02	U
SE	SL-2	479388023	5/14/2019	Sb-124	-1.59E+00	1.57E+01	5.13E+01	U
SE	SL-2	479388023	5/14/2019	Sb-125	3.70E+01	2.18E+01	7.90E+01	U
SE	SL-2	479388023	5/14/2019	Se-75	-7.13E+00	9.95E+00	3.63E+01	U
SE	SL-2	479388023	5/14/2019	Th-228	9.22E+02	6.12E+01	4.48E+01	
SE	SL-2	479388023	5/14/2019	Zn-65	-7.57E+00	1.94E+01	5.70E+01	U
SE	SL-2	479388023	5/14/2019	Zr-95	-1.03E+01	1.55E+01	4.94E+01	U
SE	SL-3	479388024	5/14/2019	Ac-228	1.49E+02	9.46E+01	8.53E+01	UI
SE	SL-3	479388024	5/14/2019	Ag-108m	1.16E+00	5.70E+00	2.06E+01	U
SE	SL-3	479388024	5/14/2019	Ag-110m	1.48E+01	1.03E+01	3.81E+01	U
SE	SL-3	479388024	5/14/2019	Ba-140	1.02E+01	3.29E+01	1.17E+02	U
SE	SL-3	479388024	5/14/2019	Be-7	2.66E+01	6.01E+01	2.17E+02	U
SE	SL-3	479388024	5/14/2019	Ce-141	1.58E+01	2.55E+01	3.89E+01	U
SE	SL-3	479388024	5/14/2019	Ce-144	1.01E+01	3.84E+01	1.41E+02	U
SE	SL-3	479388024	5/14/2019	Co-57	2.05E+00	4.89E+00	1.81E+01	U
SE	SL-3	479388024	5/14/2019	Co-58	3.78E+00	6.74E+00	2.42E+01	U
SE	SL-3	479388024	5/14/2019	Co-60	2.08E+00	7.47E+00	2.58E+01	U
SE	SL-3	479388024	5/14/2019	Cr-51	2.18E+01	5.78E+01	2.17E+02	U
SE	SL-3	479388024	5/14/2019	Cs-134	-6.30E+00	8.40E+00	2.78E+01	U
SE	SL-3	479388024	5/14/2019	Cs-137	1.05E+01	8.63E+00	3.07E+01	U
SE	SL-3	479388024	5/14/2019	Fe-59	1.02E+01	1.50E+01	5.42E+01	U
SE	SL-3	479388024	5/14/2019	I-131	-1.87E+01	1.31E+01	4.10E+01	U
SE	SL-3	479388024	5/14/2019	K-40	4.16E+03	3.90E+02	2.92E+02	
SE	SL-3	479388024	5/14/2019	La-140	-6.24E+00	1.30E+01	3.91E+01	U
SE	SL-3	479388024	5/14/2019	Mn-54	-7.27E+00	8.23E+00	2.25E+01	U
SE	SL-3	479388024	5/14/2019	Nb-95	-1.16E+00	7.19E+00	2.54E+01	U
SE	SL-3	479388024	5/14/2019	Ru-103	4.33E-02	6.75E+00	2.37E+01	U
SE	SL-3	479388024	5/14/2019	Ru-106	-8.84E+00	6.68E+01	2.26E+02	U
SE	SL-3	479388024	5/14/2019	Sb-124	-2.64E+01	1.75E+01	4.12E+01	U
SE	SL-3	479388024	5/14/2019	Sb-125	9.70E+00	2.10E+01	7.64E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
SE	SL-3	479388024	5/14/2019	Se-75	5.29E+00	8.76E+00	3.34E+01	U
SE	SL-3	479388024	5/14/2019	Th-228	2.43E+02	3.14E+01	4.11E+01	
SE	SL-3	479388024	5/14/2019	Zn-65	4.14E+00	1.97E+01	6.05E+01	U
SE	SL-3	479388024	5/14/2019	Zr-95	-7.74E+00	1.41E+01	4.83E+01	U
SE	SL-2	493301001	10/15/2019	Ac-228	3.11E+02	6.50E+01	7.95E+01	
SE	SL-2	493301001	10/15/2019	Ag-108m	6.53E+00	4.86E+00	1.71E+01	U
SE	SL-2	493301001	10/15/2019	Ag-110m	-9.38E+00	9.63E+00	2.85E+01	U
SE	SL-2	493301001	10/15/2019	Ba-140	-2.97E+00	1.08E+02	3.71E+02	U
SE	SL-2	493301001	10/15/2019	Be-7	3.88E+01	6.21E+01	2.19E+02	U
SE	SL-2	493301001	10/15/2019	Ce-141	8.70E+00	1.49E+01	5.14E+01	U
SE	SL-2	493301001	10/15/2019	Ce-144	-5.30E+01	4.07E+01	1.17E+02	U
SE	SL-2	493301001	10/15/2019	Co-57	-2.77E+00	4.43E+00	1.49E+01	U
SE	SL-2	493301001	10/15/2019	Co-58	8.02E-01	8.14E+00	2.70E+01	U
SE	SL-2	493301001	10/15/2019	Co-60	-6.04E+00	5.82E+00	1.71E+01	U
SE	SL-2	493301001	10/15/2019	Cr-51	-1.29E+01	8.87E+01	3.16E+02	U
SE	SL-2	493301001	10/15/2019	Cs-134	2.04E+01	1.00E+01	2.71E+01	U
SE	SL-2	493301001	10/15/2019	Cs-137	7.73E+00	8.96E+00	2.03E+01	U
SE	SL-2	493301001	10/15/2019	Fe-59	-5.86E+00	1.73E+01	5.78E+01	U
SE	SL-2	493301001	10/15/2019	I-131	8.26E+01	7.49E+01	2.68E+02	U
SE	SL-2	493301001	10/15/2019	K-40	3.89E+03	3.07E+02	2.11E+02	
SE	SL-2	493301001	10/15/2019	La-140	2.12E+01	3.26E+01	1.04E+02	U
SE	SL-2	493301001	10/15/2019	Mn-54	2.47E+00	6.40E+00	2.15E+01	U
SE	SL-2	493301001	10/15/2019	Nb-95	-6.38E+00	9.91E+00	2.75E+01	U
SE	SL-2	493301001	10/15/2019	Ru-103	-1.05E+01	8.04E+00	2.44E+01	U
SE	SL-2	493301001	10/15/2019	Ru-106	8.86E+00	4.85E+01	1.66E+02	U
SE	SL-2	493301001	10/15/2019	Sb-124	2.56E+01	1.57E+01	5.73E+01	U
SE	SL-2	493301001	10/15/2019	Sb-125	-3.97E+00	1.48E+01	5.09E+01	U
SE	SL-2	493301001	10/15/2019	Se-75	-1.83E+01	8.80E+00	2.42E+01	U
SE	SL-2	493301001	10/15/2019	Th-228	4.77E+02	3.33E+01	3.14E+01	
SE	SL-2	493301001	10/15/2019	Zn-65	-2.31E+01	1.72E+01	4.29E+01	U
SE	SL-2	493301001	10/15/2019	Zr-95	6.22E+00	1.42E+01	4.81E+01	U
SE	SL-3	493301002	10/15/2019	Ac-228	1.75E+01	4.90E+01	1.77E+02	U
SE	SL-3	493301002	10/15/2019	Ag-108m	-4.36E+00	7.25E+00	2.41E+01	U
SE	SL-3	493301002	10/15/2019	Ag-110m	-1.69E+01	1.39E+01	4.10E+01	U
SE	SL-3	493301002	10/15/2019	Ba-140	1.84E+01	4.06E+01	1.44E+02	U
SE	SL-3	493301002	10/15/2019	Be-7	8.20E+01	8.29E+01	2.99E+02	U
SE	SL-3	493301002	10/15/2019	Ce-141	6.78E+00	2.22E+01	4.35E+01	U
SE	SL-3	493301002	10/15/2019	Ce-144	1.04E+02	7.64E+01	1.55E+02	U
SE	SL-3	493301002	10/15/2019	Co-57	-5.02E+00	6.43E+00	2.17E+01	U
SE	SL-3	493301002	10/15/2019	Co-58	5.99E+00	9.04E+00	3.14E+01	U
SE	SL-3	493301002	10/15/2019	Co-60	2.17E+00	1.15E+01	3.89E+01	U
SE	SL-3	493301002	10/15/2019	Cr-51	1.37E+01	8.27E+01	3.02E+02	U
SE	SL-3	493301002	10/15/2019	Cs-134	2.02E+01	1.22E+01	4.28E+01	U
SE	SL-3	493301002	10/15/2019	Cs-137	-5.78E+00	1.10E+01	3.50E+01	U
SE	SL-3	493301002	10/15/2019	Fe-59	-3.53E+01	2.26E+01	5.45E+01	U
SE	SL-3	493301002	10/15/2019	I-131	1.75E+00	1.38E+01	4.96E+01	U
SE	SL-3	493301002	10/15/2019	K-40	5.80E+03	5.37E+02	3.58E+02	
SE	SL-3	493301002	10/15/2019	La-140	1.11E+01	1.41E+01	5.11E+01	U
SE	SL-3	493301002	10/15/2019	Mn-54	-1.18E+01	1.01E+01	3.06E+01	U
SE	SL-3	493301002	10/15/2019	Nb-95	-9.61E+00	1.02E+01	2.97E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
SE	SL-3	493301002	10/15/2019	Ru-103	-5.48E+00	9.48E+00	3.11E+01	U
SE	SL-3	493301002	10/15/2019	Ru-106	1.54E+02	8.72E+01	3.11E+02	U
SE	SL-3	493301002	10/15/2019	Sb-124	3.75E+00	2.66E+01	8.74E+01	U
SE	SL-3	493301002	10/15/2019	Sb-125	-1.52E+01	2.36E+01	7.83E+01	U
SE	SL-3	493301002	10/15/2019	Se-75	1.66E+00	1.06E+01	3.95E+01	U
SE	SL-3	493301002	10/15/2019	Th-228	1.73E+02	3.50E+01	5.63E+01	
SE	SL-3	493301002	10/15/2019	Zn-65	-5.81E-01	2.48E+01	7.38E+01	U
SE	SL-3	493301002	10/15/2019	Zr-95	7.41E+00	1.78E+01	6.07E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TF	ONS5-G	488641007	8/22/2019	Ac-228	2.26E+01	2.92E+01	7.57E+01	U
TF	ONS5-G	488641007	8/22/2019	Ag-108m	2.68E+00	3.16E+00	1.09E+01	U
TF	ONS5-G	488641007	8/22/2019	Ag-110m	2.31E+00	4.58E+00	1.56E+01	U
TF	ONS5-G	488641007	8/22/2019	Ba-140	-1.53E+01	1.58E+01	4.53E+01	U
TF	ONS5-G	488641007	8/22/2019	Be-7	1.42E+02	5.20E+01	9.73E+01	
TF	ONS5-G	488641007	8/22/2019	Ce-141	-9.29E+00	9.27E+00	2.00E+01	U
TF	ONS5-G	488641007	8/22/2019	Ce-144	-1.87E+01	2.26E+01	7.22E+01	U
TF	ONS5-G	488641007	8/22/2019	Co-57	2.38E-01	2.94E+00	1.00E+01	U
TF	ONS5-G	488641007	8/22/2019	Co-58	2.58E-01	4.50E+00	1.46E+01	U
TF	ONS5-G	488641007	8/22/2019	Co-60	-3.59E+00	3.95E+00	1.13E+01	U
TF	ONS5-G	488641007	8/22/2019	Cr-51	7.71E+00	2.98E+01	1.00E+02	U
TF	ONS5-G	488641007	8/22/2019	Cs-134	-1.60E+00	4.70E+00	1.24E+01	U
TF	ONS5-G	488641007	8/22/2019	Cs-137	-1.57E+00	4.24E+00	1.25E+01	U
TF	ONS5-G	488641007	8/22/2019	Fe-59	-1.24E+01	8.64E+00	1.98E+01	U
TF	ONS5-G	488641007	8/22/2019	I-131	-6.87E+00	5.45E+00	1.56E+01	U
TF	ONS5-G	488641007	8/22/2019	K-40	1.48E+03	1.85E+02	1.31E+02	
TF	ONS5-G	488641007	8/22/2019	La-140	-4.39E+00	6.48E+00	1.95E+01	U
TF	ONS5-G	488641007	8/22/2019	Mn-54	7.37E+00	4.40E+00	1.46E+01	U
TF	ONS5-G	488641007	8/22/2019	Nb-95	6.78E+00	3.85E+00	1.31E+01	U
TF	ONS5-G	488641007	8/22/2019	Ru-103	5.70E+00	4.87E+00	1.15E+01	U
TF	ONS5-G	488641007	8/22/2019	Ru-106	-3.77E+01	3.07E+01	8.16E+01	U
TF	ONS5-G	488641007	8/22/2019	Sb-124	-5.41E+00	7.47E+00	2.08E+01	U
TF	ONS5-G	488641007	8/22/2019	Sb-125	9.28E-01	9.74E+00	3.17E+01	U
TF	ONS5-G	488641007	8/22/2019	Se-75	-4.67E+00	4.62E+00	1.41E+01	U
TF	ONS5-G	488641007	8/22/2019	Th-228	1.22E+01	1.22E+01	2.68E+01	U
TF	ONS5-G	488641007	8/22/2019	Zn-65	-3.14E+00	8.71E+00	2.62E+01	U
TF	ONS5-G	488641007	8/22/2019	Zr-95	1.76E+01	8.97E+00	2.91E+01	U
TF	ONS-G	490385004	9/16/2019	Ac-228	-6.59E+00	9.08E+00	2.80E+01	U
TF	ONS-G	490385004	9/16/2019	Ag-108m	-1.32E-01	1.49E+00	4.87E+00	U
TF	ONS-G	490385004	9/16/2019	Ag-110m	4.23E-02	2.66E+00	7.99E+00	U
TF	ONS-G	490385004	9/16/2019	Ba-140	8.74E+00	8.88E+00	2.97E+01	U
TF	ONS-G	490385004	9/16/2019	Be-7	7.63E+01	3.54E+01	4.70E+01	
TF	ONS-G	490385004	9/16/2019	Ce-141	4.64E-01	3.72E+00	9.88E+00	U
TF	ONS-G	490385004	9/16/2019	Ce-144	-1.30E+01	1.30E+01	3.76E+01	U
TF	ONS-G	490385004	9/16/2019	Co-57	-9.03E-01	1.40E+00	4.65E+00	U
TF	ONS-G	490385004	9/16/2019	Co-58	-2.31E+00	2.08E+00	5.88E+00	U
TF	ONS-G	490385004	9/16/2019	Co-60	-7.49E-01	1.80E+00	5.73E+00	U
TF	ONS-G	490385004	9/16/2019	Cr-51	-1.87E+01	1.79E+01	5.51E+01	U
TF	ONS-G	490385004	9/16/2019	Cs-134	-1.65E+00	2.27E+00	5.86E+00	U
TF	ONS-G	490385004	9/16/2019	Cs-137	1.48E+00	1.67E+00	5.55E+00	U
TF	ONS-G	490385004	9/16/2019	Fe-59	-5.99E+00	4.64E+00	1.30E+01	U
TF	ONS-G	490385004	9/16/2019	I-131	6.11E-01	3.47E+00	1.15E+01	U
TF	ONS-G	490385004	9/16/2019	K-40	3.02E+03	1.87E+02	6.27E+01	
TF	ONS-G	490385004	9/16/2019	La-140	1.53E+00	2.97E+00	1.02E+01	U
TF	ONS-G	490385004	9/16/2019	Mn-54	6.61E-01	1.81E+00	5.86E+00	U
TF	ONS-G	490385004	9/16/2019	Nb-95	1.48E+00	2.02E+00	6.61E+00	U
TF	ONS-G	490385004	9/16/2019	Ru-103	-3.09E+00	2.06E+00	5.79E+00	U
TF	ONS-G	490385004	9/16/2019	Ru-106	6.94E+00	1.48E+01	4.86E+01	U
TF	ONS-G	490385004	9/16/2019	Sb-124	1.94E+00	3.63E+00	1.25E+01	U
TF	ONS-G	490385004	9/16/2019	Sb-125	-7.48E-01	4.53E+00	1.47E+01	U
TF	ONS-G	490385004	9/16/2019	Se-75	2.23E+00	2.24E+00	7.55E+00	U
TF	ONS-G	490385004	9/16/2019	Th-228	3.91E-01	5.69E+00	1.14E+01	U
TF	ONS-G	490385004	9/16/2019	Zn-65	-2.18E+00	4.54E+00	1.47E+01	U
TF	ONS-G	490385004	9/16/2019	Zr-95	3.74E+00	3.57E+00	1.18E+01	U
TF	OFS2-G	490385009	9/16/2019	Ac-228	5.48E+00	1.04E+01	3.31E+01	U
TF	OFS2-G	490385009	9/16/2019	Ag-108m	1.37E+00	1.57E+00	5.40E+00	U
TF	OFS2-G	490385009	9/16/2019	Ag-110m	2.22E-01	3.53E+00	1.02E+01	U
TF	OFS2-G	490385009	9/16/2019	Ba-140	-3.17E-01	1.04E+01	3.46E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TF	OFS2-G	490385009	9/16/2019	Be-7	1.83E+02	3.68E+01	4.67E+01	
TF	OFS2-G	490385009	9/16/2019	Ce-141	2.78E+00	2.92E+00	8.90E+00	U
TF	OFS2-G	490385009	9/16/2019	Ce-144	5.36E+00	1.03E+01	3.36E+01	U
TF	OFS2-G	490385009	9/16/2019	Co-57	5.61E-01	1.59E+00	4.57E+00	U
TF	OFS2-G	490385009	9/16/2019	Co-58	-5.07E-01	2.13E+00	6.03E+00	U
TF	OFS2-G	490385009	9/16/2019	Co-60	-9.31E+00	3.44E+00	6.45E+00	U
TF	OFS2-G	490385009	9/16/2019	Cr-51	-1.83E+01	1.69E+01	5.36E+01	U
TF	OFS2-G	490385009	9/16/2019	Cs-134	8.43E-01	2.34E+00	7.76E+00	U
TF	OFS2-G	490385009	9/16/2019	Cs-137	-8.84E-02	1.94E+00	6.40E+00	U
TF	OFS2-G	490385009	9/16/2019	Fe-59	1.52E+00	5.20E+00	1.69E+01	U
TF	OFS2-G	490385009	9/16/2019	I-131	2.56E+00	3.62E+00	1.26E+01	U
TF	OFS2-G	490385009	9/16/2019	K-40	4.66E+03	2.75E+02	4.95E+01	
TF	OFS2-G	490385009	9/16/2019	La-140	2.21E+00	2.90E+00	1.04E+01	U
TF	OFS2-G	490385009	9/16/2019	Mn-54	3.00E+00	2.10E+00	7.02E+00	U
TF	OFS2-G	490385009	9/16/2019	Nb-95	-9.04E-02	2.13E+00	6.94E+00	U
TF	OFS2-G	490385009	9/16/2019	Ru-103	1.16E+00	1.96E+00	6.71E+00	U
TF	OFS2-G	490385009	9/16/2019	Ru-106	9.05E+00	1.60E+01	5.42E+01	U
TF	OFS2-G	490385009	9/16/2019	Sb-124	-2.44E+00	3.71E+00	1.10E+01	U
TF	OFS2-G	490385009	9/16/2019	Sb-125	2.31E+00	4.50E+00	1.55E+01	U
TF	OFS2-G	490385009	9/16/2019	Se-75	-2.79E+00	2.62E+00	6.85E+00	U
TF	OFS2-G	490385009	9/16/2019	Th-228	-7.26E-01	4.17E+00	1.14E+01	U
TF	OFS2-G	490385009	9/16/2019	Zn-65	-4.37E+00	5.30E+00	1.55E+01	U
TF	OFS2-G	490385009	9/16/2019	Zr-95	-7.60E+00	4.35E+00	1.15E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	480641001	5/30/2019	Ac-228	-2.06E+01	2.91E+01	8.77E+01	U
TV	ONS4-V	480641001	5/30/2019	Ag-108m	1.66E-01	4.50E+00	1.49E+01	U
TV	ONS4-V	480641001	5/30/2019	Ag-110m	-6.53E+00	8.41E+00	2.63E+01	U
TV	ONS4-V	480641001	5/30/2019	Ba-140	-8.51E-01	2.98E+01	9.61E+01	U
TV	ONS4-V	480641001	5/30/2019	Be-7	1.36E+03	1.26E+02	1.46E+02	
TV	ONS4-V	480641001	5/30/2019	Ce-141	2.76E+00	8.23E+00	2.47E+01	U
TV	ONS4-V	480641001	5/30/2019	Ce-144	-3.04E+01	2.82E+01	8.42E+01	U
TV	ONS4-V	480641001	5/30/2019	Co-57	-7.34E+00	4.24E+00	1.06E+01	U
TV	ONS4-V	480641001	5/30/2019	Co-58	-3.04E+00	5.76E+00	1.86E+01	U
TV	ONS4-V	480641001	5/30/2019	Co-60	-9.99E+00	8.41E+00	2.36E+01	U
TV	ONS4-V	480641001	5/30/2019	Cr-51	3.20E+01	4.49E+01	1.53E+02	U
TV	ONS4-V	480641001	5/30/2019	Cs-134	9.52E+00	6.67E+00	2.28E+01	U
TV	ONS4-V	480641001	5/30/2019	Cs-137	7.06E+00	5.37E+00	1.78E+01	U
TV	ONS4-V	480641001	5/30/2019	Fe-59	2.47E+00	1.39E+01	4.59E+01	U
TV	ONS4-V	480641001	5/30/2019	I-131	-1.13E+01	8.98E+00	2.68E+01	U
TV	ONS4-V	480641001	5/30/2019	K-40	5.47E+03	3.80E+02	2.01E+02	
TV	ONS4-V	480641001	5/30/2019	La-140	1.02E+01	9.61E+00	3.41E+01	U
TV	ONS4-V	480641001	5/30/2019	Mn-54	3.11E+00	5.80E+00	1.98E+01	U
TV	ONS4-V	480641001	5/30/2019	Nb-95	1.12E+00	5.70E+00	1.94E+01	U
TV	ONS4-V	480641001	5/30/2019	Ru-103	3.62E-01	5.66E+00	1.85E+01	U
TV	ONS4-V	480641001	5/30/2019	Ru-106	6.11E+01	5.27E+01	1.73E+02	U
TV	ONS4-V	480641001	5/30/2019	Sb-124	7.02E+00	1.02E+01	3.57E+01	U
TV	ONS4-V	480641001	5/30/2019	Sb-125	-5.57E+00	1.32E+01	4.24E+01	U
TV	ONS4-V	480641001	5/30/2019	Se-75	-1.04E+01	6.45E+00	1.90E+01	U
TV	ONS4-V	480641001	5/30/2019	Th-228	-1.03E+01	1.09E+01	3.27E+01	U
TV	ONS4-V	480641001	5/30/2019	Zn-65	3.42E+01	1.50E+01	4.05E+01	U
TV	ONS4-V	480641001	5/30/2019	Zr-95	-5.85E+00	1.06E+01	3.43E+01	U
TV	ONS4-V	480641002	5/30/2019	Ac-228	1.14E+02	4.96E+01	8.58E+01	UI
TV	ONS4-V	480641002	5/30/2019	Ag-108m	3.28E+00	4.06E+00	1.39E+01	U
TV	ONS4-V	480641002	5/30/2019	Ag-110m	-6.26E+00	6.25E+00	1.82E+01	U
TV	ONS4-V	480641002	5/30/2019	Ba-140	9.75E-01	2.22E+01	7.44E+01	U
TV	ONS4-V	480641002	5/30/2019	Be-7	8.93E+02	1.17E+02	1.48E+02	
TV	ONS4-V	480641002	5/30/2019	Ce-141	-2.18E+01	9.49E+00	2.34E+01	U
TV	ONS4-V	480641002	5/30/2019	Ce-144	7.08E+01	3.31E+01	9.93E+01	U
TV	ONS4-V	480641002	5/30/2019	Co-57	1.03E+00	3.78E+00	1.23E+01	U
TV	ONS4-V	480641002	5/30/2019	Co-58	2.61E+00	4.85E+00	1.62E+01	U
TV	ONS4-V	480641002	5/30/2019	Co-60	-3.88E+00	7.51E+00	1.78E+01	U
TV	ONS4-V	480641002	5/30/2019	Cr-51	-4.27E+01	4.35E+01	1.40E+02	U
TV	ONS4-V	480641002	5/30/2019	Cs-134	3.72E+00	5.09E+00	1.72E+01	U
TV	ONS4-V	480641002	5/30/2019	Cs-137	8.40E+00	5.15E+00	1.35E+01	U
TV	ONS4-V	480641002	5/30/2019	Fe-59	1.39E+01	1.11E+01	3.73E+01	U
TV	ONS4-V	480641002	5/30/2019	I-131	-1.65E+00	9.01E+00	3.05E+01	U
TV	ONS4-V	480641002	5/30/2019	K-40	3.17E+03	2.47E+02	1.52E+02	
TV	ONS4-V	480641002	5/30/2019	La-140	-4.39E+00	9.70E+00	2.69E+01	U
TV	ONS4-V	480641002	5/30/2019	Mn-54	-3.20E+00	4.35E+00	1.32E+01	U
TV	ONS4-V	480641002	5/30/2019	Nb-95	-5.45E+00	6.79E+00	1.71E+01	U
TV	ONS4-V	480641002	5/30/2019	Ru-103	2.04E+00	4.51E+00	1.54E+01	U
TV	ONS4-V	480641002	5/30/2019	Ru-106	-7.02E+01	4.68E+01	1.33E+02	U
TV	ONS4-V	480641002	5/30/2019	Sb-124	-6.04E+00	1.40E+01	3.23E+01	U
TV	ONS4-V	480641002	5/30/2019	Sb-125	8.00E+00	1.23E+01	4.24E+01	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	480641002	5/30/2019	Se-75	-5.67E+00	6.74E+00	1.99E+01	U
TV	ONS4-V	480641002	5/30/2019	Th-228	1.52E+00	1.09E+01	3.08E+01	U
TV	ONS4-V	480641002	5/30/2019	Zn-65	1.28E+01	1.10E+01	3.69E+01	U
TV	ONS4-V	480641002	5/30/2019	Zr-95	8.35E+00	8.12E+00	2.54E+01	U
TV	ONS4-V	480641003	5/30/2019	Ac-228	-4.80E+01	2.28E+01	4.47E+01	U
TV	ONS4-V	480641003	5/30/2019	Ag-108m	1.94E+00	2.94E+00	1.01E+01	U
TV	ONS4-V	480641003	5/30/2019	Ag-110m	-8.93E-01	4.99E+00	1.57E+01	U
TV	ONS4-V	480641003	5/30/2019	Ba-140	-1.95E+01	1.69E+01	4.93E+01	U
TV	ONS4-V	480641003	5/30/2019	Be-7	1.68E+03	1.24E+02	9.15E+01	
TV	ONS4-V	480641003	5/30/2019	Ce-141	3.70E+00	6.61E+00	1.97E+01	U
TV	ONS4-V	480641003	5/30/2019	Ce-144	2.96E+01	2.35E+01	7.52E+01	U
TV	ONS4-V	480641003	5/30/2019	Co-57	-1.14E-02	3.11E+00	9.99E+00	U
TV	ONS4-V	480641003	5/30/2019	Co-58	2.65E+00	3.52E+00	1.18E+01	U
TV	ONS4-V	480641003	5/30/2019	Co-60	-4.97E+00	4.58E+00	1.19E+01	U
TV	ONS4-V	480641003	5/30/2019	Cr-51	-9.67E+01	4.14E+01	1.05E+02	U
TV	ONS4-V	480641003	5/30/2019	Cs-134	-1.78E+00	4.19E+00	1.30E+01	U
TV	ONS4-V	480641003	5/30/2019	Cs-137	6.87E-01	4.17E+00	1.37E+01	U
TV	ONS4-V	480641003	5/30/2019	Fe-59	-1.04E+01	8.23E+00	2.39E+01	U
TV	ONS4-V	480641003	5/30/2019	I-131	-8.49E+00	6.78E+00	2.06E+01	U
TV	ONS4-V	480641003	5/30/2019	K-40	3.18E+03	2.53E+02	1.55E+02	
TV	ONS4-V	480641003	5/30/2019	La-140	-4.20E+00	5.18E+00	1.47E+01	U
TV	ONS4-V	480641003	5/30/2019	Mn-54	1.95E+00	3.75E+00	1.24E+01	U
TV	ONS4-V	480641003	5/30/2019	Nb-95	1.43E+00	5.20E+00	9.31E+00	U
TV	ONS4-V	480641003	5/30/2019	Ru-103	-2.11E+00	3.83E+00	1.22E+01	U
TV	ONS4-V	480641003	5/30/2019	Ru-106	2.89E+01	3.13E+01	1.06E+02	U
TV	ONS4-V	480641003	5/30/2019	Sb-124	1.86E+01	1.19E+01	2.47E+01	U
TV	ONS4-V	480641003	5/30/2019	Sb-125	1.58E+01	9.12E+00	3.07E+01	U
TV	ONS4-V	480641003	5/30/2019	Se-75	3.52E-01	5.39E+00	1.78E+01	U
TV	ONS4-V	480641003	5/30/2019	Th-228	2.65E+01	1.79E+01	3.00E+01	U
TV	ONS4-V	480641003	5/30/2019	Zn-65	-4.50E+00	9.43E+00	3.07E+01	U
TV	ONS4-V	480641003	5/30/2019	Zr-95	3.57E+00	7.29E+00	2.42E+01	U
TV	ONS5-V	480641004	5/30/2019	Ac-228	-3.88E+01	2.67E+01	7.48E+01	U
TV	ONS5-V	480641004	5/30/2019	Ag-108m	3.37E+00	4.24E+00	1.45E+01	U
TV	ONS5-V	480641004	5/30/2019	Ag-110m	6.68E+00	6.49E+00	2.19E+01	U
TV	ONS5-V	480641004	5/30/2019	Ba-140	1.96E+01	2.33E+01	7.96E+01	U
TV	ONS5-V	480641004	5/30/2019	Be-7	1.61E+03	1.43E+02	1.40E+02	
TV	ONS5-V	480641004	5/30/2019	Ce-141	7.82E+00	1.51E+01	2.46E+01	U
TV	ONS5-V	480641004	5/30/2019	Ce-144	-2.42E+01	2.81E+01	8.62E+01	U
TV	ONS5-V	480641004	5/30/2019	Co-57	-2.73E+00	3.63E+00	1.13E+01	U
TV	ONS5-V	480641004	5/30/2019	Co-58	1.99E+00	4.70E+00	1.56E+01	U
TV	ONS5-V	480641004	5/30/2019	Co-60	9.18E-01	5.81E+00	1.97E+01	U
TV	ONS5-V	480641004	5/30/2019	Cr-51	-4.06E+01	4.38E+01	1.41E+02	U
TV	ONS5-V	480641004	5/30/2019	Cs-134	-1.42E+00	5.83E+00	1.64E+01	U
TV	ONS5-V	480641004	5/30/2019	Cs-137	4.46E+00	7.02E+00	1.84E+01	U
TV	ONS5-V	480641004	5/30/2019	Fe-59	-7.86E+00	1.16E+01	3.71E+01	U
TV	ONS5-V	480641004	5/30/2019	I-131	4.68E+00	9.37E+00	3.23E+01	U
TV	ONS5-V	480641004	5/30/2019	K-40	7.01E+03	4.84E+02	1.27E+02	
TV	ONS5-V	480641004	5/30/2019	La-140	-1.33E+00	5.45E+00	1.72E+01	U
TV	ONS5-V	480641004	5/30/2019	Mn-54	7.22E+00	5.08E+00	1.71E+01	U
TV	ONS5-V	480641004	5/30/2019	Nb-95	-8.16E+00	6.82E+00	1.76E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	480641004	5/30/2019	Ru-103	-2.60E+00	4.68E+00	1.50E+01	U
TV	ONS5-V	480641004	5/30/2019	Ru-106	2.67E+01	4.29E+01	1.45E+02	U
TV	ONS5-V	480641004	5/30/2019	Sb-124	-1.22E+01	1.33E+01	3.81E+01	U
TV	ONS5-V	480641004	5/30/2019	Sb-125	-1.85E+01	1.19E+01	3.41E+01	U
TV	ONS5-V	480641004	5/30/2019	Se-75	5.19E+00	6.62E+00	2.11E+01	U
TV	ONS5-V	480641004	5/30/2019	Th-228	4.23E+00	1.46E+01	3.52E+01	U
TV	ONS5-V	480641004	5/30/2019	Zn-65	-1.00E+01	1.08E+01	3.32E+01	U
TV	ONS5-V	480641004	5/30/2019	Zr-95	-2.86E+00	8.83E+00	2.79E+01	U
TV	ONS5-V	480641005	5/30/2019	Ac-228	-1.91E+01	2.03E+01	5.40E+01	U
TV	ONS5-V	480641005	5/30/2019	Ag-108m	-3.47E+00	3.03E+00	8.99E+00	U
TV	ONS5-V	480641005	5/30/2019	Ag-110m	8.25E+00	5.33E+00	1.80E+01	U
TV	ONS5-V	480641005	5/30/2019	Ba-140	-2.62E+01	1.97E+01	4.93E+01	U
TV	ONS5-V	480641005	5/30/2019	Be-7	7.44E+02	7.28E+01	8.22E+01	U
TV	ONS5-V	480641005	5/30/2019	Ce-141	-1.09E+01	5.97E+00	1.43E+01	U
TV	ONS5-V	480641005	5/30/2019	Ce-144	2.83E+00	1.63E+01	5.35E+01	U
TV	ONS5-V	480641005	5/30/2019	Co-57	8.33E-01	2.13E+00	7.08E+00	U
TV	ONS5-V	480641005	5/30/2019	Co-58	-3.81E+00	3.69E+00	1.11E+01	U
TV	ONS5-V	480641005	5/30/2019	Co-60	-5.46E-01	3.53E+00	1.16E+01	U
TV	ONS5-V	480641005	5/30/2019	Cr-51	-6.11E+00	2.81E+01	9.36E+01	U
TV	ONS5-V	480641005	5/30/2019	Cs-134	-4.21E+00	3.61E+00	1.05E+01	U
TV	ONS5-V	480641005	5/30/2019	Cs-137	5.72E+00	3.71E+00	1.27E+01	U
TV	ONS5-V	480641005	5/30/2019	Fe-59	1.11E+00	9.50E+00	3.07E+01	U
TV	ONS5-V	480641005	5/30/2019	I-131	-4.30E+00	5.85E+00	1.63E+01	U
TV	ONS5-V	480641005	5/30/2019	K-40	4.79E+03	3.19E+02	1.41E+02	U
TV	ONS5-V	480641005	5/30/2019	La-140	7.75E-02	4.45E+00	1.46E+01	U
TV	ONS5-V	480641005	5/30/2019	Mn-54	-1.42E-01	3.26E+00	1.07E+01	U
TV	ONS5-V	480641005	5/30/2019	Nb-95	1.06E+01	7.21E+00	1.12E+01	U
TV	ONS5-V	480641005	5/30/2019	Ru-103	-2.63E+00	3.32E+00	1.00E+01	U
TV	ONS5-V	480641005	5/30/2019	Ru-106	1.43E+01	2.81E+01	9.71E+01	U
TV	ONS5-V	480641005	5/30/2019	Sb-124	-8.08E+00	7.45E+00	1.95E+01	U
TV	ONS5-V	480641005	5/30/2019	Sb-125	1.81E+00	7.10E+00	2.36E+01	U
TV	ONS5-V	480641005	5/30/2019	Se-75	2.95E+00	3.54E+00	1.22E+01	U
TV	ONS5-V	480641005	5/30/2019	Th-228	-8.08E+00	7.57E+00	1.90E+01	U
TV	ONS5-V	480641005	5/30/2019	Zn-65	-1.28E-01	1.00E+01	3.20E+01	U
TV	ONS5-V	480641005	5/30/2019	Zr-95	-4.45E+00	5.39E+00	1.65E+01	U
TV	ONS5-V	480641006	5/30/2019	Ac-228	7.76E+01	3.75E+01	8.01E+01	U
TV	ONS5-V	480641006	5/30/2019	Ag-108m	-5.17E+00	4.02E+00	1.16E+01	U
TV	ONS5-V	480641006	5/30/2019	Ag-110m	1.85E+00	5.90E+00	2.03E+01	U
TV	ONS5-V	480641006	5/30/2019	Ba-140	-7.37E+00	2.37E+01	7.51E+01	U
TV	ONS5-V	480641006	5/30/2019	Be-7	2.11E+03	1.56E+02	1.31E+02	U
TV	ONS5-V	480641006	5/30/2019	Ce-141	3.49E+00	7.22E+00	2.25E+01	U
TV	ONS5-V	480641006	5/30/2019	Ce-144	-5.32E+00	2.72E+01	8.15E+01	U
TV	ONS5-V	480641006	5/30/2019	Co-57	-2.99E+00	2.99E+00	9.65E+00	U
TV	ONS5-V	480641006	5/30/2019	Co-58	4.46E+00	4.66E+00	1.63E+01	U
TV	ONS5-V	480641006	5/30/2019	Co-60	-3.84E+00	4.74E+00	1.42E+01	U
TV	ONS5-V	480641006	5/30/2019	Cr-51	6.04E+01	4.12E+01	1.37E+02	U
TV	ONS5-V	480641006	5/30/2019	Cs-134	-8.73E-01	6.13E+00	1.72E+01	U
TV	ONS5-V	480641006	5/30/2019	Cs-137	6.16E-02	5.87E+00	1.79E+01	U
TV	ONS5-V	480641006	5/30/2019	Fe-59	-1.22E+01	1.03E+01	3.01E+01	U
TV	ONS5-V	480641006	5/30/2019	I-131	6.24E+00	7.94E+00	2.67E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	480641006	5/30/2019	K-40	3.23E+03	2.31E+02	1.47E+02	
TV	ONS5-V	480641006	5/30/2019	La-140	-2.26E+00	7.10E+00	2.22E+01	U
TV	ONS5-V	480641006	5/30/2019	Mn-54	1.34E+00	5.25E+00	1.60E+01	U
TV	ONS5-V	480641006	5/30/2019	Nb-95	-2.99E+00	4.93E+00	1.48E+01	U
TV	ONS5-V	480641006	5/30/2019	Ru-103	-9.47E-01	4.53E+00	1.45E+01	U
TV	ONS5-V	480641006	5/30/2019	Ru-106	5.07E+00	4.32E+01	1.40E+02	U
TV	ONS5-V	480641006	5/30/2019	Sb-124	5.98E+00	8.75E+00	3.07E+01	U
TV	ONS5-V	480641006	5/30/2019	Sb-125	3.64E+00	1.10E+01	3.65E+01	U
TV	ONS5-V	480641006	5/30/2019	Se-75	7.04E+00	6.06E+00	2.03E+01	U
TV	ONS5-V	480641006	5/30/2019	Th-228	-7.93E+00	9.94E+00	2.76E+01	U
TV	ONS5-V	480641006	5/30/2019	Zn-65	-2.33E+01	1.19E+01	2.95E+01	U
TV	ONS5-V	480641006	5/30/2019	Zr-95	4.21E+00	9.47E+00	3.08E+01	U
TV	OFS1-V	480641007	5/30/2019	Ac-228	-4.28E+01	2.82E+01	7.17E+01	U
TV	OFS1-V	480641007	5/30/2019	Ag-108m	1.32E+00	4.60E+00	1.37E+01	U
TV	OFS1-V	480641007	5/30/2019	Ag-110m	-1.14E+01	7.37E+00	2.06E+01	U
TV	OFS1-V	480641007	5/30/2019	Ba-140	-3.93E+01	2.52E+01	6.86E+01	U
TV	OFS1-V	480641007	5/30/2019	Be-7	2.57E+03	1.68E+02	1.22E+02	
TV	OFS1-V	480641007	5/30/2019	Ce-141	-9.13E+00	7.96E+00	2.16E+01	U
TV	OFS1-V	480641007	5/30/2019	Ce-144	5.70E+01	2.87E+01	8.80E+01	U
TV	OFS1-V	480641007	5/30/2019	Co-57	3.92E+00	3.44E+00	1.12E+01	U
TV	OFS1-V	480641007	5/30/2019	Co-58	1.57E-01	4.97E+00	1.67E+01	U
TV	OFS1-V	480641007	5/30/2019	Co-60	9.29E+00	6.98E+00	2.32E+01	U
TV	OFS1-V	480641007	5/30/2019	Cr-51	2.55E+01	4.20E+01	1.43E+02	U
TV	OFS1-V	480641007	5/30/2019	Cs-134	6.51E+00	6.01E+00	2.06E+01	U
TV	OFS1-V	480641007	5/30/2019	Cs-137	4.99E+00	5.37E+00	1.75E+01	U
TV	OFS1-V	480641007	5/30/2019	Fe-59	-2.22E+01	1.32E+01	3.48E+01	U
TV	OFS1-V	480641007	5/30/2019	I-131	5.27E+00	8.64E+00	2.92E+01	U
TV	OFS1-V	480641007	5/30/2019	K-40	4.25E+03	2.96E+02	1.72E+02	
TV	OFS1-V	480641007	5/30/2019	La-140	-3.76E+00	1.04E+01	2.87E+01	U
TV	OFS1-V	480641007	5/30/2019	Mn-54	8.25E+00	5.75E+00	1.62E+01	U
TV	OFS1-V	480641007	5/30/2019	Nb-95	9.53E-01	5.01E+00	1.71E+01	U
TV	OFS1-V	480641007	5/30/2019	Ru-103	5.60E+00	4.90E+00	1.63E+01	U
TV	OFS1-V	480641007	5/30/2019	Ru-106	-2.96E+01	5.27E+01	1.42E+02	U
TV	OFS1-V	480641007	5/30/2019	Sb-124	8.45E-01	1.30E+01	3.78E+01	U
TV	OFS1-V	480641007	5/30/2019	Sb-125	-2.01E+01	1.41E+01	4.09E+01	U
TV	OFS1-V	480641007	5/30/2019	Se-75	4.83E+00	5.79E+00	1.99E+01	U
TV	OFS1-V	480641007	5/30/2019	Th-228	-1.18E+01	1.06E+01	2.97E+01	U
TV	OFS1-V	480641007	5/30/2019	Zn-65	1.33E+01	1.32E+01	3.98E+01	U
TV	OFS1-V	480641007	5/30/2019	Zr-95	2.84E+00	8.25E+00	2.83E+01	U
TV	ONS4-V	483295001	6/27/2019	Ac-228	3.71E+01	4.91E+01	5.93E+01	U
TV	ONS4-V	483295001	6/27/2019	Ag-108m	-7.85E+00	4.86E+00	1.33E+01	U
TV	ONS4-V	483295001	6/27/2019	Ag-110m	-7.26E+00	7.04E+00	2.07E+01	U
TV	ONS4-V	483295001	6/27/2019	Ba-140	3.50E+01	3.77E+01	7.67E+01	U
TV	ONS4-V	483295001	6/27/2019	Be-7	9.79E+02	1.06E+02	1.35E+02	
TV	ONS4-V	483295001	6/27/2019	Ce-141	2.05E+01	1.60E+01	2.34E+01	U
TV	ONS4-V	483295001	6/27/2019	Ce-144	-2.95E+01	2.78E+01	9.04E+01	U
TV	ONS4-V	483295001	6/27/2019	Co-57	-2.61E+00	3.58E+00	1.20E+01	U
TV	ONS4-V	483295001	6/27/2019	Co-58	-1.83E+00	5.21E+00	1.64E+01	U
TV	ONS4-V	483295001	6/27/2019	Co-60	2.34E+01	9.14E+00	1.83E+01	UI
TV	ONS4-V	483295001	6/27/2019	Cr-51	9.24E+01	4.61E+01	1.44E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	483295001	6/27/2019	Cs-134	-5.94E+00	6.16E+00	1.85E+01	U
TV	ONS4-V	483295001	6/27/2019	Cs-137	8.24E+00	5.86E+00	1.89E+01	U
TV	ONS4-V	483295001	6/27/2019	Fe-59	1.00E+00	1.03E+01	3.53E+01	U
TV	ONS4-V	483295001	6/27/2019	I-131	1.27E+01	7.68E+00	2.47E+01	U
TV	ONS4-V	483295001	6/27/2019	K-40	4.68E+03	3.22E+02	1.59E+02	
TV	ONS4-V	483295001	6/27/2019	La-140	-5.70E+00	7.89E+00	2.47E+01	U
TV	ONS4-V	483295001	6/27/2019	Mn-54	4.26E-01	5.50E+00	1.77E+01	U
TV	ONS4-V	483295001	6/27/2019	Nb-95	-7.98E+00	9.79E+00	1.87E+01	U
TV	ONS4-V	483295001	6/27/2019	Ru-103	8.75E-01	4.75E+00	1.57E+01	U
TV	ONS4-V	483295001	6/27/2019	Ru-106	-2.75E+01	4.56E+01	1.44E+02	U
TV	ONS4-V	483295001	6/27/2019	Sb-124	-6.03E+00	1.12E+01	3.56E+01	U
TV	ONS4-V	483295001	6/27/2019	Sb-125	1.23E+01	1.82E+01	4.39E+01	U
TV	ONS4-V	483295001	6/27/2019	Se-75	5.79E+00	6.26E+00	2.10E+01	U
TV	ONS4-V	483295001	6/27/2019	Th-228	1.86E+01	1.72E+01	3.49E+01	U
TV	ONS4-V	483295001	6/27/2019	Zn-65	-3.17E+00	1.18E+01	3.97E+01	U
TV	ONS4-V	483295001	6/27/2019	Zr-95	2.53E+00	9.47E+00	3.09E+01	U
TV	ONS4-V	483295002	6/27/2019	Ac-228	8.83E+01	4.05E+01	6.56E+01	UI
TV	ONS4-V	483295002	6/27/2019	Ag-108m	4.78E-01	2.83E+00	9.69E+00	U
TV	ONS4-V	483295002	6/27/2019	Ag-110m	-5.89E+00	5.15E+00	1.50E+01	U
TV	ONS4-V	483295002	6/27/2019	Ba-140	1.79E+00	1.63E+01	5.48E+01	U
TV	ONS4-V	483295002	6/27/2019	Be-7	2.51E+03	1.40E+02	9.78E+01	
TV	ONS4-V	483295002	6/27/2019	Ce-141	-3.53E+00	4.85E+00	1.43E+01	U
TV	ONS4-V	483295002	6/27/2019	Ce-144	2.76E+01	1.98E+01	6.45E+01	U
TV	ONS4-V	483295002	6/27/2019	Co-57	1.54E+00	2.37E+00	7.96E+00	U
TV	ONS4-V	483295002	6/27/2019	Co-58	-8.67E+00	3.77E+00	8.55E+00	U
TV	ONS4-V	483295002	6/27/2019	Co-60	-5.74E-01	3.75E+00	1.24E+01	U
TV	ONS4-V	483295002	6/27/2019	Cr-51	8.15E+00	3.04E+01	9.64E+01	U
TV	ONS4-V	483295002	6/27/2019	Cs-134	2.80E+00	4.06E+00	1.35E+01	U
TV	ONS4-V	483295002	6/27/2019	Cs-137	-3.79E+00	7.11E+00	1.74E+01	U
TV	ONS4-V	483295002	6/27/2019	Fe-59	-8.13E+00	7.35E+00	2.27E+01	U
TV	ONS4-V	483295002	6/27/2019	I-131	1.63E+00	6.16E+00	1.78E+01	U
TV	ONS4-V	483295002	6/27/2019	K-40	4.00E+03	2.60E+02	1.14E+02	
TV	ONS4-V	483295002	6/27/2019	La-140	-1.16E+00	5.09E+00	1.64E+01	U
TV	ONS4-V	483295002	6/27/2019	Mn-54	5.26E-01	3.51E+00	1.15E+01	U
TV	ONS4-V	483295002	6/27/2019	Nb-95	-8.31E+00	5.60E+00	1.15E+01	U
TV	ONS4-V	483295002	6/27/2019	Ru-103	-7.10E+00	3.57E+00	9.72E+00	U
TV	ONS4-V	483295002	6/27/2019	Ru-106	1.34E+01	3.02E+01	1.01E+02	U
TV	ONS4-V	483295002	6/27/2019	Sb-124	-1.47E+01	1.49E+01	2.16E+01	U
TV	ONS4-V	483295002	6/27/2019	Sb-125	-1.20E+01	9.07E+00	2.81E+01	U
TV	ONS4-V	483295002	6/27/2019	Se-75	1.59E+00	4.48E+00	1.44E+01	U
TV	ONS4-V	483295002	6/27/2019	Th-228	1.44E+01	1.55E+01	2.48E+01	U
TV	ONS4-V	483295002	6/27/2019	Zn-65	-3.60E+00	7.85E+00	2.59E+01	U
TV	ONS4-V	483295002	6/27/2019	Zr-95	-1.38E+00	5.96E+00	1.92E+01	U
TV	ONS4-V	483295003	6/27/2019	Ac-228	-4.58E+01	3.51E+01	6.64E+01	U
TV	ONS4-V	483295003	6/27/2019	Ag-108m	-6.85E-01	3.38E+00	1.10E+01	U
TV	ONS4-V	483295003	6/27/2019	Ag-110m	4.79E+00	5.61E+00	1.71E+01	U
TV	ONS4-V	483295003	6/27/2019	Ba-140	2.06E+01	2.03E+01	6.58E+01	U
TV	ONS4-V	483295003	6/27/2019	Be-7	2.52E+03	1.46E+02	1.06E+02	
TV	ONS4-V	483295003	6/27/2019	Ce-141	1.54E+01	1.39E+01	1.87E+01	U
TV	ONS4-V	483295003	6/27/2019	Ce-144	-4.12E+00	1.98E+01	6.77E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	483295003	6/27/2019	Co-57	-1.47E-01	2.97E+00	9.24E+00	U
TV	ONS4-V	483295003	6/27/2019	Co-58	3.68E+00	4.10E+00	1.40E+01	U
TV	ONS4-V	483295003	6/27/2019	Co-60	-7.30E-01	4.37E+00	1.42E+01	U
TV	ONS4-V	483295003	6/27/2019	Cr-51	2.03E+01	3.39E+01	1.13E+02	U
TV	ONS4-V	483295003	6/27/2019	Cs-134	6.56E+00	4.36E+00	1.46E+01	U
TV	ONS4-V	483295003	6/27/2019	Cs-137	8.35E+00	4.83E+00	1.50E+01	U
TV	ONS4-V	483295003	6/27/2019	Fe-59	8.55E+00	8.20E+00	2.76E+01	U
TV	ONS4-V	483295003	6/27/2019	I-131	4.45E+00	6.08E+00	2.02E+01	U
TV	ONS4-V	483295003	6/27/2019	K-40	2.13E+03	1.76E+02	1.24E+02	
TV	ONS4-V	483295003	6/27/2019	La-140	-3.63E+00	6.61E+00	2.06E+01	U
TV	ONS4-V	483295003	6/27/2019	Mn-54	6.21E+00	4.30E+00	1.43E+01	U
TV	ONS4-V	483295003	6/27/2019	Nb-95	-1.35E+01	8.26E+00	1.31E+01	U
TV	ONS4-V	483295003	6/27/2019	Ru-103	-7.10E+00	4.32E+00	1.23E+01	U
TV	ONS4-V	483295003	6/27/2019	Ru-106	-3.87E+01	7.99E+01	1.19E+02	U
TV	ONS4-V	483295003	6/27/2019	Sb-124	5.68E+00	8.35E+00	2.79E+01	U
TV	ONS4-V	483295003	6/27/2019	Sb-125	-1.02E+01	1.03E+01	3.20E+01	U
TV	ONS4-V	483295003	6/27/2019	Se-75	1.76E+00	4.76E+00	1.60E+01	U
TV	ONS4-V	483295003	6/27/2019	Th-228	-3.70E+01	1.80E+01	2.58E+01	U
TV	ONS4-V	483295003	6/27/2019	Zn-65	-7.86E+00	1.04E+01	2.86E+01	U
TV	ONS4-V	483295003	6/27/2019	Zr-95	2.19E+00	7.48E+00	2.39E+01	U
TV	ONS5-V	483295004	6/27/2019	Ac-228	-9.66E+00	2.56E+01	6.02E+01	U
TV	ONS5-V	483295004	6/27/2019	Ag-108m	8.72E+00	4.89E+00	1.09E+01	U
TV	ONS5-V	483295004	6/27/2019	Ag-110m	-1.15E+01	5.75E+00	1.57E+01	U
TV	ONS5-V	483295004	6/27/2019	Ba-140	1.53E+00	1.92E+01	6.26E+01	U
TV	ONS5-V	483295004	6/27/2019	Be-7	2.41E+03	1.37E+02	1.04E+02	
TV	ONS5-V	483295004	6/27/2019	Ce-141	-4.66E+01	1.43E+01	1.82E+01	U
TV	ONS5-V	483295004	6/27/2019	Ce-144	1.52E+01	2.28E+01	7.31E+01	U
TV	ONS5-V	483295004	6/27/2019	Co-57	2.58E+00	2.80E+00	8.95E+00	U
TV	ONS5-V	483295004	6/27/2019	Co-58	4.04E+00	4.16E+00	1.26E+01	U
TV	ONS5-V	483295004	6/27/2019	Co-60	-1.42E+00	4.70E+00	1.51E+01	U
TV	ONS5-V	483295004	6/27/2019	Cr-51	-9.58E+00	3.45E+01	1.15E+02	U
TV	ONS5-V	483295004	6/27/2019	Cs-134	-4.47E-01	4.25E+00	1.44E+01	U
TV	ONS5-V	483295004	6/27/2019	Cs-137	2.45E-01	4.13E+00	1.32E+01	U
TV	ONS5-V	483295004	6/27/2019	Fe-59	-9.03E+00	9.09E+00	2.81E+01	U
TV	ONS5-V	483295004	6/27/2019	I-131	-5.77E-01	6.23E+00	2.08E+01	U
TV	ONS5-V	483295004	6/27/2019	K-40	5.68E+03	3.25E+02	1.17E+02	
TV	ONS5-V	483295004	6/27/2019	La-140	5.21E+00	6.93E+00	2.27E+01	U
TV	ONS5-V	483295004	6/27/2019	Mn-54	-1.12E+00	3.82E+00	1.28E+01	U
TV	ONS5-V	483295004	6/27/2019	Nb-95	8.83E+00	4.66E+00	1.50E+01	U
TV	ONS5-V	483295004	6/27/2019	Ru-103	6.97E+00	4.23E+00	1.34E+01	U
TV	ONS5-V	483295004	6/27/2019	Ru-106	-1.70E+01	3.83E+01	1.21E+02	U
TV	ONS5-V	483295004	6/27/2019	Sb-124	1.50E+00	8.47E+00	2.88E+01	U
TV	ONS5-V	483295004	6/27/2019	Sb-125	8.69E-01	1.02E+01	3.37E+01	U
TV	ONS5-V	483295004	6/27/2019	Se-75	5.06E+00	4.96E+00	1.67E+01	U
TV	ONS5-V	483295004	6/27/2019	Th-228	-9.84E+00	1.45E+01	2.70E+01	U
TV	ONS5-V	483295004	6/27/2019	Zn-65	-2.31E+01	1.05E+01	2.69E+01	U
TV	ONS5-V	483295004	6/27/2019	Zr-95	1.91E+00	6.60E+00	2.26E+01	U
TV	ONS5-V	483295005	6/27/2019	Ac-228	-2.26E+01	2.48E+01	5.92E+01	U
TV	ONS5-V	483295005	6/27/2019	Ag-108m	-3.88E+00	3.60E+00	1.08E+01	U
TV	ONS5-V	483295005	6/27/2019	Ag-110m	-2.53E+00	5.38E+00	1.76E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	483295005	6/27/2019	Ba-140	-3.23E+01	1.87E+01	4.99E+01	U
TV	ONS5-V	483295005	6/27/2019	Be-7	2.18E+03	1.41E+02	1.09E+02	
TV	ONS5-V	483295005	6/27/2019	Ce-141	-1.44E+01	6.81E+00	1.89E+01	U
TV	ONS5-V	483295005	6/27/2019	Ce-144	-1.79E+01	2.36E+01	7.71E+01	U
TV	ONS5-V	483295005	6/27/2019	Co-57	5.51E-01	3.03E+00	1.03E+01	U
TV	ONS5-V	483295005	6/27/2019	Co-58	-1.02E+00	3.91E+00	1.30E+01	U
TV	ONS5-V	483295005	6/27/2019	Co-60	1.18E+01	7.00E+00	1.48E+01	U
TV	ONS5-V	483295005	6/27/2019	Cr-51	2.52E+00	3.45E+01	1.13E+02	U
TV	ONS5-V	483295005	6/27/2019	Cs-134	1.27E+01	5.89E+00	1.87E+01	U
TV	ONS5-V	483295005	6/27/2019	Cs-137	1.06E+01	4.92E+00	1.50E+01	U
TV	ONS5-V	483295005	6/27/2019	Fe-59	-9.01E+00	1.00E+01	2.68E+01	U
TV	ONS5-V	483295005	6/27/2019	I-131	6.90E+00	6.21E+00	2.03E+01	U
TV	ONS5-V	483295005	6/27/2019	K-40	5.50E+03	3.03E+02	1.29E+02	
TV	ONS5-V	483295005	6/27/2019	La-140	6.24E+00	6.64E+00	2.25E+01	U
TV	ONS5-V	483295005	6/27/2019	Mn-54	-5.59E+00	5.91E+00	1.38E+01	U
TV	ONS5-V	483295005	6/27/2019	Nb-95	-8.96E+00	5.28E+00	1.30E+01	U
TV	ONS5-V	483295005	6/27/2019	Ru-103	2.65E+00	4.32E+00	1.41E+01	U
TV	ONS5-V	483295005	6/27/2019	Ru-106	3.90E+01	4.09E+01	1.32E+02	U
TV	ONS5-V	483295005	6/27/2019	Sb-124	1.02E+01	9.45E+00	3.23E+01	U
TV	ONS5-V	483295005	6/27/2019	Sb-125	1.16E+01	1.10E+01	3.57E+01	U
TV	ONS5-V	483295005	6/27/2019	Se-75	-6.14E+00	4.96E+00	1.52E+01	U
TV	ONS5-V	483295005	6/27/2019	Th-228	4.70E+00	1.45E+01	2.13E+01	U
TV	ONS5-V	483295005	6/27/2019	Zn-65	-2.41E+00	9.31E+00	3.05E+01	U
TV	ONS5-V	483295005	6/27/2019	Zr-95	7.54E+00	8.44E+00	2.59E+01	U
TV	ONS5-V	483295006	6/27/2019	Ac-228	-3.47E+01	2.35E+01	5.05E+01	U
TV	ONS5-V	483295006	6/27/2019	Ag-108m	-7.22E-01	2.40E+00	7.93E+00	U
TV	ONS5-V	483295006	6/27/2019	Ag-110m	-4.71E-02	4.66E+00	1.49E+01	U
TV	ONS5-V	483295006	6/27/2019	Ba-140	2.13E+01	1.43E+01	4.71E+01	U
TV	ONS5-V	483295006	6/27/2019	Be-7	1.55E+03	9.85E+01	8.06E+01	
TV	ONS5-V	483295006	6/27/2019	Ce-141	-3.07E+00	4.47E+00	1.38E+01	U
TV	ONS5-V	483295006	6/27/2019	Ce-144	-1.04E+01	1.80E+01	5.63E+01	U
TV	ONS5-V	483295006	6/27/2019	Co-57	-4.21E+00	2.37E+00	6.58E+00	U
TV	ONS5-V	483295006	6/27/2019	Co-58	2.95E+00	3.29E+00	1.08E+01	U
TV	ONS5-V	483295006	6/27/2019	Co-60	1.18E+00	3.29E+00	1.12E+01	U
TV	ONS5-V	483295006	6/27/2019	Cr-51	4.32E-01	2.47E+01	8.42E+01	U
TV	ONS5-V	483295006	6/27/2019	Cs-134	2.76E+00	3.23E+00	1.07E+01	U
TV	ONS5-V	483295006	6/27/2019	Cs-137	6.00E+00	3.57E+00	1.16E+01	U
TV	ONS5-V	483295006	6/27/2019	Fe-59	1.11E+01	5.56E+00	2.17E+01	U
TV	ONS5-V	483295006	6/27/2019	I-131	4.75E+00	4.68E+00	1.59E+01	U
TV	ONS5-V	483295006	6/27/2019	K-40	2.88E+03	2.04E+02	1.21E+02	
TV	ONS5-V	483295006	6/27/2019	La-140	-7.69E+00	5.46E+00	1.20E+01	U
TV	ONS5-V	483295006	6/27/2019	Mn-54	7.59E+00	3.66E+00	1.15E+01	U
TV	ONS5-V	483295006	6/27/2019	Nb-95	-2.34E+00	3.02E+00	9.19E+00	U
TV	ONS5-V	483295006	6/27/2019	Ru-103	-1.32E+00	2.77E+00	8.98E+00	U
TV	ONS5-V	483295006	6/27/2019	Ru-106	-2.29E+01	2.77E+01	8.56E+01	U
TV	ONS5-V	483295006	6/27/2019	Sb-124	5.76E+00	6.55E+00	2.28E+01	U
TV	ONS5-V	483295006	6/27/2019	Sb-125	-2.84E+00	7.29E+00	2.40E+01	U
TV	ONS5-V	483295006	6/27/2019	Se-75	1.56E+00	3.52E+00	1.22E+01	U
TV	ONS5-V	483295006	6/27/2019	Th-228	9.05E+00	1.04E+01	1.95E+01	U
TV	ONS5-V	483295006	6/27/2019	Zn-65	-5.36E+00	6.78E+00	2.15E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	483295006	6/27/2019	Zr-95	-1.38E-01	5.48E+00	1.58E+01	U
TV	OFS1-V	483295007	6/27/2019	Ac-228	2.77E+01	1.93E+01	6.44E+01	U
TV	OFS1-V	483295007	6/27/2019	Ag-108m	-1.27E+01	7.23E+00	1.43E+01	U
TV	OFS1-V	483295007	6/27/2019	Ag-110m	-6.70E+00	6.17E+00	1.90E+01	U
TV	OFS1-V	483295007	6/27/2019	Ba-140	2.54E+00	2.09E+01	6.76E+01	U
TV	OFS1-V	483295007	6/27/2019	Be-7	2.23E+03	1.35E+02	1.24E+02	
TV	OFS1-V	483295007	6/27/2019	Ce-141	-7.22E+00	6.81E+00	2.22E+01	U
TV	OFS1-V	483295007	6/27/2019	Ce-144	9.99E+00	2.75E+01	8.59E+01	U
TV	OFS1-V	483295007	6/27/2019	Co-57	-9.36E+00	5.14E+00	1.07E+01	U
TV	OFS1-V	483295007	6/27/2019	Co-58	4.67E+00	5.06E+00	1.72E+01	U
TV	OFS1-V	483295007	6/27/2019	Co-60	-4.01E+00	5.78E+00	1.48E+01	U
TV	OFS1-V	483295007	6/27/2019	Cr-51	7.72E+00	4.01E+01	1.34E+02	U
TV	OFS1-V	483295007	6/27/2019	Cs-134	-1.80E+00	5.08E+00	1.69E+01	U
TV	OFS1-V	483295007	6/27/2019	Cs-137	6.75E+00	7.24E+00	1.55E+01	U
TV	OFS1-V	483295007	6/27/2019	Fe-59	7.00E+00	8.88E+00	3.00E+01	U
TV	OFS1-V	483295007	6/27/2019	I-131	-1.23E+00	6.97E+00	2.28E+01	U
TV	OFS1-V	483295007	6/27/2019	K-40	2.59E+03	2.12E+02	1.37E+02	
TV	OFS1-V	483295007	6/27/2019	La-140	4.40E+00	5.98E+00	2.01E+01	U
TV	OFS1-V	483295007	6/27/2019	Mn-54	-3.39E+00	5.10E+00	1.66E+01	U
TV	OFS1-V	483295007	6/27/2019	Nb-95	2.81E+00	4.95E+00	1.69E+01	U
TV	OFS1-V	483295007	6/27/2019	Ru-103	7.40E+00	4.86E+00	1.55E+01	U
TV	OFS1-V	483295007	6/27/2019	Ru-106	1.04E+00	4.03E+01	1.29E+02	U
TV	OFS1-V	483295007	6/27/2019	Sb-124	-2.91E+01	1.22E+01	2.02E+01	U
TV	OFS1-V	483295007	6/27/2019	Sb-125	2.18E+01	1.35E+01	4.30E+01	U
TV	OFS1-V	483295007	6/27/2019	Se-75	6.02E-01	5.73E+00	1.92E+01	U
TV	OFS1-V	483295007	6/27/2019	Th-228	1.18E+01	1.74E+01	2.81E+01	U
TV	OFS1-V	483295007	6/27/2019	Zn-65	4.63E+00	9.55E+00	3.20E+01	U
TV	OFS1-V	483295007	6/27/2019	Zr-95	2.21E+00	7.91E+00	2.70E+01	U
TV	ONS4-V	485546001	7/23/2019	Ac-228	1.01E+02	5.58E+01	6.92E+01	UI
TV	ONS4-V	485546001	7/23/2019	Ag-108m	1.62E+00	3.99E+00	1.36E+01	U
TV	ONS4-V	485546001	7/23/2019	Ag-110m	7.52E+00	7.36E+00	2.47E+01	U
TV	ONS4-V	485546001	7/23/2019	Ba-140	9.06E-01	1.85E+01	6.13E+01	U
TV	ONS4-V	485546001	7/23/2019	Be-7	6.92E+02	7.75E+01	1.13E+02	
TV	ONS4-V	485546001	7/23/2019	Ce-141	-1.49E+01	8.23E+00	1.98E+01	U
TV	ONS4-V	485546001	7/23/2019	Ce-144	-3.38E+00	2.58E+01	8.20E+01	U
TV	ONS4-V	485546001	7/23/2019	Co-57	6.95E-02	3.14E+00	1.01E+01	U
TV	ONS4-V	485546001	7/23/2019	Co-58	1.39E+01	9.34E+00	1.44E+01	U
TV	ONS4-V	485546001	7/23/2019	Co-60	2.89E+00	4.19E+00	1.49E+01	U
TV	ONS4-V	485546001	7/23/2019	Cr-51	7.23E+01	4.06E+01	1.35E+02	U
TV	ONS4-V	485546001	7/23/2019	Cs-134	-9.33E+00	6.11E+00	1.60E+01	U
TV	ONS4-V	485546001	7/23/2019	Cs-137	4.34E-01	4.94E+00	1.62E+01	U
TV	ONS4-V	485546001	7/23/2019	Fe-59	3.71E+00	1.12E+01	3.87E+01	U
TV	ONS4-V	485546001	7/23/2019	I-131	-6.96E+00	5.94E+00	1.82E+01	U
TV	ONS4-V	485546001	7/23/2019	K-40	3.08E+03	2.76E+02	1.53E+02	
TV	ONS4-V	485546001	7/23/2019	La-140	1.51E+00	6.21E+00	2.10E+01	U
TV	ONS4-V	485546001	7/23/2019	Mn-54	4.38E+00	5.25E+00	1.75E+01	U
TV	ONS4-V	485546001	7/23/2019	Nb-95	2.31E+00	4.85E+00	1.61E+01	U
TV	ONS4-V	485546001	7/23/2019	Ru-103	-5.64E-01	4.39E+00	1.45E+01	U
TV	ONS4-V	485546001	7/23/2019	Ru-106	4.41E+01	4.02E+01	1.37E+02	U
TV	ONS4-V	485546001	7/23/2019	Sb-124	-3.38E+00	1.06E+01	3.31E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	485546001	7/23/2019	Sb-125	-7.09E+00	1.19E+01	3.82E+01	U
TV	ONS4-V	485546001	7/23/2019	Se-75	-3.78E+00	5.29E+00	1.74E+01	U
TV	ONS4-V	485546001	7/23/2019	Th-228	1.01E+00	1.59E+01	2.55E+01	U
TV	ONS4-V	485546001	7/23/2019	Zn-65	-2.25E+01	1.23E+01	3.14E+01	U
TV	ONS4-V	485546001	7/23/2019	Zr-95	-1.15E+01	8.55E+00	1.89E+01	U
TV	ONS4-V	485546002	7/23/2019	Ac-228	-2.72E+01	3.68E+01	1.01E+02	U
TV	ONS4-V	485546002	7/23/2019	Ag-108m	-3.60E+00	4.73E+00	1.44E+01	U
TV	ONS4-V	485546002	7/23/2019	Ag-110m	1.62E+00	8.74E+00	2.94E+01	U
TV	ONS4-V	485546002	7/23/2019	Ba-140	-1.72E+01	2.67E+01	8.10E+01	U
TV	ONS4-V	485546002	7/23/2019	Be-7	1.76E+03	1.65E+02	1.58E+02	
TV	ONS4-V	485546002	7/23/2019	Ce-141	-3.19E+00	1.05E+01	3.06E+01	U
TV	ONS4-V	485546002	7/23/2019	Ce-144	9.88E+01	4.44E+01	1.31E+02	U
TV	ONS4-V	485546002	7/23/2019	Co-57	3.42E+00	4.82E+00	1.55E+01	U
TV	ONS4-V	485546002	7/23/2019	Co-58	-1.60E+00	6.10E+00	2.00E+01	U
TV	ONS4-V	485546002	7/23/2019	Co-60	-2.42E+00	7.61E+00	2.35E+01	U
TV	ONS4-V	485546002	7/23/2019	Cr-51	2.46E+01	5.12E+01	1.73E+02	U
TV	ONS4-V	485546002	7/23/2019	Cs-134	-9.56E+00	7.06E+00	2.00E+01	U
TV	ONS4-V	485546002	7/23/2019	Cs-137	8.82E+00	8.00E+00	2.77E+01	U
TV	ONS4-V	485546002	7/23/2019	Fe-59	-1.49E+01	1.32E+01	3.70E+01	U
TV	ONS4-V	485546002	7/23/2019	I-131	2.49E+00	8.17E+00	2.73E+01	U
TV	ONS4-V	485546002	7/23/2019	K-40	2.33E+03	2.76E+02	2.37E+02	
TV	ONS4-V	485546002	7/23/2019	La-140	1.59E+01	9.70E+00	3.50E+01	U
TV	ONS4-V	485546002	7/23/2019	Mn-54	1.45E+01	7.95E+00	2.67E+01	U
TV	ONS4-V	485546002	7/23/2019	Nb-95	-2.08E+01	9.99E+00	2.13E+01	U
TV	ONS4-V	485546002	7/23/2019	Ru-103	-5.36E+00	6.98E+00	1.85E+01	U
TV	ONS4-V	485546002	7/23/2019	Ru-106	3.27E+01	5.88E+01	1.92E+02	U
TV	ONS4-V	485546002	7/23/2019	Sb-124	2.63E+01	1.87E+01	4.26E+01	U
TV	ONS4-V	485546002	7/23/2019	Sb-125	-1.51E+01	1.76E+01	5.37E+01	U
TV	ONS4-V	485546002	7/23/2019	Se-75	8.31E-01	7.99E+00	2.70E+01	U
TV	ONS4-V	485546002	7/23/2019	Th-228	7.76E+00	2.31E+01	4.73E+01	U
TV	ONS4-V	485546002	7/23/2019	Zn-65	2.48E+00	1.50E+01	4.94E+01	U
TV	ONS4-V	485546002	7/23/2019	Zr-95	2.15E+01	1.18E+01	4.05E+01	U
TV	ONS4-V	485546003	7/23/2019	Ac-228	1.57E+02	5.93E+01	9.22E+01	UI
TV	ONS4-V	485546003	7/23/2019	Ag-108m	-2.27E+00	5.43E+00	1.44E+01	U
TV	ONS4-V	485546003	7/23/2019	Ag-110m	-5.95E+00	8.19E+00	2.46E+01	U
TV	ONS4-V	485546003	7/23/2019	Ba-140	-3.97E+01	2.56E+01	5.82E+01	U
TV	ONS4-V	485546003	7/23/2019	Be-7	5.32E+02	1.09E+02	1.59E+02	
TV	ONS4-V	485546003	7/23/2019	Ce-141	-3.91E-01	7.00E+00	2.32E+01	U
TV	ONS4-V	485546003	7/23/2019	Ce-144	1.48E+01	2.71E+01	9.13E+01	U
TV	ONS4-V	485546003	7/23/2019	Co-57	1.09E+00	3.56E+00	1.12E+01	U
TV	ONS4-V	485546003	7/23/2019	Co-58	2.05E+00	4.45E+00	1.49E+01	U
TV	ONS4-V	485546003	7/23/2019	Co-60	-3.27E+00	5.36E+00	1.66E+01	U
TV	ONS4-V	485546003	7/23/2019	Cr-51	6.33E+00	4.08E+01	1.29E+02	U
TV	ONS4-V	485546003	7/23/2019	Cs-134	-2.15E-01	5.63E+00	1.83E+01	U
TV	ONS4-V	485546003	7/23/2019	Cs-137	-2.86E+00	8.56E+00	2.40E+01	U
TV	ONS4-V	485546003	7/23/2019	Fe-59	9.94E+00	1.15E+01	4.03E+01	U
TV	ONS4-V	485546003	7/23/2019	I-131	-1.37E+00	6.34E+00	1.95E+01	U
TV	ONS4-V	485546003	7/23/2019	K-40	3.19E+03	2.72E+02	1.99E+02	
TV	ONS4-V	485546003	7/23/2019	La-140	6.25E+00	6.85E+00	2.37E+01	U
TV	ONS4-V	485546003	7/23/2019	Mn-54	-4.17E+00	5.35E+00	1.60E+01	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	485546003	7/23/2019	Nb-95	2.21E+00	4.76E+00	1.60E+01	U
TV	ONS4-V	485546003	7/23/2019	Ru-103	3.23E+00	4.70E+00	1.62E+01	U
TV	ONS4-V	485546003	7/23/2019	Ru-106	-2.82E+01	4.86E+01	1.54E+02	U
TV	ONS4-V	485546003	7/23/2019	Sb-124	2.35E+00	1.09E+01	3.66E+01	U
TV	ONS4-V	485546003	7/23/2019	Sb-125	1.25E+01	1.35E+01	4.67E+01	U
TV	ONS4-V	485546003	7/23/2019	Se-75	-7.38E+00	5.86E+00	1.66E+01	U
TV	ONS4-V	485546003	7/23/2019	Th-228	1.17E+01	1.75E+01	2.36E+01	U
TV	ONS4-V	485546003	7/23/2019	Zn-65	1.29E+01	1.51E+01	4.77E+01	U
TV	ONS4-V	485546003	7/23/2019	Zr-95	-1.13E+01	9.36E+00	2.65E+01	U
TV	ONS5-V	485546004	7/23/2019	Ac-228	-4.56E+01	3.81E+01	1.02E+02	U
TV	ONS5-V	485546004	7/23/2019	Ag-108m	-7.09E-01	5.95E+00	1.92E+01	U
TV	ONS5-V	485546004	7/23/2019	Ag-110m	2.07E+01	1.05E+01	3.56E+01	U
TV	ONS5-V	485546004	7/23/2019	Ba-140	5.06E+01	3.12E+01	1.02E+02	U
TV	ONS5-V	485546004	7/23/2019	Be-7	1.97E+03	1.60E+02	1.67E+02	
TV	ONS5-V	485546004	7/23/2019	Ce-141	1.34E+01	1.72E+01	3.25E+01	U
TV	ONS5-V	485546004	7/23/2019	Ce-144	2.43E+01	3.69E+01	1.25E+02	U
TV	ONS5-V	485546004	7/23/2019	Co-57	-4.03E+00	5.40E+00	1.76E+01	U
TV	ONS5-V	485546004	7/23/2019	Co-58	9.01E+00	6.33E+00	2.21E+01	U
TV	ONS5-V	485546004	7/23/2019	Co-60	1.03E+01	8.99E+00	2.83E+01	U
TV	ONS5-V	485546004	7/23/2019	Cr-51	1.99E+01	5.34E+01	1.77E+02	U
TV	ONS5-V	485546004	7/23/2019	Cs-134	-8.15E+00	7.63E+00	2.33E+01	U
TV	ONS5-V	485546004	7/23/2019	Cs-137	7.60E+00	1.25E+01	3.08E+01	U
TV	ONS5-V	485546004	7/23/2019	Fe-59	-7.11E+00	1.53E+01	4.91E+01	U
TV	ONS5-V	485546004	7/23/2019	I-131	9.10E+00	8.17E+00	2.72E+01	U
TV	ONS5-V	485546004	7/23/2019	K-40	5.84E+03	4.03E+02	2.28E+02	
TV	ONS5-V	485546004	7/23/2019	La-140	-7.49E+00	8.88E+00	2.55E+01	U
TV	ONS5-V	485546004	7/23/2019	Mn-54	-1.96E+00	6.50E+00	2.15E+01	U
TV	ONS5-V	485546004	7/23/2019	Nb-95	-1.79E+00	7.69E+00	2.33E+01	U
TV	ONS5-V	485546004	7/23/2019	Ru-103	6.87E+00	6.49E+00	2.15E+01	U
TV	ONS5-V	485546004	7/23/2019	Ru-106	-2.32E+01	6.13E+01	1.90E+02	U
TV	ONS5-V	485546004	7/23/2019	Sb-124	1.31E+01	1.75E+01	6.01E+01	U
TV	ONS5-V	485546004	7/23/2019	Sb-125	-5.63E+00	1.78E+01	5.64E+01	U
TV	ONS5-V	485546004	7/23/2019	Se-75	2.48E-01	8.04E+00	2.66E+01	U
TV	ONS5-V	485546004	7/23/2019	Th-228	6.90E-03	1.58E+01	4.32E+01	U
TV	ONS5-V	485546004	7/23/2019	Zn-65	1.84E+01	1.24E+01	5.60E+01	U
TV	ONS5-V	485546004	7/23/2019	Zr-95	-1.35E+01	1.13E+01	3.37E+01	U
TV	ONS5-V	485546005	7/23/2019	Ac-228	5.78E+00	2.33E+01	6.23E+01	U
TV	ONS5-V	485546005	7/23/2019	Ag-108m	5.75E-01	3.13E+00	1.04E+01	U
TV	ONS5-V	485546005	7/23/2019	Ag-110m	2.86E+01	1.70E+01	1.85E+01	UI
TV	ONS5-V	485546005	7/23/2019	Ba-140	-1.90E+01	1.55E+01	4.50E+01	U
TV	ONS5-V	485546005	7/23/2019	Be-7	1.29E+03	9.42E+01	8.39E+01	U
TV	ONS5-V	485546005	7/23/2019	Ce-141	-5.42E+00	6.42E+00	1.65E+01	U
TV	ONS5-V	485546005	7/23/2019	Ce-144	-2.00E+01	2.06E+01	6.20E+01	U
TV	ONS5-V	485546005	7/23/2019	Co-57	8.22E-01	2.59E+00	8.39E+00	U
TV	ONS5-V	485546005	7/23/2019	Co-58	-3.51E-02	4.02E+00	1.20E+01	U
TV	ONS5-V	485546005	7/23/2019	Co-60	3.67E+00	3.98E+00	1.37E+01	U
TV	ONS5-V	485546005	7/23/2019	Cr-51	-1.86E+01	3.02E+01	9.84E+01	U
TV	ONS5-V	485546005	7/23/2019	Cs-134	6.89E+00	4.78E+00	1.56E+01	U
TV	ONS5-V	485546005	7/23/2019	Cs-137	2.52E+00	3.80E+00	1.25E+01	U
TV	ONS5-V	485546005	7/23/2019	Fe-59	-6.28E+00	8.76E+00	2.73E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	485546005	7/23/2019	I-131	-2.23E+00	4.42E+00	1.44E+01	U
TV	ONS5-V	485546005	7/23/2019	K-40	7.49E+03	4.29E+02	1.14E+02	
TV	ONS5-V	485546005	7/23/2019	La-140	-4.24E+00	5.87E+00	1.42E+01	U
TV	ONS5-V	485546005	7/23/2019	Mn-54	-4.58E+00	4.12E+00	1.26E+01	U
TV	ONS5-V	485546005	7/23/2019	Nb-95	1.13E+00	3.92E+00	1.35E+01	U
TV	ONS5-V	485546005	7/23/2019	Ru-103	8.43E+00	6.13E+00	1.11E+01	U
TV	ONS5-V	485546005	7/23/2019	Ru-106	-1.25E+01	3.44E+01	1.08E+02	U
TV	ONS5-V	485546005	7/23/2019	Sb-124	2.02E+01	1.02E+01	3.41E+01	U
TV	ONS5-V	485546005	7/23/2019	Sb-125	-4.60E+00	9.41E+00	3.02E+01	U
TV	ONS5-V	485546005	7/23/2019	Se-75	2.25E+00	4.51E+00	1.55E+01	U
TV	ONS5-V	485546005	7/23/2019	Th-228	3.22E+01	1.47E+01	2.54E+01	UI
TV	ONS5-V	485546005	7/23/2019	Zn-65	-6.06E+00	9.94E+00	3.13E+01	U
TV	ONS5-V	485546005	7/23/2019	Zr-95	3.64E+00	6.65E+00	2.31E+01	U
TV	ONS5-V	485546006	7/23/2019	Ac-228	-1.48E+01	2.78E+01	8.08E+01	U
TV	ONS5-V	485546006	7/23/2019	Ag-108m	-4.68E+00	4.16E+00	1.26E+01	U
TV	ONS5-V	485546006	7/23/2019	Ag-110m	-1.29E+00	7.00E+00	2.19E+01	U
TV	ONS5-V	485546006	7/23/2019	Ba-140	-3.63E+00	1.80E+01	5.84E+01	U
TV	ONS5-V	485546006	7/23/2019	Be-7	8.31E+02	1.00E+02	1.21E+02	
TV	ONS5-V	485546006	7/23/2019	Ce-141	-6.22E+00	6.88E+00	2.07E+01	U
TV	ONS5-V	485546006	7/23/2019	Ce-144	-9.87E+00	2.68E+01	7.71E+01	U
TV	ONS5-V	485546006	7/23/2019	Co-57	9.37E+00	4.03E+00	1.19E+01	U
TV	ONS5-V	485546006	7/23/2019	Co-58	-4.48E+00	5.03E+00	1.47E+01	U
TV	ONS5-V	485546006	7/23/2019	Co-60	1.68E+00	5.81E+00	1.96E+01	U
TV	ONS5-V	485546006	7/23/2019	Cr-51	2.69E+01	3.71E+01	1.27E+02	U
TV	ONS5-V	485546006	7/23/2019	Cs-134	-1.20E+01	7.45E+00	1.61E+01	U
TV	ONS5-V	485546006	7/23/2019	Cs-137	1.67E+01	6.68E+00	2.04E+01	U
TV	ONS5-V	485546006	7/23/2019	Fe-59	1.01E+01	9.56E+00	3.34E+01	U
TV	ONS5-V	485546006	7/23/2019	I-131	9.19E+00	5.76E+00	1.93E+01	U
TV	ONS5-V	485546006	7/23/2019	K-40	2.81E+03	2.43E+02	1.62E+02	
TV	ONS5-V	485546006	7/23/2019	La-140	-1.19E-01	7.12E+00	2.03E+01	U
TV	ONS5-V	485546006	7/23/2019	Mn-54	-8.70E-01	4.69E+00	1.47E+01	U
TV	ONS5-V	485546006	7/23/2019	Nb-95	-1.31E+00	4.98E+00	1.57E+01	U
TV	ONS5-V	485546006	7/23/2019	Ru-103	-4.33E+00	3.92E+00	1.16E+01	U
TV	ONS5-V	485546006	7/23/2019	Ru-106	1.51E+01	4.08E+01	1.35E+02	U
TV	ONS5-V	485546006	7/23/2019	Sb-124	2.56E+00	8.70E+00	2.93E+01	U
TV	ONS5-V	485546006	7/23/2019	Sb-125	-1.01E+01	1.23E+01	3.84E+01	U
TV	ONS5-V	485546006	7/23/2019	Se-75	-3.48E+00	5.18E+00	1.71E+01	U
TV	ONS5-V	485546006	7/23/2019	Th-228	5.18E+00	1.50E+01	3.15E+01	U
TV	ONS5-V	485546006	7/23/2019	Zn-65	-7.95E+00	1.12E+01	3.53E+01	U
TV	ONS5-V	485546006	7/23/2019	Zr-95	6.27E+00	8.46E+00	2.81E+01	U
TV	OFS1-V	485546007	7/23/2019	Ac-228	5.17E+01	3.81E+01	8.17E+01	U
TV	OFS1-V	485546007	7/23/2019	Ag-108m	8.00E-02	3.73E+00	1.13E+01	U
TV	OFS1-V	485546007	7/23/2019	Ag-110m	-5.12E-01	6.14E+00	1.95E+01	U
TV	OFS1-V	485546007	7/23/2019	Ba-140	4.32E+00	1.75E+01	5.87E+01	U
TV	OFS1-V	485546007	7/23/2019	Be-7	8.14E+02	8.27E+01	1.08E+02	
TV	OFS1-V	485546007	7/23/2019	Ce-141	-1.57E+01	8.40E+00	1.84E+01	U
TV	OFS1-V	485546007	7/23/2019	Ce-144	3.71E+01	2.43E+01	7.79E+01	U
TV	OFS1-V	485546007	7/23/2019	Co-57	7.21E+00	3.50E+00	1.09E+01	U
TV	OFS1-V	485546007	7/23/2019	Co-58	-1.42E+00	4.45E+00	1.39E+01	U
TV	OFS1-V	485546007	7/23/2019	Co-60	1.41E+01	7.08E+00	2.41E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	OFS1-V	485546007	7/23/2019	Cr-51	-7.41E+00	3.65E+01	1.23E+02	U
TV	OFS1-V	485546007	7/23/2019	Cs-134	-2.30E+00	5.29E+00	1.43E+01	U
TV	OFS1-V	485546007	7/23/2019	Cs-137	8.01E+00	4.78E+00	1.62E+01	U
TV	OFS1-V	485546007	7/23/2019	Fe-59	1.58E+01	9.83E+00	3.46E+01	U
TV	OFS1-V	485546007	7/23/2019	I-131	-4.54E+00	5.74E+00	1.84E+01	U
TV	OFS1-V	485546007	7/23/2019	K-40	2.47E+03	2.15E+02	1.30E+02	
TV	OFS1-V	485546007	7/23/2019	La-140	-6.19E+00	7.35E+00	2.15E+01	U
TV	OFS1-V	485546007	7/23/2019	Mn-54	-2.97E+00	4.70E+00	1.42E+01	U
TV	OFS1-V	485546007	7/23/2019	Nb-95	-3.58E+00	4.68E+00	1.40E+01	U
TV	OFS1-V	485546007	7/23/2019	Ru-103	9.91E-01	3.71E+00	1.25E+01	U
TV	OFS1-V	485546007	7/23/2019	Ru-106	8.28E+00	3.96E+01	1.32E+02	U
TV	OFS1-V	485546007	7/23/2019	Sb-124	8.32E+00	1.11E+01	3.88E+01	U
TV	OFS1-V	485546007	7/23/2019	Sb-125	4.52E+01	2.38E+01	3.95E+01	UI
TV	OFS1-V	485546007	7/23/2019	Se-75	2.76E+00	5.36E+00	1.86E+01	U
TV	OFS1-V	485546007	7/23/2019	Th-228	1.96E+00	1.30E+01	3.09E+01	U
TV	OFS1-V	485546007	7/23/2019	Zn-65	2.88E+00	9.35E+00	3.23E+01	U
TV	OFS1-V	485546007	7/23/2019	Zr-95	-8.15E+00	7.56E+00	2.14E+01	U
TV	ONS4-V	488641001	8/22/2019	Ac-228	4.47E+01	3.71E+01	1.18E+02	U
TV	ONS4-V	488641001	8/22/2019	Ag-108m	8.62E+00	1.23E+01	2.21E+01	U
TV	ONS4-V	488641001	8/22/2019	Ag-110m	-7.21E-01	9.56E+00	3.19E+01	U
TV	ONS4-V	488641001	8/22/2019	Ba-140	-1.71E+01	2.97E+01	9.14E+01	U
TV	ONS4-V	488641001	8/22/2019	Be-7	1.74E+03	1.76E+02	1.76E+02	
TV	ONS4-V	488641001	8/22/2019	Ce-141	-1.02E+01	1.08E+01	3.10E+01	U
TV	ONS4-V	488641001	8/22/2019	Ce-144	1.64E+01	3.84E+01	1.21E+02	U
TV	ONS4-V	488641001	8/22/2019	Co-57	-1.25E+00	4.95E+00	1.53E+01	U
TV	ONS4-V	488641001	8/22/2019	Co-58	5.42E+00	7.49E+00	2.59E+01	U
TV	ONS4-V	488641001	8/22/2019	Co-60	2.54E+00	6.46E+00	2.19E+01	U
TV	ONS4-V	488641001	8/22/2019	Cr-51	-1.45E+01	5.40E+01	1.77E+02	U
TV	ONS4-V	488641001	8/22/2019	Cs-134	2.86E+00	7.83E+00	2.69E+01	U
TV	ONS4-V	488641001	8/22/2019	Cs-137	5.79E-01	7.31E+00	2.33E+01	U
TV	ONS4-V	488641001	8/22/2019	Fe-59	1.04E+01	1.39E+01	4.33E+01	U
TV	ONS4-V	488641001	8/22/2019	I-131	2.20E+00	9.11E+00	3.03E+01	U
TV	ONS4-V	488641001	8/22/2019	K-40	3.24E+03	3.09E+02	2.22E+02	
TV	ONS4-V	488641001	8/22/2019	La-140	-2.10E+00	8.85E+00	2.74E+01	U
TV	ONS4-V	488641001	8/22/2019	Mn-54	4.41E+01	2.59E+01	2.20E+01	UI
TV	ONS4-V	488641001	8/22/2019	Nb-95	1.43E+00	7.12E+00	2.43E+01	U
TV	ONS4-V	488641001	8/22/2019	Ru-103	-2.08E+00	6.41E+00	2.03E+01	U
TV	ONS4-V	488641001	8/22/2019	Ru-106	-1.47E+02	7.18E+01	1.67E+02	U
TV	ONS4-V	488641001	8/22/2019	Sb-124	3.29E+00	1.48E+01	5.10E+01	U
TV	ONS4-V	488641001	8/22/2019	Sb-125	-3.57E+01	2.08E+01	5.23E+01	U
TV	ONS4-V	488641001	8/22/2019	Se-75	-4.71E+00	8.71E+00	2.83E+01	U
TV	ONS4-V	488641001	8/22/2019	Th-228	2.09E+01	2.11E+01	4.42E+01	U
TV	ONS4-V	488641001	8/22/2019	Zn-65	-1.74E+01	1.38E+01	3.81E+01	U
TV	ONS4-V	488641001	8/22/2019	Zr-95	-1.20E+01	1.30E+01	4.05E+01	U
TV	ONS4-V	488641002	8/22/2019	Ac-228	1.60E+01	4.03E+01	1.33E+02	U
TV	ONS4-V	488641002	8/22/2019	Ag-108m	-8.90E+00	6.19E+00	1.79E+01	U
TV	ONS4-V	488641002	8/22/2019	Ag-110m	1.66E-01	8.38E+00	2.71E+01	U
TV	ONS4-V	488641002	8/22/2019	Ba-140	3.60E+01	2.72E+01	9.59E+01	U
TV	ONS4-V	488641002	8/22/2019	Be-7	2.17E+03	1.95E+02	1.70E+02	
TV	ONS4-V	488641002	8/22/2019	Ce-141	-3.03E+01	1.44E+01	2.98E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	488641002	8/22/2019	Ce-144	-5.43E+01	4.53E+01	1.38E+02	U
TV	ONS4-V	488641002	8/22/2019	Co-57	-6.61E+00	5.57E+00	1.70E+01	U
TV	ONS4-V	488641002	8/22/2019	Co-58	6.66E+00	8.07E+00	2.75E+01	U
TV	ONS4-V	488641002	8/22/2019	Co-60	-9.69E-01	7.57E+00	2.49E+01	U
TV	ONS4-V	488641002	8/22/2019	Cr-51	2.94E+02	9.84E+01	1.80E+02	UI
TV	ONS4-V	488641002	8/22/2019	Cs-134	-3.53E+00	6.92E+00	2.11E+01	U
TV	ONS4-V	488641002	8/22/2019	Cs-137	1.81E+01	1.64E+01	2.03E+01	U
TV	ONS4-V	488641002	8/22/2019	Fe-59	-8.15E+00	1.57E+01	4.93E+01	U
TV	ONS4-V	488641002	8/22/2019	I-131	-7.05E+00	1.11E+01	3.27E+01	U
TV	ONS4-V	488641002	8/22/2019	K-40	1.73E+03	2.64E+02	2.32E+02	
TV	ONS4-V	488641002	8/22/2019	La-140	8.59E+00	1.05E+01	3.75E+01	U
TV	ONS4-V	488641002	8/22/2019	Mn-54	-1.16E+01	9.09E+00	2.42E+01	U
TV	ONS4-V	488641002	8/22/2019	Nb-95	3.82E+00	7.72E+00	2.60E+01	U
TV	ONS4-V	488641002	8/22/2019	Ru-103	8.13E-01	7.16E+00	2.43E+01	U
TV	ONS4-V	488641002	8/22/2019	Ru-106	-1.20E+02	7.14E+01	1.86E+02	U
TV	ONS4-V	488641002	8/22/2019	Sb-124	-1.06E+01	1.44E+01	3.97E+01	U
TV	ONS4-V	488641002	8/22/2019	Sb-125	1.89E+00	1.70E+01	5.84E+01	U
TV	ONS4-V	488641002	8/22/2019	Se-75	8.15E-01	7.83E+00	2.51E+01	U
TV	ONS4-V	488641002	8/22/2019	Th-228	1.68E+01	3.21E+01	5.72E+01	U
TV	ONS4-V	488641002	8/22/2019	Zn-65	3.74E+00	1.50E+01	5.20E+01	U
TV	ONS4-V	488641002	8/22/2019	Zr-95	1.22E+01	1.27E+01	4.39E+01	U
TV	ONS4-V	488641003	8/22/2019	Ac-228	4.55E+01	4.60E+01	1.52E+02	U
TV	ONS4-V	488641003	8/22/2019	Ag-108m	-2.54E+00	9.48E+00	2.91E+01	U
TV	ONS4-V	488641003	8/22/2019	Ag-110m	-5.82E+00	1.14E+01	3.59E+01	U
TV	ONS4-V	488641003	8/22/2019	Ba-140	-9.55E+00	4.12E+01	1.30E+02	U
TV	ONS4-V	488641003	8/22/2019	Be-7	1.63E+03	1.67E+02	1.89E+02	
TV	ONS4-V	488641003	8/22/2019	Ce-141	8.79E+00	1.43E+01	4.61E+01	U
TV	ONS4-V	488641003	8/22/2019	Ce-144	5.99E+01	5.24E+01	1.67E+02	U
TV	ONS4-V	488641003	8/22/2019	Co-57	1.17E+01	7.71E+00	2.42E+01	U
TV	ONS4-V	488641003	8/22/2019	Co-58	-3.06E+00	9.71E+00	3.19E+01	U
TV	ONS4-V	488641003	8/22/2019	Co-60	-7.55E+00	9.28E+00	2.62E+01	U
TV	ONS4-V	488641003	8/22/2019	Cr-51	-9.83E+01	7.74E+01	2.27E+02	U
TV	ONS4-V	488641003	8/22/2019	Cs-134	3.17E+00	9.48E+00	3.27E+01	U
TV	ONS4-V	488641003	8/22/2019	Cs-137	-2.57E+00	9.49E+00	2.93E+01	U
TV	ONS4-V	488641003	8/22/2019	Fe-59	7.00E+00	1.78E+01	6.07E+01	U
TV	ONS4-V	488641003	8/22/2019	I-131	9.50E+00	1.38E+01	4.63E+01	U
TV	ONS4-V	488641003	8/22/2019	K-40	3.05E+03	3.18E+02	2.22E+02	
TV	ONS4-V	488641003	8/22/2019	La-140	-7.36E+00	1.08E+01	2.96E+01	U
TV	ONS4-V	488641003	8/22/2019	Mn-54	5.29E+00	8.62E+00	3.01E+01	U
TV	ONS4-V	488641003	8/22/2019	Nb-95	-3.78E+00	9.09E+00	2.96E+01	U
TV	ONS4-V	488641003	8/22/2019	Ru-103	-9.50E+00	9.05E+00	2.61E+01	U
TV	ONS4-V	488641003	8/22/2019	Ru-106	-1.62E+02	8.79E+01	2.04E+02	U
TV	ONS4-V	488641003	8/22/2019	Sb-124	1.55E+01	1.69E+01	6.37E+01	U
TV	ONS4-V	488641003	8/22/2019	Sb-125	-3.09E+01	2.52E+01	7.19E+01	U
TV	ONS4-V	488641003	8/22/2019	Se-75	4.52E-01	1.29E+01	3.87E+01	U
TV	ONS4-V	488641003	8/22/2019	Th-228	2.38E+01	3.22E+01	6.37E+01	U
TV	ONS4-V	488641003	8/22/2019	Zn-65	8.61E+00	2.32E+01	7.02E+01	U
TV	ONS4-V	488641003	8/22/2019	Zr-95	3.89E+00	1.54E+01	5.31E+01	U
TV	ONS5-V	488641004	8/22/2019	Ac-228	3.88E+01	5.36E+01	1.79E+02	U
TV	ONS5-V	488641004	8/22/2019	Ag-108m	-6.95E+00	9.41E+00	2.88E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	488641004	8/22/2019	Ag-110m	-6.46E+00	1.53E+01	4.98E+01	U
TV	ONS5-V	488641004	8/22/2019	Ba-140	-3.13E+00	4.09E+01	1.32E+02	U
TV	ONS5-V	488641004	8/22/2019	Be-7	2.56E+03	2.70E+02	2.96E+02	
TV	ONS5-V	488641004	8/22/2019	Ce-141	3.41E+00	1.65E+01	5.64E+01	U
TV	ONS5-V	488641004	8/22/2019	Ce-144	-7.32E+01	6.51E+01	2.05E+02	U
TV	ONS5-V	488641004	8/22/2019	Co-57	-7.50E+00	8.92E+00	2.90E+01	U
TV	ONS5-V	488641004	8/22/2019	Co-58	9.23E+00	1.08E+01	3.64E+01	U
TV	ONS5-V	488641004	8/22/2019	Co-60	2.70E+00	1.06E+01	3.61E+01	U
TV	ONS5-V	488641004	8/22/2019	Cr-51	2.97E+01	8.89E+01	3.00E+02	U
TV	ONS5-V	488641004	8/22/2019	Cs-134	-1.94E+01	1.12E+01	2.45E+01	U
TV	ONS5-V	488641004	8/22/2019	Cs-137	-2.83E+01	1.26E+01	2.47E+01	U
TV	ONS5-V	488641004	8/22/2019	Fe-59	-4.94E+00	2.97E+01	8.71E+01	U
TV	ONS5-V	488641004	8/22/2019	I-131	1.78E+01	1.45E+01	4.94E+01	U
TV	ONS5-V	488641004	8/22/2019	K-40	7.56E+03	6.57E+02	3.18E+02	
TV	ONS5-V	488641004	8/22/2019	La-140	-1.15E+00	1.25E+01	3.49E+01	U
TV	ONS5-V	488641004	8/22/2019	Mn-54	6.59E+00	9.94E+00	3.33E+01	U
TV	ONS5-V	488641004	8/22/2019	Nb-95	-3.54E+00	1.05E+01	3.21E+01	U
TV	ONS5-V	488641004	8/22/2019	Ru-103	-6.33E+00	9.88E+00	3.02E+01	U
TV	ONS5-V	488641004	8/22/2019	Ru-106	8.86E+01	8.00E+01	2.76E+02	U
TV	ONS5-V	488641004	8/22/2019	Sb-124	-1.11E+01	1.22E+01	2.51E+01	U
TV	ONS5-V	488641004	8/22/2019	Sb-125	1.49E+01	2.61E+01	8.81E+01	U
TV	ONS5-V	488641004	8/22/2019	Se-75	6.91E+00	1.38E+01	4.69E+01	U
TV	ONS5-V	488641004	8/22/2019	Th-228	4.36E+00	2.16E+01	7.23E+01	U
TV	ONS5-V	488641004	8/22/2019	Zn-65	-7.35E+00	2.40E+01	7.79E+01	U
TV	ONS5-V	488641004	8/22/2019	Zr-95	-2.71E+01	2.02E+01	5.22E+01	U
TV	ONS5-V	488641005	8/22/2019	Ac-228	1.40E+00	2.92E+01	1.01E+02	U
TV	ONS5-V	488641005	8/22/2019	Ag-108m	9.60E-01	5.07E+00	1.71E+01	U
TV	ONS5-V	488641005	8/22/2019	Ag-110m	-9.25E-01	9.36E+00	2.94E+01	U
TV	ONS5-V	488641005	8/22/2019	Ba-140	4.01E+01	2.71E+01	9.32E+01	U
TV	ONS5-V	488641005	8/22/2019	Be-7	2.28E+03	1.96E+02	1.47E+02	
TV	ONS5-V	488641005	8/22/2019	Ce-141	6.80E+00	7.29E+00	2.25E+01	U
TV	ONS5-V	488641005	8/22/2019	Ce-144	5.59E+00	2.50E+01	8.17E+01	U
TV	ONS5-V	488641005	8/22/2019	Co-57	3.61E+00	3.37E+00	1.12E+01	U
TV	ONS5-V	488641005	8/22/2019	Co-58	5.01E+00	6.36E+00	2.15E+01	U
TV	ONS5-V	488641005	8/22/2019	Co-60	1.56E+01	8.37E+00	3.08E+01	U
TV	ONS5-V	488641005	8/22/2019	Cr-51	-5.76E+01	5.15E+01	1.60E+02	U
TV	ONS5-V	488641005	8/22/2019	Cs-134	3.81E+00	6.22E+00	2.10E+01	U
TV	ONS5-V	488641005	8/22/2019	Cs-137	4.81E+00	6.27E+00	2.13E+01	U
TV	ONS5-V	488641005	8/22/2019	Fe-59	-2.26E+01	1.43E+01	3.70E+01	U
TV	ONS5-V	488641005	8/22/2019	I-131	-4.24E+00	6.97E+00	2.24E+01	U
TV	ONS5-V	488641005	8/22/2019	K-40	6.09E+03	4.17E+02	2.11E+02	
TV	ONS5-V	488641005	8/22/2019	La-140	-5.69E-01	7.21E+00	2.31E+01	U
TV	ONS5-V	488641005	8/22/2019	Mn-54	-1.03E+00	6.63E+00	2.14E+01	U
TV	ONS5-V	488641005	8/22/2019	Nb-95	6.95E+00	6.48E+00	2.21E+01	U
TV	ONS5-V	488641005	8/22/2019	Ru-103	-3.63E+00	5.11E+00	1.57E+01	U
TV	ONS5-V	488641005	8/22/2019	Ru-106	5.00E+01	5.21E+01	1.79E+02	U
TV	ONS5-V	488641005	8/22/2019	Sb-124	-3.55E+00	1.50E+01	4.67E+01	U
TV	ONS5-V	488641005	8/22/2019	Sb-125	5.75E+00	1.58E+01	4.88E+01	U
TV	ONS5-V	488641005	8/22/2019	Se-75	9.39E+00	6.60E+00	2.13E+01	U
TV	ONS5-V	488641005	8/22/2019	Th-228	-9.12E+00	1.06E+01	3.20E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	488641005	8/22/2019	Zn-65	-3.09E+01	1.73E+01	4.35E+01	U
TV	ONS5-V	488641005	8/22/2019	Zr-95	-4.55E+00	9.49E+00	2.86E+01	U
TV	ONS5-V	488641006	8/22/2019	Ac-228	6.34E+01	4.54E+01	1.61E+02	U
TV	ONS5-V	488641006	8/22/2019	Ag-108m	1.25E+01	1.01E+01	3.02E+01	U
TV	ONS5-V	488641006	8/22/2019	Ag-110m	9.20E+00	1.37E+01	4.77E+01	U
TV	ONS5-V	488641006	8/22/2019	Ba-140	2.94E+01	4.04E+01	1.37E+02	U
TV	ONS5-V	488641006	8/22/2019	Be-7	4.32E+03	3.29E+02	3.11E+02	
TV	ONS5-V	488641006	8/22/2019	Ce-141	-5.96E+00	1.37E+01	4.31E+01	U
TV	ONS5-V	488641006	8/22/2019	Ce-144	-4.33E+01	5.21E+01	1.58E+02	U
TV	ONS5-V	488641006	8/22/2019	Co-57	2.27E+00	6.25E+00	2.09E+01	U
TV	ONS5-V	488641006	8/22/2019	Co-58	-5.49E+00	1.03E+01	3.18E+01	U
TV	ONS5-V	488641006	8/22/2019	Co-60	-1.38E+01	9.21E+00	1.85E+01	U
TV	ONS5-V	488641006	8/22/2019	Cr-51	-4.90E+01	8.56E+01	2.75E+02	U
TV	ONS5-V	488641006	8/22/2019	Cs-134	-4.34E+00	1.18E+01	3.75E+01	U
TV	ONS5-V	488641006	8/22/2019	Cs-137	1.18E+01	1.06E+01	3.79E+01	U
TV	ONS5-V	488641006	8/22/2019	Fe-59	-1.03E+01	2.28E+01	6.83E+01	U
TV	ONS5-V	488641006	8/22/2019	I-131	-1.79E+00	1.58E+01	5.22E+01	U
TV	ONS5-V	488641006	8/22/2019	K-40	2.76E+03	3.81E+02	3.41E+02	
TV	ONS5-V	488641006	8/22/2019	La-140	-1.17E+00	1.80E+01	5.82E+01	U
TV	ONS5-V	488641006	8/22/2019	Mn-54	3.25E+00	9.30E+00	3.18E+01	U
TV	ONS5-V	488641006	8/22/2019	Nb-95	-3.62E+00	1.22E+01	3.95E+01	U
TV	ONS5-V	488641006	8/22/2019	Ru-103	1.44E+01	8.30E+00	2.93E+01	U
TV	ONS5-V	488641006	8/22/2019	Ru-106	-1.45E+00	9.38E+01	3.18E+02	U
TV	ONS5-V	488641006	8/22/2019	Sb-124	3.47E+01	2.62E+01	9.93E+01	U
TV	ONS5-V	488641006	8/22/2019	Sb-125	-1.53E+01	2.53E+01	6.75E+01	U
TV	ONS5-V	488641006	8/22/2019	Se-75	-1.36E+00	1.15E+01	3.89E+01	U
TV	ONS5-V	488641006	8/22/2019	Th-228	-1.91E+01	2.06E+01	6.20E+01	U
TV	ONS5-V	488641006	8/22/2019	Zn-65	-3.90E+00	2.02E+01	5.28E+01	U
TV	ONS5-V	488641006	8/22/2019	Zr-95	-1.53E+01	1.91E+01	6.74E+01	U
TV	OFS1-V	488641008	8/22/2019	Ac-228	-7.86E+01	5.66E+01	1.64E+02	U
TV	OFS1-V	488641008	8/22/2019	Ag-108m	-1.52E+01	9.50E+00	2.46E+01	U
TV	OFS1-V	488641008	8/22/2019	Ag-110m	-2.57E+00	1.38E+01	4.47E+01	U
TV	OFS1-V	488641008	8/22/2019	Ba-140	-2.30E+01	5.04E+01	1.55E+02	U
TV	OFS1-V	488641008	8/22/2019	Be-7	3.32E+03	2.97E+02	3.11E+02	
TV	OFS1-V	488641008	8/22/2019	Ce-141	-8.45E+00	1.90E+01	5.12E+01	U
TV	OFS1-V	488641008	8/22/2019	Ce-144	1.59E+01	5.61E+01	1.80E+02	U
TV	OFS1-V	488641008	8/22/2019	Co-57	8.49E+00	1.12E+01	2.77E+01	U
TV	OFS1-V	488641008	8/22/2019	Co-58	-1.13E+01	1.26E+01	3.17E+01	U
TV	OFS1-V	488641008	8/22/2019	Co-60	1.09E+01	1.03E+01	3.73E+01	U
TV	OFS1-V	488641008	8/22/2019	Cr-51	-2.14E+01	9.83E+01	3.23E+02	U
TV	OFS1-V	488641008	8/22/2019	Cs-134	8.77E+00	9.84E+00	3.53E+01	U
TV	OFS1-V	488641008	8/22/2019	Cs-137	1.43E+01	1.06E+01	3.79E+01	U
TV	OFS1-V	488641008	8/22/2019	Fe-59	-2.93E+01	2.16E+01	5.35E+01	U
TV	OFS1-V	488641008	8/22/2019	I-131	-3.11E+01	1.63E+01	4.07E+01	U
TV	OFS1-V	488641008	8/22/2019	K-40	2.53E+03	3.32E+02	2.51E+02	
TV	OFS1-V	488641008	8/22/2019	La-140	-9.55E+00	1.95E+01	6.08E+01	U
TV	OFS1-V	488641008	8/22/2019	Mn-54	-9.78E+00	1.23E+01	3.76E+01	U
TV	OFS1-V	488641008	8/22/2019	Nb-95	-3.43E+00	1.08E+01	3.50E+01	U
TV	OFS1-V	488641008	8/22/2019	Ru-103	9.85E+00	1.07E+01	3.61E+01	U
TV	OFS1-V	488641008	8/22/2019	Ru-106	6.95E+01	8.68E+01	2.93E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	OFS1-V	488641008	8/22/2019	Sb-124	1.19E+00	2.23E+01	7.48E+01	U
TV	OFS1-V	488641008	8/22/2019	Sb-125	-5.25E+00	2.90E+01	8.28E+01	U
TV	OFS1-V	488641008	8/22/2019	Se-75	2.00E+01	1.43E+01	4.87E+01	U
TV	OFS1-V	488641008	8/22/2019	Th-228	2.55E+01	5.29E+01	5.47E+01	U
TV	OFS1-V	488641008	8/22/2019	Zn-65	6.77E+00	2.24E+01	7.56E+01	U
TV	OFS1-V	488641008	8/22/2019	Zr-95	4.49E+00	1.93E+01	6.60E+01	U
TV	ONS4-V	490385001	9/16/2019	Ac-228	7.00E+00	5.57E+01	1.01E+02	U
TV	ONS4-V	490385001	9/16/2019	Ag-108m	-1.28E+00	5.24E+00	1.75E+01	U
TV	ONS4-V	490385001	9/16/2019	Ag-110m	8.28E+00	9.12E+00	3.10E+01	U
TV	ONS4-V	490385001	9/16/2019	Ba-140	-1.88E+01	3.13E+01	9.98E+01	U
TV	ONS4-V	490385001	9/16/2019	Be-7	1.74E+03	1.60E+02	1.63E+02	
TV	ONS4-V	490385001	9/16/2019	Ce-141	-1.07E+01	1.05E+01	3.14E+01	U
TV	ONS4-V	490385001	9/16/2019	Ce-144	8.02E+01	4.09E+01	1.28E+02	U
TV	ONS4-V	490385001	9/16/2019	Co-57	-8.98E-01	5.58E+00	1.52E+01	U
TV	ONS4-V	490385001	9/16/2019	Co-58	-2.27E+00	5.93E+00	1.86E+01	U
TV	ONS4-V	490385001	9/16/2019	Co-60	-2.22E+01	9.33E+00	1.75E+01	U
TV	ONS4-V	490385001	9/16/2019	Cr-51	1.08E+00	5.38E+01	1.85E+02	U
TV	ONS4-V	490385001	9/16/2019	Cs-134	8.50E+00	7.77E+00	2.64E+01	U
TV	ONS4-V	490385001	9/16/2019	Cs-137	2.98E+00	6.19E+00	2.10E+01	U
TV	ONS4-V	490385001	9/16/2019	Fe-59	5.02E-01	1.48E+01	4.74E+01	U
TV	ONS4-V	490385001	9/16/2019	I-131	-3.96E+00	1.06E+01	3.55E+01	U
TV	ONS4-V	490385001	9/16/2019	K-40	2.25E+03	2.59E+02	1.99E+02	
TV	ONS4-V	490385001	9/16/2019	La-140	5.77E+00	9.20E+00	3.27E+01	U
TV	ONS4-V	490385001	9/16/2019	Mn-54	-7.54E+00	6.25E+00	1.73E+01	U
TV	ONS4-V	490385001	9/16/2019	Nb-95	-7.43E+00	6.62E+00	1.90E+01	U
TV	ONS4-V	490385001	9/16/2019	Ru-103	5.31E+00	5.91E+00	2.05E+01	U
TV	ONS4-V	490385001	9/16/2019	Ru-106	3.23E+01	6.07E+01	2.06E+02	U
TV	ONS4-V	490385001	9/16/2019	Sb-124	-2.72E+01	1.57E+01	3.37E+01	U
TV	ONS4-V	490385001	9/16/2019	Sb-125	-9.80E-01	1.68E+01	5.67E+01	U
TV	ONS4-V	490385001	9/16/2019	Se-75	2.69E-01	8.58E+00	2.70E+01	U
TV	ONS4-V	490385001	9/16/2019	Th-228	7.57E+00	1.54E+01	4.25E+01	U
TV	ONS4-V	490385001	9/16/2019	Zn-65	9.81E+00	1.99E+01	4.81E+01	U
TV	ONS4-V	490385001	9/16/2019	Zr-95	-8.93E+00	1.26E+01	3.84E+01	U
TV	ONS4-V	490385002	9/16/2019	Ac-228	1.05E+01	3.19E+01	1.08E+02	U
TV	ONS4-V	490385002	9/16/2019	Ag-108m	2.62E+00	9.56E+00	2.69E+01	U
TV	ONS4-V	490385002	9/16/2019	Ag-110m	1.11E+01	1.19E+01	4.10E+01	U
TV	ONS4-V	490385002	9/16/2019	Ba-140	1.43E+01	4.25E+01	1.39E+02	U
TV	ONS4-V	490385002	9/16/2019	Be-7	1.71E+03	1.64E+02	2.46E+02	
TV	ONS4-V	490385002	9/16/2019	Ce-141	-7.07E+00	1.23E+01	4.12E+01	U
TV	ONS4-V	490385002	9/16/2019	Ce-144	-7.26E+01	5.19E+01	1.44E+02	U
TV	ONS4-V	490385002	9/16/2019	Co-57	2.00E-02	5.81E+00	1.82E+01	U
TV	ONS4-V	490385002	9/16/2019	Co-58	1.95E-01	9.44E+00	3.18E+01	U
TV	ONS4-V	490385002	9/16/2019	Co-60	-2.82E+00	7.82E+00	2.09E+01	U
TV	ONS4-V	490385002	9/16/2019	Cr-51	9.08E+01	8.20E+01	2.73E+02	U
TV	ONS4-V	490385002	9/16/2019	Cs-134	-1.82E+01	9.14E+00	2.33E+01	U
TV	ONS4-V	490385002	9/16/2019	Cs-137	-6.28E-01	9.04E+00	2.86E+01	U
TV	ONS4-V	490385002	9/16/2019	Fe-59	1.06E+01	1.59E+01	5.44E+01	U
TV	ONS4-V	490385002	9/16/2019	I-131	4.45E+01	2.74E+01	4.83E+01	U
TV	ONS4-V	490385002	9/16/2019	K-40	3.99E+03	3.11E+02	2.16E+02	
TV	ONS4-V	490385002	9/16/2019	La-140	-5.35E+00	1.35E+01	4.13E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	490385002	9/16/2019	Mn-54	-4.28E-02	8.93E+00	3.00E+01	U
TV	ONS4-V	490385002	9/16/2019	Nb-95	-5.54E+00	9.61E+00	2.72E+01	U
TV	ONS4-V	490385002	9/16/2019	Ru-103	-9.17E+00	9.78E+00	2.57E+01	U
TV	ONS4-V	490385002	9/16/2019	Ru-106	5.47E+01	7.87E+01	2.57E+02	U
TV	ONS4-V	490385002	9/16/2019	Sb-124	1.73E+01	1.63E+01	5.94E+01	U
TV	ONS4-V	490385002	9/16/2019	Sb-125	7.96E+00	2.63E+01	7.76E+01	U
TV	ONS4-V	490385002	9/16/2019	Se-75	5.58E+00	1.08E+01	3.49E+01	U
TV	ONS4-V	490385002	9/16/2019	Th-228	-1.88E+01	1.69E+01	4.86E+01	U
TV	ONS4-V	490385002	9/16/2019	Zn-65	8.74E+00	1.98E+01	4.54E+01	U
TV	ONS4-V	490385002	9/16/2019	Zr-95	-2.21E+01	1.72E+01	5.18E+01	U
TV	ONS4-V	490385003	9/16/2019	Ac-228	-1.92E+01	3.83E+01	1.05E+02	U
TV	ONS4-V	490385003	9/16/2019	Ag-108m	2.02E+01	7.59E+00	2.24E+01	U
TV	ONS4-V	490385003	9/16/2019	Ag-110m	-3.11E+00	9.66E+00	3.12E+01	U
TV	ONS4-V	490385003	9/16/2019	Ba-140	1.60E+00	3.99E+01	1.27E+02	U
TV	ONS4-V	490385003	9/16/2019	Be-7	4.01E+03	2.45E+02	2.08E+02	U
TV	ONS4-V	490385003	9/16/2019	Ce-141	-3.55E+00	1.19E+01	3.96E+01	U
TV	ONS4-V	490385003	9/16/2019	Ce-144	-5.85E+01	4.48E+01	1.38E+02	U
TV	ONS4-V	490385003	9/16/2019	Co-57	1.63E+00	5.73E+00	1.95E+01	U
TV	ONS4-V	490385003	9/16/2019	Co-58	5.49E+00	7.03E+00	2.19E+01	U
TV	ONS4-V	490385003	9/16/2019	Co-60	-6.87E+00	9.22E+00	2.27E+01	U
TV	ONS4-V	490385003	9/16/2019	Cr-51	-6.93E+01	7.78E+01	2.39E+02	U
TV	ONS4-V	490385003	9/16/2019	Cs-134	-2.82E+00	7.22E+00	2.24E+01	U
TV	ONS4-V	490385003	9/16/2019	Cs-137	-6.29E+00	7.58E+00	2.39E+01	U
TV	ONS4-V	490385003	9/16/2019	Fe-59	-9.80E+00	1.64E+01	4.28E+01	U
TV	ONS4-V	490385003	9/16/2019	I-131	1.69E+01	2.35E+01	4.50E+01	U
TV	ONS4-V	490385003	9/16/2019	K-40	8.40E+02	2.37E+02	2.81E+02	U
TV	ONS4-V	490385003	9/16/2019	La-140	3.14E+00	1.30E+01	4.46E+01	U
TV	ONS4-V	490385003	9/16/2019	Mn-54	-4.23E+00	6.60E+00	2.07E+01	U
TV	ONS4-V	490385003	9/16/2019	Nb-95	-2.71E+00	7.29E+00	2.37E+01	U
TV	ONS4-V	490385003	9/16/2019	Ru-103	-6.79E-01	7.76E+00	2.46E+01	U
TV	ONS4-V	490385003	9/16/2019	Ru-106	-5.81E+01	6.55E+01	2.06E+02	U
TV	ONS4-V	490385003	9/16/2019	Sb-124	1.71E+01	1.91E+01	6.76E+01	U
TV	ONS4-V	490385003	9/16/2019	Sb-125	2.23E+01	2.06E+01	6.73E+01	U
TV	ONS4-V	490385003	9/16/2019	Se-75	-3.55E+00	1.02E+01	3.28E+01	U
TV	ONS4-V	490385003	9/16/2019	Th-228	1.18E+01	3.18E+01	7.41E+01	U
TV	ONS4-V	490385003	9/16/2019	Zn-65	-1.11E+01	1.88E+01	5.81E+01	U
TV	ONS4-V	490385003	9/16/2019	Zr-95	1.85E+00	1.20E+01	4.05E+01	U
TV	ONS5-V	490385005	9/16/2019	Ac-228	1.63E+02	3.64E+01	7.44E+01	UI
TV	ONS5-V	490385005	9/16/2019	Ag-108m	-6.92E+00	6.21E+00	1.89E+01	U
TV	ONS5-V	490385005	9/16/2019	Ag-110m	1.60E+01	1.03E+01	3.47E+01	U
TV	ONS5-V	490385005	9/16/2019	Ba-140	1.63E+01	3.49E+01	1.18E+02	U
TV	ONS5-V	490385005	9/16/2019	Be-7	7.05E+03	3.82E+02	2.01E+02	U
TV	ONS5-V	490385005	9/16/2019	Ce-141	-1.10E+01	1.38E+01	3.42E+01	U
TV	ONS5-V	490385005	9/16/2019	Ce-144	-6.28E+00	4.12E+01	1.31E+02	U
TV	ONS5-V	490385005	9/16/2019	Co-57	2.70E+00	6.24E+00	2.02E+01	U
TV	ONS5-V	490385005	9/16/2019	Co-58	-1.11E+01	7.81E+00	2.07E+01	U
TV	ONS5-V	490385005	9/16/2019	Co-60	-7.20E+00	7.43E+00	2.16E+01	U
TV	ONS5-V	490385005	9/16/2019	Cr-51	-7.04E+01	6.60E+01	2.07E+02	U
TV	ONS5-V	490385005	9/16/2019	Cs-134	7.62E+00	7.99E+00	2.69E+01	U
TV	ONS5-V	490385005	9/16/2019	Cs-137	7.14E+00	7.22E+00	2.45E+01	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	490385005	9/16/2019	Fe-59	-1.72E+01	1.59E+01	4.73E+01	U
TV	ONS5-V	490385005	9/16/2019	I-131	9.87E+00	1.47E+01	5.04E+01	U
TV	ONS5-V	490385005	9/16/2019	K-40	2.25E+03	2.94E+02	2.70E+02	
TV	ONS5-V	490385005	9/16/2019	La-140	-1.01E+01	1.59E+01	4.06E+01	U
TV	ONS5-V	490385005	9/16/2019	Mn-54	7.65E+00	6.68E+00	2.27E+01	U
TV	ONS5-V	490385005	9/16/2019	Nb-95	5.13E+00	6.12E+00	2.09E+01	U
TV	ONS5-V	490385005	9/16/2019	Ru-103	-4.80E+00	6.47E+00	2.01E+01	U
TV	ONS5-V	490385005	9/16/2019	Ru-106	5.82E+00	5.96E+01	1.96E+02	U
TV	ONS5-V	490385005	9/16/2019	Sb-124	-1.92E+01	1.64E+01	4.22E+01	U
TV	ONS5-V	490385005	9/16/2019	Sb-125	2.47E+01	1.73E+01	5.90E+01	U
TV	ONS5-V	490385005	9/16/2019	Se-75	-5.55E+00	8.69E+00	2.88E+01	U
TV	ONS5-V	490385005	9/16/2019	Th-228	-4.86E+01	2.42E+01	7.62E+01	U
TV	ONS5-V	490385005	9/16/2019	Zn-65	4.58E+00	1.29E+01	4.47E+01	U
TV	ONS5-V	490385005	9/16/2019	Zr-95	-2.31E+01	1.46E+01	3.77E+01	U
TV	ONS5-V	490385006	9/16/2019	Ac-228	-5.58E+01	3.34E+01	8.73E+01	U
TV	ONS5-V	490385006	9/16/2019	Ag-108m	-3.74E+00	4.89E+00	1.53E+01	U
TV	ONS5-V	490385006	9/16/2019	Ag-110m	-8.79E+00	8.54E+00	2.63E+01	U
TV	ONS5-V	490385006	9/16/2019	Ba-140	-1.07E+01	2.99E+01	9.50E+01	U
TV	ONS5-V	490385006	9/16/2019	Be-7	3.63E+03	2.34E+02	1.62E+02	
TV	ONS5-V	490385006	9/16/2019	Ce-141	-1.58E+01	1.21E+01	2.91E+01	U
TV	ONS5-V	490385006	9/16/2019	Ce-144	4.83E+01	3.85E+01	8.49E+01	U
TV	ONS5-V	490385006	9/16/2019	Co-57	-2.97E+00	4.27E+00	1.31E+01	U
TV	ONS5-V	490385006	9/16/2019	Co-58	-2.25E+00	6.69E+00	2.23E+01	U
TV	ONS5-V	490385006	9/16/2019	Co-60	3.73E+01	1.24E+01	2.58E+01	UI
TV	ONS5-V	490385006	9/16/2019	Cr-51	-3.84E+01	6.37E+01	1.85E+02	U
TV	ONS5-V	490385006	9/16/2019	Cs-134	-1.05E+00	6.53E+00	1.93E+01	U
TV	ONS5-V	490385006	9/16/2019	Cs-137	6.91E+00	6.47E+00	2.13E+01	U
TV	ONS5-V	490385006	9/16/2019	Fe-59	-1.48E+01	1.50E+01	4.53E+01	U
TV	ONS5-V	490385006	9/16/2019	I-131	2.68E+01	1.41E+01	4.53E+01	U
TV	ONS5-V	490385006	9/16/2019	K-40	7.87E+03	4.60E+02	2.02E+02	
TV	ONS5-V	490385006	9/16/2019	La-140	-1.59E+01	1.09E+01	2.67E+01	U
TV	ONS5-V	490385006	9/16/2019	Mn-54	4.48E+00	5.79E+00	2.01E+01	U
TV	ONS5-V	490385006	9/16/2019	Nb-95	9.02E+00	6.74E+00	2.21E+01	U
TV	ONS5-V	490385006	9/16/2019	Ru-103	-1.02E+01	6.75E+00	1.90E+01	U
TV	ONS5-V	490385006	9/16/2019	Ru-106	1.76E+01	5.21E+01	1.70E+02	U
TV	ONS5-V	490385006	9/16/2019	Sb-124	-1.29E+01	1.48E+01	4.16E+01	U
TV	ONS5-V	490385006	9/16/2019	Sb-125	3.20E+01	1.67E+01	5.37E+01	U
TV	ONS5-V	490385006	9/16/2019	Se-75	4.72E+00	7.40E+00	2.53E+01	U
TV	ONS5-V	490385006	9/16/2019	Th-228	2.24E+01	1.52E+01	3.79E+01	U
TV	ONS5-V	490385006	9/16/2019	Zn-65	2.80E+01	1.68E+01	5.19E+01	U
TV	ONS5-V	490385006	9/16/2019	Zr-95	-1.25E+01	1.18E+01	3.36E+01	U
TV	ONS5-V	490385007	9/16/2019	Ac-228	-1.10E+01	4.02E+01	1.06E+02	U
TV	ONS5-V	490385007	9/16/2019	Ag-108m	1.81E+00	6.61E+00	2.14E+01	U
TV	ONS5-V	490385007	9/16/2019	Ag-110m	-2.26E+00	9.87E+00	3.22E+01	U
TV	ONS5-V	490385007	9/16/2019	Ba-140	-1.33E-01	4.23E+01	1.34E+02	U
TV	ONS5-V	490385007	9/16/2019	Be-7	4.24E+03	2.70E+02	2.29E+02	
TV	ONS5-V	490385007	9/16/2019	Ce-141	-3.04E+00	1.25E+01	4.18E+01	U
TV	ONS5-V	490385007	9/16/2019	Ce-144	-5.43E+01	4.68E+01	1.48E+02	U
TV	ONS5-V	490385007	9/16/2019	Co-57	4.13E+00	5.98E+00	2.03E+01	U
TV	ONS5-V	490385007	9/16/2019	Co-58	1.17E+01	8.32E+00	2.80E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	490385007	9/16/2019	Co-60	1.98E+00	9.63E+00	3.14E+01	U
TV	ONS5-V	490385007	9/16/2019	Cr-51	-3.58E+01	7.66E+01	2.44E+02	U
TV	ONS5-V	490385007	9/16/2019	Cs-134	2.33E+00	7.13E+00	2.41E+01	U
TV	ONS5-V	490385007	9/16/2019	Cs-137	6.71E+00	7.63E+00	2.61E+01	U
TV	ONS5-V	490385007	9/16/2019	Fe-59	-9.99E+00	1.67E+01	5.18E+01	U
TV	ONS5-V	490385007	9/16/2019	I-131	-9.61E+00	1.72E+01	5.41E+01	U
TV	ONS5-V	490385007	9/16/2019	K-40	4.70E+03	4.19E+02	2.84E+02	
TV	ONS5-V	490385007	9/16/2019	La-140	-9.20E+00	1.64E+01	5.23E+01	U
TV	ONS5-V	490385007	9/16/2019	Mn-54	5.61E+00	7.61E+00	2.58E+01	U
TV	ONS5-V	490385007	9/16/2019	Nb-95	5.72E+00	7.28E+00	2.49E+01	U
TV	ONS5-V	490385007	9/16/2019	Ru-103	1.42E+01	9.38E+00	2.98E+01	U
TV	ONS5-V	490385007	9/16/2019	Ru-106	-7.52E+01	6.16E+01	1.87E+02	U
TV	ONS5-V	490385007	9/16/2019	Sb-124	-2.64E+01	2.08E+01	5.93E+01	U
TV	ONS5-V	490385007	9/16/2019	Sb-125	-2.19E+01	2.01E+01	5.92E+01	U
TV	ONS5-V	490385007	9/16/2019	Se-75	-7.88E+00	1.06E+01	3.17E+01	U
TV	ONS5-V	490385007	9/16/2019	Th-228	-4.36E+01	2.63E+01	7.20E+01	U
TV	ONS5-V	490385007	9/16/2019	Zn-65	-2.88E+01	2.01E+01	4.60E+01	U
TV	ONS5-V	490385007	9/16/2019	Zr-95	-1.39E+01	1.48E+01	4.60E+01	U
TV	OFS2-V	490385008	9/16/2019	Ac-228	-7.17E+01	3.76E+01	9.23E+01	U
TV	OFS2-V	490385008	9/16/2019	Ag-108m	1.52E+00	5.29E+00	1.77E+01	U
TV	OFS2-V	490385008	9/16/2019	Ag-110m	-1.06E+01	1.13E+01	3.02E+01	U
TV	OFS2-V	490385008	9/16/2019	Ba-140	2.94E+01	3.92E+01	1.31E+02	U
TV	OFS2-V	490385008	9/16/2019	Be-7	2.82E+03	1.88E+02	1.74E+02	
TV	OFS2-V	490385008	9/16/2019	Ce-141	-1.25E+01	1.34E+01	3.31E+01	U
TV	OFS2-V	490385008	9/16/2019	Ce-144	1.31E+02	4.46E+01	1.13E+02	UI
TV	OFS2-V	490385008	9/16/2019	Co-57	8.85E-01	4.32E+00	1.38E+01	U
TV	OFS2-V	490385008	9/16/2019	Co-58	-4.62E+00	6.16E+00	1.96E+01	U
TV	OFS2-V	490385008	9/16/2019	Co-60	-7.96E+00	7.17E+00	2.03E+01	U
TV	OFS2-V	490385008	9/16/2019	Cr-51	-1.65E+01	6.19E+01	2.05E+02	U
TV	OFS2-V	490385008	9/16/2019	Cs-134	7.38E+00	7.16E+00	2.50E+01	U
TV	OFS2-V	490385008	9/16/2019	Cs-137	2.49E+01	1.22E+01	1.91E+01	UI
TV	OFS2-V	490385008	9/16/2019	Fe-59	-1.32E+01	1.24E+01	3.61E+01	U
TV	OFS2-V	490385008	9/16/2019	I-131	1.98E+01	1.43E+01	4.79E+01	U
TV	OFS2-V	490385008	9/16/2019	K-40	3.23E+03	2.81E+02	2.25E+02	
TV	OFS2-V	490385008	9/16/2019	La-140	-7.76E+00	1.24E+01	3.06E+01	U
TV	OFS2-V	490385008	9/16/2019	Mn-54	4.74E+00	7.04E+00	2.44E+01	U
TV	OFS2-V	490385008	9/16/2019	Nb-95	-6.94E+00	7.64E+00	2.22E+01	U
TV	OFS2-V	490385008	9/16/2019	Ru-103	3.65E-01	7.01E+00	2.30E+01	U
TV	OFS2-V	490385008	9/16/2019	Ru-106	-3.03E+01	6.30E+01	1.96E+02	U
TV	OFS2-V	490385008	9/16/2019	Sb-124	-3.86E+00	1.55E+01	4.82E+01	U
TV	OFS2-V	490385008	9/16/2019	Sb-125	1.23E+01	1.63E+01	5.48E+01	U
TV	OFS2-V	490385008	9/16/2019	Se-75	-4.08E+00	7.41E+00	2.45E+01	U
TV	OFS2-V	490385008	9/16/2019	Th-228	2.43E+01	1.86E+01	4.29E+01	U
TV	OFS2-V	490385008	9/16/2019	Zn-65	8.39E+00	1.65E+01	5.02E+01	U
TV	OFS2-V	490385008	9/16/2019	Zr-95	8.08E+00	1.18E+01	3.88E+01	U
TV	ONS4-V	494068001	10/23/2019	Ac-228	1.00E+02	5.92E+01	8.70E+01	UI
TV	ONS4-V	494068001	10/23/2019	Ag-108m	1.13E+01	6.71E+00	1.71E+01	U
TV	ONS4-V	494068001	10/23/2019	Ag-110m	7.13E+00	7.24E+00	2.45E+01	U
TV	ONS4-V	494068001	10/23/2019	Ba-140	1.79E+01	2.86E+01	8.11E+01	U
TV	ONS4-V	494068001	10/23/2019	Be-7	7.85E+03	3.61E+02	1.56E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	494068001	10/23/2019	Ce-141	-1.13E+01	8.38E+00	2.67E+01	U
TV	ONS4-V	494068001	10/23/2019	Ce-144	-2.92E+00	3.31E+01	1.03E+02	U
TV	ONS4-V	494068001	10/23/2019	Co-57	5.00E-01	4.16E+00	1.30E+01	U
TV	ONS4-V	494068001	10/23/2019	Co-58	-8.11E+00	5.96E+00	1.81E+01	U
TV	ONS4-V	494068001	10/23/2019	Co-60	-4.46E+00	6.60E+00	1.75E+01	U
TV	ONS4-V	494068001	10/23/2019	Cr-51	4.47E+01	5.19E+01	1.72E+02	U
TV	ONS4-V	494068001	10/23/2019	Cs-134	4.37E-01	6.38E+00	2.16E+01	U
TV	ONS4-V	494068001	10/23/2019	Cs-137	3.49E+00	6.08E+00	1.96E+01	U
TV	ONS4-V	494068001	10/23/2019	Fe-59	-1.39E+01	1.09E+01	3.22E+01	U
TV	ONS4-V	494068001	10/23/2019	I-131	8.54E-01	8.30E+00	2.74E+01	U
TV	ONS4-V	494068001	10/23/2019	K-40	3.22E+03	2.76E+02	1.54E+02	
TV	ONS4-V	494068001	10/23/2019	La-140	1.45E+01	1.15E+01	2.39E+01	U
TV	ONS4-V	494068001	10/23/2019	Mn-54	-2.81E+00	6.03E+00	1.92E+01	U
TV	ONS4-V	494068001	10/23/2019	Nb-95	3.20E+00	5.76E+00	1.96E+01	U
TV	ONS4-V	494068001	10/23/2019	Ru-103	-3.66E+00	5.54E+00	1.73E+01	U
TV	ONS4-V	494068001	10/23/2019	Ru-106	-1.45E+01	5.05E+01	1.59E+02	U
TV	ONS4-V	494068001	10/23/2019	Sb-124	-2.91E+00	9.69E+00	3.19E+01	U
TV	ONS4-V	494068001	10/23/2019	Sb-125	-9.98E+00	1.49E+01	4.69E+01	U
TV	ONS4-V	494068001	10/23/2019	Se-75	-2.00E+00	7.37E+00	2.45E+01	U
TV	ONS4-V	494068001	10/23/2019	Th-228	2.19E+01	2.38E+01	3.26E+01	U
TV	ONS4-V	494068001	10/23/2019	Zn-65	1.10E+01	1.26E+01	3.77E+01	U
TV	ONS4-V	494068001	10/23/2019	Zr-95	2.46E+00	9.49E+00	3.23E+01	U
TV	ONS4-V	494068002	10/23/2019	Ac-228	-5.28E+01	3.95E+01	9.17E+01	U
TV	ONS4-V	494068002	10/23/2019	Ag-108m	8.39E+00	1.04E+01	1.77E+01	U
TV	ONS4-V	494068002	10/23/2019	Ag-110m	-8.46E+00	9.01E+00	2.83E+01	U
TV	ONS4-V	494068002	10/23/2019	Ba-140	2.74E+00	3.07E+01	9.91E+01	U
TV	ONS4-V	494068002	10/23/2019	Be-7	5.80E+03	2.94E+02	1.77E+02	
TV	ONS4-V	494068002	10/23/2019	Ce-141	-6.23E+00	9.25E+00	3.10E+01	U
TV	ONS4-V	494068002	10/23/2019	Ce-144	-1.37E+01	3.64E+01	1.12E+02	U
TV	ONS4-V	494068002	10/23/2019	Co-57	-7.28E-02	4.54E+00	1.42E+01	U
TV	ONS4-V	494068002	10/23/2019	Co-58	7.59E-01	6.32E+00	2.14E+01	U
TV	ONS4-V	494068002	10/23/2019	Co-60	2.70E+00	6.72E+00	2.23E+01	U
TV	ONS4-V	494068002	10/23/2019	Cr-51	5.04E+01	5.91E+01	1.96E+02	U
TV	ONS4-V	494068002	10/23/2019	Cs-134	-1.01E+01	7.17E+00	2.15E+01	U
TV	ONS4-V	494068002	10/23/2019	Cs-137	4.41E+00	6.92E+00	2.23E+01	U
TV	ONS4-V	494068002	10/23/2019	Fe-59	8.14E+00	1.15E+01	3.87E+01	U
TV	ONS4-V	494068002	10/23/2019	I-131	-4.66E+00	1.15E+01	3.72E+01	U
TV	ONS4-V	494068002	10/23/2019	K-40	4.63E+03	3.34E+02	1.95E+02	
TV	ONS4-V	494068002	10/23/2019	La-140	-7.75E+00	1.05E+01	3.14E+01	U
TV	ONS4-V	494068002	10/23/2019	Mn-54	4.63E+00	6.34E+00	2.16E+01	U
TV	ONS4-V	494068002	10/23/2019	Nb-95	1.93E+00	7.06E+00	2.13E+01	U
TV	ONS4-V	494068002	10/23/2019	Ru-103	-4.28E+00	6.54E+00	2.05E+01	U
TV	ONS4-V	494068002	10/23/2019	Ru-106	3.37E+01	5.83E+01	1.88E+02	U
TV	ONS4-V	494068002	10/23/2019	Sb-124	1.60E+01	1.23E+01	4.34E+01	U
TV	ONS4-V	494068002	10/23/2019	Sb-125	1.84E+01	1.91E+01	5.63E+01	U
TV	ONS4-V	494068002	10/23/2019	Se-75	4.42E+00	8.13E+00	2.73E+01	U
TV	ONS4-V	494068002	10/23/2019	Th-228	2.65E+01	2.75E+01	4.12E+01	U
TV	ONS4-V	494068002	10/23/2019	Zn-65	1.12E+01	1.48E+01	4.94E+01	U
TV	ONS4-V	494068002	10/23/2019	Zr-95	-1.69E-01	1.13E+01	3.81E+01	U
TV	ONS4-V	494068003	10/23/2019	Ac-228	1.30E+02	4.11E+01	1.09E+02	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS4-V	494068003	10/23/2019	Ag-108m	-7.38E+00	5.36E+00	1.57E+01	U
TV	ONS4-V	494068003	10/23/2019	Ag-110m	-7.42E+00	8.77E+00	2.40E+01	U
TV	ONS4-V	494068003	10/23/2019	Ba-140	3.32E+01	3.21E+01	1.05E+02	U
TV	ONS4-V	494068003	10/23/2019	Be-7	6.75E+03	3.45E+02	1.65E+02	
TV	ONS4-V	494068003	10/23/2019	Ce-141	-9.81E+00	9.21E+00	2.99E+01	U
TV	ONS4-V	494068003	10/23/2019	Ce-144	6.59E+01	3.68E+01	1.19E+02	U
TV	ONS4-V	494068003	10/23/2019	Co-57	5.68E+00	5.04E+00	1.56E+01	U
TV	ONS4-V	494068003	10/23/2019	Co-58	-8.30E+00	6.52E+00	1.99E+01	U
TV	ONS4-V	494068003	10/23/2019	Co-60	2.98E+00	7.51E+00	2.23E+01	U
TV	ONS4-V	494068003	10/23/2019	Cr-51	1.53E+02	1.20E+02	1.69E+02	U
TV	ONS4-V	494068003	10/23/2019	Cs-134	4.84E+00	6.78E+00	2.34E+01	U
TV	ONS4-V	494068003	10/23/2019	Cs-137	9.02E+00	7.25E+00	2.34E+01	U
TV	ONS4-V	494068003	10/23/2019	Fe-59	-8.21E+00	1.59E+01	4.45E+01	U
TV	ONS4-V	494068003	10/23/2019	I-131	-7.69E+00	1.10E+01	3.51E+01	U
TV	ONS4-V	494068003	10/23/2019	K-40	5.36E+03	3.49E+02	2.11E+02	
TV	ONS4-V	494068003	10/23/2019	La-140	1.25E+01	1.13E+01	3.82E+01	U
TV	ONS4-V	494068003	10/23/2019	Mn-54	-4.95E+00	6.04E+00	1.94E+01	U
TV	ONS4-V	494068003	10/23/2019	Nb-95	-2.27E+00	6.60E+00	2.05E+01	U
TV	ONS4-V	494068003	10/23/2019	Ru-103	-8.46E+00	6.47E+00	1.89E+01	U
TV	ONS4-V	494068003	10/23/2019	Ru-106	-4.36E+01	5.80E+01	1.77E+02	U
TV	ONS4-V	494068003	10/23/2019	Sb-124	-1.15E+01	1.51E+01	4.46E+01	U
TV	ONS4-V	494068003	10/23/2019	Sb-125	-2.01E+01	1.71E+01	5.15E+01	U
TV	ONS4-V	494068003	10/23/2019	Se-75	4.90E+00	7.96E+00	2.68E+01	U
TV	ONS4-V	494068003	10/23/2019	Th-228	1.33E+01	2.34E+01	3.91E+01	U
TV	ONS4-V	494068003	10/23/2019	Zn-65	2.31E+00	1.36E+01	4.57E+01	U
TV	ONS4-V	494068003	10/23/2019	Zr-95	-1.02E+00	1.15E+01	3.62E+01	U
TV	ONS5-V	494068004	10/23/2019	Ac-228	7.59E+00	3.81E+01	9.68E+01	U
TV	ONS5-V	494068004	10/23/2019	Ag-108m	4.22E+01	1.88E+01	1.77E+01	UI
TV	ONS5-V	494068004	10/23/2019	Ag-110m	3.93E+00	7.67E+00	2.65E+01	U
TV	ONS5-V	494068004	10/23/2019	Ba-140	-1.92E+01	3.11E+01	9.71E+01	U
TV	ONS5-V	494068004	10/23/2019	Be-7	6.49E+03	3.26E+02	1.69E+02	
TV	ONS5-V	494068004	10/23/2019	Ce-141	-9.04E+00	1.02E+01	3.36E+01	U
TV	ONS5-V	494068004	10/23/2019	Ce-144	-5.87E+01	3.79E+01	1.17E+02	U
TV	ONS5-V	494068004	10/23/2019	Co-57	1.07E+00	4.94E+00	1.70E+01	U
TV	ONS5-V	494068004	10/23/2019	Co-58	4.90E+00	6.02E+00	1.96E+01	U
TV	ONS5-V	494068004	10/23/2019	Co-60	-2.64E-01	6.18E+00	1.97E+01	U
TV	ONS5-V	494068004	10/23/2019	Cr-51	2.58E+01	6.03E+01	2.01E+02	U
TV	ONS5-V	494068004	10/23/2019	Cs-134	9.99E+00	6.67E+00	2.15E+01	U
TV	ONS5-V	494068004	10/23/2019	Cs-137	6.05E+00	6.18E+00	2.02E+01	U
TV	ONS5-V	494068004	10/23/2019	Fe-59	6.28E+00	1.28E+01	4.38E+01	U
TV	ONS5-V	494068004	10/23/2019	I-131	-8.32E+00	1.10E+01	3.49E+01	U
TV	ONS5-V	494068004	10/23/2019	K-40	3.15E+03	2.74E+02	1.93E+02	
TV	ONS5-V	494068004	10/23/2019	La-140	5.94E-01	8.86E+00	2.92E+01	U
TV	ONS5-V	494068004	10/23/2019	Mn-54	6.25E-01	5.45E+00	1.74E+01	U
TV	ONS5-V	494068004	10/23/2019	Nb-95	1.19E+01	7.13E+00	2.26E+01	U
TV	ONS5-V	494068004	10/23/2019	Ru-103	-7.50E+00	6.11E+00	1.81E+01	U
TV	ONS5-V	494068004	10/23/2019	Ru-106	-2.72E+01	5.42E+01	1.69E+02	U
TV	ONS5-V	494068004	10/23/2019	Sb-124	-2.34E+01	1.61E+01	4.34E+01	U
TV	ONS5-V	494068004	10/23/2019	Sb-125	2.28E+01	1.66E+01	4.93E+01	U
TV	ONS5-V	494068004	10/23/2019	Se-75	-1.19E+01	8.76E+00	2.68E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	494068004	10/23/2019	Th-228	5.97E-01	1.62E+01	4.13E+01	U
TV	ONS5-V	494068004	10/23/2019	Zn-65	-1.56E+01	1.52E+01	4.01E+01	U
TV	ONS5-V	494068004	10/23/2019	Zr-95	-5.08E+00	1.07E+01	3.30E+01	U
TV	ONS5-V	494068005	10/23/2019	Ac-228	-4.12E+01	7.52E+01	1.79E+02	U
TV	ONS5-V	494068005	10/23/2019	Ag-108m	1.09E+01	8.94E+00	3.05E+01	U
TV	ONS5-V	494068005	10/23/2019	Ag-110m	-6.03E-01	1.51E+01	4.86E+01	U
TV	ONS5-V	494068005	10/23/2019	Ba-140	-1.49E+01	4.66E+01	1.53E+02	U
TV	ONS5-V	494068005	10/23/2019	Be-7	4.99E+03	3.31E+02	2.42E+02	
TV	ONS5-V	494068005	10/23/2019	Ce-141	-3.16E+01	1.60E+01	4.43E+01	U
TV	ONS5-V	494068005	10/23/2019	Ce-144	-7.54E+01	5.59E+01	1.70E+02	U
TV	ONS5-V	494068005	10/23/2019	Co-57	-2.33E+00	6.49E+00	2.14E+01	U
TV	ONS5-V	494068005	10/23/2019	Co-58	-1.46E+01	1.10E+01	3.08E+01	U
TV	ONS5-V	494068005	10/23/2019	Co-60	1.38E+01	1.22E+01	4.27E+01	U
TV	ONS5-V	494068005	10/23/2019	Cr-51	6.94E+01	9.67E+01	3.08E+02	U
TV	ONS5-V	494068005	10/23/2019	Cs-134	1.61E+01	1.20E+01	4.04E+01	U
TV	ONS5-V	494068005	10/23/2019	Cs-137	5.17E+00	1.11E+01	3.74E+01	U
TV	ONS5-V	494068005	10/23/2019	Fe-59	-9.37E+00	2.16E+01	7.11E+01	U
TV	ONS5-V	494068005	10/23/2019	I-131	-3.00E+01	2.03E+01	5.50E+01	U
TV	ONS5-V	494068005	10/23/2019	K-40	5.19E+03	4.61E+02	3.42E+02	
TV	ONS5-V	494068005	10/23/2019	La-140	-1.17E+01	2.02E+01	6.25E+01	U
TV	ONS5-V	494068005	10/23/2019	Mn-54	6.13E+00	9.33E+00	3.13E+01	U
TV	ONS5-V	494068005	10/23/2019	Nb-95	-3.65E+00	1.07E+01	3.42E+01	U
TV	ONS5-V	494068005	10/23/2019	Ru-103	-1.04E+01	9.97E+00	3.10E+01	U
TV	ONS5-V	494068005	10/23/2019	Ru-106	-1.41E+02	1.05E+02	3.10E+02	U
TV	ONS5-V	494068005	10/23/2019	Sb-124	2.55E+01	2.27E+01	8.14E+01	U
TV	ONS5-V	494068005	10/23/2019	Sb-125	1.65E+01	2.56E+01	8.86E+01	U
TV	ONS5-V	494068005	10/23/2019	Se-75	1.83E+01	1.40E+01	4.16E+01	U
TV	ONS5-V	494068005	10/23/2019	Th-228	-4.85E+01	2.80E+01	6.41E+01	U
TV	ONS5-V	494068005	10/23/2019	Zn-65	3.52E+00	2.60E+01	8.89E+01	U
TV	ONS5-V	494068005	10/23/2019	Zr-95	1.84E+01	1.97E+01	6.62E+01	U
TV	ONS5-V	494068006	10/23/2019	Ac-228	7.45E+01	6.21E+01	1.07E+02	U
TV	ONS5-V	494068006	10/23/2019	Ag-108m	-9.79E-01	5.30E+00	1.78E+01	U
TV	ONS5-V	494068006	10/23/2019	Ag-110m	3.26E+00	9.37E+00	3.08E+01	U
TV	ONS5-V	494068006	10/23/2019	Ba-140	-2.97E+00	2.85E+01	9.49E+01	U
TV	ONS5-V	494068006	10/23/2019	Be-7	2.32E+03	1.83E+02	1.63E+02	
TV	ONS5-V	494068006	10/23/2019	Ce-141	-4.41E+00	1.30E+01	3.21E+01	U
TV	ONS5-V	494068006	10/23/2019	Ce-144	5.58E+01	4.02E+01	1.26E+02	U
TV	ONS5-V	494068006	10/23/2019	Co-57	-8.20E+00	5.16E+00	1.48E+01	U
TV	ONS5-V	494068006	10/23/2019	Co-58	-7.95E+00	6.53E+00	1.92E+01	U
TV	ONS5-V	494068006	10/23/2019	Co-60	1.85E+00	6.12E+00	2.11E+01	U
TV	ONS5-V	494068006	10/23/2019	Cr-51	-1.74E+00	5.42E+01	1.86E+02	U
TV	ONS5-V	494068006	10/23/2019	Cs-134	-3.27E+00	6.89E+00	2.19E+01	U
TV	ONS5-V	494068006	10/23/2019	Cs-137	-4.41E-01	6.16E+00	2.03E+01	U
TV	ONS5-V	494068006	10/23/2019	Fe-59	5.92E+00	1.32E+01	4.31E+01	U
TV	ONS5-V	494068006	10/23/2019	I-131	2.69E+01	1.21E+01	3.37E+01	U
TV	ONS5-V	494068006	10/23/2019	K-40	6.13E+03	4.23E+02	1.73E+02	
TV	ONS5-V	494068006	10/23/2019	La-140	-2.75E+00	1.01E+01	3.33E+01	U
TV	ONS5-V	494068006	10/23/2019	Mn-54	-2.42E+00	7.05E+00	2.00E+01	U
TV	ONS5-V	494068006	10/23/2019	Nb-95	1.91E+00	6.15E+00	2.04E+01	U
TV	ONS5-V	494068006	10/23/2019	Ru-103	-1.02E+01	6.51E+00	1.92E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAG
TV	ONS5-V	494068006	10/23/2019	Ru-106	-1.54E+01	5.13E+01	1.68E+02	U
TV	ONS5-V	494068006	10/23/2019	Sb-124	-6.38E+00	1.71E+01	4.83E+01	U
TV	ONS5-V	494068006	10/23/2019	Sb-125	1.07E+01	1.61E+01	5.50E+01	U
TV	ONS5-V	494068006	10/23/2019	Se-75	-2.81E+00	8.60E+00	2.65E+01	U
TV	ONS5-V	494068006	10/23/2019	Th-228	-2.57E+01	2.01E+01	4.16E+01	U
TV	ONS5-V	494068006	10/23/2019	Zn-65	-2.47E+01	1.71E+01	4.76E+01	U
TV	ONS5-V	494068006	10/23/2019	Zr-95	-9.01E+00	1.09E+01	3.35E+01	U
TV	OFS1-V	494068007	10/23/2019	Ac-228	6.80E+01	5.21E+01	7.59E+01	U
TV	OFS1-V	494068007	10/23/2019	Ag-108m	5.24E+00	4.17E+00	1.41E+01	U
TV	OFS1-V	494068007	10/23/2019	Ag-110m	-1.32E+00	5.99E+00	1.90E+01	U
TV	OFS1-V	494068007	10/23/2019	Ba-140	6.11E+01	2.73E+01	8.56E+01	U
TV	OFS1-V	494068007	10/23/2019	Be-7	9.05E+03	4.23E+02	1.34E+02	
TV	OFS1-V	494068007	10/23/2019	Ce-141	-2.25E+00	1.06E+01	2.38E+01	U
TV	OFS1-V	494068007	10/23/2019	Ce-144	2.83E+01	2.71E+01	8.78E+01	U
TV	OFS1-V	494068007	10/23/2019	Co-57	1.52E+01	6.41E+00	1.13E+01	UI
TV	OFS1-V	494068007	10/23/2019	Co-58	9.98E+00	5.30E+00	1.60E+01	U
TV	OFS1-V	494068007	10/23/2019	Co-60	-3.23E-01	4.50E+00	1.50E+01	U
TV	OFS1-V	494068007	10/23/2019	Cr-51	-5.46E+01	5.08E+01	1.46E+02	U
TV	OFS1-V	494068007	10/23/2019	Cs-134	3.89E+00	5.46E+00	1.81E+01	U
TV	OFS1-V	494068007	10/23/2019	Cs-137	-2.39E-01	5.15E+00	1.69E+01	U
TV	OFS1-V	494068007	10/23/2019	Fe-59	7.86E+00	1.04E+01	3.10E+01	U
TV	OFS1-V	494068007	10/23/2019	I-131	-8.88E+00	8.76E+00	2.81E+01	U
TV	OFS1-V	494068007	10/23/2019	K-40	1.70E+03	1.82E+02	1.41E+02	
TV	OFS1-V	494068007	10/23/2019	La-140	6.14E+00	7.75E+00	2.69E+01	U
TV	OFS1-V	494068007	10/23/2019	Mn-54	-6.69E+00	5.15E+00	1.47E+01	U
TV	OFS1-V	494068007	10/23/2019	Nb-95	-3.80E+00	5.51E+00	1.71E+01	U
TV	OFS1-V	494068007	10/23/2019	Ru-103	-4.14E+00	4.63E+00	1.46E+01	U
TV	OFS1-V	494068007	10/23/2019	Ru-106	1.47E+00	4.31E+01	1.43E+02	U
TV	OFS1-V	494068007	10/23/2019	Sb-124	6.48E+00	1.18E+01	3.80E+01	U
TV	OFS1-V	494068007	10/23/2019	Sb-125	5.26E+00	1.19E+01	4.07E+01	U
TV	OFS1-V	494068007	10/23/2019	Se-75	4.73E-01	6.84E+00	2.15E+01	U
TV	OFS1-V	494068007	10/23/2019	Th-228	-7.44E+00	1.35E+01	3.26E+01	U
TV	OFS1-V	494068007	10/23/2019	Zn-65	1.83E+01	1.14E+01	3.21E+01	U
TV	OFS1-V	494068007	10/23/2019	Zr-95	1.23E+00	9.55E+00	3.13E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	468038023	1/2/2019	Ac-228	5.23E+00	4.51E+00	1.50E+01	U
WD	STJ	468038023	1/2/2019	Ag-108m	1.76E+00	8.84E-01	2.85E+00	U
WD	STJ	468038023	1/2/2019	Ag-110m	-9.75E-01	1.58E+00	4.66E+00	U
WD	STJ	468038023	1/2/2019	Ba-140	3.55E+00	4.15E+00	1.45E+01	U
WD	STJ	468038023	1/2/2019	Be-7	-4.35E+00	8.19E+00	2.59E+01	U
WD	STJ	468038023	1/2/2019	BETA	1.79E+00	1.13E+00	3.33E+00	U
WD	STJ	468038023	1/2/2019	Ce-141	-1.96E+00	1.86E+00	5.50E+00	U
WD	STJ	468038023	1/2/2019	Ce-144	2.29E-01	6.86E+00	2.23E+01	U
WD	STJ	468038023	1/2/2019	Co-57	-4.83E-02	9.03E-01	2.93E+00	U
WD	STJ	468038023	1/2/2019	Co-58	-4.45E-01	1.03E+00	3.14E+00	U
WD	STJ	468038023	1/2/2019	Co-60	7.59E-01	1.10E+00	3.90E+00	U
WD	STJ	468038023	1/2/2019	Cr-51	-9.60E+00	9.31E+00	2.90E+01	U
WD	STJ	468038023	1/2/2019	Cs-134	-5.51E-01	1.02E+00	3.03E+00	U
WD	STJ	468038023	1/2/2019	Cs-137	-8.69E-01	1.18E+00	3.54E+00	U
WD	STJ	468038023	1/2/2019	Fe-59	-1.98E-01	1.55E+00	5.12E+00	U
WD	STJ	468038023	1/2/2019	I-131	9.51E+00	4.90E+00	4.96E+00	UI
WD	STJ	468038023	1/2/2019	K-40	-3.03E+01	1.43E+01	3.80E+01	U
WD	STJ	468038023	1/2/2019	La-140	-1.56E+00	1.77E+00	4.93E+00	U
WD	STJ	468038023	1/2/2019	Mn-54	-3.62E-02	1.08E+00	3.45E+00	U
WD	STJ	468038023	1/2/2019	Nb-95	-1.03E+00	1.16E+00	3.21E+00	U
WD	STJ	468038023	1/2/2019	Ru-103	-1.44E+00	1.11E+00	3.16E+00	U
WD	STJ	468038023	1/2/2019	Ru-106	1.45E+00	8.62E+00	2.86E+01	U
WD	STJ	468038023	1/2/2019	Sb-124	1.40E+00	3.52E+00	1.06E+01	U
WD	STJ	468038023	1/2/2019	Sb-125	-2.99E-01	2.90E+00	9.66E+00	U
WD	STJ	468038023	1/2/2019	Se-75	-1.29E+00	1.44E+00	4.09E+00	U
WD	STJ	468038023	1/2/2019	Th-228	-3.19E+00	2.34E+00	6.00E+00	U
WD	STJ	468038023	1/2/2019	Zn-65	1.77E-01	2.36E+00	7.99E+00	U
WD	STJ	468038023	1/2/2019	Zr-95	-1.07E+00	1.75E+00	5.21E+00	U
WD	STJ	468038024	1/2/2019	I-131	-6.22E-01	2.11E-01	8.12E-01	U
WD	LTW	468038025	1/2/2019	Ac-228	-3.89E+00	5.28E+00	1.54E+01	U
WD	LTW	468038025	1/2/2019	Ag-108m	2.15E+00	1.12E+00	3.81E+00	U
WD	LTW	468038025	1/2/2019	Ag-110m	-2.30E+00	1.46E+00	2.31E+00	U
WD	LTW	468038025	1/2/2019	Ba-140	-7.15E-01	5.83E+00	1.91E+01	U
WD	LTW	468038025	1/2/2019	Be-7	5.17E+00	8.48E+00	2.93E+01	U
WD	LTW	468038025	1/2/2019	BETA	5.03E-01	1.07E+00	3.37E+00	U
WD	LTW	468038025	1/2/2019	Ce-141	-2.26E+00	2.26E+00	6.06E+00	U
WD	LTW	468038025	1/2/2019	Ce-144	1.00E+01	8.08E+00	2.65E+01	U
WD	LTW	468038025	1/2/2019	Co-57	1.55E+00	1.08E+00	3.53E+00	U
WD	LTW	468038025	1/2/2019	Co-58	6.72E-01	1.17E+00	3.94E+00	U
WD	LTW	468038025	1/2/2019	Co-60	-1.16E+00	1.14E+00	3.12E+00	U
WD	LTW	468038025	1/2/2019	Cr-51	1.47E+00	1.01E+01	3.48E+01	U
WD	LTW	468038025	1/2/2019	Cs-134	-2.52E+00	1.24E+00	2.37E+00	U
WD	LTW	468038025	1/2/2019	Cs-137	-2.42E-01	1.20E+00	3.38E+00	U
WD	LTW	468038025	1/2/2019	Fe-59	-9.17E-01	2.00E+00	6.35E+00	U
WD	LTW	468038025	1/2/2019	I-131	-7.20E-01	1.65E+00	5.37E+00	U
WD	LTW	468038025	1/2/2019	K-40	2.83E+00	1.65E+01	5.93E+01	U
WD	LTW	468038025	1/2/2019	La-140	1.46E+00	1.98E+00	7.41E+00	U
WD	LTW	468038025	1/2/2019	Mn-54	7.14E-02	9.77E-01	3.16E+00	U
WD	LTW	468038025	1/2/2019	Nb-95	-2.81E-01	1.10E+00	3.46E+00	U
WD	LTW	468038025	1/2/2019	Ru-103	9.96E-01	1.16E+00	4.00E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	468038025	1/2/2019	Ru-106	7.31E+00	9.33E+00	3.22E+01	U
WD	LTW	468038025	1/2/2019	Sb-124	-5.55E+00	3.27E+00	6.86E+00	U
WD	LTW	468038025	1/2/2019	Sb-125	8.05E-01	2.78E+00	9.49E+00	U
WD	LTW	468038025	1/2/2019	Se-75	1.11E+00	1.38E+00	4.85E+00	U
WD	LTW	468038025	1/2/2019	Th-228	8.53E-01	4.84E+00	9.04E+00	U
WD	LTW	468038025	1/2/2019	Zn-65	-1.88E+00	1.90E+00	5.32E+00	U
WD	LTW	468038025	1/2/2019	Zr-95	1.29E+00	2.18E+00	7.36E+00	U
WD	LTW	468038026	1/2/2019	I-131	1.52E-01	1.18E-01	3.72E-01	U
WD	STJ	469304023	1/16/2019	Ac-228	5.79E+00	8.31E+00	2.32E+01	U
WD	STJ	469304023	1/16/2019	Ag-108m	-3.10E-01	8.71E-01	2.82E+00	U
WD	STJ	469304023	1/16/2019	Ag-110m	-7.85E-01	1.42E+00	4.17E+00	U
WD	STJ	469304023	1/16/2019	Ba-140	-1.86E+00	6.13E+00	1.97E+01	U
WD	STJ	469304023	1/16/2019	Be-7	-1.13E+00	7.19E+00	2.35E+01	U
WD	STJ	469304023	1/16/2019	BETA	3.05E+00	1.22E+00	3.48E+00	U
WD	STJ	469304023	1/16/2019	Ce-141	-7.53E+00	3.03E+00	6.24E+00	U
WD	STJ	469304023	1/16/2019	Co-144	2.44E+01	8.99E+00	2.00E+01	UI
WD	STJ	469304023	1/16/2019	Co-57	1.30E-01	9.02E-01	2.93E+00	U
WD	STJ	469304023	1/16/2019	Co-58	-3.08E-01	1.25E+00	3.92E+00	U
WD	STJ	469304023	1/16/2019	Co-60	-2.56E+00	1.44E+00	3.19E+00	U
WD	STJ	469304023	1/16/2019	Cr-51	-2.53E+00	1.01E+01	3.37E+01	U
WD	STJ	469304023	1/16/2019	Cs-134	1.46E+00	1.24E+00	4.07E+00	U
WD	STJ	469304023	1/16/2019	Cs-137	-2.33E+00	1.40E+00	3.75E+00	U
WD	STJ	469304023	1/16/2019	Fe-59	5.13E+00	2.48E+00	8.90E+00	U
WD	STJ	469304023	1/16/2019	I-131	-5.43E-01	2.18E+00	7.23E+00	U
WD	STJ	469304023	1/16/2019	K-40	-3.56E+01	1.97E+01	5.42E+01	U
WD	STJ	469304023	1/16/2019	La-140	1.86E+00	1.92E+00	7.11E+00	U
WD	STJ	469304023	1/16/2019	Mn-54	7.73E+00	1.94E+00	3.78E+00	UI
WD	STJ	469304023	1/16/2019	Nb-95	1.67E+00	1.10E+00	3.90E+00	U
WD	STJ	469304023	1/16/2019	Ru-103	-9.81E-01	1.23E+00	3.26E+00	U
WD	STJ	469304023	1/16/2019	Ru-106	-1.31E+01	1.05E+01	2.87E+01	U
WD	STJ	469304023	1/16/2019	Sb-124	6.79E-01	1.50E+00	5.53E+00	U
WD	STJ	469304023	1/16/2019	Sb-125	9.68E-01	2.85E+00	9.77E+00	U
WD	STJ	469304023	1/16/2019	Se-75	1.90E-02	1.30E+00	4.46E+00	U
WD	STJ	469304023	1/16/2019	Th-228	8.98E-01	2.77E+00	8.15E+00	U
WD	STJ	469304023	1/16/2019	Zn-65	-1.13E+00	1.95E+00	6.01E+00	U
WD	STJ	469304023	1/16/2019	Zr-95	6.51E-01	1.81E+00	6.07E+00	U
WD	STJ	469304024	1/16/2019	I-131	1.94E-01	2.37E-01	7.65E-01	U
WD	LTW	469304025	1/16/2019	Ac-228	5.27E+00	6.07E+00	1.90E+01	U
WD	LTW	469304025	1/16/2019	Ag-108m	-4.76E-01	1.10E+00	3.44E+00	U
WD	LTW	469304025	1/16/2019	Ag-110m	5.40E-01	1.75E+00	5.98E+00	U
WD	LTW	469304025	1/16/2019	Ba-140	-2.77E+00	5.54E+00	1.66E+01	U
WD	LTW	469304025	1/16/2019	Be-7	1.42E+01	9.66E+00	3.37E+01	U
WD	LTW	469304025	1/16/2019	BETA	1.90E+00	1.18E+00	3.64E+00	U
WD	LTW	469304025	1/16/2019	Ce-141	2.95E+00	2.49E+00	7.95E+00	U
WD	LTW	469304025	1/16/2019	Ce-144	6.42E+00	8.04E+00	2.60E+01	U
WD	LTW	469304025	1/16/2019	Co-57	-5.45E-01	1.15E+00	3.51E+00	U
WD	LTW	469304025	1/16/2019	Co-58	2.90E-01	1.28E+00	4.37E+00	U
WD	LTW	469304025	1/16/2019	Co-60	-1.18E+00	1.30E+00	3.45E+00	U
WD	LTW	469304025	1/16/2019	Cr-51	-1.23E+00	1.27E+01	4.19E+01	U
WD	LTW	469304025	1/16/2019	Cs-134	4.28E-01	1.16E+00	4.01E+00	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	469304025	1/16/2019	Cs-137	-8.97E-02	1.09E+00	3.65E+00	U
WD	LTW	469304025	1/16/2019	Fe-59	2.46E+00	3.12E+00	1.08E+01	U
WD	LTW	469304025	1/16/2019	I-131	1.93E+00	2.94E+00	9.04E+00	U
WD	LTW	469304025	1/16/2019	K-40	1.04E+01	1.75E+01	6.35E+01	U
WD	LTW	469304025	1/16/2019	La-140	2.81E+00	2.20E+00	8.32E+00	U
WD	LTW	469304025	1/16/2019	Mn-54	-7.65E-01	1.13E+00	3.46E+00	U
WD	LTW	469304025	1/16/2019	Nb-95	1.60E-01	1.41E+00	4.77E+00	U
WD	LTW	469304025	1/16/2019	Ru-103	1.44E+00	1.27E+00	4.35E+00	U
WD	LTW	469304025	1/16/2019	Ru-106	1.15E+01	9.83E+00	3.40E+01	U
WD	LTW	469304025	1/16/2019	Sb-124	-4.27E+00	3.55E+00	9.20E+00	U
WD	LTW	469304025	1/16/2019	Sb-125	-1.03E+00	3.58E+00	1.14E+01	U
WD	LTW	469304025	1/16/2019	Se-75	8.36E-01	1.71E+00	5.83E+00	U
WD	LTW	469304025	1/16/2019	Th-228	3.45E-01	4.33E+00	9.81E+00	U
WD	LTW	469304025	1/16/2019	Zn-65	1.15E+00	1.79E+00	6.42E+00	U
WD	LTW	469304025	1/16/2019	Zr-95	2.20E+00	2.35E+00	8.34E+00	U
WD	LTW	469304026	1/16/2019	I-131	-1.20E-01	2.56E-01	8.51E-01	U
WD	STJ	470343023	1/29/2019	Ac-228	3.55E-01	3.70E+00	9.77E+00	U
WD	STJ	470343023	1/29/2019	Ag-108m	9.13E-02	5.03E-01	1.67E+00	U
WD	STJ	470343023	1/29/2019	Ag-110m	6.19E-02	7.31E-01	2.46E+00	U
WD	STJ	470343023	1/29/2019	Ba-140	1.85E+00	3.33E+00	1.09E+01	U
WD	STJ	470343023	1/29/2019	Be-7	-4.96E+00	5.52E+00	1.70E+01	U
WD	STJ	470343023	1/29/2019	BETA	6.05E-01	7.94E-01	2.41E+00	U
WD	STJ	470343023	1/29/2019	Ce-141	-1.50E+00	1.18E+00	3.47E+00	U
WD	STJ	470343023	1/29/2019	Ce-144	-3.11E+00	3.98E+00	1.22E+01	U
WD	STJ	470343023	1/29/2019	Co-57	2.21E-01	5.01E-01	1.61E+00	U
WD	STJ	470343023	1/29/2019	Co-58	-1.23E+00	6.92E-01	1.79E+00	U
WD	STJ	470343023	1/29/2019	Co-60	6.52E-01	6.46E-01	2.17E+00	U
WD	STJ	470343023	1/29/2019	Cr-51	2.84E+00	5.29E+00	1.79E+01	U
WD	STJ	470343023	1/29/2019	Cs-134	-7.25E-01	6.30E-01	1.93E+00	U
WD	STJ	470343023	1/29/2019	Cs-137	4.01E-01	6.30E-01	2.05E+00	U
WD	STJ	470343023	1/29/2019	Fe-59	-1.53E+00	1.33E+00	3.95E+00	U
WD	STJ	470343023	1/29/2019	I-131	9.63E-01	1.16E+00	3.90E+00	U
WD	STJ	470343023	1/29/2019	K-40	-8.54E+00	1.08E+01	3.06E+01	U
WD	STJ	470343023	1/29/2019	La-140	-9.19E-01	9.96E-01	3.06E+00	U
WD	STJ	470343023	1/29/2019	Mn-54	-5.69E-01	5.86E-01	1.83E+00	U
WD	STJ	470343023	1/29/2019	Nb-95	7.12E-02	5.75E-01	1.96E+00	U
WD	STJ	470343023	1/29/2019	Ru-103	-6.18E-01	6.26E-01	1.90E+00	U
WD	STJ	470343023	1/29/2019	Ru-106	-4.36E+00	5.47E+00	1.66E+01	U
WD	STJ	470343023	1/29/2019	Sb-124	-1.28E+00	1.35E+00	4.07E+00	U
WD	STJ	470343023	1/29/2019	Sb-125	-1.78E+00	1.58E+00	4.80E+00	U
WD	STJ	470343023	1/29/2019	Se-75	1.26E-01	7.92E-01	2.70E+00	U
WD	STJ	470343023	1/29/2019	Th-228	1.26E+00	1.97E+00	4.20E+00	U
WD	STJ	470343023	1/29/2019	Zn-65	-5.82E-01	1.43E+00	3.96E+00	U
WD	STJ	470343023	1/29/2019	Zr-95	1.05E-01	1.03E+00	3.52E+00	U
WD	STJ	470343024	1/29/2019	I-131	2.68E-01	2.03E-01	6.51E-01	U
WD	LTW	470343025	1/29/2019	Ac-228	-1.92E+00	5.95E+00	1.95E+01	U
WD	LTW	470343025	1/29/2019	Ag-108m	-6.62E-01	1.37E+00	3.95E+00	U
WD	LTW	470343025	1/29/2019	Ag-110m	1.46E+00	1.58E+00	5.17E+00	U
WD	LTW	470343025	1/29/2019	Ba-140	4.61E+00	8.10E+00	2.50E+01	U
WD	LTW	470343025	1/29/2019	Be-7	-1.45E+01	1.20E+01	3.43E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	470343025	1/29/2019	BETA	2.06E+00	1.14E+00	3.46E+00	U
WD	LTW	470343025	1/29/2019	Ce-141	2.18E+00	4.24E+00	7.13E+00	U
WD	LTW	470343025	1/29/2019	Ce-144	-8.92E+00	9.09E+00	2.92E+01	U
WD	LTW	470343025	1/29/2019	Co-57	2.27E-01	1.22E+00	4.20E+00	U
WD	LTW	470343025	1/29/2019	Co-58	2.94E+00	1.45E+00	3.92E+00	U
WD	LTW	470343025	1/29/2019	Co-60	1.25E+00	1.14E+00	4.30E+00	U
WD	LTW	470343025	1/29/2019	Cr-51	1.05E+01	1.26E+01	4.32E+01	U
WD	LTW	470343025	1/29/2019	Cs-134	1.23E+00	1.46E+00	4.67E+00	U
WD	LTW	470343025	1/29/2019	Cs-137	7.62E-01	1.06E+00	3.68E+00	U
WD	LTW	470343025	1/29/2019	Fe-59	-6.56E+00	2.91E+00	5.21E+00	U
WD	LTW	470343025	1/29/2019	I-131	8.82E-01	2.48E+00	8.44E+00	U
WD	LTW	470343025	1/29/2019	K-40	-2.88E+01	1.86E+01	5.92E+01	U
WD	LTW	470343025	1/29/2019	La-140	-5.13E+00	3.02E+00	5.98E+00	U
WD	LTW	470343025	1/29/2019	Mn-54	-6.30E-01	1.56E+00	4.20E+00	U
WD	LTW	470343025	1/29/2019	Nb-95	-3.18E+00	1.84E+00	3.98E+00	U
WD	LTW	470343025	1/29/2019	Ru-103	-1.30E+00	1.50E+00	3.89E+00	U
WD	LTW	470343025	1/29/2019	Ru-106	-1.18E+01	1.19E+01	3.39E+01	U
WD	LTW	470343025	1/29/2019	Sb-124	-9.63E-01	2.23E+00	6.64E+00	U
WD	LTW	470343025	1/29/2019	Sb-125	2.44E+00	3.26E+00	1.12E+01	U
WD	LTW	470343025	1/29/2019	Se-75	3.41E-01	1.74E+00	5.91E+00	U
WD	LTW	470343025	1/29/2019	Th-228	-2.83E+00	3.02E+00	9.74E+00	U
WD	LTW	470343025	1/29/2019	Zn-65	3.84E+00	2.54E+00	6.24E+00	U
WD	LTW	470343025	1/29/2019	Zr-95	-2.74E+00	2.65E+00	7.37E+00	U
WD	LTW	470343026	1/29/2019	I-131	4.89E-02	1.99E-01	6.53E-01	U
WD	STJ	471452023	2/13/2019	Ac-228	-5.97E+00	3.73E+00	7.40E+00	U
WD	STJ	471452023	2/13/2019	Ag-108m	-6.19E-02	3.89E-01	1.30E+00	U
WD	STJ	471452023	2/13/2019	Ag-110m	-9.90E-01	6.98E-01	1.96E+00	U
WD	STJ	471452023	2/13/2019	Ba-140	-9.19E-01	2.24E+00	7.29E+00	U
WD	STJ	471452023	2/13/2019	Be-7	3.16E+00	4.03E+00	1.36E+01	U
WD	STJ	471452023	2/13/2019	BETA	2.89E+00	1.14E+00	3.29E+00	U
WD	STJ	471452023	2/13/2019	Ce-141	-7.29E+00	2.19E+00	2.78E+00	U
WD	STJ	471452023	2/13/2019	Ce-144	6.51E-01	3.25E+00	1.06E+01	U
WD	STJ	471452023	2/13/2019	Co-57	-7.22E-02	4.16E-01	1.35E+00	U
WD	STJ	471452023	2/13/2019	Co-58	-4.15E-01	4.34E-01	1.30E+00	U
WD	STJ	471452023	2/13/2019	Co-60	-5.65E-02	4.27E-01	1.42E+00	U
WD	STJ	471452023	2/13/2019	Cr-51	3.10E+00	4.28E+00	1.47E+01	U
WD	STJ	471452023	2/13/2019	Cs-134	4.20E-01	5.17E-01	1.70E+00	U
WD	STJ	471452023	2/13/2019	Cs-137	1.82E-01	4.97E-01	1.48E+00	U
WD	STJ	471452023	2/13/2019	Fe-59	-1.44E-01	9.19E-01	3.09E+00	U
WD	STJ	471452023	2/13/2019	I-131	-4.48E-01	8.34E-01	2.77E+00	U
WD	STJ	471452023	2/13/2019	K-40	-1.35E+01	9.87E+00	2.18E+01	U
WD	STJ	471452023	2/13/2019	La-140	-5.12E-01	7.74E-01	2.41E+00	U
WD	STJ	471452023	2/13/2019	Mn-54	1.48E-01	4.62E-01	1.51E+00	U
WD	STJ	471452023	2/13/2019	Nb-95	9.57E-01	5.22E-01	1.66E+00	U
WD	STJ	471452023	2/13/2019	Ru-103	-4.75E-01	4.84E-01	1.52E+00	U
WD	STJ	471452023	2/13/2019	Ru-106	-4.19E+00	4.89E+00	1.35E+01	U
WD	STJ	471452023	2/13/2019	Sb-124	1.10E-01	1.02E+00	3.38E+00	U
WD	STJ	471452023	2/13/2019	Sb-125	-1.37E+00	1.24E+00	3.89E+00	U
WD	STJ	471452023	2/13/2019	Se-75	-5.96E-01	6.55E-01	1.94E+00	U
WD	STJ	471452023	2/13/2019	Th-228	-5.85E-01	1.46E+00	3.70E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	471452023	2/13/2019	Zn-65	1.02E-01	8.92E-01	3.04E+00	U
WD	STJ	471452023	2/13/2019	Zr-95	-6.05E-01	8.63E-01	2.68E+00	U
WD	STJ	471452024	2/13/2019	I-131	1.23E-01	1.98E-01	6.27E-01	U
WD	LTW	471452025	2/13/2019	Ac-228	-5.65E+00	3.90E+00	8.43E+00	U
WD	LTW	471452025	2/13/2019	Ag-108m	-3.87E-01	4.53E-01	1.41E+00	U
WD	LTW	471452025	2/13/2019	Ag-110m	4.43E-01	8.59E-01	2.91E+00	U
WD	LTW	471452025	2/13/2019	Ba-140	-4.86E+00	3.15E+00	8.83E+00	U
WD	LTW	471452025	2/13/2019	Be-7	1.81E+00	4.98E+00	1.64E+01	U
WD	LTW	471452025	2/13/2019	BETA	2.47E+00	1.06E+00	3.09E+00	U
WD	LTW	471452025	2/13/2019	Ce-141	2.00E+00	9.80E-01	2.68E+00	U
WD	LTW	471452025	2/13/2019	Ce-144	7.33E-01	2.91E+00	9.28E+00	U
WD	LTW	471452025	2/13/2019	Co-57	-4.20E-01	3.84E-01	1.15E+00	U
WD	LTW	471452025	2/13/2019	Co-58	-4.80E-01	5.32E-01	1.67E+00	U
WD	LTW	471452025	2/13/2019	Co-60	1.77E+00	7.26E-01	2.28E+00	U
WD	LTW	471452025	2/13/2019	Cr-51	5.07E+00	4.70E+00	1.57E+01	U
WD	LTW	471452025	2/13/2019	Cs-134	-2.38E-01	6.47E-01	2.14E+00	U
WD	LTW	471452025	2/13/2019	Cs-137	-2.85E-02	6.49E-01	2.06E+00	U
WD	LTW	471452025	2/13/2019	Fe-59	-1.94E+00	1.87E+00	4.30E+00	U
WD	LTW	471452025	2/13/2019	I-131	1.75E+00	1.02E+00	3.28E+00	U
WD	LTW	471452025	2/13/2019	K-40	-7.59E+00	1.10E+01	2.69E+01	U
WD	LTW	471452025	2/13/2019	La-140	-8.28E-01	9.51E-01	2.94E+00	U
WD	LTW	471452025	2/13/2019	Mn-54	1.43E-01	6.39E-01	1.91E+00	U
WD	LTW	471452025	2/13/2019	Nb-95	2.75E-01	6.55E-01	2.24E+00	U
WD	LTW	471452025	2/13/2019	Ru-103	-2.73E-01	8.07E-01	1.79E+00	U
WD	LTW	471452025	2/13/2019	Ru-106	2.87E+00	6.01E+00	1.74E+01	U
WD	LTW	471452025	2/13/2019	Sb-124	3.04E+00	1.64E+00	5.40E+00	U
WD	LTW	471452025	2/13/2019	Sb-125	-1.74E-01	1.41E+00	4.59E+00	U
WD	LTW	471452025	2/13/2019	Se-75	-3.68E-01	6.24E-01	2.06E+00	U
WD	LTW	471452025	2/13/2019	Th-228	3.36E+00	2.07E+00	3.67E+00	U
WD	LTW	471452025	2/13/2019	Zn-65	1.04E+00	1.26E+00	4.23E+00	U
WD	LTW	471452025	2/13/2019	Zr-95	5.19E-01	1.14E+00	3.89E+00	U
WD	LTW	471452026	2/13/2019	I-131	-3.67E-01	1.91E-01	6.74E-01	U
WD	STJ	472534023	2/27/2019	Ac-228	2.38E+00	5.17E+00	6.01E+00	U
WD	STJ	472534023	2/27/2019	Ag-108m	2.62E-01	4.87E-01	1.60E+00	U
WD	STJ	472534023	2/27/2019	Ag-110m	-1.50E-01	7.17E-01	2.35E+00	U
WD	STJ	472534023	2/27/2019	Ba-140	-9.15E-02	3.04E+00	9.72E+00	U
WD	STJ	472534023	2/27/2019	Be-7	5.53E-01	4.46E+00	1.45E+01	U
WD	STJ	472534023	2/27/2019	BETA	2.47E+00	1.21E+00	3.43E+00	U
WD	STJ	472534023	2/27/2019	Ce-141	-3.29E+00	1.33E+00	3.16E+00	U
WD	STJ	472534023	2/27/2019	Ce-144	-1.79E+00	3.87E+00	1.19E+01	U
WD	STJ	472534023	2/27/2019	Co-57	-6.46E-01	6.18E-01	1.56E+00	U
WD	STJ	472534023	2/27/2019	Co-58	-4.16E-01	5.01E-01	1.58E+00	U
WD	STJ	472534023	2/27/2019	Co-60	-2.74E-01	5.87E-01	1.81E+00	U
WD	STJ	472534023	2/27/2019	Cr-51	4.91E+00	4.86E+00	1.61E+01	U
WD	STJ	472534023	2/27/2019	Cs-134	3.35E-01	6.00E-01	2.03E+00	U
WD	STJ	472534023	2/27/2019	Cs-137	3.73E-01	5.68E-01	1.94E+00	U
WD	STJ	472534023	2/27/2019	Fe-59	-2.12E+00	1.29E+00	3.53E+00	U
WD	STJ	472534023	2/27/2019	I-131	4.19E-01	9.54E-01	3.16E+00	U
WD	STJ	472534023	2/27/2019	K-40	-2.23E+01	1.31E+01	2.58E+01	U
WD	STJ	472534023	2/27/2019	La-140	-9.49E-01	8.91E-01	2.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	472534023	2/27/2019	Mn-54	-3.82E-02	5.21E-01	1.73E+00	U
WD	STJ	472534023	2/27/2019	Nb-95	1.05E+00	5.98E-01	1.96E+00	U
WD	STJ	472534023	2/27/2019	Ru-103	3.35E-01	6.16E-01	1.80E+00	U
WD	STJ	472534023	2/27/2019	Ru-106	2.71E+00	4.83E+00	1.66E+01	U
WD	STJ	472534023	2/27/2019	Sb-124	5.35E-01	1.27E+00	4.21E+00	U
WD	STJ	472534023	2/27/2019	Sb-125	-1.45E+00	1.52E+00	4.66E+00	U
WD	STJ	472534023	2/27/2019	Se-75	-1.47E-01	7.07E-01	2.36E+00	U
WD	STJ	472534023	2/27/2019	Th-228	4.09E+00	2.11E+00	3.05E+00	UI
WD	STJ	472534023	2/27/2019	Zn-65	2.05E-01	1.16E+00	3.79E+00	U
WD	STJ	472534023	2/27/2019	Zr-95	-7.31E-01	9.14E-01	2.90E+00	U
WD	STJ	472534024	2/27/2019	I-131	1.98E-01	2.58E-01	8.18E-01	U
WD	LTW	472534025	2/27/2019	Ac-228	-3.50E+00	3.76E+00	8.51E+00	U
WD	LTW	472534025	2/27/2019	Ag-108m	-2.48E-01	4.55E-01	1.49E+00	U
WD	LTW	472534025	2/27/2019	Ag-110m	-1.27E+00	7.53E-01	2.15E+00	U
WD	LTW	472534025	2/27/2019	Ba-140	-3.96E+00	2.93E+00	8.68E+00	U
WD	LTW	472534025	2/27/2019	Be-7	4.00E+00	4.34E+00	1.46E+01	U
WD	LTW	472534025	2/27/2019	BETA	1.40E+00	9.15E-01	2.62E+00	U
WD	LTW	472534025	2/27/2019	Ce-141	3.17E-01	1.74E+00	2.81E+00	U
WD	LTW	472534025	2/27/2019	Ce-144	6.86E+00	4.27E+00	9.09E+00	U
WD	LTW	472534025	2/27/2019	Co-57	1.24E-01	4.32E-01	1.43E+00	U
WD	LTW	472534025	2/27/2019	Co-58	-2.81E-01	5.75E-01	1.78E+00	U
WD	LTW	472534025	2/27/2019	Co-60	-3.70E-01	5.48E-01	1.69E+00	U
WD	LTW	472534025	2/27/2019	Cr-51	7.51E-01	4.84E+00	1.66E+01	U
WD	LTW	472534025	2/27/2019	Cs-134	-4.02E-01	5.70E-01	1.72E+00	U
WD	LTW	472534025	2/27/2019	Cs-137	-6.83E-01	5.54E-01	1.61E+00	U
WD	LTW	472534025	2/27/2019	Fe-59	-1.69E-01	1.16E+00	3.85E+00	U
WD	LTW	472534025	2/27/2019	I-131	2.75E-01	9.22E-01	3.15E+00	U
WD	LTW	472534025	2/27/2019	K-40	8.10E-01	9.58E+00	2.54E+01	U
WD	LTW	472534025	2/27/2019	La-140	8.00E-01	9.95E-01	3.33E+00	U
WD	LTW	472534025	2/27/2019	Mn-54	7.07E-01	5.41E-01	1.76E+00	U
WD	LTW	472534025	2/27/2019	Nb-95	-7.98E-02	5.94E-01	1.89E+00	U
WD	LTW	472534025	2/27/2019	Ru-103	-3.25E-01	5.41E-01	1.74E+00	U
WD	LTW	472534025	2/27/2019	Ru-106	6.35E+00	4.69E+00	1.54E+01	U
WD	LTW	472534025	2/27/2019	Sb-124	9.90E-01	1.48E+00	4.90E+00	U
WD	LTW	472534025	2/27/2019	Sb-125	-1.27E-01	1.38E+00	4.63E+00	U
WD	LTW	472534025	2/27/2019	Se-75	-8.24E-01	7.15E-01	2.07E+00	U
WD	LTW	472534025	2/27/2019	Th-228	-7.98E-01	1.64E+00	3.65E+00	U
WD	LTW	472534025	2/27/2019	Zn-65	-5.59E-01	9.25E-01	2.93E+00	U
WD	LTW	472534025	2/27/2019	Zr-95	-5.76E-01	1.00E+00	3.09E+00	U
WD	LTW	472534026	2/27/2019	I-131	1.10E-02	2.21E-01	7.23E-01	U
WD	STJ	473771023	3/13/2019	Ac-228	-2.05E+00	4.01E+00	1.07E+01	U
WD	STJ	473771023	3/13/2019	Ag-108m	-4.90E-01	5.14E-01	1.60E+00	U
WD	STJ	473771023	3/13/2019	Ag-110m	-4.71E-01	8.28E-01	2.51E+00	U
WD	STJ	473771023	3/13/2019	Ba-140	1.94E+01	1.43E+01	1.93E+01	UI
WD	STJ	473771023	3/13/2019	Be-7	4.81E+00	6.99E+00	2.40E+01	U
WD	STJ	473771023	3/13/2019	BETA	1.78E+00	1.09E+00	3.25E+00	U
WD	STJ	473771023	3/13/2019	Ce-141	-1.28E-01	1.43E+00	4.58E+00	U
WD	STJ	473771023	3/13/2019	Ce-144	3.12E+00	4.78E+00	1.57E+01	U
WD	STJ	473771023	3/13/2019	Co-57	-1.36E-01	6.09E-01	1.96E+00	U
WD	STJ	473771023	3/13/2019	Co-58	3.17E-01	6.93E-01	2.33E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	473771023	3/13/2019	Co-60	-2.55E-01	7.03E-01	2.29E+00	U
WD	STJ	473771023	3/13/2019	Cr-51	9.83E-01	8.05E+00	2.78E+01	U
WD	STJ	473771023	3/13/2019	Cs-134	1.72E-01	9.06E-01	2.71E+00	U
WD	STJ	473771023	3/13/2019	Cs-137	8.41E-01	8.38E-01	2.31E+00	U
WD	STJ	473771023	3/13/2019	Fe-59	-2.22E-01	1.71E+00	5.36E+00	U
WD	STJ	473771023	3/13/2019	I-131	1.81E+00	3.56E+00	1.23E+01	U
WD	STJ	473771023	3/13/2019	K-40	-8.62E+00	1.08E+01	3.39E+01	U
WD	STJ	473771023	3/13/2019	La-140	-6.32E+00	2.80E+00	4.72E+00	U
WD	STJ	473771023	3/13/2019	Mn-54	-1.67E+00	9.36E-01	1.88E+00	U
WD	STJ	473771023	3/13/2019	Nb-95	1.23E-01	7.52E-01	2.49E+00	U
WD	STJ	473771023	3/13/2019	Ru-103	-2.09E+00	1.02E+00	2.61E+00	U
WD	STJ	473771023	3/13/2019	Ru-106	-9.05E+00	5.56E+00	1.47E+01	U
WD	STJ	473771023	3/13/2019	Sb-124	-1.63E+00	1.66E+00	4.63E+00	U
WD	STJ	473771023	3/13/2019	Sb-125	-2.60E+00	1.91E+00	5.68E+00	U
WD	STJ	473771023	3/13/2019	Se-75	9.46E-01	1.07E+00	3.40E+00	U
WD	STJ	473771023	3/13/2019	Th-228	2.86E-01	1.65E+00	5.03E+00	U
WD	STJ	473771023	3/13/2019	Zn-65	-9.62E-01	1.72E+00	4.31E+00	U
WD	STJ	473771023	3/13/2019	Zr-95	-6.94E-01	1.40E+00	4.36E+00	U
WD	STJ	473771024	3/13/2019	I-131	-6.55E-01	2.39E-01	8.87E-01	U
WD	LTW	473771025	3/13/2019	Ac-228	1.18E+00	5.20E+00	1.51E+01	U
WD	LTW	473771025	3/13/2019	Ag-108m	-2.33E-02	7.67E-01	2.55E+00	U
WD	LTW	473771025	3/13/2019	Ag-110m	-1.33E+00	1.10E+00	3.20E+00	U
WD	LTW	473771025	3/13/2019	Ba-140	4.42E+00	8.39E+00	2.83E+01	U
WD	LTW	473771025	3/13/2019	Be-7	3.61E+01	1.64E+01	2.90E+01	UI
WD	LTW	473771025	3/13/2019	BETA	2.34E+00	1.06E+00	3.02E+00	U
WD	LTW	473771025	3/13/2019	Ce-141	-6.27E+00	2.86E+00	6.26E+00	U
WD	LTW	473771025	3/13/2019	Ce-144	1.42E+01	6.79E+00	2.08E+01	U
WD	LTW	473771025	3/13/2019	Co-57	-1.69E+00	9.00E-01	2.44E+00	U
WD	LTW	473771025	3/13/2019	Co-58	3.93E-01	1.02E+00	3.31E+00	U
WD	LTW	473771025	3/13/2019	Co-60	9.12E-01	1.11E+00	3.47E+00	U
WD	LTW	473771025	3/13/2019	Cr-51	-1.02E+01	1.29E+01	3.70E+01	U
WD	LTW	473771025	3/13/2019	Cs-134	1.76E-01	1.07E+00	3.45E+00	U
WD	LTW	473771025	3/13/2019	Cs-137	-1.76E+00	1.34E+00	3.54E+00	U
WD	LTW	473771025	3/13/2019	Fe-59	-6.99E-01	2.52E+00	8.21E+00	U
WD	LTW	473771025	3/13/2019	I-131	9.91E-01	4.54E+00	1.55E+01	U
WD	LTW	473771025	3/13/2019	K-40	-1.86E+01	1.85E+01	4.57E+01	U
WD	LTW	473771025	3/13/2019	La-140	-2.58E+00	3.15E+00	8.95E+00	U
WD	LTW	473771025	3/13/2019	Mn-54	2.39E-02	9.33E-01	3.18E+00	U
WD	LTW	473771025	3/13/2019	Nb-95	6.04E-01	9.44E-01	3.14E+00	U
WD	LTW	473771025	3/13/2019	Ru-103	-7.62E-01	1.24E+00	3.91E+00	U
WD	LTW	473771025	3/13/2019	Ru-106	7.16E+00	8.05E+00	2.71E+01	U
WD	LTW	473771025	3/13/2019	Sb-124	-3.99E+00	2.76E+00	6.58E+00	U
WD	LTW	473771025	3/13/2019	Sb-125	2.47E+00	2.41E+00	8.23E+00	U
WD	LTW	473771025	3/13/2019	Se-75	3.35E-01	1.39E+00	4.03E+00	U
WD	LTW	473771025	3/13/2019	Th-228	-2.92E-01	2.18E+00	6.51E+00	U
WD	LTW	473771025	3/13/2019	Zn-65	1.62E+00	2.14E+00	7.39E+00	U
WD	LTW	473771025	3/13/2019	Zr-95	4.97E+00	2.14E+00	6.91E+00	U
WD	LTW	473771026	3/13/2019	I-131	-4.67E-01	2.14E-01	7.80E-01	U
WD	STJ	474876023	3/27/2019	Ac-228	7.90E-01	5.42E+00	1.77E+01	U
WD	STJ	474876023	3/27/2019	Ag-108m	-2.66E-01	1.17E+00	3.42E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	474876023	3/27/2019	Ag-110m	4.36E-01	1.54E+00	5.35E+00	U
WD	STJ	474876023	3/27/2019	Ba-140	4.76E+00	5.79E+00	2.02E+01	U
WD	STJ	474876023	3/27/2019	Be-7	1.50E+01	1.08E+01	3.79E+01	U
WD	STJ	474876023	3/27/2019	BETA	-2.01E+00	9.37E-01	3.47E+00	U
WD	STJ	474876023	3/27/2019	Ce-141	-8.94E-01	2.24E+00	7.09E+00	U
WD	STJ	474876023	3/27/2019	Ce-144	1.37E+01	1.39E+01	2.32E+01	U
WD	STJ	474876023	3/27/2019	Co-57	1.85E-01	9.83E-01	3.02E+00	U
WD	STJ	474876023	3/27/2019	Co-58	8.98E-01	1.34E+00	4.52E+00	U
WD	STJ	474876023	3/27/2019	Co-60	-6.96E-01	1.19E+00	3.47E+00	U
WD	STJ	474876023	3/27/2019	Cr-51	-4.03E+00	1.05E+01	3.47E+01	U
WD	STJ	474876023	3/27/2019	Cs-134	1.45E+00	1.11E+00	3.80E+00	U
WD	STJ	474876023	3/27/2019	Cs-137	-6.75E-01	1.34E+00	4.06E+00	U
WD	STJ	474876023	3/27/2019	Fe-59	3.12E+00	2.63E+00	9.54E+00	U
WD	STJ	474876023	3/27/2019	I-131	2.46E+00	2.49E+00	8.70E+00	U
WD	STJ	474876023	3/27/2019	K-40	-2.43E+01	1.82E+01	5.31E+01	U
WD	STJ	474876023	3/27/2019	La-140	6.70E-01	3.13E+00	9.12E+00	U
WD	STJ	474876023	3/27/2019	Mn-54	-1.24E+00	1.28E+00	3.20E+00	U
WD	STJ	474876023	3/27/2019	Nb-95	2.16E-01	1.06E+00	3.46E+00	U
WD	STJ	474876023	3/27/2019	Ru-103	-1.06E-01	1.28E+00	4.20E+00	U
WD	STJ	474876023	3/27/2019	Ru-106	-1.05E+01	8.91E+00	2.33E+01	U
WD	STJ	474876023	3/27/2019	Sb-124	6.97E-01	3.51E+00	1.21E+01	U
WD	STJ	474876023	3/27/2019	Sb-125	1.89E+00	3.35E+00	1.15E+01	U
WD	STJ	474876023	3/27/2019	Se-75	1.87E+00	1.59E+00	5.20E+00	U
WD	STJ	474876023	3/27/2019	Th-228	1.54E+00	2.63E+00	8.41E+00	U
WD	STJ	474876023	3/27/2019	Zn-65	1.41E+00	2.51E+00	8.81E+00	U
WD	STJ	474876023	3/27/2019	Zr-95	4.13E-02	2.00E+00	6.41E+00	U
WD	STJ	474876024	3/27/2019	I-131	1.85E-01	1.85E-01	5.91E-01	U
WD	LTW	474876025	3/27/2019	Ac-228	-3.96E+00	4.18E+00	1.18E+01	U
WD	LTW	474876025	3/27/2019	Ag-108m	-6.82E-01	8.21E-01	2.57E+00	U
WD	LTW	474876025	3/27/2019	Ag-110m	-3.71E-01	1.55E+00	4.86E+00	U
WD	LTW	474876025	3/27/2019	Ba-140	-1.83E+00	5.60E+00	1.82E+01	U
WD	LTW	474876025	3/27/2019	Be-7	7.08E+00	8.90E+00	3.13E+01	U
WD	LTW	474876025	3/27/2019	BETA	2.53E+00	1.05E+00	2.81E+00	U
WD	LTW	474876025	3/27/2019	Ce-141	8.97E-01	1.74E+00	5.49E+00	U
WD	LTW	474876025	3/27/2019	Ce-144	6.23E+00	7.37E+00	2.49E+01	U
WD	LTW	474876025	3/27/2019	Co-57	-4.87E-01	9.19E-01	2.82E+00	U
WD	LTW	474876025	3/27/2019	Co-58	2.22E+00	1.27E+00	4.40E+00	U
WD	LTW	474876025	3/27/2019	Co-60	7.64E-01	9.97E-01	3.61E+00	U
WD	LTW	474876025	3/27/2019	Cr-51	-9.73E+00	1.03E+01	2.92E+01	U
WD	LTW	474876025	3/27/2019	Cs-134	-1.17E+00	1.10E+00	3.03E+00	U
WD	LTW	474876025	3/27/2019	Cs-137	-1.75E+00	1.50E+00	4.37E+00	U
WD	LTW	474876025	3/27/2019	Fe-59	2.88E+00	2.08E+00	7.70E+00	U
WD	LTW	474876025	3/27/2019	I-131	-4.82E-01	2.15E+00	6.57E+00	U
WD	LTW	474876025	3/27/2019	K-40	-1.38E+01	1.60E+01	4.96E+01	U
WD	LTW	474876025	3/27/2019	La-140	-1.62E+00	1.86E+00	5.11E+00	U
WD	LTW	474876025	3/27/2019	Mn-54	-3.04E+00	1.45E+00	2.65E+00	U
WD	LTW	474876025	3/27/2019	Nb-95	9.24E-01	1.72E+00	3.33E+00	U
WD	LTW	474876025	3/27/2019	Ru-103	-3.92E-01	1.16E+00	3.63E+00	U
WD	LTW	474876025	3/27/2019	Ru-106	4.98E+00	8.88E+00	3.06E+01	U
WD	LTW	474876025	3/27/2019	Sb-124	-1.58E+00	2.53E+00	7.33E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	474876025	3/27/2019	Sb-125	-1.02E+00	2.88E+00	9.56E+00	U
WD	LTW	474876025	3/27/2019	Se-75	9.12E-01	1.25E+00	4.13E+00	U
WD	LTW	474876025	3/27/2019	Th-228	2.45E+00	3.99E+00	7.60E+00	U
WD	LTW	474876025	3/27/2019	Zn-65	-2.32E+00	2.24E+00	6.52E+00	U
WD	LTW	474876025	3/27/2019	Zr-95	-4.25E+00	1.93E+00	3.43E+00	U
WD	LTW	474876026	3/27/2019	I-131	2.43E-01	3.03E-01	9.80E-01	U
WD	STJ	478603001	3/27/2019	H-3	-1.98E+02	7.08E+02	1.22E+03	U
WD	LTW	478603002	3/27/2019	H-3	2.90E+02	7.57E+02	1.22E+03	U
WD	STJ	476342023	4/10/2019	Ac-228	1.81E+00	3.83E+00	7.32E+00	U
WD	STJ	476342023	4/10/2019	Ag-108m	-3.86E-01	3.96E-01	1.27E+00	U
WD	STJ	476342023	4/10/2019	Ag-110m	-5.91E-01	6.02E-01	1.78E+00	U
WD	STJ	476342023	4/10/2019	Ba-140	-5.49E-01	1.89E+00	6.26E+00	U
WD	STJ	476342023	4/10/2019	Be-7	-2.32E+00	3.81E+00	1.25E+01	U
WD	STJ	476342023	4/10/2019	BETA	2.10E+00	8.76E-01	2.26E+00	U
WD	STJ	476342023	4/10/2019	Ce-141	4.94E-01	8.23E-01	2.54E+00	U
WD	STJ	476342023	4/10/2019	Ce-144	-8.60E-01	3.16E+00	9.67E+00	U
WD	STJ	476342023	4/10/2019	Co-57	-1.45E-01	3.94E-01	1.30E+00	U
WD	STJ	476342023	4/10/2019	Co-58	4.88E-01	4.59E-01	1.52E+00	U
WD	STJ	476342023	4/10/2019	Co-60	4.80E-01	4.80E-01	1.65E+00	U
WD	STJ	476342023	4/10/2019	Cr-51	-2.45E+00	4.44E+00	1.36E+01	U
WD	STJ	476342023	4/10/2019	Cs-134	-1.98E-01	4.56E-01	1.44E+00	U
WD	STJ	476342023	4/10/2019	Cs-137	6.54E-01	1.30E+00	1.58E+00	U
WD	STJ	476342023	4/10/2019	Fe-59	3.07E-01	1.04E+00	3.18E+00	U
WD	STJ	476342023	4/10/2019	I-131	-8.41E-01	7.54E-01	2.17E+00	U
WD	STJ	476342023	4/10/2019	K-40	-1.42E+01	1.14E+01	2.38E+01	U
WD	STJ	476342023	4/10/2019	La-140	1.34E+00	8.16E-01	2.73E+00	U
WD	STJ	476342023	4/10/2019	Mn-54	-9.69E-02	5.31E-01	1.51E+00	U
WD	STJ	476342023	4/10/2019	Nb-95	1.96E-01	4.26E-01	1.41E+00	U
WD	STJ	476342023	4/10/2019	Ru-103	5.83E-02	4.81E-01	1.47E+00	U
WD	STJ	476342023	4/10/2019	Ru-106	-3.83E-01	3.94E+00	1.30E+01	U
WD	STJ	476342023	4/10/2019	Sb-124	-1.19E+00	1.09E+00	3.17E+00	U
WD	STJ	476342023	4/10/2019	Sb-125	1.06E+00	1.18E+00	4.05E+00	U
WD	STJ	476342023	4/10/2019	Se-75	8.76E-01	6.77E-01	2.00E+00	U
WD	STJ	476342023	4/10/2019	Th-228	8.48E-01	1.87E+00	3.55E+00	U
WD	STJ	476342023	4/10/2019	Zn-65	-1.09E+00	9.81E-01	3.04E+00	U
WD	STJ	476342023	4/10/2019	Zr-95	-9.97E-01	8.21E-01	2.42E+00	U
WD	STJ	476342024	4/10/2019	I-131	-4.80E-02	2.57E-01	8.48E-01	U
WD	LTW	476342025	4/10/2019	Ac-228	6.30E+00	2.97E+00	6.00E+00	UI
WD	LTW	476342025	4/10/2019	Ag-108m	4.91E-01	4.30E-01	1.44E+00	U
WD	LTW	476342025	4/10/2019	Ag-110m	-5.09E-01	6.57E-01	1.97E+00	U
WD	LTW	476342025	4/10/2019	Ba-140	3.80E+00	2.24E+00	7.28E+00	U
WD	LTW	476342025	4/10/2019	Be-7	1.89E+00	3.90E+00	1.32E+01	U
WD	LTW	476342025	4/10/2019	BETA	1.02E+00	1.04E+00	3.17E+00	U
WD	LTW	476342025	4/10/2019	Ce-141	1.70E+00	9.72E-01	2.77E+00	U
WD	LTW	476342025	4/10/2019	Ce-144	-5.53E+00	3.40E+00	9.66E+00	U
WD	LTW	476342025	4/10/2019	Co-57	6.81E-02	4.24E-01	1.37E+00	U
WD	LTW	476342025	4/10/2019	Co-58	-5.35E-01	5.09E-01	1.50E+00	U
WD	LTW	476342025	4/10/2019	Co-60	4.84E-01	4.73E-01	1.64E+00	U
WD	LTW	476342025	4/10/2019	Cr-51	7.04E+00	4.65E+00	1.54E+01	U
WD	LTW	476342025	4/10/2019	Cs-134	-4.75E-01	7.90E-01	1.87E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	476342025	4/10/2019	Cs-137	-9.51E-02	4.89E-01	1.58E+00	U
WD	LTW	476342025	4/10/2019	Fe-59	-5.67E-02	9.15E-01	3.09E+00	U
WD	LTW	476342025	4/10/2019	I-131	-3.34E-02	6.65E-01	2.25E+00	U
WD	LTW	476342025	4/10/2019	K-40	-3.10E+01	1.40E+01	2.41E+01	U
WD	LTW	476342025	4/10/2019	La-140	3.65E-01	8.07E-01	2.72E+00	U
WD	LTW	476342025	4/10/2019	Mn-54	-5.02E-01	4.92E-01	1.45E+00	U
WD	LTW	476342025	4/10/2019	Nb-95	3.48E-01	5.15E-01	1.69E+00	U
WD	LTW	476342025	4/10/2019	Ru-103	8.61E-01	5.31E-01	1.55E+00	U
WD	LTW	476342025	4/10/2019	Ru-106	5.60E-01	4.05E+00	1.33E+01	U
WD	LTW	476342025	4/10/2019	Sb-124	-9.27E-01	1.18E+00	3.57E+00	U
WD	LTW	476342025	4/10/2019	Sb-125	2.41E+00	1.67E+00	4.29E+00	U
WD	LTW	476342025	4/10/2019	Se-75	8.39E-01	6.69E-01	2.26E+00	U
WD	LTW	476342025	4/10/2019	Th-228	-1.31E+00	1.41E+00	3.51E+00	U
WD	LTW	476342025	4/10/2019	Zn-65	1.04E+00	9.41E-01	3.26E+00	U
WD	LTW	476342025	4/10/2019	Zr-95	6.03E-01	8.05E-01	2.66E+00	U
WD	LTW	476342026	4/10/2019	I-131	-8.92E-02	1.75E-01	5.84E-01	U
WD	STJ	477553023	4/24/2019	Ac-228	-7.87E+00	6.73E+00	1.96E+01	U
WD	STJ	477553023	4/24/2019	Ag-108m	2.89E-01	1.08E+00	3.62E+00	U
WD	STJ	477553023	4/24/2019	Ag-110m	-4.65E-01	1.94E+00	6.21E+00	U
WD	STJ	477553023	4/24/2019	Ba-140	2.15E+00	8.43E+00	2.82E+01	U
WD	STJ	477553023	4/24/2019	Be-7	-3.38E-01	1.19E+01	3.92E+01	U
WD	STJ	477553023	4/24/2019	BETA	2.57E+00	1.29E+00	3.73E+00	U
WD	STJ	477553023	4/24/2019	Ce-141	-1.18E+00	3.03E+00	9.80E+00	U
WD	STJ	477553023	4/24/2019	Ce-144	1.60E+01	9.56E+00	3.22E+01	U
WD	STJ	477553023	4/24/2019	Co-57	-4.82E-01	1.13E+00	3.80E+00	U
WD	STJ	477553023	4/24/2019	Co-58	-9.56E-02	1.46E+00	4.66E+00	U
WD	STJ	477553023	4/24/2019	Co-60	9.68E-02	8.80E-01	3.03E+00	U
WD	STJ	477553023	4/24/2019	Cr-51	4.06E+00	1.46E+01	4.95E+01	U
WD	STJ	477553023	4/24/2019	Cs-134	2.70E-02	1.43E+00	4.62E+00	U
WD	STJ	477553023	4/24/2019	Cs-137	2.46E+00	1.57E+00	5.41E+00	U
WD	STJ	477553023	4/24/2019	Fe-59	-2.58E+00	2.53E+00	7.21E+00	U
WD	STJ	477553023	4/24/2019	I-131	5.96E+00	3.81E+00	1.31E+01	U
WD	STJ	477553023	4/24/2019	K-40	9.36E+00	1.96E+01	5.34E+01	U
WD	STJ	477553023	4/24/2019	La-140	-1.33E+00	3.34E+00	1.05E+01	U
WD	STJ	477553023	4/24/2019	Mn-54	-4.53E-01	1.43E+00	4.45E+00	U
WD	STJ	477553023	4/24/2019	Nb-95	-1.96E+00	1.46E+00	3.76E+00	U
WD	STJ	477553023	4/24/2019	Ru-103	-1.13E+00	1.37E+00	4.07E+00	U
WD	STJ	477553023	4/24/2019	Ru-106	-1.85E+00	1.18E+01	3.77E+01	U
WD	STJ	477553023	4/24/2019	Sb-124	9.00E-01	2.31E+00	8.30E+00	U
WD	STJ	477553023	4/24/2019	Sb-125	-1.82E+00	2.98E+00	9.23E+00	U
WD	STJ	477553023	4/24/2019	Se-75	-8.79E-01	1.98E+00	6.47E+00	U
WD	STJ	477553023	4/24/2019	Th-228	-2.17E+00	2.99E+00	9.51E+00	U
WD	STJ	477553023	4/24/2019	Zn-65	1.30E+00	2.59E+00	9.22E+00	U
WD	STJ	477553023	4/24/2019	Zr-95	-9.32E-01	2.46E+00	7.58E+00	U
WD	STJ	477553024	4/24/2019	I-131	-3.08E-01	2.01E-01	6.77E-01	U
WD	LTW	477553025	4/24/2019	Ac-228	-1.23E+01	6.94E+00	1.80E+01	U
WD	LTW	477553025	4/24/2019	Ag-108m	1.73E-01	1.19E+00	3.91E+00	U
WD	LTW	477553025	4/24/2019	Ag-110m	2.33E+00	1.33E+00	4.69E+00	U
WD	LTW	477553025	4/24/2019	Ba-140	7.49E+00	7.49E+00	2.57E+01	U
WD	LTW	477553025	4/24/2019	Be-7	1.05E+01	1.15E+01	3.90E+01	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	477553025	4/24/2019	BETA	2.33E+00	9.70E-01	2.54E+00	U
WD	LTW	477553025	4/24/2019	Ce-141	-4.47E+00	2.99E+00	8.04E+00	U
WD	LTW	477553025	4/24/2019	Ce-144	1.04E+01	9.17E+00	2.94E+01	U
WD	LTW	477553025	4/24/2019	Co-57	1.09E+00	1.18E+00	3.81E+00	U
WD	LTW	477553025	4/24/2019	Co-58	1.54E-02	1.13E+00	3.78E+00	U
WD	LTW	477553025	4/24/2019	Co-60	-7.35E-01	1.47E+00	4.37E+00	U
WD	LTW	477553025	4/24/2019	Cr-51	1.03E+01	1.38E+01	4.70E+01	U
WD	LTW	477553025	4/24/2019	Cs-134	2.17E+00	1.60E+00	5.19E+00	U
WD	LTW	477553025	4/24/2019	Cs-137	-3.53E-02	1.14E+00	3.84E+00	U
WD	LTW	477553025	4/24/2019	Fe-59	3.46E+00	3.42E+00	1.03E+01	U
WD	LTW	477553025	4/24/2019	I-131	-1.25E+00	4.02E+00	1.29E+01	U
WD	LTW	477553025	4/24/2019	K-40	4.03E+01	2.63E+01	2.12E+01	UI
WD	LTW	477553025	4/24/2019	La-140	-2.76E+00	3.02E+00	8.56E+00	U
WD	LTW	477553025	4/24/2019	Mn-54	2.37E+00	9.26E-01	3.45E+00	U
WD	LTW	477553025	4/24/2019	Nb-95	-5.64E-01	1.69E+00	5.30E+00	U
WD	LTW	477553025	4/24/2019	Ru-103	1.06E+00	1.46E+00	4.89E+00	U
WD	LTW	477553025	4/24/2019	Ru-106	-1.57E+01	1.29E+01	3.47E+01	U
WD	LTW	477553025	4/24/2019	Sb-124	-1.75E+00	3.52E+00	1.08E+01	U
WD	LTW	477553025	4/24/2019	Sb-125	-5.44E+00	3.30E+00	8.36E+00	U
WD	LTW	477553025	4/24/2019	Se-75	1.49E+00	1.74E+00	5.95E+00	U
WD	LTW	477553025	4/24/2019	Th-228	1.77E+00	6.23E+00	9.81E+00	U
WD	LTW	477553025	4/24/2019	Zn-65	3.63E+00	2.57E+00	9.28E+00	U
WD	LTW	477553025	4/24/2019	Zr-95	2.00E+00	2.71E+00	9.43E+00	U
WD	LTW	477553026	4/24/2019	I-131	2.63E-01	1.92E-01	6.17E-01	U
WD	STJ	478962023	5/8/2019	Ac-228	2.72E+00	5.14E+00	1.62E+01	U
WD	STJ	478962023	5/8/2019	Ag-108m	-5.83E-01	9.46E-01	2.94E+00	U
WD	STJ	478962023	5/8/2019	Ag-110m	-8.27E-01	1.32E+00	4.13E+00	U
WD	STJ	478962023	5/8/2019	Ba-140	-5.55E+00	7.37E+00	1.96E+01	U
WD	STJ	478962023	5/8/2019	Be-7	-1.50E+01	1.08E+01	2.50E+01	U
WD	STJ	478962023	5/8/2019	BETA	1.72E+00	1.01E+00	3.00E+00	U
WD	STJ	478962023	5/8/2019	Ce-141	4.96E+00	3.60E+00	6.85E+00	U
WD	STJ	478962023	5/8/2019	Ce-144	1.27E+00	7.29E+00	2.30E+01	U
WD	STJ	478962023	5/8/2019	Co-57	-2.42E-01	9.58E-01	2.97E+00	U
WD	STJ	478962023	5/8/2019	Co-58	-3.30E-01	1.11E+00	3.66E+00	U
WD	STJ	478962023	5/8/2019	Co-60	-1.02E+00	1.01E+00	2.74E+00	U
WD	STJ	478962023	5/8/2019	Cr-51	-4.26E-01	1.07E+01	3.55E+01	U
WD	STJ	478962023	5/8/2019	Cs-134	4.37E-01	1.02E+00	3.56E+00	U
WD	STJ	478962023	5/8/2019	Cs-137	2.71E+00	1.34E+00	4.42E+00	U
WD	STJ	478962023	5/8/2019	Fe-59	-2.77E+00	2.27E+00	6.17E+00	U
WD	STJ	478962023	5/8/2019	I-131	1.87E+00	2.96E+00	1.01E+01	U
WD	STJ	478962023	5/8/2019	K-40	5.78E+01	1.71E+01	3.09E+01	UI
WD	STJ	478962023	5/8/2019	La-140	-3.58E-01	2.40E+00	7.57E+00	U
WD	STJ	478962023	5/8/2019	Mn-54	-7.86E-01	1.12E+00	3.02E+00	U
WD	STJ	478962023	5/8/2019	Nb-95	5.16E-01	1.05E+00	3.70E+00	U
WD	STJ	478962023	5/8/2019	Ru-103	-1.53E+00	1.32E+00	3.78E+00	U
WD	STJ	478962023	5/8/2019	Ru-106	-2.38E+00	9.17E+00	2.87E+01	U
WD	STJ	478962023	5/8/2019	Sb-124	5.54E+00	2.86E+00	1.06E+01	U
WD	STJ	478962023	5/8/2019	Sb-125	5.06E-01	2.64E+00	8.78E+00	U
WD	STJ	478962023	5/8/2019	Se-75	1.45E+00	1.44E+00	4.95E+00	U
WD	STJ	478962023	5/8/2019	Th-228	-4.41E-01	2.19E+00	7.04E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	478962023	5/8/2019	Zn-65	-4.44E-01	2.23E+00	7.25E+00	U
WD	STJ	478962023	5/8/2019	Zr-95	7.95E-01	1.81E+00	5.98E+00	U
WD	STJ	478962024	5/8/2019	I-131	6.18E-01	3.22E-01	9.60E-01	U
WD	LTW	478962025	5/8/2019	Ac-228	-1.14E+00	5.07E+00	1.61E+01	U
WD	LTW	478962025	5/8/2019	Ag-108m	3.11E-01	9.02E-01	3.09E+00	U
WD	LTW	478962025	5/8/2019	Ag-110m	-1.45E+00	1.72E+00	5.22E+00	U
WD	LTW	478962025	5/8/2019	Ba-140	2.60E+00	8.25E+00	2.78E+01	U
WD	LTW	478962025	5/8/2019	Be-7	-1.40E+01	1.15E+01	3.24E+01	U
WD	LTW	478962025	5/8/2019	BETA	1.08E+00	9.91E-01	3.07E+00	U
WD	LTW	478962025	5/8/2019	Ce-141	-1.53E+00	2.81E+00	7.68E+00	U
WD	LTW	478962025	5/8/2019	Ce-144	1.20E+01	7.62E+00	2.52E+01	U
WD	LTW	478962025	5/8/2019	Co-57	7.22E-01	9.85E-01	3.30E+00	U
WD	LTW	478962025	5/8/2019	Co-58	3.39E+00	1.26E+00	2.36E+00	UI
WD	LTW	478962025	5/8/2019	Co-60	-1.00E+00	1.27E+00	3.55E+00	U
WD	LTW	478962025	5/8/2019	Cr-51	-3.61E+00	1.40E+01	4.20E+01	U
WD	LTW	478962025	5/8/2019	Cs-134	2.95E-01	1.41E+00	4.58E+00	U
WD	LTW	478962025	5/8/2019	Cs-137	1.48E+00	1.30E+00	4.20E+00	U
WD	LTW	478962025	5/8/2019	Fe-59	-3.03E-01	2.55E+00	8.35E+00	U
WD	LTW	478962025	5/8/2019	I-131	2.98E+00	3.27E+00	1.15E+01	U
WD	LTW	478962025	5/8/2019	K-40	7.43E-01	1.62E+01	5.27E+01	U
WD	LTW	478962025	5/8/2019	La-140	2.14E+00	3.09E+00	9.93E+00	U
WD	LTW	478962025	5/8/2019	Mn-54	-1.64E-01	1.19E+00	3.99E+00	U
WD	LTW	478962025	5/8/2019	Nb-95	-6.47E-01	1.09E+00	3.14E+00	U
WD	LTW	478962025	5/8/2019	Ru-103	-4.60E-01	1.24E+00	3.93E+00	U
WD	LTW	478962025	5/8/2019	Ru-106	-2.77E+00	1.16E+01	3.67E+01	U
WD	LTW	478962025	5/8/2019	Sb-124	5.28E+00	4.24E+00	1.56E+01	U
WD	LTW	478962025	5/8/2019	Sb-125	3.08E+00	2.84E+00	1.00E+01	U
WD	LTW	478962025	5/8/2019	Se-75	-1.66E+00	1.73E+00	4.85E+00	U
WD	LTW	478962025	5/8/2019	Th-228	4.75E+00	5.67E+00	6.74E+00	U
WD	LTW	478962025	5/8/2019	Zn-65	1.74E+00	2.59E+00	9.16E+00	U
WD	LTW	478962025	5/8/2019	Zr-95	2.15E+00	2.26E+00	7.83E+00	U
WD	LTW	478962026	5/8/2019	I-131	-3.45E-01	2.66E-01	9.33E-01	U
WD	STJ	480211023	5/22/2019	Ac-228	-1.38E+01	5.67E+00	1.15E+01	U
WD	STJ	480211023	5/22/2019	Ag-108m	-1.28E+00	9.82E-01	2.90E+00	U
WD	STJ	480211023	5/22/2019	Ag-110m	-8.46E-01	1.44E+00	4.37E+00	U
WD	STJ	480211023	5/22/2019	Ba-140	-6.53E-01	4.75E+00	1.57E+01	U
WD	STJ	480211023	5/22/2019	Be-7	1.64E+01	9.35E+00	3.21E+01	U
WD	STJ	480211023	5/22/2019	BETA	-8.47E-02	1.01E+00	3.32E+00	U
WD	STJ	480211023	5/22/2019	Ce-141	-1.02E+00	2.08E+00	6.49E+00	U
WD	STJ	480211023	5/22/2019	Ce-144	5.93E+00	7.58E+00	2.48E+01	U
WD	STJ	480211023	5/22/2019	Co-57	3.87E-01	9.93E-01	3.24E+00	U
WD	STJ	480211023	5/22/2019	Co-58	-2.35E-01	9.70E-01	3.09E+00	U
WD	STJ	480211023	5/22/2019	Co-60	-5.97E-01	1.20E+00	3.53E+00	U
WD	STJ	480211023	5/22/2019	Cr-51	-1.76E+00	9.45E+00	3.21E+01	U
WD	STJ	480211023	5/22/2019	Cs-134	9.48E-02	9.09E-01	3.01E+00	U
WD	STJ	480211023	5/22/2019	Cs-137	-9.96E-01	1.15E+00	3.46E+00	U
WD	STJ	480211023	5/22/2019	Fe-59	-3.95E+00	2.71E+00	5.44E+00	U
WD	STJ	480211023	5/22/2019	I-131	-1.05E-01	1.98E+00	6.72E+00	U
WD	STJ	480211023	5/22/2019	K-40	9.54E+00	1.87E+01	3.52E+01	U
WD	STJ	480211023	5/22/2019	La-140	3.03E-02	1.75E+00	5.90E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	480211023	5/22/2019	Mn-54	-6.35E-01	1.02E+00	3.08E+00	U
WD	STJ	480211023	5/22/2019	Nb-95	1.15E+00	1.05E+00	3.64E+00	U
WD	STJ	480211023	5/22/2019	Ru-103	-8.46E-01	1.16E+00	3.64E+00	U
WD	STJ	480211023	5/22/2019	Ru-106	7.16E+00	8.42E+00	2.93E+01	U
WD	STJ	480211023	5/22/2019	Sb-124	2.53E+00	2.30E+00	8.55E+00	U
WD	STJ	480211023	5/22/2019	Sb-125	2.56E+00	2.90E+00	1.01E+01	U
WD	STJ	480211023	5/22/2019	Se-75	-4.62E-01	1.72E+00	4.82E+00	U
WD	STJ	480211023	5/22/2019	Th-228	-2.41E+00	2.51E+00	7.51E+00	U
WD	STJ	480211023	5/22/2019	Zn-65	-9.21E-01	1.83E+00	5.38E+00	U
WD	STJ	480211023	5/22/2019	Zr-95	5.76E-01	2.04E+00	6.83E+00	U
WD	STJ	480211024	5/22/2019	I-131	-2.17E-01	2.14E-01	7.17E-01	U
WD	LTW	480211025	5/22/2019	Ac-228	-6.66E+00	5.35E+00	1.57E+01	U
WD	LTW	480211025	5/22/2019	Ag-108m	1.99E-01	1.00E+00	3.33E+00	U
WD	LTW	480211025	5/22/2019	Ag-110m	2.27E+00	1.50E+00	5.45E+00	U
WD	LTW	480211025	5/22/2019	Ba-140	3.80E-01	5.78E+00	1.88E+01	U
WD	LTW	480211025	5/22/2019	Be-7	-5.62E+00	1.06E+01	3.30E+01	U
WD	LTW	480211025	5/22/2019	BETA	9.81E-01	7.34E-01	2.10E+00	U
WD	LTW	480211025	5/22/2019	Ce-141	-6.05E-01	1.84E+00	5.66E+00	U
WD	LTW	480211025	5/22/2019	Ce-144	-5.04E+00	6.70E+00	1.99E+01	U
WD	LTW	480211025	5/22/2019	Co-57	-1.05E+00	9.32E-01	2.42E+00	U
WD	LTW	480211025	5/22/2019	Co-58	-2.34E+00	1.35E+00	3.23E+00	U
WD	LTW	480211025	5/22/2019	Co-60	1.68E-01	9.66E-01	2.87E+00	U
WD	LTW	480211025	5/22/2019	Cr-51	-1.09E+01	9.27E+00	2.73E+01	U
WD	LTW	480211025	5/22/2019	Cs-134	2.52E-01	8.83E-01	3.08E+00	U
WD	LTW	480211025	5/22/2019	Cs-137	1.14E+00	1.22E+00	4.14E+00	U
WD	LTW	480211025	5/22/2019	Fe-59	-2.62E+00	2.26E+00	6.03E+00	U
WD	LTW	480211025	5/22/2019	I-131	-2.31E-01	1.79E+00	5.88E+00	U
WD	LTW	480211025	5/22/2019	K-40	-2.09E+01	1.84E+01	5.30E+01	U
WD	LTW	480211025	5/22/2019	La-140	2.11E+00	1.67E+00	6.26E+00	U
WD	LTW	480211025	5/22/2019	Mn-54	1.08E+00	1.11E+00	3.95E+00	U
WD	LTW	480211025	5/22/2019	Nb-95	1.00E+00	1.34E+00	4.70E+00	U
WD	LTW	480211025	5/22/2019	Ru-103	-8.93E-01	1.17E+00	3.49E+00	U
WD	LTW	480211025	5/22/2019	Ru-106	-1.62E+01	1.20E+01	3.15E+01	U
WD	LTW	480211025	5/22/2019	Sb-124	-4.19E+00	3.12E+00	7.94E+00	U
WD	LTW	480211025	5/22/2019	Sb-125	-4.76E-01	2.94E+00	9.52E+00	U
WD	LTW	480211025	5/22/2019	Se-75	-1.32E+00	1.43E+00	4.48E+00	U
WD	LTW	480211025	5/22/2019	Th-228	1.47E+00	2.30E+00	7.58E+00	U
WD	LTW	480211025	5/22/2019	Zn-65	-3.66E+00	2.98E+00	8.16E+00	U
WD	LTW	480211025	5/22/2019	Zr-95	-4.88E-01	1.94E+00	6.40E+00	U
WD	LTW	480211026	5/22/2019	I-131	-8.85E-01	1.99E-01	7.10E-01	U
WD	STJ	481223023	6/5/2019	Ac-228	-3.05E+00	5.40E+00	1.73E+01	U
WD	STJ	481223023	6/5/2019	Ag-108m	-1.46E+00	1.28E+00	3.62E+00	U
WD	STJ	481223023	6/5/2019	Ag-110m	1.83E+00	1.70E+00	6.02E+00	U
WD	STJ	481223023	6/5/2019	Ba-140	4.65E+00	6.41E+00	2.13E+01	U
WD	STJ	481223023	6/5/2019	Be-7	-1.16E+01	1.20E+01	3.46E+01	U
WD	STJ	481223023	6/5/2019	BETA	2.09E-01	1.03E+00	3.35E+00	U
WD	STJ	481223023	6/5/2019	Ce-141	2.26E+00	2.53E+00	8.63E+00	U
WD	STJ	481223023	6/5/2019	Ce-144	3.54E+00	9.57E+00	3.27E+01	U
WD	STJ	481223023	6/5/2019	Co-57	-1.65E-01	1.22E+00	4.10E+00	U
WD	STJ	481223023	6/5/2019	Co-58	-7.53E-01	1.45E+00	4.62E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	481223023	6/5/2019	Co-60	1.37E+00	1.42E+00	5.01E+00	U
WD	STJ	481223023	6/5/2019	Cr-51	4.69E+00	1.29E+01	4.30E+01	U
WD	STJ	481223023	6/5/2019	Cs-134	-4.52E-01	1.35E+00	4.36E+00	U
WD	STJ	481223023	6/5/2019	Cs-137	1.45E+00	1.24E+00	4.44E+00	U
WD	STJ	481223023	6/5/2019	Fe-59	8.89E-01	2.85E+00	9.59E+00	U
WD	STJ	481223023	6/5/2019	I-131	3.78E+00	2.23E+00	7.45E+00	U
WD	STJ	481223023	6/5/2019	K-40	-3.62E+01	1.99E+01	5.33E+01	U
WD	STJ	481223023	6/5/2019	La-140	7.57E-01	1.58E+00	5.69E+00	U
WD	STJ	481223023	6/5/2019	Mn-54	1.26E+00	1.36E+00	4.76E+00	U
WD	STJ	481223023	6/5/2019	Nb-95	-9.87E-01	1.30E+00	4.00E+00	U
WD	STJ	481223023	6/5/2019	Ru-103	-2.83E+00	1.74E+00	4.47E+00	U
WD	STJ	481223023	6/5/2019	Ru-106	-1.57E+00	1.41E+01	4.17E+01	U
WD	STJ	481223023	6/5/2019	Sb-124	-2.09E+00	2.75E+00	8.02E+00	U
WD	STJ	481223023	6/5/2019	Sb-125	6.02E+00	3.66E+00	1.23E+01	U
WD	STJ	481223023	6/5/2019	Se-75	3.05E+00	1.88E+00	6.25E+00	U
WD	STJ	481223023	6/5/2019	Th-228	3.15E+00	5.04E+00	1.02E+01	U
WD	STJ	481223023	6/5/2019	Zn-65	1.26E+00	2.56E+00	7.95E+00	U
WD	STJ	481223023	6/5/2019	Zr-95	1.38E+00	2.23E+00	7.78E+00	U
WD	STJ	481223024	6/5/2019	I-131	-1.94E-02	2.19E-01	7.24E-01	U
WD	LTW	481223025	6/5/2019	Ac-228	5.96E+00	6.06E+00	2.07E+01	U
WD	LTW	481223025	6/5/2019	Ag-108m	2.38E+00	1.27E+00	3.54E+00	U
WD	LTW	481223025	6/5/2019	Ag-110m	8.73E-02	1.77E+00	5.69E+00	U
WD	LTW	481223025	6/5/2019	Ba-140	3.33E+00	6.25E+00	1.96E+01	U
WD	LTW	481223025	6/5/2019	Be-7	-4.97E+00	1.14E+01	3.64E+01	U
WD	LTW	481223025	6/5/2019	BETA	1.71E+00	9.76E-01	2.71E+00	U
WD	LTW	481223025	6/5/2019	Ce-141	-2.84E+00	2.82E+00	7.68E+00	U
WD	LTW	481223025	6/5/2019	Ce-144	-1.78E-01	9.01E+00	2.88E+01	U
WD	LTW	481223025	6/5/2019	Co-57	2.94E+00	1.61E+00	3.18E+00	U
WD	LTW	481223025	6/5/2019	Co-58	-3.80E-01	1.26E+00	3.89E+00	U
WD	LTW	481223025	6/5/2019	Co-60	1.07E-01	1.32E+00	4.44E+00	U
WD	LTW	481223025	6/5/2019	Cr-51	6.58E+00	1.25E+01	4.35E+01	U
WD	LTW	481223025	6/5/2019	Cs-134	-7.08E-01	1.71E+00	5.26E+00	U
WD	LTW	481223025	6/5/2019	Cs-137	-1.32E+00	1.61E+00	4.27E+00	U
WD	LTW	481223025	6/5/2019	Fe-59	-6.11E+00	2.95E+00	5.84E+00	U
WD	LTW	481223025	6/5/2019	I-131	-1.27E+00	2.33E+00	7.52E+00	U
WD	LTW	481223025	6/5/2019	K-40	5.06E+00	2.22E+01	7.90E+01	U
WD	LTW	481223025	6/5/2019	La-140	-2.31E-02	1.90E+00	6.22E+00	U
WD	LTW	481223025	6/5/2019	Mn-54	-2.24E+00	1.45E+00	3.46E+00	U
WD	LTW	481223025	6/5/2019	Nb-95	4.45E-01	1.33E+00	4.44E+00	U
WD	LTW	481223025	6/5/2019	Ru-103	4.64E-01	1.20E+00	3.74E+00	U
WD	LTW	481223025	6/5/2019	Ru-106	-9.77E+00	1.17E+01	3.45E+01	U
WD	LTW	481223025	6/5/2019	Sb-124	3.92E+00	4.27E+00	1.52E+01	U
WD	LTW	481223025	6/5/2019	Sb-125	-2.02E+00	3.26E+00	1.02E+01	U
WD	LTW	481223025	6/5/2019	Se-75	6.09E-02	1.82E+00	6.25E+00	U
WD	LTW	481223025	6/5/2019	Th-228	6.49E+00	4.94E+00	8.26E+00	U
WD	LTW	481223025	6/5/2019	Zn-65	1.02E+00	2.48E+00	8.76E+00	U
WD	LTW	481223025	6/5/2019	Zr-95	2.21E+00	2.07E+00	7.30E+00	U
WD	LTW	481223026	6/5/2019	I-131	4.98E-01	2.62E-01	7.46E-01	U
WD	STJ	482655023	6/19/2019	Ac-228	-2.65E+00	4.37E+00	8.40E+00	U
WD	STJ	482655023	6/19/2019	Ag-108m	-1.21E-02	4.49E-01	1.48E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	482655023	6/19/2019	Ag-110m	1.43E-01	7.38E-01	2.38E+00	U
WD	STJ	482655023	6/19/2019	Ba-140	6.85E-01	2.53E+00	8.35E+00	U
WD	STJ	482655023	6/19/2019	Be-7	3.72E+00	4.34E+00	1.44E+01	U
WD	STJ	482655023	6/19/2019	BETA	9.19E-02	1.08E+00	3.54E+00	U
WD	STJ	482655023	6/19/2019	Ce-141	4.02E-01	1.06E+00	3.29E+00	U
WD	STJ	482655023	6/19/2019	Ce-144	-2.81E-01	3.65E+00	1.25E+01	U
WD	STJ	482655023	6/19/2019	Co-57	6.14E-01	4.98E-01	1.67E+00	U
WD	STJ	482655023	6/19/2019	Co-58	-8.81E-01	5.61E-01	1.54E+00	U
WD	STJ	482655023	6/19/2019	Co-60	-6.85E-01	5.62E-01	1.69E+00	U
WD	STJ	482655023	6/19/2019	Cr-51	-3.70E+00	5.89E+00	1.65E+01	U
WD	STJ	482655023	6/19/2019	Cs-134	-4.76E-01	5.44E-01	1.64E+00	U
WD	STJ	482655023	6/19/2019	Cs-137	1.16E+00	1.32E+00	1.84E+00	U
WD	STJ	482655023	6/19/2019	Fe-59	1.04E-01	9.82E-01	3.36E+00	U
WD	STJ	482655023	6/19/2019	I-131	-4.73E-01	8.43E-01	2.74E+00	U
WD	STJ	482655023	6/19/2019	K-40	-3.54E+01	1.47E+01	2.32E+01	U
WD	STJ	482655023	6/19/2019	La-140	3.82E-01	8.65E-01	2.94E+00	U
WD	STJ	482655023	6/19/2019	Mn-54	-1.52E+00	1.09E+00	1.61E+00	U
WD	STJ	482655023	6/19/2019	Nb-95	-6.72E-01	5.48E-01	1.60E+00	U
WD	STJ	482655023	6/19/2019	Ru-103	8.73E-02	5.50E-01	1.82E+00	U
WD	STJ	482655023	6/19/2019	Ru-106	-1.53E-01	4.37E+00	1.42E+01	U
WD	STJ	482655023	6/19/2019	Sb-124	-3.18E+00	2.13E+00	4.38E+00	U
WD	STJ	482655023	6/19/2019	Sb-125	-1.64E+00	1.46E+00	4.51E+00	U
WD	STJ	482655023	6/19/2019	Se-75	-3.23E-01	6.88E-01	2.28E+00	U
WD	STJ	482655023	6/19/2019	Th-228	1.79E+00	2.10E+00	3.17E+00	U
WD	STJ	482655023	6/19/2019	Zn-65	3.39E+00	1.11E+00	3.47E+00	U
WD	STJ	482655023	6/19/2019	Zr-95	1.28E+00	9.76E-01	3.17E+00	U
WD	STJ	482655024	6/19/2019	I-131	-2.36E-01	2.16E-01	7.69E-01	U
WD	LTW	482655025	6/19/2019	Ac-228	2.83E+00	4.19E+00	8.05E+00	U
WD	LTW	482655025	6/19/2019	Ag-108m	-2.18E-03	4.25E-01	1.38E+00	U
WD	LTW	482655025	6/19/2019	Ag-110m	-9.43E-02	7.43E-01	2.14E+00	U
WD	LTW	482655025	6/19/2019	Ba-140	-2.20E+00	2.43E+00	7.31E+00	U
WD	LTW	482655025	6/19/2019	Be-7	2.68E+00	4.42E+00	1.44E+01	U
WD	LTW	482655025	6/19/2019	BETA	2.91E+00	1.20E+00	3.24E+00	U
WD	LTW	482655025	6/19/2019	Ce-141	7.85E+00	2.34E+00	2.66E+00	UI
WD	LTW	482655025	6/19/2019	Ce-144	-2.74E+00	3.46E+00	1.05E+01	U
WD	LTW	482655025	6/19/2019	Co-57	1.93E-01	4.54E-01	1.44E+00	U
WD	LTW	482655025	6/19/2019	Co-58	-1.45E-01	4.62E-01	1.52E+00	U
WD	LTW	482655025	6/19/2019	Co-60	2.44E-02	5.75E-01	1.85E+00	U
WD	LTW	482655025	6/19/2019	Cr-51	1.37E+00	4.37E+00	1.45E+01	U
WD	LTW	482655025	6/19/2019	Cs-134	1.35E+00	8.74E-01	1.92E+00	U
WD	LTW	482655025	6/19/2019	Cs-137	-4.16E-01	4.74E-01	1.52E+00	U
WD	LTW	482655025	6/19/2019	Fe-59	-9.28E-01	1.09E+00	3.35E+00	U
WD	LTW	482655025	6/19/2019	I-131	9.17E-01	8.64E-01	2.83E+00	U
WD	LTW	482655025	6/19/2019	K-40	-1.71E+01	1.03E+01	2.36E+01	U
WD	LTW	482655025	6/19/2019	La-140	-3.04E-01	8.04E-01	2.62E+00	U
WD	LTW	482655025	6/19/2019	Mn-54	-3.81E-01	4.75E-01	1.50E+00	U
WD	LTW	482655025	6/19/2019	Nb-95	4.59E-01	7.20E-01	1.77E+00	U
WD	LTW	482655025	6/19/2019	Ru-103	-1.40E+00	6.37E-01	1.61E+00	U
WD	LTW	482655025	6/19/2019	Ru-106	-1.47E+00	4.25E+00	1.42E+01	U
WD	LTW	482655025	6/19/2019	Sb-124	-1.20E+00	1.09E+00	3.21E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	482655025	6/19/2019	Sb-125	3.35E-01	1.33E+00	4.36E+00	U
WD	LTW	482655025	6/19/2019	Se-75	-7.62E-01	1.05E+00	2.21E+00	U
WD	LTW	482655025	6/19/2019	Th-228	1.17E+00	2.37E+00	4.07E+00	U
WD	LTW	482655025	6/19/2019	Zn-65	-1.22E+00	1.12E+00	3.32E+00	U
WD	LTW	482655025	6/19/2019	Zr-95	-4.35E-01	8.39E-01	2.74E+00	U
WD	LTW	482655026	6/19/2019	I-131	7.91E-02	2.35E-01	7.54E-01	U
WD	STJ	486653001	6/19/2019	H-3	-3.35E+01	1.31E+02	4.33E+02	U
WD	LTW	486653002	6/19/2019	H-3	-6.69E+01	1.30E+02	4.35E+02	U
WD	STJ	483958023	7/3/2019	Ac-228	-1.31E+01	6.21E+00	1.44E+01	U
WD	STJ	483958023	7/3/2019	Ag-108m	-8.87E-01	1.22E+00	3.65E+00	U
WD	STJ	483958023	7/3/2019	Ag-110m	-1.62E+00	2.55E+00	6.86E+00	U
WD	STJ	483958023	7/3/2019	Ba-140	-1.44E+00	5.99E+00	1.86E+01	U
WD	STJ	483958023	7/3/2019	Be-7	4.61E+00	1.12E+01	3.67E+01	U
WD	STJ	483958023	7/3/2019	BETA	1.39E+00	9.41E-01	2.67E+00	U
WD	STJ	483958023	7/3/2019	Ce-141	-3.84E+00	2.92E+00	8.34E+00	U
WD	STJ	483958023	7/3/2019	Ce-144	-2.74E+01	1.19E+01	3.01E+01	U
WD	STJ	483958023	7/3/2019	Co-57	1.22E+00	1.32E+00	4.50E+00	U
WD	STJ	483958023	7/3/2019	Co-58	6.32E-01	1.13E+00	3.94E+00	U
WD	STJ	483958023	7/3/2019	Co-60	4.48E-01	9.43E-01	3.30E+00	U
WD	STJ	483958023	7/3/2019	Cr-51	-6.99E+00	1.18E+01	3.67E+01	U
WD	STJ	483958023	7/3/2019	Cs-134	7.84E-01	1.29E+00	4.52E+00	U
WD	STJ	483958023	7/3/2019	Cs-137	1.18E+00	1.40E+00	4.92E+00	U
WD	STJ	483958023	7/3/2019	Fe-59	3.28E+00	2.45E+00	8.82E+00	U
WD	STJ	483958023	7/3/2019	I-131	1.65E+00	2.20E+00	7.35E+00	U
WD	STJ	483958023	7/3/2019	K-40	-3.89E+01	2.26E+01	6.05E+01	U
WD	STJ	483958023	7/3/2019	La-140	-2.96E+00	1.60E+00	2.85E+00	U
WD	STJ	483958023	7/3/2019	Mn-54	1.97E+00	1.20E+00	4.30E+00	U
WD	STJ	483958023	7/3/2019	Nb-95	1.25E+00	1.22E+00	3.98E+00	U
WD	STJ	483958023	7/3/2019	Ru-103	-1.93E+00	1.44E+00	3.84E+00	U
WD	STJ	483958023	7/3/2019	Ru-106	-1.44E+01	1.21E+01	3.56E+01	U
WD	STJ	483958023	7/3/2019	Sb-124	2.78E-01	2.30E+00	7.91E+00	U
WD	STJ	483958023	7/3/2019	Sb-125	-1.83E+00	3.63E+00	1.12E+01	U
WD	STJ	483958023	7/3/2019	Se-75	1.12E+00	1.83E+00	6.15E+00	U
WD	STJ	483958023	7/3/2019	Th-228	3.48E+00	4.92E+00	9.74E+00	U
WD	STJ	483958023	7/3/2019	Zn-65	1.31E+00	2.27E+00	7.19E+00	U
WD	STJ	483958023	7/3/2019	Zr-95	4.72E+00	3.04E+00	8.77E+00	U
WD	STJ	483958024	7/3/2019	I-131	-2.14E-02	2.51E-01	8.28E-01	U
WD	LTW	483958025	7/3/2019	Ac-228	1.19E+01	8.50E+00	1.95E+01	U
WD	LTW	483958025	7/3/2019	Ag-108m	-2.18E-01	7.73E-01	2.51E+00	U
WD	LTW	483958025	7/3/2019	Ag-110m	5.07E-01	1.44E+00	4.25E+00	U
WD	LTW	483958025	7/3/2019	Ba-140	-3.30E-01	5.12E+00	1.67E+01	U
WD	LTW	483958025	7/3/2019	Be-7	7.97E+00	9.65E+00	3.29E+01	U
WD	LTW	483958025	7/3/2019	BETA	8.41E-01	8.95E-01	2.71E+00	U
WD	LTW	483958025	7/3/2019	Ce-141	-2.50E-01	1.96E+00	5.59E+00	U
WD	LTW	483958025	7/3/2019	Ce-144	2.65E+00	6.78E+00	2.03E+01	U
WD	LTW	483958025	7/3/2019	Co-57	-1.60E+00	9.34E-01	2.49E+00	U
WD	LTW	483958025	7/3/2019	Co-58	1.08E+00	1.11E+00	3.77E+00	U
WD	LTW	483958025	7/3/2019	Co-60	-1.69E+00	1.12E+00	2.69E+00	U
WD	LTW	483958025	7/3/2019	Cr-51	2.21E+00	8.31E+00	2.85E+01	U
WD	LTW	483958025	7/3/2019	Cs-134	8.17E-01	1.08E+00	3.67E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	483958025	7/3/2019	Cs-137	1.22E+00	1.12E+00	3.82E+00	U
WD	LTW	483958025	7/3/2019	Fe-59	2.98E-01	1.98E+00	6.74E+00	U
WD	LTW	483958025	7/3/2019	I-131	1.72E-02	1.42E+00	4.76E+00	U
WD	LTW	483958025	7/3/2019	K-40	1.85E+01	1.65E+01	3.69E+01	U
WD	LTW	483958025	7/3/2019	La-140	1.29E+00	1.13E+00	4.27E+00	U
WD	LTW	483958025	7/3/2019	Mn-54	-1.60E-01	8.73E-01	2.72E+00	U
WD	LTW	483958025	7/3/2019	Nb-95	-8.17E-03	1.01E+00	3.23E+00	U
WD	LTW	483958025	7/3/2019	Ru-103	-1.83E+00	1.15E+00	3.07E+00	U
WD	LTW	483958025	7/3/2019	Ru-106	3.78E+00	8.35E+00	2.81E+01	U
WD	LTW	483958025	7/3/2019	Sb-124	-5.38E-02	1.38E+00	4.42E+00	U
WD	LTW	483958025	7/3/2019	Sb-125	1.95E+00	2.98E+00	1.02E+01	U
WD	LTW	483958025	7/3/2019	Se-75	-3.21E-01	1.27E+00	4.27E+00	U
WD	LTW	483958025	7/3/2019	Th-228	2.81E+00	3.10E+00	6.92E+00	U
WD	LTW	483958025	7/3/2019	Zn-65	1.63E+00	2.35E+00	8.24E+00	U
WD	LTW	483958025	7/3/2019	Zr-95	5.82E-01	2.01E+00	6.60E+00	U
WD	LTW	483958026	7/3/2019	I-131	-6.67E-01	2.07E-01	8.21E-01	U
WD	STJ	485066023	7/17/2019	Ac-228	-1.01E+01	5.95E+00	1.69E+01	U
WD	STJ	485066023	7/17/2019	Ag-108m	1.02E+00	1.05E+00	3.36E+00	U
WD	STJ	485066023	7/17/2019	Ag-110m	-2.38E+00	2.04E+00	5.45E+00	U
WD	STJ	485066023	7/17/2019	Ba-140	2.99E+00	4.84E+00	1.65E+01	U
WD	STJ	485066023	7/17/2019	Be-7	7.03E+00	9.53E+00	3.28E+01	U
WD	STJ	485066023	7/17/2019	BETA	1.12E+00	8.85E-01	2.59E+00	U
WD	STJ	485066023	7/17/2019	Ce-141	-1.05E+00	2.47E+00	7.30E+00	U
WD	STJ	485066023	7/17/2019	Ce-144	-3.60E+00	8.77E+00	2.91E+01	U
WD	STJ	485066023	7/17/2019	Co-57	-7.66E-03	1.17E+00	3.97E+00	U
WD	STJ	485066023	7/17/2019	Co-58	-1.45E-01	1.07E+00	3.40E+00	U
WD	STJ	485066023	7/17/2019	Co-60	2.79E-01	1.13E+00	3.96E+00	U
WD	STJ	485066023	7/17/2019	Cr-51	4.90E+00	1.06E+01	3.62E+01	U
WD	STJ	485066023	7/17/2019	Cs-134	-1.14E+00	1.26E+00	3.48E+00	U
WD	STJ	485066023	7/17/2019	Cs-137	-2.29E+00	1.71E+00	4.56E+00	U
WD	STJ	485066023	7/17/2019	Fe-59	-1.86E+00	3.24E+00	8.20E+00	U
WD	STJ	485066023	7/17/2019	I-131	3.23E+00	1.91E+00	6.43E+00	U
WD	STJ	485066023	7/17/2019	K-40	1.85E+01	1.93E+01	6.99E+01	U
WD	STJ	485066023	7/17/2019	La-140	-2.54E+00	1.97E+00	5.10E+00	U
WD	STJ	485066023	7/17/2019	Mn-54	2.07E+00	1.59E+00	5.47E+00	U
WD	STJ	485066023	7/17/2019	Nb-95	1.14E+00	1.13E+00	3.97E+00	U
WD	STJ	485066023	7/17/2019	Ru-103	-7.58E-01	1.21E+00	3.71E+00	U
WD	STJ	485066023	7/17/2019	Ru-106	-9.79E+00	1.24E+01	3.66E+01	U
WD	STJ	485066023	7/17/2019	Sb-124	-1.48E+00	3.19E+00	9.94E+00	U
WD	STJ	485066023	7/17/2019	Sb-125	-1.25E+00	3.06E+00	9.69E+00	U
WD	STJ	485066023	7/17/2019	Se-75	1.13E-01	1.73E+00	5.78E+00	U
WD	STJ	485066023	7/17/2019	Th-228	8.92E+00	5.59E+00	1.13E+01	U
WD	STJ	485066023	7/17/2019	Zn-65	-2.48E+00	2.42E+00	6.12E+00	U
WD	STJ	485066023	7/17/2019	Zr-95	-4.43E-01	2.26E+00	7.14E+00	U
WD	STJ	485066024	7/17/2019	I-131	-8.18E-02	2.42E-01	8.02E-01	U
WD	LTW	485066025	7/17/2019	Ac-228	1.50E+00	5.72E+00	1.87E+01	U
WD	LTW	485066025	7/17/2019	Ag-108m	-1.50E+00	1.11E+00	3.10E+00	U
WD	LTW	485066025	7/17/2019	Ag-110m	1.03E+00	1.54E+00	4.89E+00	U
WD	LTW	485066025	7/17/2019	Ba-140	-1.10E+01	6.23E+00	1.57E+01	U
WD	LTW	485066025	7/17/2019	Be-7	4.33E-01	1.04E+01	3.48E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	485066025	7/17/2019	BETA	1.57E+00	8.59E-01	2.37E+00	U
WD	LTW	485066025	7/17/2019	Ce-141	-4.43E+00	2.82E+00	6.92E+00	U
WD	LTW	485066025	7/17/2019	Ce-144	2.25E+00	1.05E+01	3.12E+01	U
WD	LTW	485066025	7/17/2019	Co-57	1.47E+00	1.37E+00	4.18E+00	U
WD	LTW	485066025	7/17/2019	Co-58	-1.19E+00	1.34E+00	3.77E+00	U
WD	LTW	485066025	7/17/2019	Co-60	4.07E-01	6.70E-01	2.56E+00	U
WD	LTW	485066025	7/17/2019	Cr-51	4.66E+00	1.13E+01	3.90E+01	U
WD	LTW	485066025	7/17/2019	Cs-134	1.70E+00	1.48E+00	5.16E+00	U
WD	LTW	485066025	7/17/2019	Cs-137	-2.08E+00	1.21E+00	2.68E+00	U
WD	LTW	485066025	7/17/2019	Fe-59	-2.18E+00	2.16E+00	6.05E+00	U
WD	LTW	485066025	7/17/2019	I-131	-1.77E+00	1.67E+00	5.04E+00	U
WD	LTW	485066025	7/17/2019	K-40	-3.50E+01	2.20E+01	6.52E+01	U
WD	LTW	485066025	7/17/2019	La-140	-2.14E+00	1.82E+00	4.50E+00	U
WD	LTW	485066025	7/17/2019	Mn-54	-3.74E-01	1.22E+00	3.75E+00	U
WD	LTW	485066025	7/17/2019	Nb-95	5.00E-01	1.05E+00	3.57E+00	U
WD	LTW	485066025	7/17/2019	Ru-103	2.53E+00	1.43E+00	4.63E+00	U
WD	LTW	485066025	7/17/2019	Ru-106	9.21E+00	1.14E+01	3.93E+01	U
WD	LTW	485066025	7/17/2019	Sb-124	-3.21E+00	3.70E+00	1.03E+01	U
WD	LTW	485066025	7/17/2019	Sb-125	-2.12E+00	3.62E+00	1.15E+01	U
WD	LTW	485066025	7/17/2019	Se-75	-5.41E-01	1.84E+00	5.54E+00	U
WD	LTW	485066025	7/17/2019	Th-228	2.04E+00	4.01E+00	1.00E+01	U
WD	LTW	485066025	7/17/2019	Zn-65	1.66E+00	2.41E+00	8.71E+00	U
WD	LTW	485066025	7/17/2019	Zr-95	-1.99E+00	2.39E+00	6.86E+00	U
WD	LTW	485066026	7/17/2019	I-131	-4.50E-02	1.67E-01	5.53E-01	U
WD	STJ	486499023	7/31/2019	Ac-228	-7.08E+00	5.53E+00	1.64E+01	U
WD	STJ	486499023	7/31/2019	Ag-108m	9.07E-01	9.80E-01	3.42E+00	U
WD	STJ	486499023	7/31/2019	Ag-110m	5.91E-01	1.40E+00	4.69E+00	U
WD	STJ	486499023	7/31/2019	Ba-140	2.82E+00	4.11E+00	1.44E+01	U
WD	STJ	486499023	7/31/2019	Be-7	1.07E+01	8.07E+00	2.84E+01	U
WD	STJ	486499023	7/31/2019	BETA	2.07E+00	1.03E+00	2.84E+00	U
WD	STJ	486499023	7/31/2019	Ce-141	-7.20E-01	1.77E+00	5.57E+00	U
WD	STJ	486499023	7/31/2019	Ce-144	1.01E+01	6.84E+00	2.24E+01	U
WD	STJ	486499023	7/31/2019	Co-57	8.08E-01	8.33E-01	2.77E+00	U
WD	STJ	486499023	7/31/2019	Co-58	2.13E-01	8.85E-01	2.67E+00	U
WD	STJ	486499023	7/31/2019	Co-60	1.70E+00	1.10E+00	4.09E+00	U
WD	STJ	486499023	7/31/2019	Cr-51	-7.56E+00	8.65E+00	2.43E+01	U
WD	STJ	486499023	7/31/2019	Cs-134	-9.53E-01	1.11E+00	3.23E+00	U
WD	STJ	486499023	7/31/2019	Cs-137	1.27E-01	8.22E-01	2.76E+00	U
WD	STJ	486499023	7/31/2019	Fe-59	-1.05E+00	1.57E+00	4.36E+00	U
WD	STJ	486499023	7/31/2019	I-131	-3.25E-01	1.37E+00	4.61E+00	U
WD	STJ	486499023	7/31/2019	K-40	-2.27E+01	1.56E+01	4.55E+01	U
WD	STJ	486499023	7/31/2019	La-140	1.24E+00	1.54E+00	5.58E+00	U
WD	STJ	486499023	7/31/2019	Mn-54	-6.51E-01	9.40E-01	2.78E+00	U
WD	STJ	486499023	7/31/2019	Nb-95	-5.27E-01	1.18E+00	3.22E+00	U
WD	STJ	486499023	7/31/2019	Ru-103	-6.44E-01	8.98E-01	2.80E+00	U
WD	STJ	486499023	7/31/2019	Ru-106	4.54E+00	8.05E+00	2.78E+01	U
WD	STJ	486499023	7/31/2019	Sb-124	-1.44E+00	2.19E+00	6.38E+00	U
WD	STJ	486499023	7/31/2019	Sb-125	-4.97E+00	2.64E+00	6.68E+00	U
WD	STJ	486499023	7/31/2019	Se-75	2.16E+00	1.45E+00	4.70E+00	U
WD	STJ	486499023	7/31/2019	Th-228	4.97E+00	3.12E+00	8.04E+00	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	486499023	7/31/2019	Zn-65	-3.36E-01	2.21E+00	6.07E+00	U
WD	STJ	486499023	7/31/2019	Zr-95	-7.67E-01	1.87E+00	5.86E+00	U
WD	STJ	486499024	7/31/2019	I-131	3.98E-01	2.35E-01	7.42E-01	U
WD	LTW	486499025	7/31/2019	Ac-228	-3.97E+00	5.61E+00	1.75E+01	U
WD	LTW	486499025	7/31/2019	Ag-108m	4.71E-01	9.02E-01	3.13E+00	U
WD	LTW	486499025	7/31/2019	Ag-110m	1.76E-01	1.69E+00	5.47E+00	U
WD	LTW	486499025	7/31/2019	Ba-140	6.84E-01	4.85E+00	1.63E+01	U
WD	LTW	486499025	7/31/2019	Be-7	1.76E+00	8.80E+00	2.99E+01	U
WD	LTW	486499025	7/31/2019	BETA	3.25E+00	1.21E+00	3.26E+00	U
WD	LTW	486499025	7/31/2019	Ce-141	4.22E+00	3.58E+00	5.95E+00	U
WD	LTW	486499025	7/31/2019	Ce-144	5.78E-01	7.25E+00	2.36E+01	U
WD	LTW	486499025	7/31/2019	Co-57	-9.07E-02	9.74E-01	3.15E+00	U
WD	LTW	486499025	7/31/2019	Co-58	5.76E-01	1.37E+00	4.21E+00	U
WD	LTW	486499025	7/31/2019	Co-60	-7.60E-01	1.22E+00	3.73E+00	U
WD	LTW	486499025	7/31/2019	Cr-51	-5.96E+00	1.11E+01	3.25E+01	U
WD	LTW	486499025	7/31/2019	Cs-134	1.06E+00	1.08E+00	3.79E+00	U
WD	LTW	486499025	7/31/2019	Cs-137	3.02E+00	1.34E+00	4.55E+00	U
WD	LTW	486499025	7/31/2019	Fe-59	1.45E+00	1.95E+00	7.08E+00	U
WD	LTW	486499025	7/31/2019	I-131	9.28E-01	1.65E+00	5.75E+00	U
WD	LTW	486499025	7/31/2019	K-40	-1.66E+01	1.60E+01	5.32E+01	U
WD	LTW	486499025	7/31/2019	La-140	5.57E-01	1.50E+00	5.20E+00	U
WD	LTW	486499025	7/31/2019	Mn-54	1.91E+00	1.59E+00	2.70E+00	U
WD	LTW	486499025	7/31/2019	Nb-95	-7.14E-01	1.49E+00	3.87E+00	U
WD	LTW	486499025	7/31/2019	Ru-103	-2.36E+00	1.16E+00	2.68E+00	U
WD	LTW	486499025	7/31/2019	Ru-106	-2.48E+01	1.21E+01	2.77E+01	U
WD	LTW	486499025	7/31/2019	Sb-124	1.30E+00	2.99E+00	1.03E+01	U
WD	LTW	486499025	7/31/2019	Sb-125	-5.81E-02	2.58E+00	8.68E+00	U
WD	LTW	486499025	7/31/2019	Se-75	-1.12E+00	1.65E+00	4.86E+00	U
WD	LTW	486499025	7/31/2019	Th-228	1.67E+00	3.81E+00	6.21E+00	U
WD	LTW	486499025	7/31/2019	Zn-65	9.91E-01	2.11E+00	6.78E+00	U
WD	LTW	486499025	7/31/2019	Zr-95	4.22E-01	1.88E+00	6.24E+00	U
WD	LTW	486499026	7/31/2019	I-131	-5.63E-01	2.19E-01	7.61E-01	U
WD	STJ	487952023	8/14/2019	Ac-228	-3.85E+00	5.36E+00	1.50E+01	U
WD	STJ	487952023	8/14/2019	Ag-108m	5.01E-02	9.36E-01	3.14E+00	U
WD	STJ	487952023	8/14/2019	Ag-110m	-3.37E-01	1.78E+00	5.53E+00	U
WD	STJ	487952023	8/14/2019	Ba-140	7.41E+00	6.49E+00	2.24E+01	U
WD	STJ	487952023	8/14/2019	Be-7	-3.51E+00	9.67E+00	3.12E+01	U
WD	STJ	487952023	8/14/2019	BETA	1.33E+00	1.08E+00	3.26E+00	U
WD	STJ	487952023	8/14/2019	Ce-141	-1.37E+00	1.88E+00	5.75E+00	U
WD	STJ	487952023	8/14/2019	Ce-144	9.56E-01	6.38E+00	2.08E+01	U
WD	STJ	487952023	8/14/2019	Co-57	4.90E-03	7.53E-01	2.45E+00	U
WD	STJ	487952023	8/14/2019	Co-58	-8.45E-01	1.40E+00	4.18E+00	U
WD	STJ	487952023	8/14/2019	Co-60	1.31E-02	1.17E+00	3.86E+00	U
WD	STJ	487952023	8/14/2019	Cr-51	1.30E+01	1.01E+01	3.50E+01	U
WD	STJ	487952023	8/14/2019	Cs-134	1.09E+00	1.52E+00	5.09E+00	U
WD	STJ	487952023	8/14/2019	Cs-137	1.39E+00	1.23E+00	4.26E+00	U
WD	STJ	487952023	8/14/2019	Fe-59	2.42E-01	2.11E+00	6.37E+00	U
WD	STJ	487952023	8/14/2019	I-131	-4.19E+00	2.19E+00	5.68E+00	U
WD	STJ	487952023	8/14/2019	K-40	2.64E+01	1.63E+01	2.95E+01	U
WD	STJ	487952023	8/14/2019	La-140	3.16E-01	1.95E+00	6.50E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	487952023	8/14/2019	Mn-54	6.01E-01	1.20E+00	3.98E+00	U
WD	STJ	487952023	8/14/2019	Nb-95	-1.24E+00	1.39E+00	3.99E+00	U
WD	STJ	487952023	8/14/2019	Ru-103	-1.37E+00	1.17E+00	3.36E+00	U
WD	STJ	487952023	8/14/2019	Ru-106	-6.88E-01	1.03E+01	3.32E+01	U
WD	STJ	487952023	8/14/2019	Sb-124	-2.75E+00	3.56E+00	1.01E+01	U
WD	STJ	487952023	8/14/2019	Sb-125	-4.61E+00	2.67E+00	6.83E+00	U
WD	STJ	487952023	8/14/2019	Se-75	-1.62E+00	1.54E+00	4.32E+00	U
WD	STJ	487952023	8/14/2019	Th-228	7.19E+00	4.21E+00	7.97E+00	U
WD	STJ	487952023	8/14/2019	Zn-65	-6.29E+00	2.83E+00	5.43E+00	U
WD	STJ	487952023	8/14/2019	Zr-95	2.19E+00	2.10E+00	7.27E+00	U
WD	STJ	487952024	8/14/2019	I-131	-2.19E-01	2.20E-01	7.54E-01	U
WD	LTW	487952025	8/14/2019	Ac-228	1.59E-01	5.99E+00	1.92E+01	U
WD	LTW	487952025	8/14/2019	Ag-108m	-4.12E-01	1.05E+00	3.30E+00	U
WD	LTW	487952025	8/14/2019	Ag-110m	2.62E+00	1.50E+00	5.55E+00	U
WD	LTW	487952025	8/14/2019	Ba-140	3.57E+00	6.25E+00	2.10E+01	U
WD	LTW	487952025	8/14/2019	Be-7	-1.32E+00	1.04E+01	3.32E+01	U
WD	LTW	487952025	8/14/2019	BETA	1.68E+00	1.09E+00	3.19E+00	U
WD	LTW	487952025	8/14/2019	Ce-141	-7.36E+00	2.91E+00	5.87E+00	U
WD	LTW	487952025	8/14/2019	Ce-144	-7.60E+00	7.84E+00	2.35E+01	U
WD	LTW	487952025	8/14/2019	Co-57	-8.68E-01	1.03E+00	3.16E+00	U
WD	LTW	487952025	8/14/2019	Co-58	1.16E-01	1.37E+00	4.58E+00	U
WD	LTW	487952025	8/14/2019	Co-60	8.99E-01	1.43E+00	5.07E+00	U
WD	LTW	487952025	8/14/2019	Cr-51	5.25E+00	1.09E+01	3.74E+01	U
WD	LTW	487952025	8/14/2019	Cs-134	1.15E+00	1.30E+00	4.62E+00	U
WD	LTW	487952025	8/14/2019	Cs-137	-4.08E-01	1.18E+00	3.84E+00	U
WD	LTW	487952025	8/14/2019	Fe-59	3.53E+00	2.82E+00	1.00E+01	U
WD	LTW	487952025	8/14/2019	I-131	-5.01E+00	2.59E+00	6.37E+00	U
WD	LTW	487952025	8/14/2019	K-40	-2.31E+01	1.74E+01	5.19E+01	U
WD	LTW	487952025	8/14/2019	La-140	1.54E+00	2.39E+00	8.98E+00	U
WD	LTW	487952025	8/14/2019	Mn-54	-7.80E-01	1.35E+00	4.17E+00	U
WD	LTW	487952025	8/14/2019	Nb-95	-5.19E-01	1.58E+00	4.42E+00	U
WD	LTW	487952025	8/14/2019	Ru-103	-3.01E+00	1.58E+00	3.65E+00	U
WD	LTW	487952025	8/14/2019	Ru-106	6.38E+00	1.55E+01	4.41E+01	U
WD	LTW	487952025	8/14/2019	Sb-124	-1.87E+00	3.83E+00	1.14E+01	U
WD	LTW	487952025	8/14/2019	Sb-125	-4.68E-01	3.54E+00	1.15E+01	U
WD	LTW	487952025	8/14/2019	Se-75	-1.85E+00	1.48E+00	4.42E+00	U
WD	LTW	487952025	8/14/2019	Th-228	5.07E+00	4.74E+00	8.35E+00	U
WD	LTW	487952025	8/14/2019	Zn-65	2.71E-01	2.32E+00	7.56E+00	U
WD	LTW	487952025	8/14/2019	Zr-95	-1.94E-01	2.02E+00	6.64E+00	U
WD	LTW	487952026	8/14/2019	I-131	4.10E-01	2.45E-01	7.51E-01	U
WD	STJ	489048023	8/28/2019	Ac-228	1.17E+01	3.75E+00	1.14E+01	UI
WD	STJ	489048023	8/28/2019	Ag-108m	2.83E-01	6.77E-01	2.30E+00	U
WD	STJ	489048023	8/28/2019	Ag-110m	1.74E+00	1.06E+00	3.58E+00	U
WD	STJ	489048023	8/28/2019	Ba-140	5.73E+00	4.07E+00	1.37E+01	U
WD	STJ	489048023	8/28/2019	Be-7	8.19E+00	7.10E+00	2.40E+01	U
WD	STJ	489048023	8/28/2019	BETA	2.13E+00	9.78E-01	2.65E+00	U
WD	STJ	489048023	8/28/2019	Ce-141	-1.77E+00	1.53E+00	3.53E+00	U
WD	STJ	489048023	8/28/2019	Ce-144	8.34E+00	4.89E+00	1.54E+01	U
WD	STJ	489048023	8/28/2019	Co-57	-1.34E-01	5.29E-01	1.70E+00	U
WD	STJ	489048023	8/28/2019	Co-58	1.84E-02	6.50E-01	2.08E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	489048023	8/28/2019	Co-60	1.11E+00	7.28E-01	2.63E+00	U
WD	STJ	489048023	8/28/2019	Cr-51	-3.44E+00	6.13E+00	2.02E+01	U
WD	STJ	489048023	8/28/2019	Cs-134	4.89E-02	9.01E-01	2.90E+00	U
WD	STJ	489048023	8/28/2019	Cs-137	-6.11E-01	8.43E-01	2.56E+00	U
WD	STJ	489048023	8/28/2019	Fe-59	-5.68E-01	1.79E+00	5.86E+00	U
WD	STJ	489048023	8/28/2019	I-131	4.83E-02	1.13E+00	3.83E+00	U
WD	STJ	489048023	8/28/2019	K-40	2.83E+01	1.91E+01	2.33E+01	UI
WD	STJ	489048023	8/28/2019	La-140	-4.04E+00	1.71E+00	3.13E+00	U
WD	STJ	489048023	8/28/2019	Mn-54	1.53E-02	7.79E-01	2.49E+00	U
WD	STJ	489048023	8/28/2019	Nb-95	7.26E-02	8.23E-01	2.66E+00	U
WD	STJ	489048023	8/28/2019	Ru-103	-8.40E-01	8.11E-01	2.45E+00	U
WD	STJ	489048023	8/28/2019	Ru-106	-6.09E+00	7.47E+00	2.27E+01	U
WD	STJ	489048023	8/28/2019	Sb-124	2.78E+00	2.34E+00	8.10E+00	U
WD	STJ	489048023	8/28/2019	Sb-125	1.45E+00	1.87E+00	6.40E+00	U
WD	STJ	489048023	8/28/2019	Se-75	-8.92E-01	1.06E+00	2.80E+00	U
WD	STJ	489048023	8/28/2019	Th-228	3.26E+00	2.21E+00	4.96E+00	U
WD	STJ	489048023	8/28/2019	Zn-65	2.81E+00	1.72E+00	6.04E+00	U
WD	STJ	489048023	8/28/2019	Zr-95	-2.37E+00	1.73E+00	4.60E+00	U
WD	STJ	489048024	8/28/2019	I-131	-5.10E-01	2.63E-01	9.07E-01	U
WD	LTW	489048025	8/28/2019	Ac-228	6.21E+00	4.18E+00	1.43E+01	U
WD	LTW	489048025	8/28/2019	Ag-108m	3.58E-01	7.96E-01	2.68E+00	U
WD	LTW	489048025	8/28/2019	Ag-110m	1.19E+00	1.14E+00	4.00E+00	U
WD	LTW	489048025	8/28/2019	Ba-140	6.05E-01	4.42E+00	1.45E+01	U
WD	LTW	489048025	8/28/2019	Bc-7	2.44E+00	6.98E+00	2.33E+01	U
WD	LTW	489048025	8/28/2019	BETA	-2.61E-01	8.21E-01	2.75E+00	U
WD	LTW	489048025	8/28/2019	Ce-141	-3.17E+00	1.89E+00	4.52E+00	U
WD	LTW	489048025	8/28/2019	Ce-144	-1.09E+00	6.21E+00	1.98E+01	U
WD	LTW	489048025	8/28/2019	Co-57	-1.52E+00	8.98E-01	2.49E+00	U
WD	LTW	489048025	8/28/2019	Co-58	4.20E-01	8.45E-01	2.94E+00	U
WD	LTW	489048025	8/28/2019	Co-60	-1.02E+00	1.04E+00	2.93E+00	U
WD	LTW	489048025	8/28/2019	Cr-51	1.08E+01	8.17E+00	2.77E+01	U
WD	LTW	489048025	8/28/2019	Cs-134	3.90E-01	8.50E-01	2.96E+00	U
WD	LTW	489048025	8/28/2019	Cs-137	1.31E+00	1.00E+00	3.34E+00	U
WD	LTW	489048025	8/28/2019	Fe-59	-1.88E+00	2.07E+00	6.19E+00	U
WD	LTW	489048025	8/28/2019	I-131	5.26E-01	1.27E+00	4.32E+00	U
WD	LTW	489048025	8/28/2019	K-40	-6.59E+00	1.58E+01	4.32E+01	U
WD	LTW	489048025	8/28/2019	La-140	-1.62E+00	1.61E+00	4.77E+00	U
WD	LTW	489048025	8/28/2019	Mn-54	-1.74E+00	9.62E-01	2.53E+00	U
WD	LTW	489048025	8/28/2019	Nb-95	1.28E+00	8.66E-01	3.04E+00	U
WD	LTW	489048025	8/28/2019	Ru-103	3.17E-01	9.51E-01	3.16E+00	U
WD	LTW	489048025	8/28/2019	Ru-106	2.04E+00	7.40E+00	2.42E+01	U
WD	LTW	489048025	8/28/2019	Sb-124	4.54E+00	2.83E+00	9.38E+00	U
WD	LTW	489048025	8/28/2019	Sb-125	-2.83E+00	2.50E+00	7.49E+00	U
WD	LTW	489048025	8/28/2019	Se-75	-7.27E-01	1.19E+00	3.91E+00	U
WD	LTW	489048025	8/28/2019	Th-228	5.71E-01	2.90E+00	6.66E+00	U
WD	LTW	489048025	8/28/2019	Zn-65	5.44E+00	2.84E+00	9.44E+00	U
WD	LTW	489048025	8/28/2019	Zr-95	-6.46E-01	1.67E+00	5.51E+00	U
WD	LTW	489048026	8/28/2019	I-131	1.76E-02	2.95E-01	9.68E-01	U
WD	STJ	490127023	9/11/2019	Ac-228	-9.87E+00	5.84E+00	1.50E+01	U
WD	STJ	490127023	9/11/2019	Ag-108m	2.62E+00	1.17E+00	3.95E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	490127023	9/11/2019	Ag-110m	4.47E-01	1.67E+00	5.73E+00	U
WD	STJ	490127023	9/11/2019	Ba-140	7.18E-01	4.35E+00	1.30E+01	U
WD	STJ	490127023	9/11/2019	Be-7	-5.28E+00	1.31E+01	3.66E+01	U
WD	STJ	490127023	9/11/2019	BETA	9.80E-01	8.32E-01	2.47E+00	U
WD	STJ	490127023	9/11/2019	Ce-141	-2.02E+00	2.54E+00	7.17E+00	U
WD	STJ	490127023	9/11/2019	Ce-144	1.91E+00	8.57E+00	2.78E+01	U
WD	STJ	490127023	9/11/2019	Co-57	5.06E-01	1.07E+00	3.52E+00	U
WD	STJ	490127023	9/11/2019	Co-58	5.65E-01	1.07E+00	3.70E+00	U
WD	STJ	490127023	9/11/2019	Co-60	-1.28E+00	1.32E+00	3.46E+00	U
WD	STJ	490127023	9/11/2019	Cr-51	-7.80E-01	1.03E+01	3.46E+01	U
WD	STJ	490127023	9/11/2019	Cs-134	-1.30E-01	1.30E+00	4.35E+00	U
WD	STJ	490127023	9/11/2019	Cs-137	3.69E-01	1.32E+00	4.34E+00	U
WD	STJ	490127023	9/11/2019	Fe-59	8.77E+00	3.79E+00	1.02E+01	U
WD	STJ	490127023	9/11/2019	I-131	-8.73E-01	2.34E+00	7.61E+00	U
WD	STJ	490127023	9/11/2019	K-40	-2.18E+01	2.12E+01	6.21E+01	U
WD	STJ	490127023	9/11/2019	La-140	-3.39E+00	2.05E+00	4.26E+00	U
WD	STJ	490127023	9/11/2019	Mn-54	9.28E-01	1.17E+00	4.18E+00	U
WD	STJ	490127023	9/11/2019	Nb-95	-3.31E-01	1.49E+00	4.76E+00	U
WD	STJ	490127023	9/11/2019	Ru-103	-4.02E-01	1.31E+00	4.16E+00	U
WD	STJ	490127023	9/11/2019	Ru-106	3.18E+01	1.14E+01	2.38E+01	UI
WD	STJ	490127023	9/11/2019	Sb-124	-4.71E-01	3.42E+00	1.13E+01	U
WD	STJ	490127023	9/11/2019	Sb-125	2.98E+00	3.33E+00	1.15E+01	U
WD	STJ	490127023	9/11/2019	Se-75	1.10E+00	1.81E+00	6.29E+00	U
WD	STJ	490127023	9/11/2019	Th-228	5.57E+00	6.60E+00	9.18E+00	U
WD	STJ	490127023	9/11/2019	Zn-65	-6.00E-03	2.40E+00	7.92E+00	U
WD	STJ	490127023	9/11/2019	Zr-95	-1.60E+00	1.86E+00	5.57E+00	U
WD	STJ	490127024	9/11/2019	I-131	-9.60E-02	1.97E-01	6.52E-01	U
WD	LTW	490127025	9/11/2019	Ac-228	6.91E+00	3.15E+00	9.93E+00	U
WD	LTW	490127025	9/11/2019	Ag-108m	-4.25E-01	5.35E-01	1.69E+00	U
WD	LTW	490127025	9/11/2019	Ag-110m	2.17E+00	1.01E+00	3.22E+00	U
WD	LTW	490127025	9/11/2019	Ba-140	-2.68E+00	3.49E+00	1.09E+01	U
WD	LTW	490127025	9/11/2019	Be-7	-5.67E-02	5.14E+00	1.71E+01	U
WD	LTW	490127025	9/11/2019	BETA	1.85E+00	1.06E+00	3.07E+00	U
WD	LTW	490127025	9/11/2019	Ce-141	-1.82E+00	1.41E+00	3.39E+00	U
WD	LTW	490127025	9/11/2019	Ce-144	2.08E+00	4.31E+00	1.39E+01	U
WD	LTW	490127025	9/11/2019	Co-57	5.21E-01	5.75E-01	1.85E+00	U
WD	LTW	490127025	9/11/2019	Co-58	7.83E-02	6.58E-01	2.13E+00	U
WD	LTW	490127025	9/11/2019	Co-60	5.36E-01	6.55E-01	2.28E+00	U
WD	LTW	490127025	9/11/2019	Cr-51	5.32E+00	6.39E+00	2.19E+01	U
WD	LTW	490127025	9/11/2019	Cs-134	4.02E-01	7.50E-01	2.47E+00	U
WD	LTW	490127025	9/11/2019	Cs-137	-2.37E-01	6.25E-01	1.98E+00	U
WD	LTW	490127025	9/11/2019	Fe-59	-1.08E+00	1.45E+00	4.59E+00	U
WD	LTW	490127025	9/11/2019	I-131	1.42E+00	1.21E+00	4.09E+00	U
WD	LTW	490127025	9/11/2019	K-40	-6.44E+00	1.30E+01	3.78E+01	U
WD	LTW	490127025	9/11/2019	La-140	4.95E-01	1.03E+00	3.16E+00	U
WD	LTW	490127025	9/11/2019	Mn-54	-1.92E-01	6.23E-01	1.95E+00	U
WD	LTW	490127025	9/11/2019	Nb-95	2.08E-01	6.63E-01	2.17E+00	U
WD	LTW	490127025	9/11/2019	Ru-103	4.78E-02	6.58E-01	2.19E+00	U
WD	LTW	490127025	9/11/2019	Ru-106	-1.50E+00	5.89E+00	1.90E+01	U
WD	LTW	490127025	9/11/2019	Sb-124	-9.11E-01	2.23E+00	6.08E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	490127025	9/11/2019	Sb-125	-9.84E-01	1.60E+00	5.16E+00	U
WD	LTW	490127025	9/11/2019	Se-75	1.50E-01	8.03E-01	2.77E+00	U
WD	LTW	490127025	9/11/2019	Th-228	7.76E+00	3.95E+00	8.11E+00	U
WD	LTW	490127025	9/11/2019	Zn-65	5.11E-01	1.27E+00	4.38E+00	U
WD	LTW	490127025	9/11/2019	Zr-95	1.62E+00	1.12E+00	3.74E+00	U
WD	LTW	490127026	9/11/2019	I-131	-4.61E-01	2.29E-01	7.85E-01	U
WD	STJ	491476023	9/25/2019	Ac-228	-4.19E+00	4.64E+00	1.54E+01	U
WD	STJ	491476023	9/25/2019	Ag-108m	2.58E+00	1.30E+00	4.29E+00	U
WD	STJ	491476023	9/25/2019	Ag-110m	6.98E-01	1.45E+00	5.06E+00	U
WD	STJ	491476023	9/25/2019	Ba-140	-1.74E+00	7.00E+00	1.92E+01	U
WD	STJ	491476023	9/25/2019	Be-7	-7.06E+00	8.98E+00	2.71E+01	U
WD	STJ	491476023	9/25/2019	BETA	1.29E+00	1.09E+00	3.31E+00	U
WD	STJ	491476023	9/25/2019	Ce-141	7.97E-01	2.23E+00	7.23E+00	U
WD	STJ	491476023	9/25/2019	Ce-144	6.33E+00	7.38E+00	2.42E+01	U
WD	STJ	491476023	9/25/2019	Co-57	-1.58E-01	9.97E-01	3.19E+00	U
WD	STJ	491476023	9/25/2019	Co-58	3.27E-01	8.84E-01	3.11E+00	U
WD	STJ	491476023	9/25/2019	Co-60	-4.54E-01	1.17E+00	3.59E+00	U
WD	STJ	491476023	9/25/2019	Cr-51	-2.47E+00	9.71E+00	3.23E+01	U
WD	STJ	491476023	9/25/2019	Cs-134	-5.62E-01	9.65E-01	3.04E+00	U
WD	STJ	491476023	9/25/2019	Cs-137	-1.90E+00	1.29E+00	3.27E+00	U
WD	STJ	491476023	9/25/2019	Fe-59	7.32E-01	2.12E+00	7.29E+00	U
WD	STJ	491476023	9/25/2019	I-131	-3.64E-01	2.12E+00	7.00E+00	U
WD	STJ	491476023	9/25/2019	K-40	-6.94E+00	1.78E+01	6.18E+01	U
WD	STJ	491476023	9/25/2019	La-140	-2.50E-01	1.71E+00	5.35E+00	U
WD	STJ	491476023	9/25/2019	Mn-54	1.50E+00	1.23E+00	4.36E+00	U
WD	STJ	491476023	9/25/2019	Nb-95	-5.62E-01	1.05E+00	3.08E+00	U
WD	STJ	491476023	9/25/2019	Ru-103	-2.11E-01	1.12E+00	3.62E+00	U
WD	STJ	491476023	9/25/2019	Ru-106	6.42E+00	1.09E+01	3.31E+01	U
WD	STJ	491476023	9/25/2019	Sb-124	1.32E+00	2.61E+00	9.34E+00	U
WD	STJ	491476023	9/25/2019	Sb-125	-8.59E-01	3.09E+00	1.00E+01	U
WD	STJ	491476023	9/25/2019	Se-75	4.02E+00	1.89E+00	6.16E+00	U
WD	STJ	491476023	9/25/2019	Th-228	-5.53E-01	2.51E+00	8.30E+00	U
WD	STJ	491476023	9/25/2019	Zn-65	2.03E-02	2.29E+00	7.58E+00	U
WD	STJ	491476023	9/25/2019	Zr-95	-1.58E+00	2.04E+00	5.81E+00	U
WD	STJ	491476024	9/25/2019	I-131	-4.85E-01	1.62E-01	5.69E-01	U
WD	LTW	491476025	9/25/2019	Ac-228	9.57E+00	5.89E+00	2.00E+01	U
WD	LTW	491476025	9/25/2019	Ag-108m	2.51E-01	8.47E-01	2.85E+00	U
WD	LTW	491476025	9/25/2019	Ag-110m	2.55E-01	1.27E+00	4.36E+00	U
WD	LTW	491476025	9/25/2019	Ba-140	-2.24E+00	6.12E+00	1.70E+01	U
WD	LTW	491476025	9/25/2019	Be-7	-9.49E+00	9.29E+00	2.73E+01	U
WD	LTW	491476025	9/25/2019	BETA	7.31E-01	9.64E-01	3.06E+00	U
WD	LTW	491476025	9/25/2019	Ce-141	-4.84E-01	1.95E+00	5.57E+00	U
WD	LTW	491476025	9/25/2019	Ce-144	4.79E-02	6.71E+00	2.13E+01	U
WD	LTW	491476025	9/25/2019	Co-57	-3.34E-02	8.82E-01	2.81E+00	U
WD	LTW	491476025	9/25/2019	Co-58	7.48E-01	1.24E+00	3.92E+00	U
WD	LTW	491476025	9/25/2019	Co-60	-1.18E-02	1.37E+00	4.49E+00	U
WD	LTW	491476025	9/25/2019	Cr-51	7.66E+00	9.61E+00	3.31E+01	U
WD	LTW	491476025	9/25/2019	Cs-134	2.21E+00	1.15E+00	4.08E+00	U
WD	LTW	491476025	9/25/2019	Cs-137	-1.26E-01	1.25E+00	3.98E+00	U
WD	LTW	491476025	9/25/2019	Fe-59	5.26E-01	2.23E+00	7.07E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	491476025	9/25/2019	I-131	1.01E-01	2.02E+00	6.75E+00	U
WD	LTW	491476025	9/25/2019	K-40	-8.02E+00	1.53E+01	5.02E+01	U
WD	LTW	491476025	9/25/2019	La-140	-1.61E+00	1.79E+00	4.78E+00	U
WD	LTW	491476025	9/25/2019	Mn-54	4.34E-02	9.73E-01	3.31E+00	U
WD	LTW	491476025	9/25/2019	Nb-95	3.86E-01	1.05E+00	3.42E+00	U
WD	LTW	491476025	9/25/2019	Ru-103	-1.73E+00	1.22E+00	3.34E+00	U
WD	LTW	491476025	9/25/2019	Ru-106	1.79E+01	1.01E+01	3.42E+01	U
WD	LTW	491476025	9/25/2019	Sb-124	2.32E-01	2.41E+00	7.85E+00	U
WD	LTW	491476025	9/25/2019	Sb-125	7.11E-01	2.86E+00	9.56E+00	U
WD	LTW	491476025	9/25/2019	Se-75	2.14E+00	1.34E+00	4.58E+00	U
WD	LTW	491476025	9/25/2019	Th-228	6.94E-01	2.69E+00	7.42E+00	U
WD	LTW	491476025	9/25/2019	Zn-65	-3.94E+00	2.38E+00	5.85E+00	U
WD	LTW	491476025	9/25/2019	Zr-95	-8.11E-02	2.03E+00	6.43E+00	U
WD	LTW	491476026	9/25/2019	I-131	-4.00E-01	1.63E-01	5.70E-01	U
WD	STJ	495101001	9/25/2019	H-3	2.37E+02	1.23E+02	3.66E+02	U
WD	LTW	495101002	9/25/2019	H-3	1.50E+02	1.20E+02	3.70E+02	U
WD	STJ	492794023	10/9/2019	Ac-228	6.48E+00	4.93E+00	1.61E+01	U
WD	STJ	492794023	10/9/2019	Ag-108m	1.38E-04	1.05E+00	3.13E+00	U
WD	STJ	492794023	10/9/2019	Ag-110m	-1.27E+00	1.73E+00	4.99E+00	U
WD	STJ	492794023	10/9/2019	Ba-140	-5.65E+00	5.52E+00	1.61E+01	U
WD	STJ	492794023	10/9/2019	Be-7	1.48E+00	8.21E+00	2.77E+01	U
WD	STJ	492794023	10/9/2019	BETA	4.65E-01	7.87E-01	2.43E+00	U
WD	STJ	492794023	10/9/2019	Ce-141	8.88E-01	1.80E+00	5.85E+00	U
WD	STJ	492794023	10/9/2019	Ce-144	3.08E+00	7.06E+00	2.30E+01	U
WD	STJ	492794023	10/9/2019	Co-57	-3.43E-01	1.01E+00	3.18E+00	U
WD	STJ	492794023	10/9/2019	Co-58	1.51E+00	1.26E+00	4.38E+00	U
WD	STJ	492794023	10/9/2019	Co-60	-1.83E-01	1.24E+00	4.05E+00	U
WD	STJ	492794023	10/9/2019	Cr-51	-3.78E+00	9.05E+00	2.98E+01	U
WD	STJ	492794023	10/9/2019	Cs-134	1.35E+00	1.27E+00	4.41E+00	U
WD	STJ	492794023	10/9/2019	Cs-137	-2.29E+00	1.27E+00	2.92E+00	U
WD	STJ	492794023	10/9/2019	Fe-59	1.60E+00	2.56E+00	9.08E+00	U
WD	STJ	492794023	10/9/2019	I-131	-4.19E+00	2.10E+00	5.31E+00	U
WD	STJ	492794023	10/9/2019	K-40	2.60E+01	2.21E+01	5.41E+01	U
WD	STJ	492794023	10/9/2019	La-140	-1.07E+00	1.90E+00	5.66E+00	U
WD	STJ	492794023	10/9/2019	Mn-54	2.01E-01	1.00E+00	3.29E+00	U
WD	STJ	492794023	10/9/2019	Nb-95	-1.52E-01	1.24E+00	3.94E+00	U
WD	STJ	492794023	10/9/2019	Ru-103	-1.69E+00	1.29E+00	3.63E+00	U
WD	STJ	492794023	10/9/2019	Ru-106	1.29E+01	1.16E+01	3.99E+01	U
WD	STJ	492794023	10/9/2019	Sb-124	-1.43E+00	3.36E+00	1.03E+01	U
WD	STJ	492794023	10/9/2019	Sb-125	4.38E-01	3.40E+00	1.03E+01	U
WD	STJ	492794023	10/9/2019	Se-75	1.66E+00	1.46E+00	5.11E+00	U
WD	STJ	492794023	10/9/2019	Th-228	8.79E+00	4.11E+00	6.23E+00	UI
WD	STJ	492794023	10/9/2019	Zn-65	2.96E+00	2.60E+00	8.79E+00	U
WD	STJ	492794023	10/9/2019	Zr-95	4.58E-01	1.87E+00	6.20E+00	U
WD	STJ	492794024	10/9/2019	I-131	3.05E-01	2.64E-01	8.43E-01	U
WD	LTW	492794025	10/9/2019	Ac-228	-4.92E+00	4.88E+00	1.52E+01	U
WD	LTW	492794025	10/9/2019	Ag-108m	-1.13E+00	9.59E-01	2.77E+00	U
WD	LTW	492794025	10/9/2019	Ag-110m	1.97E+00	1.62E+00	5.78E+00	U
WD	LTW	492794025	10/9/2019	Ba-140	7.33E+00	5.41E+00	1.86E+01	U
WD	LTW	492794025	10/9/2019	Be-7	2.67E+00	1.02E+01	3.42E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	492794025	10/9/2019	BETA	2.06E+00	9.56E-01	2.68E+00	U
WD	LTW	492794025	10/9/2019	Ce-141	-3.36E+00	2.47E+00	6.68E+00	U
WD	LTW	492794025	10/9/2019	Ce-144	-5.97E+00	8.34E+00	2.56E+01	U
WD	LTW	492794025	10/9/2019	Co-57	-1.82E+00	1.10E+00	3.00E+00	U
WD	LTW	492794025	10/9/2019	Co-58	-3.56E+00	1.46E+00	2.95E+00	U
WD	LTW	492794025	10/9/2019	Co-60	2.14E+00	1.12E+00	4.20E+00	U
WD	LTW	492794025	10/9/2019	Cr-51	-5.79E+00	9.80E+00	3.17E+01	U
WD	LTW	492794025	10/9/2019	Cs-134	1.17E+00	1.06E+00	3.85E+00	U
WD	LTW	492794025	10/9/2019	Cs-137	-1.93E+00	1.32E+00	2.70E+00	U
WD	LTW	492794025	10/9/2019	Fe-59	-5.87E+00	3.11E+00	5.23E+00	U
WD	LTW	492794025	10/9/2019	I-131	-6.88E-01	1.61E+00	5.20E+00	U
WD	LTW	492794025	10/9/2019	K-40	-2.87E+01	1.64E+01	4.37E+01	U
WD	LTW	492794025	10/9/2019	La-140	-2.17E+00	1.80E+00	4.68E+00	U
WD	LTW	492794025	10/9/2019	Mn-54	8.04E-01	1.02E+00	3.65E+00	U
WD	LTW	492794025	10/9/2019	Nb-95	4.08E-02	1.11E+00	3.53E+00	U
WD	LTW	492794025	10/9/2019	Ru-103	1.73E+00	1.25E+00	4.27E+00	U
WD	LTW	492794025	10/9/2019	Ru-106	6.96E+00	9.98E+00	3.37E+01	U
WD	LTW	492794025	10/9/2019	Sb-124	-3.37E-01	2.46E+00	8.13E+00	U
WD	LTW	492794025	10/9/2019	Sb-125	-2.78E-01	3.43E+00	1.13E+01	U
WD	LTW	492794025	10/9/2019	Se-75	-1.43E+00	1.43E+00	4.49E+00	U
WD	LTW	492794025	10/9/2019	Th-228	6.06E+00	3.89E+00	8.48E+00	U
WD	LTW	492794025	10/9/2019	Zn-65	-1.44E+00	2.12E+00	6.34E+00	U
WD	LTW	492794025	10/9/2019	Zr-95	-1.69E+00	2.05E+00	5.81E+00	U
WD	LTW	492794026	10/9/2019	I-131	-1.50E-01	2.71E-01	9.03E-01	U
WD	STJ	494059023	10/23/2019	Ac-228	-1.32E+01	7.16E+00	1.69E+01	U
WD	STJ	494059023	10/23/2019	Ag-108m	-8.84E-02	1.40E+00	4.46E+00	U
WD	STJ	494059023	10/23/2019	Ag-110m	2.18E+00	1.93E+00	6.82E+00	U
WD	STJ	494059023	10/23/2019	Ba-140	-4.57E+00	6.78E+00	1.70E+01	U
WD	STJ	494059023	10/23/2019	Be-7	-9.79E+00	1.38E+01	4.10E+01	U
WD	STJ	494059023	10/23/2019	BETA	-8.61E-01	7.93E-01	2.82E+00	U
WD	STJ	494059023	10/23/2019	Ce-141	2.67E+00	2.67E+00	8.72E+00	U
WD	STJ	494059023	10/23/2019	Ce-144	1.39E+01	1.26E+01	3.89E+01	U
WD	STJ	494059023	10/23/2019	Co-57	3.17E-01	1.29E+00	4.40E+00	U
WD	STJ	494059023	10/23/2019	Co-58	2.49E+00	1.74E+00	4.14E+00	U
WD	STJ	494059023	10/23/2019	Co-60	6.32E-01	1.59E+00	5.34E+00	U
WD	STJ	494059023	10/23/2019	Cr-51	-1.66E+00	1.36E+01	4.40E+01	U
WD	STJ	494059023	10/23/2019	Cs-134	-4.76E-01	1.52E+00	4.89E+00	U
WD	STJ	494059023	10/23/2019	Cs-137	3.84E-01	1.68E+00	5.36E+00	U
WD	STJ	494059023	10/23/2019	Fe-59	-2.90E+00	3.75E+00	1.10E+01	U
WD	STJ	494059023	10/23/2019	I-131	-5.74E+00	2.66E+00	6.06E+00	U
WD	STJ	494059023	10/23/2019	K-40	-1.07E+01	2.18E+01	7.59E+01	U
WD	STJ	494059023	10/23/2019	La-140	-3.47E+00	2.80E+00	7.65E+00	U
WD	STJ	494059023	10/23/2019	Mn-54	-2.43E+00	1.68E+00	4.33E+00	U
WD	STJ	494059023	10/23/2019	Nb-95	-1.88E+00	1.51E+00	4.26E+00	U
WD	STJ	494059023	10/23/2019	Ru-103	-2.78E+00	1.80E+00	4.68E+00	U
WD	STJ	494059023	10/23/2019	Ru-106	-1.74E+01	1.61E+01	4.12E+01	U
WD	STJ	494059023	10/23/2019	Sb-124	1.74E+00	3.26E+00	1.16E+01	U
WD	STJ	494059023	10/23/2019	Sb-125	-2.21E+00	4.42E+00	1.36E+01	U
WD	STJ	494059023	10/23/2019	Se-75	-2.51E-01	2.11E+00	6.89E+00	U
WD	STJ	494059023	10/23/2019	Th-228	1.08E+01	7.42E+00	1.65E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	494059023	10/23/2019	Zn-65	-1.42E+00	3.16E+00	9.71E+00	U
WD	STJ	494059023	10/23/2019	Zr-95	-1.05E+00	2.22E+00	7.00E+00	U
WD	STJ	494059024	10/23/2019	I-131	2.35E-02	2.58E-01	8.45E-01	U
WD	LTW	494059025	10/23/2019	Ac-228	8.20E+00	9.02E+00	1.87E+01	U
WD	LTW	494059025	10/23/2019	Ag-108m	1.15E+00	1.02E+00	3.51E+00	U
WD	LTW	494059025	10/23/2019	Ag-110m	-4.03E-01	1.74E+00	5.72E+00	U
WD	LTW	494059025	10/23/2019	Ba-140	-2.02E+00	5.50E+00	1.72E+01	U
WD	LTW	494059025	10/23/2019	Be-7	3.77E+00	1.03E+01	3.46E+01	U
WD	LTW	494059025	10/23/2019	BETA	1.21E+00	9.69E-01	2.80E+00	U
WD	LTW	494059025	10/23/2019	Ce-141	6.20E-01	2.15E+00	6.95E+00	U
WD	LTW	494059025	10/23/2019	Ce-144	8.62E+00	8.43E+00	2.75E+01	U
WD	LTW	494059025	10/23/2019	Co-57	1.99E-01	1.06E+00	3.46E+00	U
WD	LTW	494059025	10/23/2019	Co-58	1.50E+00	1.16E+00	4.19E+00	U
WD	LTW	494059025	10/23/2019	Co-60	-1.59E+00	1.41E+00	3.70E+00	U
WD	LTW	494059025	10/23/2019	Cr-51	2.05E+01	1.19E+01	4.03E+01	U
WD	LTW	494059025	10/23/2019	Cs-134	-5.08E-01	1.37E+00	4.47E+00	U
WD	LTW	494059025	10/23/2019	Cs-137	-1.67E+00	1.52E+00	4.22E+00	U
WD	LTW	494059025	10/23/2019	Fe-59	-5.86E-02	2.51E+00	7.66E+00	U
WD	LTW	494059025	10/23/2019	I-131	3.78E-01	1.97E+00	6.65E+00	U
WD	LTW	494059025	10/23/2019	K-40	6.80E-02	1.63E+01	2.04E+01	U
WD	LTW	494059025	10/23/2019	La-140	-1.08E+00	2.12E+00	6.66E+00	U
WD	LTW	494059025	10/23/2019	Mn-54	-2.61E+00	1.32E+00	2.14E+00	U
WD	LTW	494059025	10/23/2019	Nb-95	7.55E-02	1.17E+00	3.98E+00	U
WD	LTW	494059025	10/23/2019	Ru-103	-9.19E-01	1.31E+00	4.00E+00	U
WD	LTW	494059025	10/23/2019	Ru-106	1.43E+01	1.08E+01	3.70E+01	U
WD	LTW	494059025	10/23/2019	Sb-124	-1.07E+00	3.53E+00	1.14E+01	U
WD	LTW	494059025	10/23/2019	Sb-125	7.38E+00	5.01E+00	9.91E+00	U
WD	LTW	494059025	10/23/2019	Se-75	-5.38E+00	1.99E+00	4.27E+00	U
WD	LTW	494059025	10/23/2019	Th-228	1.22E+00	3.77E+00	8.60E+00	U
WD	LTW	494059025	10/23/2019	Zn-65	1.15E+00	3.13E+00	1.06E+01	U
WD	LTW	494059025	10/23/2019	Zr-95	-1.30E+00	2.24E+00	7.19E+00	U
WD	LTW	494059026	10/23/2019	I-131	7.99E-03	2.10E-01	6.91E-01	U
WD	STJ	495763023	11/6/2019	Ac-228	-5.12E+00	3.86E+00	1.17E+01	U
WD	STJ	495763023	11/6/2019	Ag-108m	-3.07E-01	5.51E-01	1.80E+00	U
WD	STJ	495763023	11/6/2019	Ag-110m	2.01E-01	8.91E-01	2.92E+00	U
WD	STJ	495763023	11/6/2019	Ba-140	1.18E+00	3.32E+00	1.13E+01	U
WD	STJ	495763023	11/6/2019	Be-7	1.09E+00	5.90E+00	2.01E+01	U
WD	STJ	495763023	11/6/2019	BETA	-5.58E-01	7.44E-01	2.60E+00	U
WD	STJ	495763023	11/6/2019	Ce-141	-2.34E+00	1.35E+00	3.84E+00	U
WD	STJ	495763023	11/6/2019	Ce-144	8.77E-01	4.80E+00	1.61E+01	U
WD	STJ	495763023	11/6/2019	Co-57	-1.04E-01	5.91E-01	1.97E+00	U
WD	STJ	495763023	11/6/2019	Co-58	9.07E-01	7.12E-01	2.43E+00	U
WD	STJ	495763023	11/6/2019	Co-60	-6.45E-02	7.00E-01	2.32E+00	U
WD	STJ	495763023	11/6/2019	Cr-51	-5.50E+00	6.89E+00	2.04E+01	U
WD	STJ	495763023	11/6/2019	Cs-134	-1.18E+00	8.52E-01	2.32E+00	U
WD	STJ	495763023	11/6/2019	Cs-137	-1.20E+00	1.33E+00	3.51E+00	U
WD	STJ	495763023	11/6/2019	Fe-59	-2.97E-01	1.36E+00	4.55E+00	U
WD	STJ	495763023	11/6/2019	I-131	3.35E-01	1.26E+00	3.98E+00	U
WD	STJ	495763023	11/6/2019	K-40	-2.96E+01	1.46E+01	3.68E+01	U
WD	STJ	495763023	11/6/2019	La-140	2.02E+00	2.03E+00	4.94E+00	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	495763023	11/6/2019	Mn-54	1.01E-01	7.36E-01	2.41E+00	U
WD	STJ	495763023	11/6/2019	Nb-95	-1.02E+00	9.81E-01	2.52E+00	U
WD	STJ	495763023	11/6/2019	Ru-103	4.56E-01	8.06E-01	2.52E+00	U
WD	STJ	495763023	11/6/2019	Ru-106	8.20E+00	6.48E+00	2.22E+01	U
WD	STJ	495763023	11/6/2019	Sb-124	2.49E+00	1.76E+00	6.33E+00	U
WD	STJ	495763023	11/6/2019	Sb-125	7.66E-01	1.81E+00	6.28E+00	U
WD	STJ	495763023	11/6/2019	Se-75	-5.82E-01	9.53E-01	2.92E+00	U
WD	STJ	495763023	11/6/2019	Th-228	4.38E+00	2.68E+00	4.43E+00	U
WD	STJ	495763023	11/6/2019	Zn-65	2.14E-01	1.58E+00	5.06E+00	U
WD	STJ	495763023	11/6/2019	Zr-95	9.14E-01	1.22E+00	3.79E+00	U
WD	STJ	495763024	11/6/2019	I-131	-3.51E-03	1.46E-01	4.81E-01	U
WD	LTW	495763025	11/6/2019	Ac-228	3.52E-02	4.40E+00	1.30E+01	U
WD	LTW	495763025	11/6/2019	Ag-108m	-1.24E+00	7.77E-01	2.19E+00	U
WD	LTW	495763025	11/6/2019	Ag-110m	-1.10E+00	1.09E+00	3.34E+00	U
WD	LTW	495763025	11/6/2019	Ba-140	-2.30E-01	3.40E+00	1.11E+01	U
WD	LTW	495763025	11/6/2019	Be-7	-3.85E+00	6.47E+00	2.04E+01	U
WD	LTW	495763025	11/6/2019	BETA	1.30E+00	7.21E-01	1.93E+00	U
WD	LTW	495763025	11/6/2019	Ce-141	-4.52E+00	1.97E+00	4.40E+00	U
WD	LTW	495763025	11/6/2019	Ce-144	-4.47E+00	5.67E+00	1.74E+01	U
WD	LTW	495763025	11/6/2019	Co-57	9.06E-01	7.33E-01	2.36E+00	U
WD	LTW	495763025	11/6/2019	Co-58	-2.68E-01	6.75E-01	2.22E+00	U
WD	LTW	495763025	11/6/2019	Co-60	6.51E-01	6.30E-01	2.25E+00	U
WD	LTW	495763025	11/6/2019	Cr-51	-6.17E+00	6.92E+00	2.20E+01	U
WD	LTW	495763025	11/6/2019	Cs-134	3.71E-01	7.82E-01	2.72E+00	U
WD	LTW	495763025	11/6/2019	Cs-137	1.08E+00	8.21E-01	2.74E+00	U
WD	LTW	495763025	11/6/2019	Fe-59	7.90E-01	1.36E+00	4.71E+00	U
WD	LTW	495763025	11/6/2019	I-131	4.29E-01	1.25E+00	4.23E+00	U
WD	LTW	495763025	11/6/2019	K-40	-3.17E+01	1.43E+01	3.59E+01	U
WD	LTW	495763025	11/6/2019	La-140	9.13E-01	1.24E+00	4.22E+00	U
WD	LTW	495763025	11/6/2019	Mn-54	-8.91E-01	7.90E-01	2.40E+00	U
WD	LTW	495763025	11/6/2019	Nb-95	-1.57E+00	1.15E+00	2.62E+00	U
WD	LTW	495763025	11/6/2019	Ru-103	-1.90E+00	1.03E+00	2.33E+00	U
WD	LTW	495763025	11/6/2019	Ru-106	3.29E+00	6.67E+00	2.21E+01	U
WD	LTW	495763025	11/6/2019	Sb-124	4.95E-01	1.68E+00	5.84E+00	U
WD	LTW	495763025	11/6/2019	Sb-125	-3.05E+00	2.28E+00	6.69E+00	U
WD	LTW	495763025	11/6/2019	Se-75	4.13E-01	1.03E+00	3.57E+00	U
WD	LTW	495763025	11/6/2019	Th-228	4.37E+00	2.80E+00	6.36E+00	U
WD	LTW	495763025	11/6/2019	Zn-65	1.57E+00	1.53E+00	5.34E+00	U
WD	LTW	495763025	11/6/2019	Zr-95	-1.99E+00	1.80E+00	4.67E+00	U
WD	LTW	495763026	11/6/2019	I-131	-9.08E-02	1.52E-01	5.04E-01	U
WD	STJ	497383023	11/20/2019	Ac-228	1.00E+01	8.31E+00	1.69E+01	U
WD	STJ	497383023	11/20/2019	Ag-108m	-5.55E-01	7.65E-01	2.40E+00	U
WD	STJ	497383023	11/20/2019	Ag-110m	-2.20E-01	1.39E+00	4.41E+00	U
WD	STJ	497383023	11/20/2019	Ba-140	9.12E-02	3.29E+00	1.10E+01	U
WD	STJ	497383023	11/20/2019	Be-7	-5.29E+00	7.63E+00	2.39E+01	U
WD	STJ	497383023	11/20/2019	BETA	-7.36E-01	5.95E-01	2.16E+00	U
WD	STJ	497383023	11/20/2019	Ce-141	9.97E-01	1.60E+00	5.27E+00	U
WD	STJ	497383023	11/20/2019	Ce-144	5.20E+00	6.04E+00	2.01E+01	U
WD	STJ	497383023	11/20/2019	Co-57	-2.21E-01	8.27E-01	2.65E+00	U
WD	STJ	497383023	11/20/2019	Co-58	5.57E-01	8.33E-01	2.89E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	497383023	11/20/2019	Co-60	-9.77E-01	7.34E-01	1.67E+00	U
WD	STJ	497383023	11/20/2019	Cr-51	-5.65E+00	8.55E+00	2.79E+01	U
WD	STJ	497383023	11/20/2019	Cs-134	1.34E+00	1.07E+00	3.77E+00	U
WD	STJ	497383023	11/20/2019	Cs-137	1.11E+00	1.10E+00	3.82E+00	U
WD	STJ	497383023	11/20/2019	Fe-59	-1.11E+00	2.12E+00	6.24E+00	U
WD	STJ	497383023	11/20/2019	I-131	-9.77E-01	1.29E+00	4.06E+00	U
WD	STJ	497383023	11/20/2019	K-40	-2.98E+01	1.72E+01	4.65E+01	U
WD	STJ	497383023	11/20/2019	La-140	1.45E-02	1.71E+00	5.68E+00	U
WD	STJ	497383023	11/20/2019	Mn-54	7.72E-01	8.95E-01	3.11E+00	U
WD	STJ	497383023	11/20/2019	Nb-95	-2.89E+00	1.29E+00	2.20E+00	U
WD	STJ	497383023	11/20/2019	Ru-103	-1.01E+00	9.67E-01	2.87E+00	U
WD	STJ	497383023	11/20/2019	Ru-106	3.73E+00	8.05E+00	2.76E+01	U
WD	STJ	497383023	11/20/2019	Sb-124	-2.07E+00	2.56E+00	7.29E+00	U
WD	STJ	497383023	11/20/2019	Sb-125	-1.49E+00	2.51E+00	6.74E+00	U
WD	STJ	497383023	11/20/2019	Se-75	-2.93E+00	1.54E+00	3.67E+00	U
WD	STJ	497383023	11/20/2019	Th-228	3.22E+00	3.41E+00	7.37E+00	U
WD	STJ	497383023	11/20/2019	Zn-65	-4.35E+00	2.47E+00	5.20E+00	U
WD	STJ	497383023	11/20/2019	Zr-95	1.64E+00	1.70E+00	5.93E+00	U
WD	STJ	497383024	11/20/2019	I-131	-1.39E-01	2.36E-01	7.87E-01	U
WD	LTW	497383025	11/20/2019	Ac-228	-6.51E+00	5.34E+00	1.54E+01	U
WD	LTW	497383025	11/20/2019	Ag-108m	3.09E-01	9.28E-01	3.11E+00	U
WD	LTW	497383025	11/20/2019	Ag-110m	1.28E+00	1.51E+00	5.41E+00	U
WD	LTW	497383025	11/20/2019	Ba-140	2.27E+00	5.37E+00	1.80E+01	U
WD	LTW	497383025	11/20/2019	Be-7	-3.58E+00	9.33E+00	2.93E+01	U
WD	LTW	497383025	11/20/2019	BETA	1.03E+00	8.21E-01	2.40E+00	U
WD	LTW	497383025	11/20/2019	Ce-141	-2.78E+00	2.35E+00	7.34E+00	U
WD	LTW	497383025	11/20/2019	Ce-144	-1.23E+00	8.91E+00	3.03E+01	U
WD	LTW	497383025	11/20/2019	Co-57	1.22E+00	1.10E+00	3.79E+00	U
WD	LTW	497383025	11/20/2019	Co-58	-1.62E-01	1.09E+00	3.40E+00	U
WD	LTW	497383025	11/20/2019	Co-60	-1.66E-01	1.38E+00	4.44E+00	U
WD	LTW	497383025	11/20/2019	Cr-51	1.77E+01	1.27E+01	4.28E+01	U
WD	LTW	497383025	11/20/2019	Cs-134	1.28E+00	1.30E+00	4.44E+00	U
WD	LTW	497383025	11/20/2019	Cs-137	1.41E+00	1.10E+00	3.84E+00	U
WD	LTW	497383025	11/20/2019	Fe-59	1.55E+00	2.20E+00	7.85E+00	U
WD	LTW	497383025	11/20/2019	I-131	-2.96E+00	2.15E+00	6.08E+00	U
WD	LTW	497383025	11/20/2019	K-40	-5.64E+00	1.77E+01	6.17E+01	U
WD	LTW	497383025	11/20/2019	La-140	1.20E+00	1.34E+00	5.04E+00	U
WD	LTW	497383025	11/20/2019	Mn-54	1.22E+00	1.13E+00	3.89E+00	U
WD	LTW	497383025	11/20/2019	Nb-95	1.73E-01	1.34E+00	4.32E+00	U
WD	LTW	497383025	11/20/2019	Ru-103	-1.37E+00	1.33E+00	3.85E+00	U
WD	LTW	497383025	11/20/2019	Ru-106	-2.58E+00	9.91E+00	3.11E+01	U
WD	LTW	497383025	11/20/2019	Sb-124	-9.55E-01	2.55E+00	7.73E+00	U
WD	LTW	497383025	11/20/2019	Sb-125	2.05E+00	3.19E+00	1.08E+01	U
WD	LTW	497383025	11/20/2019	Se-75	1.99E+00	1.73E+00	5.90E+00	U
WD	LTW	497383025	11/20/2019	Th-228	1.79E+01	6.04E+00	1.07E+01	UI
WD	LTW	497383025	11/20/2019	Zn-65	-2.95E+00	2.31E+00	6.13E+00	U
WD	LTW	497383025	11/20/2019	Zr-95	6.64E-01	2.07E+00	6.78E+00	U
WD	LTW	497383026	11/20/2019	I-131	4.24E-01	2.85E-01	9.14E-01	U
WD	STJ	498361023	12/4/2019	Ac-228	7.60E+00	7.10E+00	2.28E+01	U
WD	STJ	498361023	12/4/2019	Ag-108m	2.79E+00	1.71E+00	4.45E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	STJ	498361023	12/4/2019	Ag-110m	4.24E+00	2.26E+00	7.12E+00	U
WD	STJ	498361023	12/4/2019	Ba-140	1.69E+01	9.30E+00	1.81E+01	U
WD	STJ	498361023	12/4/2019	Be-7	-3.17E+00	1.16E+01	3.65E+01	U
WD	STJ	498361023	12/4/2019	BETA	2.30E+00	1.03E+00	2.96E+00	U
WD	STJ	498361023	12/4/2019	Ce-141	2.92E+00	2.70E+00	5.92E+00	U
WD	STJ	498361023	12/4/2019	Ce-144	5.87E+00	7.49E+00	2.40E+01	U
WD	STJ	498361023	12/4/2019	Co-57	4.89E-01	1.01E+00	3.21E+00	U
WD	STJ	498361023	12/4/2019	Co-58	4.50E-01	1.14E+00	3.86E+00	U
WD	STJ	498361023	12/4/2019	Co-60	1.05E+00	1.43E+00	5.06E+00	U
WD	STJ	498361023	12/4/2019	Cr-51	2.66E+00	1.16E+01	3.51E+01	U
WD	STJ	498361023	12/4/2019	Cs-134	-3.36E-01	1.44E+00	4.70E+00	U
WD	STJ	498361023	12/4/2019	Cs-137	7.19E-02	1.26E+00	4.31E+00	U
WD	STJ	498361023	12/4/2019	Fe-59	5.72E-01	3.09E+00	1.03E+01	U
WD	STJ	498361023	12/4/2019	I-131	2.76E+00	2.25E+00	7.69E+00	U
WD	STJ	498361023	12/4/2019	K-40	-2.85E+01	1.96E+01	6.09E+01	U
WD	STJ	498361023	12/4/2019	La-140	1.06E+00	2.68E+00	9.37E+00	U
WD	STJ	498361023	12/4/2019	Mn-54	-4.53E-02	1.49E+00	4.97E+00	U
WD	STJ	498361023	12/4/2019	Nb-95	-1.08E+00	1.51E+00	4.67E+00	U
WD	STJ	498361023	12/4/2019	Ru-103	-1.59E-01	1.53E+00	4.87E+00	U
WD	STJ	498361023	12/4/2019	Ru-106	1.41E+01	1.24E+01	4.23E+01	U
WD	STJ	498361023	12/4/2019	Sb-124	-4.14E+00	2.77E+00	5.17E+00	U
WD	STJ	498361023	12/4/2019	Sb-125	-3.73E+00	4.07E+00	1.13E+01	U
WD	STJ	498361023	12/4/2019	Se-75	2.00E+00	1.62E+00	5.57E+00	U
WD	STJ	498361023	12/4/2019	Th-228	1.42E+00	3.92E+00	8.67E+00	U
WD	STJ	498361023	12/4/2019	Zn-65	-1.76E+00	3.47E+00	1.06E+01	U
WD	STJ	498361023	12/4/2019	Zr-95	-3.21E-01	2.11E+00	6.95E+00	U
WD	STJ	498361024	12/4/2019	I-131	-9.59E-02	1.74E-01	5.81E-01	U
WD	LTW	498361025	12/4/2019	Ac-228	2.02E+01	1.01E+01	2.01E+01	UI
WD	LTW	498361025	12/4/2019	Ag-108m	4.81E-01	1.06E+00	3.59E+00	U
WD	LTW	498361025	12/4/2019	Ag-110m	-8.02E-01	1.50E+00	4.76E+00	U
WD	LTW	498361025	12/4/2019	Ba-140	-1.09E+01	6.05E+00	1.47E+01	U
WD	LTW	498361025	12/4/2019	Be-7	2.20E+01	1.30E+01	3.40E+01	U
WD	LTW	498361025	12/4/2019	BETA	1.14E+00	9.07E-01	2.70E+00	U
WD	LTW	498361025	12/4/2019	Ce-141	8.12E+00	6.51E+00	6.23E+00	UI
WD	LTW	498361025	12/4/2019	Ce-144	3.07E+00	7.69E+00	2.51E+01	U
WD	LTW	498361025	12/4/2019	Co-57	-1.02E+00	1.11E+00	3.36E+00	U
WD	LTW	498361025	12/4/2019	Co-58	-1.70E+00	1.24E+00	3.08E+00	U
WD	LTW	498361025	12/4/2019	Co-60	-7.06E-01	1.06E+00	3.05E+00	U
WD	LTW	498361025	12/4/2019	Cr-51	1.63E+01	1.17E+01	4.02E+01	U
WD	LTW	498361025	12/4/2019	Cs-134	1.24E+00	1.30E+00	4.42E+00	U
WD	LTW	498361025	12/4/2019	Cs-137	1.00E+00	1.24E+00	4.19E+00	U
WD	LTW	498361025	12/4/2019	Fe-59	6.55E-01	2.51E+00	7.58E+00	U
WD	LTW	498361025	12/4/2019	I-131	-8.47E-01	2.07E+00	6.75E+00	U
WD	LTW	498361025	12/4/2019	K-40	-6.35E+00	1.71E+01	5.70E+01	U
WD	LTW	498361025	12/4/2019	La-140	1.47E+00	1.21E+00	4.74E+00	U
WD	LTW	498361025	12/4/2019	Mn-54	-3.14E-01	1.07E+00	3.53E+00	U
WD	LTW	498361025	12/4/2019	Nb-95	-1.28E-01	1.24E+00	3.88E+00	U
WD	LTW	498361025	12/4/2019	Ru-103	-1.24E+00	1.38E+00	3.57E+00	U
WD	LTW	498361025	12/4/2019	Ru-106	-1.31E+00	1.01E+01	3.22E+01	U
WD	LTW	498361025	12/4/2019	Sb-124	-2.55E+00	2.63E+00	7.34E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	498361025	12/4/2019	Sb-125	8.28E-01	2.98E+00	1.00E+01	U
WD	LTW	498361025	12/4/2019	Se-75	8.21E-01	1.46E+00	4.88E+00	U
WD	LTW	498361025	12/4/2019	Th-228	6.77E+00	3.94E+00	8.93E+00	U
WD	LTW	498361025	12/4/2019	Zn-65	-3.30E+00	2.31E+00	4.16E+00	U
WD	LTW	498361025	12/4/2019	Zr-95	-2.62E+00	2.12E+00	5.51E+00	U
WD	LTW	498361026	12/4/2019	I-131	-1.63E-01	2.30E-01	7.66E-01	U
WD	STJ	499658023	12/18/2019	Ac-228	-3.27E+00	4.14E+00	1.22E+01	U
WD	STJ	499658023	12/18/2019	Ag-108m	-2.53E-01	5.66E-01	1.87E+00	U
WD	STJ	499658023	12/18/2019	Ag-110m	-1.99E-01	9.72E-01	3.07E+00	U
WD	STJ	499658023	12/18/2019	Ba-140	-1.89E+00	3.59E+00	1.16E+01	U
WD	STJ	499658023	12/18/2019	Be-7	-1.67E+01	7.82E+00	1.67E+01	U
WD	STJ	499658023	12/18/2019	BETA	1.07E+00	7.85E-01	2.26E+00	U
WD	STJ	499658023	12/18/2019	Ce-141	-3.72E+00	1.55E+00	3.81E+00	U
WD	STJ	499658023	12/18/2019	Ce-144	-2.46E+00	4.49E+00	1.45E+01	U
WD	STJ	499658023	12/18/2019	Co-57	6.16E-01	5.99E-01	2.01E+00	U
WD	STJ	499658023	12/18/2019	Co-58	1.51E+00	8.23E-01	2.76E+00	U
WD	STJ	499658023	12/18/2019	Co-60	2.35E-01	8.32E-01	2.84E+00	U
WD	STJ	499658023	12/18/2019	Cr-51	1.01E+00	7.78E+00	2.46E+01	U
WD	STJ	499658023	12/18/2019	Cs-134	2.34E-01	7.90E-01	2.62E+00	U
WD	STJ	499658023	12/18/2019	Cs-137	-1.21E+00	1.04E+00	3.17E+00	U
WD	STJ	499658023	12/18/2019	Fe-59	1.36E+00	1.39E+00	4.96E+00	U
WD	STJ	499658023	12/18/2019	I-131	1.96E+00	1.60E+00	5.14E+00	U
WD	STJ	499658023	12/18/2019	K-40	-1.00E+01	1.18E+01	3.97E+01	U
WD	STJ	499658023	12/18/2019	La-140	-1.23E+00	1.48E+00	4.36E+00	U
WD	STJ	499658023	12/18/2019	Mn-54	6.49E-01	6.85E-01	2.33E+00	U
WD	STJ	499658023	12/18/2019	Nb-95	3.48E-01	7.55E-01	2.53E+00	U
WD	STJ	499658023	12/18/2019	Ru-103	-1.13E+00	8.20E-01	2.42E+00	U
WD	STJ	499658023	12/18/2019	Ru-106	4.43E+00	6.07E+00	2.08E+01	U
WD	STJ	499658023	12/18/2019	Sb-124	-2.82E+00	1.80E+00	4.22E+00	U
WD	STJ	499658023	12/18/2019	Sb-125	1.81E+00	2.00E+00	6.94E+00	U
WD	STJ	499658023	12/18/2019	Se-75	-7.70E-01	9.54E-01	2.87E+00	U
WD	STJ	499658023	12/18/2019	Th-228	-1.12E+00	2.10E+00	5.80E+00	U
WD	STJ	499658023	12/18/2019	Zn-65	-8.99E-01	1.44E+00	4.60E+00	U
WD	STJ	499658023	12/18/2019	Zr-95	-2.71E+00	1.41E+00	3.39E+00	U
WD	STJ	499658024	12/18/2019	I-131	-1.37E-02	2.63E-01	8.67E-01	U
WD	LTW	499658025	12/18/2019	Ac-228	-2.95E+00	4.41E+00	1.31E+01	U
WD	LTW	499658025	12/18/2019	Ag-108m	-5.16E-01	8.06E-01	2.49E+00	U
WD	LTW	499658025	12/18/2019	Ag-110m	1.94E-01	1.30E+00	4.41E+00	U
WD	LTW	499658025	12/18/2019	Ba-140	-4.01E+00	5.14E+00	1.54E+01	U
WD	LTW	499658025	12/18/2019	Be-7	9.23E+00	8.06E+00	2.66E+01	U
WD	LTW	499658025	12/18/2019	BETA	1.43E-01	7.39E-01	2.38E+00	U
WD	LTW	499658025	12/18/2019	Ce-141	-4.40E+00	1.84E+00	4.70E+00	U
WD	LTW	499658025	12/18/2019	Ce-144	8.48E+00	5.98E+00	1.99E+01	U
WD	LTW	499658025	12/18/2019	Co-57	2.59E-01	7.70E-01	2.62E+00	U
WD	LTW	499658025	12/18/2019	Co-58	-6.13E-01	1.00E+00	2.99E+00	U
WD	LTW	499658025	12/18/2019	Co-60	2.12E+00	9.16E-01	3.18E+00	U
WD	LTW	499658025	12/18/2019	Cr-51	4.82E+00	8.61E+00	2.87E+01	U
WD	LTW	499658025	12/18/2019	Cs-134	2.17E-01	7.92E-01	2.73E+00	U
WD	LTW	499658025	12/18/2019	Cs-137	8.54E-01	8.53E-01	2.83E+00	U
WD	LTW	499658025	12/18/2019	Fe-59	2.83E+00	1.94E+00	6.73E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WD	LTW	499658025	12/18/2019	I-131	2.22E+00	1.85E+00	6.13E+00	U
WD	LTW	499658025	12/18/2019	K-40	2.70E+01	2.05E+01	2.61E+01	UI
WD	LTW	499658025	12/18/2019	La-140	1.48E-01	1.47E+00	4.84E+00	U
WD	LTW	499658025	12/18/2019	Mn-54	-1.28E-01	8.48E-01	2.83E+00	U
WD	LTW	499658025	12/18/2019	Nb-95	1.43E+00	9.95E-01	3.43E+00	U
WD	LTW	499658025	12/18/2019	Ru-103	-3.81E-01	9.45E-01	2.96E+00	U
WD	LTW	499658025	12/18/2019	Ru-106	1.16E+01	9.10E+00	2.98E+01	U
WD	LTW	499658025	12/18/2019	Sb-124	5.02E+00	2.79E+00	9.58E+00	U
WD	LTW	499658025	12/18/2019	Sb-125	7.61E-01	2.34E+00	6.91E+00	U
WD	LTW	499658025	12/18/2019	Se-75	-1.84E+00	1.30E+00	3.81E+00	U
WD	LTW	499658025	12/18/2019	Th-228	2.25E+00	2.15E+00	6.20E+00	U
WD	LTW	499658025	12/18/2019	Zn-65	-2.38E+00	2.08E+00	6.09E+00	U
WD	LTW	499658025	12/18/2019	Zr-95	1.18E-01	1.37E+00	4.66E+00	U
WD	LTW	499658026	12/18/2019	I-131	-3.25E-01	2.44E-01	8.23E-01	U
WD	STJ	502082001	12/18/2019	H-3	-1.35E+02	1.52E+02	5.19E+02	U
WD	LTW	502082002	12/18/2019	H-3	-1.35E+02	1.52E+02	5.18E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-1	468795001	1/8/2019	Ac-228	1.19E+01	6.80E+00	1.71E+01	U
WG	W-1	468795001	1/8/2019	Ag-108m	-9.72E-02	8.02E-01	2.64E+00	U
WG	W-1	468795001	1/8/2019	Ag-110m	-2.17E-01	1.34E+00	4.17E+00	U
WG	W-1	468795001	1/8/2019	Ba-140	8.33E+00	6.00E+00	2.06E+01	U
WG	W-1	468795001	1/8/2019	Be-7	2.60E+00	8.19E+00	2.77E+01	U
WG	W-1	468795001	1/8/2019	Ce-141	-2.31E+00	2.00E+00	5.77E+00	U
WG	W-1	468795001	1/8/2019	Ce-144	-6.66E+00	6.97E+00	2.07E+01	U
WG	W-1	468795001	1/8/2019	Co-57	1.52E+00	9.71E-01	3.11E+00	U
WG	W-1	468795001	1/8/2019	Co-58	1.92E-01	9.43E-01	3.07E+00	U
WG	W-1	468795001	1/8/2019	Co-60	1.56E+00	1.06E+00	3.41E+00	U
WG	W-1	468795001	1/8/2019	Cr-51	-1.30E+01	8.90E+00	2.55E+01	U
WG	W-1	468795001	1/8/2019	Cs-134	7.57E-01	1.11E+00	3.74E+00	U
WG	W-1	468795001	1/8/2019	Cs-137	-7.90E-01	1.04E+00	3.07E+00	U
WG	W-1	468795001	1/8/2019	Fe-59	8.30E+00	3.13E+00	8.40E+00	U
WG	W-1	468795001	1/8/2019	H-3	4.52E+02	4.16E+02	1.29E+03	U
WG	W-1	468795001	1/8/2019	I-131	1.81E+00	2.08E+00	7.17E+00	U
WG	W-1	468795001	1/8/2019	K-40	3.53E+01	2.47E+01	4.32E+01	U
WG	W-1	468795001	1/8/2019	La-140	1.29E+00	2.06E+00	7.15E+00	U
WG	W-1	468795001	1/8/2019	Mn-54	1.63E+00	9.41E-01	3.15E+00	U
WG	W-1	468795001	1/8/2019	Nb-95	5.28E-01	1.19E+00	3.93E+00	U
WG	W-1	468795001	1/8/2019	Ru-103	-1.54E+00	1.30E+00	3.81E+00	U
WG	W-1	468795001	1/8/2019	Ru-106	1.07E+01	9.84E+00	3.36E+01	U
WG	W-1	468795001	1/8/2019	Sb-124	5.36E+00	3.08E+00	1.12E+01	U
WG	W-1	468795001	1/8/2019	Sb-125	-3.45E-01	2.42E+00	7.96E+00	U
WG	W-1	468795001	1/8/2019	Se-75	-2.89E-01	1.41E+00	4.77E+00	U
WG	W-1	468795001	1/8/2019	Th-228	-1.75E+00	2.35E+00	7.26E+00	U
WG	W-1	468795001	1/8/2019	Zn-65	1.11E+00	2.08E+00	6.60E+00	U
WG	W-1	468795001	1/8/2019	Zr-95	-3.92E+00	2.41E+00	6.04E+00	U
WG	W-2	468795002	1/8/2019	Ac-228	-1.56E+00	5.36E+00	1.76E+01	U
WG	W-2	468795002	1/8/2019	Ag-108m	4.87E-01	8.69E-01	2.94E+00	U
WG	W-2	468795002	1/8/2019	Ag-110m	1.36E+00	1.56E+00	4.98E+00	U
WG	W-2	468795002	1/8/2019	Ba-140	-6.69E+00	6.08E+00	1.74E+01	U
WG	W-2	468795002	1/8/2019	Be-7	-1.07E+01	9.21E+00	2.65E+01	U
WG	W-2	468795002	1/8/2019	Ce-141	3.09E+00	3.91E+00	5.88E+00	U
WG	W-2	468795002	1/8/2019	Ce-144	1.15E+01	7.45E+00	2.37E+01	U
WG	W-2	468795002	1/8/2019	Co-57	-6.14E-02	8.76E-01	2.80E+00	U
WG	W-2	468795002	1/8/2019	Co-58	4.03E-01	9.77E-01	3.39E+00	U
WG	W-2	468795002	1/8/2019	Co-60	9.66E-01	1.30E+00	4.46E+00	U
WG	W-2	468795002	1/8/2019	Cr-51	-5.81E+00	9.65E+00	3.10E+01	U
WG	W-2	468795002	1/8/2019	Cs-134	3.61E+00	1.56E+00	5.16E+00	U
WG	W-2	468795002	1/8/2019	Cs-137	6.23E-01	1.14E+00	3.75E+00	U
WG	W-2	468795002	1/8/2019	Fe-59	-3.09E+00	2.27E+00	5.87E+00	U
WG	W-2	468795002	1/8/2019	H-3	1.10E+02	3.96E+02	1.29E+03	U
WG	W-2	468795002	1/8/2019	I-131	-1.95E+00	2.09E+00	6.40E+00	U
WG	W-2	468795002	1/8/2019	K-40	7.51E+00	1.55E+01	2.63E+01	U
WG	W-2	468795002	1/8/2019	La-140	3.53E-01	1.75E+00	6.04E+00	U
WG	W-2	468795002	1/8/2019	Mn-54	1.44E-01	9.39E-01	3.20E+00	U
WG	W-2	468795002	1/8/2019	Nb-95	1.34E+00	1.16E+00	3.74E+00	U
WG	W-2	468795002	1/8/2019	Ru-103	-5.64E-01	1.27E+00	3.99E+00	U
WG	W-2	468795002	1/8/2019	Ru-106	7.62E+00	9.12E+00	3.06E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-2	468795002	1/8/2019	Sb-124	-6.85E-01	2.21E+00	7.07E+00	U
WG	W-2	468795002	1/8/2019	Sb-125	-5.98E+00	3.06E+00	6.89E+00	U
WG	W-2	468795002	1/8/2019	Se-75	-1.22E+00	1.38E+00	4.39E+00	U
WG	W-2	468795002	1/8/2019	Th-228	1.18E+01	5.22E+00	5.46E+00	UI
WG	W-2	468795002	1/8/2019	Zn-65	-2.61E+00	2.46E+00	5.71E+00	U
WG	W-2	468795002	1/8/2019	Zr-95	-1.08E+00	1.75E+00	4.75E+00	U
WG	W-3	468795003	1/8/2019	Ac-228	-2.14E+00	4.56E+00	1.42E+01	U
WG	W-3	468795003	1/8/2019	Ag-108m	-9.06E-01	8.11E-01	2.43E+00	U
WG	W-3	468795003	1/8/2019	Ag-110m	1.59E+00	1.29E+00	4.55E+00	U
WG	W-3	468795003	1/8/2019	Ba-140	-4.09E-01	5.20E+00	1.73E+01	U
WG	W-3	468795003	1/8/2019	Be-7	-9.78E+00	9.70E+00	2.97E+01	U
WG	W-3	468795003	1/8/2019	Ce-141	-3.12E+00	2.53E+00	6.47E+00	U
WG	W-3	468795003	1/8/2019	Ce-144	2.97E+00	7.79E+00	2.40E+01	U
WG	W-3	468795003	1/8/2019	Co-57	-6.59E-01	9.86E-01	3.05E+00	U
WG	W-3	468795003	1/8/2019	Co-58	2.04E-01	9.84E-01	3.28E+00	U
WG	W-3	468795003	1/8/2019	Co-60	2.01E+00	8.53E-01	3.70E+00	U
WG	W-3	468795003	1/8/2019	Cr-51	-6.86E+00	1.03E+01	3.37E+01	U
WG	W-3	468795003	1/8/2019	Cs-134	-9.80E-01	9.90E-01	2.80E+00	U
WG	W-3	468795003	1/8/2019	Cs-137	1.68E+00	1.00E+00	3.53E+00	U
WG	W-3	468795003	1/8/2019	Fe-59	-2.33E+00	2.25E+00	6.14E+00	U
WG	W-3	468795003	1/8/2019	H-3	1.02E+03	4.41E+02	1.26E+03	U
WG	W-3	468795003	1/8/2019	I-131	2.12E+00	2.10E+00	7.35E+00	U
WG	W-3	468795003	1/8/2019	K-40	3.35E+01	1.64E+01	1.92E+01	UI
WG	W-3	468795003	1/8/2019	La-140	-3.22E+00	1.86E+00	4.07E+00	U
WG	W-3	468795003	1/8/2019	Mn-54	-9.89E-01	1.12E+00	3.30E+00	U
WG	W-3	468795003	1/8/2019	Nb-95	1.39E-01	1.12E+00	3.71E+00	U
WG	W-3	468795003	1/8/2019	Ru-103	2.17E-01	1.04E+00	3.53E+00	U
WG	W-3	468795003	1/8/2019	Ru-106	-5.41E+00	9.29E+00	2.92E+01	U
WG	W-3	468795003	1/8/2019	Sb-124	9.06E-01	2.20E+00	7.76E+00	U
WG	W-3	468795003	1/8/2019	Sb-125	2.09E+00	3.00E+00	1.04E+01	U
WG	W-3	468795003	1/8/2019	Se-75	3.99E+00	1.74E+00	5.30E+00	U
WG	W-3	468795003	1/8/2019	Th-228	1.79E+00	3.62E+00	8.38E+00	U
WG	W-3	468795003	1/8/2019	Zn-65	-1.16E+00	2.55E+00	6.74E+00	U
WG	W-3	468795003	1/8/2019	Zr-95	1.45E+00	1.95E+00	6.69E+00	U
WG	W-8	468795008	1/8/2019	Ac-228	-6.39E+00	5.80E+00	1.68E+01	U
WG	W-8	468795008	1/8/2019	Ag-108m	2.94E-01	1.06E+00	3.60E+00	U
WG	W-8	468795008	1/8/2019	Ag-110m	-6.03E-01	1.29E+00	3.81E+00	U
WG	W-8	468795008	1/8/2019	Ba-140	-1.11E+00	5.46E+00	1.77E+01	U
WG	W-8	468795008	1/8/2019	Be-7	8.55E-01	1.01E+01	3.39E+01	U
WG	W-8	468795008	1/8/2019	Ce-141	3.55E+00	4.03E+00	6.83E+00	U
WG	W-8	468795008	1/8/2019	Ce-144	2.30E+01	7.20E+00	2.29E+01	UI
WG	W-8	468795008	1/8/2019	Co-57	1.26E+00	1.04E+00	3.43E+00	U
WG	W-8	468795008	1/8/2019	Co-58	-2.92E-01	1.04E+00	3.23E+00	U
WG	W-8	468795008	1/8/2019	Co-60	2.00E+00	1.31E+00	4.80E+00	U
WG	W-8	468795008	1/8/2019	Cr-51	3.66E+01	1.76E+01	3.35E+01	UI
WG	W-8	468795008	1/8/2019	Cs-134	-1.68E+00	1.30E+00	3.36E+00	U
WG	W-8	468795008	1/8/2019	Cs-137	-7.06E-01	1.18E+00	3.60E+00	U
WG	W-8	468795008	1/8/2019	Fe-59	-8.12E-01	2.21E+00	7.14E+00	U
WG	W-8	468795008	1/8/2019	H-3	1.12E+02	3.98E+02	1.29E+03	U
WG	W-8	468795008	1/8/2019	I-131	-1.50E+00	2.17E+00	6.89E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-8	468795008	1/8/2019	K-40	7.68E+00	1.78E+01	6.06E+01	U
WG	W-8	468795008	1/8/2019	La-140	4.09E+00	2.31E+00	8.57E+00	U
WG	W-8	468795008	1/8/2019	Mn-54	-5.62E-01	1.17E+00	3.55E+00	U
WG	W-8	468795008	1/8/2019	Nb-95	-3.00E-01	1.28E+00	4.05E+00	U
WG	W-8	468795008	1/8/2019	Ru-103	-1.19E+00	1.18E+00	3.50E+00	U
WG	W-8	468795008	1/8/2019	Ru-106	3.47E+00	1.05E+01	3.50E+01	U
WG	W-8	468795008	1/8/2019	Sb-124	2.62E+00	2.61E+00	9.62E+00	U
WG	W-8	468795008	1/8/2019	Sb-125	2.59E+00	3.26E+00	1.13E+01	U
WG	W-8	468795008	1/8/2019	Se-75	1.11E-01	1.46E+00	5.04E+00	U
WG	W-8	468795008	1/8/2019	Th-228	1.23E+01	5.24E+00	6.43E+00	UI
WG	W-8	468795008	1/8/2019	Zn-65	1.80E+00	2.50E+00	8.12E+00	U
WG	W-8	468795008	1/8/2019	Zr-95	4.21E-01	1.98E+00	6.53E+00	U
WG	W-9	468795009	1/8/2019	Ac-228	1.16E+01	7.31E+00	2.30E+01	U
WG	W-9	468795009	1/8/2019	Ag-108m	3.10E+00	1.33E+00	4.41E+00	U
WG	W-9	468795009	1/8/2019	Ag-110m	9.49E+00	4.12E+00	7.80E+00	UI
WG	W-9	468795009	1/8/2019	Ba-140	-1.15E+01	9.23E+00	2.55E+01	U
WG	W-9	468795009	1/8/2019	Be-7	-7.27E+00	1.23E+01	3.77E+01	U
WG	W-9	468795009	1/8/2019	Ce-141	-3.35E-01	2.34E+00	6.86E+00	U
WG	W-9	468795009	1/8/2019	Ce-144	8.67E+00	7.80E+00	2.53E+01	U
WG	W-9	468795009	1/8/2019	Co-57	-2.16E-01	9.44E-01	2.97E+00	U
WG	W-9	468795009	1/8/2019	Co-58	-1.33E+00	1.66E+00	4.90E+00	U
WG	W-9	468795009	1/8/2019	Co-60	9.19E-01	1.52E+00	5.27E+00	U
WG	W-9	468795009	1/8/2019	Cr-51	-1.86E+01	1.32E+01	3.21E+01	U
WG	W-9	468795009	1/8/2019	Cs-134	-2.08E+00	1.53E+00	4.15E+00	U
WG	W-9	468795009	1/8/2019	Cs-137	-7.74E-01	1.52E+00	4.54E+00	U
WG	W-9	468795009	1/8/2019	Fe-59	-4.45E+00	3.88E+00	8.56E+00	U
WG	W-9	468795009	1/8/2019	H-3	5.57E+02	4.19E+02	1.28E+03	U
WG	W-9	468795009	1/8/2019	I-131	-1.26E-01	2.81E+00	9.31E+00	U
WG	W-9	468795009	1/8/2019	K-40	6.11E+01	2.15E+01	5.11E+01	UI
WG	W-9	468795009	1/8/2019	La-140	1.99E+00	2.69E+00	9.78E+00	U
WG	W-9	468795009	1/8/2019	Mn-54	-4.02E-01	1.48E+00	4.84E+00	U
WG	W-9	468795009	1/8/2019	Nb-95	2.34E+00	1.58E+00	5.65E+00	U
WG	W-9	468795009	1/8/2019	Ru-103	-1.01E+00	1.80E+00	5.58E+00	U
WG	W-9	468795009	1/8/2019	Ru-106	2.20E+01	1.35E+01	4.62E+01	U
WG	W-9	468795009	1/8/2019	Sb-124	2.34E+00	3.15E+00	1.17E+01	U
WG	W-9	468795009	1/8/2019	Sb-125	4.01E-01	3.35E+00	1.11E+01	U
WG	W-9	468795009	1/8/2019	Se-75	-1.22E+00	1.72E+00	5.26E+00	U
WG	W-9	468795009	1/8/2019	Th-228	2.32E+00	3.30E+00	6.56E+00	U
WG	W-9	468795009	1/8/2019	Zn-65	-7.35E+00	3.38E+00	5.79E+00	U
WG	W-9	468795009	1/8/2019	Zr-95	1.16E+00	3.02E+00	9.39E+00	U
WG	W-7	468795007	1/9/2019	Ac-228	7.91E-01	5.15E+00	1.52E+01	U
WG	W-7	468795007	1/9/2019	Ag-108m	-8.47E-01	1.11E+00	3.41E+00	U
WG	W-7	468795007	1/9/2019	Ag-110m	3.99E+00	2.03E+00	6.23E+00	U
WG	W-7	468795007	1/9/2019	Ba-140	-3.60E+00	5.60E+00	1.70E+01	U
WG	W-7	468795007	1/9/2019	Be-7	-3.31E+00	8.88E+00	2.80E+01	U
WG	W-7	468795007	1/9/2019	Ce-141	3.24E-03	2.56E+00	7.23E+00	U
WG	W-7	468795007	1/9/2019	Ce-144	7.22E+00	8.34E+00	2.73E+01	U
WG	W-7	468795007	1/9/2019	Co-57	-1.89E+00	1.16E+00	3.23E+00	U
WG	W-7	468795007	1/9/2019	Co-58	-1.21E-01	1.10E+00	3.15E+00	U
WG	W-7	468795007	1/9/2019	Co-60	6.90E-01	1.29E+00	4.36E+00	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-7	468795007	1/9/2019	Cr-51	2.25E+00	1.17E+01	3.93E+01	U
WG	W-7	468795007	1/9/2019	Cs-134	-6.75E-01	1.18E+00	3.73E+00	U
WG	W-7	468795007	1/9/2019	Cs-137	-1.53E+00	1.29E+00	3.53E+00	U
WG	W-7	468795007	1/9/2019	Fe-59	6.83E-01	2.62E+00	8.74E+00	U
WG	W-7	468795007	1/9/2019	H-3	-4.34E+02	3.87E+02	1.35E+03	U
WG	W-7	468795007	1/9/2019	I-131	9.11E-01	2.26E+00	7.63E+00	U
WG	W-7	468795007	1/9/2019	K-40	2.52E+01	2.84E+01	4.14E+01	U
WG	W-7	468795007	1/9/2019	La-140	1.35E+00	1.94E+00	6.24E+00	U
WG	W-7	468795007	1/9/2019	Mn-54	-4.26E-01	1.17E+00	3.77E+00	U
WG	W-7	468795007	1/9/2019	Nb-95	-9.85E-01	1.21E+00	3.72E+00	U
WG	W-7	468795007	1/9/2019	Ru-103	-1.01E+00	1.32E+00	4.01E+00	U
WG	W-7	468795007	1/9/2019	Ru-106	-1.03E+01	1.16E+01	3.37E+01	U
WG	W-7	468795007	1/9/2019	Sb-124	-1.21E+00	2.67E+00	8.26E+00	U
WG	W-7	468795007	1/9/2019	Sb-125	-1.03E+01	4.48E+00	8.11E+00	U
WG	W-7	468795007	1/9/2019	Se-75	1.52E+00	1.65E+00	5.62E+00	U
WG	W-7	468795007	1/9/2019	Th-228	4.03E+00	3.11E+00	7.40E+00	U
WG	W-7	468795007	1/9/2019	Zn-65	6.36E-01	2.91E+00	8.46E+00	U
WG	W-7	468795007	1/9/2019	Zr-95	2.58E+00	1.79E+00	6.33E+00	U
WG	W-10	468795010	1/9/2019	Ac-228	1.03E+01	8.02E+00	2.12E+01	U
WG	W-10	468795010	1/9/2019	Ag-108m	-5.30E-01	1.02E+00	3.19E+00	U
WG	W-10	468795010	1/9/2019	Ag-110m	5.09E-01	1.80E+00	6.17E+00	U
WG	W-10	468795010	1/9/2019	Ba-140	-3.07E+00	6.32E+00	1.94E+01	U
WG	W-10	468795010	1/9/2019	Be-7	3.95E+00	9.85E+00	3.29E+01	U
WG	W-10	468795010	1/9/2019	Ce-141	-3.44E+00	2.12E+00	5.60E+00	U
WG	W-10	468795010	1/9/2019	Ce-144	-2.73E+00	7.16E+00	2.20E+01	U
WG	W-10	468795010	1/9/2019	Co-57	-1.26E+00	9.49E-01	2.66E+00	U
WG	W-10	468795010	1/9/2019	Co-58	-1.70E+00	1.33E+00	3.76E+00	U
WG	W-10	468795010	1/9/2019	Co-60	-8.83E-02	1.01E+00	3.24E+00	U
WG	W-10	468795010	1/9/2019	Cr-51	2.05E+00	9.82E+00	3.31E+01	U
WG	W-10	468795010	1/9/2019	Cs-134	2.35E-01	1.45E+00	4.52E+00	U
WG	W-10	468795010	1/9/2019	Cs-137	3.15E-01	1.42E+00	4.58E+00	U
WG	W-10	468795010	1/9/2019	Fe-59	-1.58E+00	2.36E+00	7.06E+00	U
WG	W-10	468795010	1/9/2019	H-3	5.21E+02	4.18E+02	1.28E+03	U
WG	W-10	468795010	1/9/2019	I-131	1.34E+00	2.06E+00	7.01E+00	U
WG	W-10	468795010	1/9/2019	K-40	-2.10E+01	1.87E+01	5.61E+01	U
WG	W-10	468795010	1/9/2019	La-140	6.83E-02	2.33E+00	7.47E+00	U
WG	W-10	468795010	1/9/2019	Mn-54	5.90E-01	1.33E+00	4.24E+00	U
WG	W-10	468795010	1/9/2019	Nb-95	7.05E-01	1.41E+00	4.60E+00	U
WG	W-10	468795010	1/9/2019	Ru-103	7.51E-01	1.21E+00	3.73E+00	U
WG	W-10	468795010	1/9/2019	Ru-106	9.08E+00	9.58E+00	3.27E+01	U
WG	W-10	468795010	1/9/2019	Sb-124	-4.75E-01	2.42E+00	7.89E+00	U
WG	W-10	468795010	1/9/2019	Sb-125	1.98E+00	3.20E+00	1.08E+01	U
WG	W-10	468795010	1/9/2019	Se-75	-1.50E+00	1.51E+00	4.70E+00	U
WG	W-10	468795010	1/9/2019	Th-228	2.13E+00	4.19E+00	6.86E+00	U
WG	W-10	468795010	1/9/2019	Zn-65	-2.01E+00	2.80E+00	7.00E+00	U
WG	W-10	468795010	1/9/2019	Zr-95	5.70E-01	1.86E+00	6.45E+00	U
WG	W-11	468795011	1/9/2019	Ac-228	-9.26E+00	6.48E+00	1.67E+01	U
WG	W-11	468795011	1/9/2019	Ag-108m	-1.28E-01	1.09E+00	3.60E+00	U
WG	W-11	468795011	1/9/2019	Ag-110m	1.33E+00	1.30E+00	4.82E+00	U
WG	W-11	468795011	1/9/2019	Ba-140	-5.40E+00	6.93E+00	2.09E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-11	468795011	1/9/2019	Bc-7	-1.32E+01	1.24E+01	3.65E+01	U
WG	W-11	468795011	1/9/2019	Ce-141	2.63E+00	2.27E+00	7.48E+00	U
WG	W-11	468795011	1/9/2019	Ce-144	-1.84E+00	8.79E+00	2.83E+01	U
WG	W-11	468795011	1/9/2019	Co-57	7.02E-01	1.01E+00	3.37E+00	U
WG	W-11	468795011	1/9/2019	Co-58	-2.44E-01	9.77E-01	2.98E+00	U
WG	W-11	468795011	1/9/2019	Co-60	-1.58E+00	1.43E+00	3.77E+00	U
WG	W-11	468795011	1/9/2019	Cr-51	-2.27E+01	1.27E+01	3.42E+01	U
WG	W-11	468795011	1/9/2019	Cs-134	-1.64E+00	1.41E+00	3.65E+00	U
WG	W-11	468795011	1/9/2019	Cs-137	-3.20E-01	1.42E+00	4.48E+00	U
WG	W-11	468795011	1/9/2019	Fe-59	1.41E+00	2.46E+00	8.68E+00	U
WG	W-11	468795011	1/9/2019	H-3	3.78E+02	4.11E+02	1.29E+03	U
WG	W-11	468795011	1/9/2019	I-131	1.20E+00	2.31E+00	7.99E+00	U
WG	W-11	468795011	1/9/2019	K-40	3.04E+01	2.34E+01	3.92E+01	U
WG	W-11	468795011	1/9/2019	La-140	-2.66E-01	1.96E+00	6.16E+00	U
WG	W-11	468795011	1/9/2019	Mn-54	1.35E+00	1.29E+00	4.65E+00	U
WG	W-11	468795011	1/9/2019	Nb-95	-5.70E-01	1.30E+00	3.92E+00	U
WG	W-11	468795011	1/9/2019	Ru-103	3.22E-01	1.35E+00	4.53E+00	U
WG	W-11	468795011	1/9/2019	Ru-106	1.27E+01	1.21E+01	4.17E+01	U
WG	W-11	468795011	1/9/2019	Sb-124	-6.46E+00	4.82E+00	1.19E+01	U
WG	W-11	468795011	1/9/2019	Sb-125	-2.52E+00	3.41E+00	9.65E+00	U
WG	W-11	468795011	1/9/2019	Se-75	-3.02E+00	2.07E+00	5.43E+00	U
WG	W-11	468795011	1/9/2019	Th-228	7.63E+00	3.57E+00	1.04E+01	U
WG	W-11	468795011	1/9/2019	Zn-65	-2.77E+00	3.30E+00	9.86E+00	U
WG	W-11	468795011	1/9/2019	Zr-95	5.39E+00	2.74E+00	9.42E+00	U
WG	W-12	468795012	1/9/2019	Ac-228	-1.16E+00	4.45E+00	1.44E+01	U
WG	W-12	468795012	1/9/2019	Ag-108m	7.97E-01	8.44E-01	2.95E+00	U
WG	W-12	468795012	1/9/2019	Ag-110m	-2.32E-01	1.54E+00	4.25E+00	U
WG	W-12	468795012	1/9/2019	Ba-140	-4.08E+00	5.19E+00	1.57E+01	U
WG	W-12	468795012	1/9/2019	Be-7	1.34E+01	9.46E+00	3.28E+01	U
WG	W-12	468795012	1/9/2019	Ce-141	1.35E+00	2.03E+00	6.67E+00	U
WG	W-12	468795012	1/9/2019	Ce-144	-3.91E+00	7.08E+00	2.22E+01	U
WG	W-12	468795012	1/9/2019	Co-57	6.67E-02	9.21E-01	3.01E+00	U
WG	W-12	468795012	1/9/2019	Co-58	-1.15E-01	1.09E+00	3.06E+00	U
WG	W-12	468795012	1/9/2019	Co-60	-1.70E+00	1.05E+00	2.34E+00	U
WG	W-12	468795012	1/9/2019	Cr-51	-4.48E-01	9.94E+00	3.39E+01	U
WG	W-12	468795012	1/9/2019	Cs-134	2.98E+00	1.28E+00	4.36E+00	U
WG	W-12	468795012	1/9/2019	Cs-137	-6.85E-02	8.40E-01	2.71E+00	U
WG	W-12	468795012	1/9/2019	Fe-59	3.00E+00	2.22E+00	8.01E+00	U
WG	W-12	468795012	1/9/2019	H-3	-3.90E+02	3.84E+02	1.33E+03	U
WG	W-12	468795012	1/9/2019	I-131	1.53E+00	2.03E+00	7.07E+00	U
WG	W-12	468795012	1/9/2019	K-40	-2.68E+01	1.54E+01	4.00E+01	U
WG	W-12	468795012	1/9/2019	La-140	1.25E+00	2.05E+00	7.10E+00	U
WG	W-12	468795012	1/9/2019	Mn-54	-1.77E+00	1.21E+00	3.04E+00	U
WG	W-12	468795012	1/9/2019	Nb-95	-1.07E+00	1.19E+00	3.43E+00	U
WG	W-12	468795012	1/9/2019	Ru-103	5.55E-01	1.02E+00	3.51E+00	U
WG	W-12	468795012	1/9/2019	Ru-106	1.37E+01	1.06E+01	3.65E+01	U
WG	W-12	468795012	1/9/2019	Sb-124	4.88E+00	2.86E+00	1.06E+01	U
WG	W-12	468795012	1/9/2019	Sb-125	-7.72E-01	2.92E+00	9.62E+00	U
WG	W-12	468795012	1/9/2019	Se-75	-5.59E-01	1.39E+00	4.20E+00	U
WG	W-12	468795012	1/9/2019	Th-228	1.16E+01	6.09E+00	8.20E+00	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-12	468795012	1/9/2019	Zn-65	-1.17E+00	2.46E+00	6.73E+00	U
WG	W-12	468795012	1/9/2019	Zr-95	-7.22E-01	1.89E+00	5.82E+00	U
WG	W-13	468795013	1/9/2019	Ac-228	1.01E+01	7.78E+00	2.25E+01	U
WG	W-13	468795013	1/9/2019	Ag-108m	-2.89E-01	1.08E+00	3.49E+00	U
WG	W-13	468795013	1/9/2019	Ag-110m	4.59E-01	1.66E+00	5.50E+00	U
WG	W-13	468795013	1/9/2019	Ba-140	-4.52E+00	7.19E+00	2.21E+01	U
WG	W-13	468795013	1/9/2019	Bc-7	-5.49E+00	1.08E+01	3.39E+01	U
WG	W-13	468795013	1/9/2019	Ce-141	2.51E+00	4.48E+00	8.30E+00	U
WG	W-13	468795013	1/9/2019	Ce-144	-2.17E+01	1.04E+01	2.82E+01	U
WG	W-13	468795013	1/9/2019	Co-57	1.35E+00	1.17E+00	4.05E+00	U
WG	W-13	468795013	1/9/2019	Co-58	-1.62E+00	1.22E+00	3.02E+00	U
WG	W-13	468795013	1/9/2019	Co-60	7.66E-01	1.43E+00	5.07E+00	U
WG	W-13	468795013	1/9/2019	Cr-51	-7.74E+00	1.54E+01	4.43E+01	U
WG	W-13	468795013	1/9/2019	Cs-134	-3.13E-01	1.52E+00	4.78E+00	U
WG	W-13	468795013	1/9/2019	Cs-137	1.07E+00	1.27E+00	4.39E+00	U
WG	W-13	468795013	1/9/2019	Fe-59	1.03E+00	2.01E+00	7.25E+00	U
WG	W-13	468795013	1/9/2019	H-3	6.89E+02	4.20E+02	1.26E+03	U
WG	W-13	468795013	1/9/2019	I-131	3.23E+00	2.65E+00	9.08E+00	U
WG	W-13	468795013	1/9/2019	K-40	-5.13E+01	2.53E+01	7.30E+01	U
WG	W-13	468795013	1/9/2019	La-140	-1.29E+00	2.79E+00	8.74E+00	U
WG	W-13	468795013	1/9/2019	Mn-54	2.01E+00	1.39E+00	4.85E+00	U
WG	W-13	468795013	1/9/2019	Nb-95	2.23E-01	2.00E+00	4.77E+00	U
WG	W-13	468795013	1/9/2019	Ru-103	1.09E+00	1.32E+00	4.53E+00	U
WG	W-13	468795013	1/9/2019	Ru-106	-1.56E+01	1.33E+01	3.13E+01	U
WG	W-13	468795013	1/9/2019	Sb-124	1.61E-01	3.42E+00	1.15E+01	U
WG	W-13	468795013	1/9/2019	Sb-125	7.01E+00	4.10E+00	1.39E+01	U
WG	W-13	468795013	1/9/2019	Se-75	-3.35E+00	1.81E+00	4.83E+00	U
WG	W-13	468795013	1/9/2019	Th-228	4.28E+00	4.29E+00	1.11E+01	U
WG	W-13	468795013	1/9/2019	Zn-65	-3.12E+00	2.88E+00	8.30E+00	U
WG	W-13	468795013	1/9/2019	Zr-95	-6.46E-01	1.83E+00	4.85E+00	U
WG	W-14	468795014	1/9/2019	Ac-228	1.25E+00	8.40E+00	2.05E+01	U
WG	W-14	468795014	1/9/2019	Ag-108m	1.19E+00	1.18E+00	3.99E+00	U
WG	W-14	468795014	1/9/2019	Ag-110m	-8.15E-01	1.86E+00	5.07E+00	U
WG	W-14	468795014	1/9/2019	Ba-140	-3.31E+00	6.91E+00	2.11E+01	U
WG	W-14	468795014	1/9/2019	Bc-7	-2.37E+01	1.38E+01	3.51E+01	U
WG	W-14	468795014	1/9/2019	Ce-141	-4.30E+00	2.74E+00	7.30E+00	U
WG	W-14	468795014	1/9/2019	Ce-144	-6.93E+00	9.63E+00	2.87E+01	U
WG	W-14	468795014	1/9/2019	Co-57	-5.33E-01	1.25E+00	3.83E+00	U
WG	W-14	468795014	1/9/2019	Co-58	-7.66E-01	1.23E+00	3.83E+00	U
WG	W-14	468795014	1/9/2019	Co-60	0.00E+00	0.00E+00	4.65E+00	U
WG	W-14	468795014	1/9/2019	Cr-51	-1.11E+01	1.24E+01	3.81E+01	U
WG	W-14	468795014	1/9/2019	Cs-134	6.13E-01	1.40E+00	4.82E+00	U
WG	W-14	468795014	1/9/2019	Cs-137	-1.66E-03	1.43E+00	4.82E+00	U
WG	W-14	468795014	1/9/2019	Fe-59	-2.00E+00	2.45E+00	6.97E+00	U
WG	W-14	468795014	1/9/2019	H-3	2.94E+02	4.04E+02	1.28E+03	U
WG	W-14	468795014	1/9/2019	I-131	9.47E-01	2.53E+00	8.46E+00	U
WG	W-14	468795014	1/9/2019	K-40	-6.51E+00	1.63E+01	5.76E+01	U
WG	W-14	468795014	1/9/2019	La-140	-2.78E-01	2.70E+00	8.91E+00	U
WG	W-14	468795014	1/9/2019	Mn-54	2.07E-01	1.36E+00	4.43E+00	U
WG	W-14	468795014	1/9/2019	Nb-95	-1.35E+00	1.57E+00	4.49E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-14	468795014	1/9/2019	Ru-103	-1.73E+00	1.75E+00	4.37E+00	U
WG	W-14	468795014	1/9/2019	Ru-106	-3.96E+00	1.07E+01	3.51E+01	U
WG	W-14	468795014	1/9/2019	Sb-124	-2.66E+00	3.21E+00	9.14E+00	U
WG	W-14	468795014	1/9/2019	Sb-125	1.96E+00	3.72E+00	1.24E+01	U
WG	W-14	468795014	1/9/2019	Se-75	1.41E+00	1.72E+00	5.88E+00	U
WG	W-14	468795014	1/9/2019	Th-228	2.57E+00	4.35E+00	7.12E+00	U
WG	W-14	468795014	1/9/2019	Zn-65	1.99E+00	3.00E+00	9.31E+00	U
WG	W-14	468795014	1/9/2019	Zr-95	-1.46E+00	2.25E+00	7.01E+00	U
WG	W-15	468795015	1/9/2019	Ac-228	-4.58E+00	5.41E+00	1.65E+01	U
WG	W-15	468795015	1/9/2019	Ag-108m	-3.72E-01	9.84E-01	3.15E+00	U
WG	W-15	468795015	1/9/2019	Ag-110m	-1.90E+00	1.39E+00	3.71E+00	U
WG	W-15	468795015	1/9/2019	Ba-140	2.89E+00	5.87E+00	1.97E+01	U
WG	W-15	468795015	1/9/2019	Be-7	-1.42E+01	1.04E+01	2.89E+01	U
WG	W-15	468795015	1/9/2019	Ce-141	1.21E+00	2.22E+00	7.19E+00	U
WG	W-15	468795015	1/9/2019	Ce-144	9.26E+00	7.94E+00	2.58E+01	U
WG	W-15	468795015	1/9/2019	Co-57	-1.20E+00	1.10E+00	3.24E+00	U
WG	W-15	468795015	1/9/2019	Co-58	1.33E+00	1.17E+00	4.17E+00	U
WG	W-15	468795015	1/9/2019	Co-60	2.94E+00	1.45E+00	5.18E+00	U
WG	W-15	468795015	1/9/2019	Cr-51	-1.08E+01	1.11E+01	3.44E+01	U
WG	W-15	468795015	1/9/2019	Cs-134	-1.11E+00	1.05E+00	3.05E+00	U
WG	W-15	468795015	1/9/2019	Cs-137	1.76E-01	1.22E+00	3.95E+00	U
WG	W-15	468795015	1/9/2019	Fe-59	-2.85E+00	2.00E+00	4.81E+00	U
WG	W-15	468795015	1/9/2019	H-3	4.00E+02	3.92E+02	1.22E+03	U
WG	W-15	468795015	1/9/2019	I-131	5.96E+00	3.45E+00	6.18E+00	U
WG	W-15	468795015	1/9/2019	K-40	2.67E+01	1.94E+01	3.21E+01	U
WG	W-15	468795015	1/9/2019	La-140	-7.63E-01	2.09E+00	6.29E+00	U
WG	W-15	468795015	1/9/2019	Mn-54	2.68E-01	8.33E-01	2.91E+00	U
WG	W-15	468795015	1/9/2019	Nb-95	-7.93E-01	1.17E+00	3.17E+00	U
WG	W-15	468795015	1/9/2019	Ru-103	-3.08E+00	1.40E+00	3.70E+00	U
WG	W-15	468795015	1/9/2019	Ru-106	2.01E+01	1.30E+01	3.88E+01	U
WG	W-15	468795015	1/9/2019	Sb-124	1.11E+00	2.05E+00	7.49E+00	U
WG	W-15	468795015	1/9/2019	Sb-125	2.86E+00	2.47E+00	8.63E+00	U
WG	W-15	468795015	1/9/2019	Se-75	4.83E-01	1.44E+00	4.96E+00	U
WG	W-15	468795015	1/9/2019	Th-228	7.77E+00	4.15E+00	7.42E+00	UI
WG	W-15	468795015	1/9/2019	Zn-65	1.28E+00	1.71E+00	5.71E+00	U
WG	W-15	468795015	1/9/2019	Zr-95	-1.39E+00	2.14E+00	6.32E+00	U
WG	MW-20	468795016	1/9/2019	Ac-228	-7.16E+00	5.44E+00	1.54E+01	U
WG	MW-20	468795016	1/9/2019	Ag-108m	2.40E-01	9.07E-01	3.06E+00	U
WG	MW-20	468795016	1/9/2019	Ag-110m	2.78E-01	1.50E+00	4.84E+00	U
WG	MW-20	468795016	1/9/2019	Ba-140	-1.44E-01	5.53E+00	1.81E+01	U
WG	MW-20	468795016	1/9/2019	Be-7	-1.19E+00	1.01E+01	3.32E+01	U
WG	MW-20	468795016	1/9/2019	Ce-141	8.70E-01	2.02E+00	6.51E+00	U
WG	MW-20	468795016	1/9/2019	Ce-144	7.42E+00	7.28E+00	2.36E+01	U
WG	MW-20	468795016	1/9/2019	Co-57	-1.66E-01	9.56E-01	3.04E+00	U
WG	MW-20	468795016	1/9/2019	Co-58	-6.96E-01	1.15E+00	3.42E+00	U
WG	MW-20	468795016	1/9/2019	Co-60	2.01E+00	1.17E+00	4.26E+00	U
WG	MW-20	468795016	1/9/2019	Cr-51	6.63E+00	1.07E+01	3.67E+01	U
WG	MW-20	468795016	1/9/2019	Cs-134	1.97E+00	1.21E+00	4.15E+00	U
WG	MW-20	468795016	1/9/2019	Cs-137	-5.04E-01	1.17E+00	3.64E+00	U
WG	MW-20	468795016	1/9/2019	Fe-59	-2.86E+00	2.09E+00	5.58E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	MW-20	468795016	1/9/2019	H-3	4.17E+02	3.99E+02	1.24E+03	U
WG	MW-20	468795016	1/9/2019	I-131	3.34E+00	2.16E+00	7.35E+00	U
WG	MW-20	468795016	1/9/2019	K-40	4.28E+01	2.81E+01	3.39E+01	UI
WG	MW-20	468795016	1/9/2019	La-140	6.20E-01	1.75E+00	5.96E+00	U
WG	MW-20	468795016	1/9/2019	Mn-54	-2.50E+00	1.33E+00	3.05E+00	U
WG	MW-20	468795016	1/9/2019	Nb-95	-2.26E+00	1.27E+00	3.00E+00	U
WG	MW-20	468795016	1/9/2019	Ru-103	-1.76E+00	1.12E+00	2.98E+00	U
WG	MW-20	468795016	1/9/2019	Ru-106	1.21E+01	9.57E+00	3.28E+01	U
WG	MW-20	468795016	1/9/2019	Sb-124	-3.68E+00	2.10E+00	3.22E+00	U
WG	MW-20	468795016	1/9/2019	Sb-125	1.31E-02	2.73E+00	9.09E+00	U
WG	MW-20	468795016	1/9/2019	Se-75	-1.91E+00	1.47E+00	4.49E+00	U
WG	MW-20	468795016	1/9/2019	Th-228	2.23E+00	2.67E+00	7.29E+00	U
WG	MW-20	468795016	1/9/2019	Zn-65	1.00E+00	2.24E+00	6.99E+00	U
WG	MW-20	468795016	1/9/2019	Zr-95	4.21E-01	2.07E+00	6.76E+00	U
WG	MW-21	468795017	1/9/2019	Ac-228	2.18E+01	1.54E+01	1.75E+01	UI
WG	MW-21	468795017	1/9/2019	Ag-108m	-1.53E+00	1.16E+00	2.86E+00	U
WG	MW-21	468795017	1/9/2019	Ag-110m	1.79E+00	2.53E+00	4.56E+00	U
WG	MW-21	468795017	1/9/2019	Ba-140	-7.06E+00	5.81E+00	1.63E+01	U
WG	MW-21	468795017	1/9/2019	Be-7	3.43E+00	8.92E+00	2.98E+01	U
WG	MW-21	468795017	1/9/2019	Ce-141	8.79E-01	2.07E+00	6.65E+00	U
WG	MW-21	468795017	1/9/2019	Ce-144	-2.94E+00	7.56E+00	2.36E+01	U
WG	MW-21	468795017	1/9/2019	Co-57	5.53E-01	9.08E-01	2.95E+00	U
WG	MW-21	468795017	1/9/2019	Co-58	-1.74E+00	1.05E+00	2.73E+00	U
WG	MW-21	468795017	1/9/2019	Co-60	-7.09E-01	1.18E+00	3.53E+00	U
WG	MW-21	468795017	1/9/2019	Cr-51	-4.54E+00	1.02E+01	3.16E+01	U
WG	MW-21	468795017	1/9/2019	Cs-134	1.69E+00	1.26E+00	4.41E+00	U
WG	MW-21	468795017	1/9/2019	Cs-137	-2.26E-01	1.09E+00	3.42E+00	U
WG	MW-21	468795017	1/9/2019	Fe-59	-4.71E+00	2.85E+00	7.24E+00	U
WG	MW-21	468795017	1/9/2019	H-3	4.89E+01	3.77E+02	1.23E+03	U
WG	MW-21	468795017	1/9/2019	I-131	1.28E+00	1.98E+00	6.74E+00	U
WG	MW-21	468795017	1/9/2019	K-40	-2.16E+00	1.56E+01	5.58E+01	U
WG	MW-21	468795017	1/9/2019	La-140	3.17E-01	1.57E+00	5.42E+00	U
WG	MW-21	468795017	1/9/2019	Mn-54	-9.72E-01	9.17E-01	2.69E+00	U
WG	MW-21	468795017	1/9/2019	Nb-95	6.72E-01	1.10E+00	3.83E+00	U
WG	MW-21	468795017	1/9/2019	Ru-103	8.61E-01	1.07E+00	3.32E+00	U
WG	MW-21	468795017	1/9/2019	Ru-106	-7.31E+00	9.85E+00	2.92E+01	U
WG	MW-21	468795017	1/9/2019	Sb-124	-4.12E-01	2.54E+00	8.34E+00	U
WG	MW-21	468795017	1/9/2019	Sb-125	-2.74E+00	3.38E+00	8.92E+00	U
WG	MW-21	468795017	1/9/2019	Se-75	4.98E-02	1.31E+00	4.47E+00	U
WG	MW-21	468795017	1/9/2019	Th-228	2.49E+00	3.67E+00	6.84E+00	U
WG	MW-21	468795017	1/9/2019	Zn-65	3.57E+00	2.44E+00	8.01E+00	U
WG	MW-21	468795017	1/9/2019	Zr-95	-1.02E+00	1.89E+00	6.09E+00	U
WG	W-4	469160001	1/15/2019	Ac-228	-3.08E+00	6.14E+00	2.02E+01	U
WG	W-4	469160001	1/15/2019	Ag-108m	-6.91E-01	1.08E+00	3.28E+00	U
WG	W-4	469160001	1/15/2019	Ag-110m	4.98E-01	1.44E+00	4.93E+00	U
WG	W-4	469160001	1/15/2019	Ba-140	-2.05E+00	5.71E+00	1.76E+01	U
WG	W-4	469160001	1/15/2019	Be-7	-5.00E+00	1.14E+01	3.53E+01	U
WG	W-4	469160001	1/15/2019	Ce-141	-3.66E+00	2.86E+00	7.77E+00	U
WG	W-4	469160001	1/15/2019	Ce-144	1.07E+01	8.99E+00	2.88E+01	U
WG	W-4	469160001	1/15/2019	Co-57	-1.87E+00	1.21E+00	3.24E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-4	469160001	1/15/2019	Co-58	-1.16E-01	1.23E+00	4.06E+00	U
WG	W-4	469160001	1/15/2019	Co-60	1.04E+00	1.50E+00	5.14E+00	U
WG	W-4	469160001	1/15/2019	Cr-51	2.41E+01	1.33E+01	4.41E+01	U
WG	W-4	469160001	1/15/2019	Cs-134	-3.98E-01	1.43E+00	4.65E+00	U
WG	W-4	469160001	1/15/2019	Cs-137	4.06E-01	1.25E+00	4.32E+00	U
WG	W-4	469160001	1/15/2019	Fe-59	-7.74E-01	2.22E+00	6.88E+00	U
WG	W-4	469160001	1/15/2019	H-3	3.20E+02	4.35E+02	1.38E+03	U
WG	W-4	469160001	1/15/2019	I-131	-2.50E+00	2.17E+00	6.31E+00	U
WG	W-4	469160001	1/15/2019	K-40	2.75E+01	2.49E+01	8.05E+01	U
WG	W-4	469160001	1/15/2019	La-140	-6.37E+00	2.55E+00	2.95E+00	U
WG	W-4	469160001	1/15/2019	Mn-54	1.01E+00	1.29E+00	4.48E+00	U
WG	W-4	469160001	1/15/2019	Nb-95	9.41E-02	1.18E+00	3.98E+00	U
WG	W-4	469160001	1/15/2019	Ru-103	-1.18E+00	1.35E+00	3.70E+00	U
WG	W-4	469160001	1/15/2019	Ru-106	-1.33E+01	1.10E+01	3.23E+01	U
WG	W-4	469160001	1/15/2019	Sb-124	-6.01E-01	3.39E+00	1.10E+01	U
WG	W-4	469160001	1/15/2019	Sb-125	7.79E+00	3.41E+00	1.13E+01	U
WG	W-4	469160001	1/15/2019	Se-75	6.83E-01	1.58E+00	5.41E+00	U
WG	W-4	469160001	1/15/2019	Th-228	2.55E+00	2.94E+00	9.94E+00	U
WG	W-4	469160001	1/15/2019	Zn-65	-2.62E+00	2.82E+00	6.37E+00	U
WG	W-4	469160001	1/15/2019	Zr-95	2.14E+00	2.24E+00	7.93E+00	U
WG	W-5	469160002	1/15/2019	Ac-228	9.84E+00	6.06E+00	1.87E+01	U
WG	W-5	469160002	1/15/2019	Ag-108m	-7.20E-01	1.21E+00	3.30E+00	U
WG	W-5	469160002	1/15/2019	Ag-110m	6.21E-01	1.89E+00	5.77E+00	U
WG	W-5	469160002	1/15/2019	Ba-140	1.02E+01	8.75E+00	1.71E+01	U
WG	W-5	469160002	1/15/2019	Be-7	3.16E+00	1.01E+01	3.35E+01	U
WG	W-5	469160002	1/15/2019	Ce-141	-2.09E-02	1.96E+00	5.63E+00	U
WG	W-5	469160002	1/15/2019	Ce-144	7.60E+00	1.00E+01	2.40E+01	U
WG	W-5	469160002	1/15/2019	Co-57	7.76E-01	8.76E-01	2.82E+00	U
WG	W-5	469160002	1/15/2019	Co-58	-1.78E+00	1.20E+00	3.22E+00	U
WG	W-5	469160002	1/15/2019	Co-60	-1.48E-01	1.19E+00	3.81E+00	U
WG	W-5	469160002	1/15/2019	Cr-51	-7.87E+00	1.15E+01	3.08E+01	U
WG	W-5	469160002	1/15/2019	Cs-134	-1.26E-01	1.70E+00	5.01E+00	U
WG	W-5	469160002	1/15/2019	Cs-137	1.63E+00	9.83E-01	3.83E+00	U
WG	W-5	469160002	1/15/2019	Fe-59	8.43E-01	2.33E+00	7.97E+00	U
WG	W-5	469160002	1/15/2019	H-3	6.26E+02	4.59E+02	1.41E+03	U
WG	W-5	469160002	1/15/2019	I-131	-2.04E-01	1.94E+00	6.37E+00	U
WG	W-5	469160002	1/15/2019	K-40	5.52E+00	1.56E+01	5.56E+01	U
WG	W-5	469160002	1/15/2019	La-140	-1.20E+00	2.49E+00	7.45E+00	U
WG	W-5	469160002	1/15/2019	Mn-54	-1.41E+00	1.34E+00	3.95E+00	U
WG	W-5	469160002	1/15/2019	Nb-95	-3.62E+00	1.53E+00	3.16E+00	U
WG	W-5	469160002	1/15/2019	Ru-103	-6.62E-01	1.17E+00	3.60E+00	U
WG	W-5	469160002	1/15/2019	Ru-106	-2.11E+01	1.11E+01	2.43E+01	U
WG	W-5	469160002	1/15/2019	Sb-124	-2.66E+00	2.81E+00	7.91E+00	U
WG	W-5	469160002	1/15/2019	Sb-125	-5.68E+00	3.34E+00	8.63E+00	U
WG	W-5	469160002	1/15/2019	Se-75	2.26E-01	1.33E+00	4.52E+00	U
WG	W-5	469160002	1/15/2019	Th-228	-1.76E+00	2.38E+00	7.53E+00	U
WG	W-5	469160002	1/15/2019	Zn-65	-6.66E-04	2.56E+00	8.43E+00	U
WG	W-5	469160002	1/15/2019	Zr-95	-3.22E+00	2.06E+00	5.41E+00	U
WG	W-6	469160003	1/15/2019	Ac-228	1.85E+01	8.94E+00	2.24E+01	U
WG	W-6	469160003	1/15/2019	Ag-108m	1.25E+00	1.39E+00	4.65E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	W-6	469160003	1/15/2019	Ag-110m	-1.54E+00	2.19E+00	5.34E+00	U
WG	W-6	469160003	1/15/2019	Ba-140	-4.52E+00	6.74E+00	2.13E+01	U
WG	W-6	469160003	1/15/2019	Be-7	-1.69E+01	1.65E+01	4.83E+01	U
WG	W-6	469160003	1/15/2019	Ce-141	-6.34E+00	3.37E+00	8.54E+00	U
WG	W-6	469160003	1/15/2019	Ce-144	5.90E+00	1.13E+01	3.72E+01	U
WG	W-6	469160003	1/15/2019	Co-57	2.38E+00	1.56E+00	5.02E+00	U
WG	W-6	469160003	1/15/2019	Co-58	2.03E+00	1.12E+00	5.48E+00	U
WG	W-6	469160003	1/15/2019	Co-60	3.91E+00	1.80E+00	6.36E+00	U
WG	W-6	469160003	1/15/2019	Cr-51	-1.03E+01	1.38E+01	4.31E+01	U
WG	W-6	469160003	1/15/2019	Cs-134	2.02E+00	1.80E+00	6.19E+00	U
WG	W-6	469160003	1/15/2019	Cs-137	4.62E-01	1.42E+00	4.81E+00	U
WG	W-6	469160003	1/15/2019	Fe-59	1.18E-01	2.79E+00	9.33E+00	U
WG	W-6	469160003	1/15/2019	H-3	5.17E+02	4.39E+02	1.36E+03	U
WG	W-6	469160003	1/15/2019	I-131	1.00E-01	3.27E+00	9.42E+00	U
WG	W-6	469160003	1/15/2019	K-40	5.32E+00	2.23E+01	7.66E+01	U
WG	W-6	469160003	1/15/2019	La-140	-2.35E+00	2.28E+00	6.28E+00	U
WG	W-6	469160003	1/15/2019	Mn-54	4.84E-01	1.60E+00	5.31E+00	U
WG	W-6	469160003	1/15/2019	Nb-95	9.46E-01	1.89E+00	6.34E+00	U
WG	W-6	469160003	1/15/2019	Ru-103	-1.98E-01	1.72E+00	5.47E+00	U
WG	W-6	469160003	1/15/2019	Ru-106	-3.93E-01	1.21E+01	4.03E+01	U
WG	W-6	469160003	1/15/2019	Sb-124	6.06E+00	4.48E+00	1.62E+01	U
WG	W-6	469160003	1/15/2019	Sb-125	-4.13E+00	3.91E+00	1.13E+01	U
WG	W-6	469160003	1/15/2019	Se-75	8.46E-01	2.08E+00	7.07E+00	U
WG	W-6	469160003	1/15/2019	Th-228	-7.16E+00	3.72E+00	1.04E+01	U
WG	W-6	469160003	1/15/2019	Zn-65	1.49E+00	3.89E+00	1.17E+01	U
WG	W-6	469160003	1/15/2019	Zr-95	-1.74E+00	2.84E+00	8.74E+00	U
WG	SG-1	469160004	1/15/2019	Ac-228	3.05E+01	1.20E+01	2.01E+01	UI
WG	SG-1	469160004	1/15/2019	Ag-108m	-4.73E-01	1.13E+00	3.50E+00	U
WG	SG-1	469160004	1/15/2019	Ag-110m	-9.35E-01	1.75E+00	5.53E+00	U
WG	SG-1	469160004	1/15/2019	ALPHA	8.50E-01	2.11E+00	6.81E+00	UDL
WG	SG-1	469160004	1/15/2019	Ba-140	7.38E+00	8.15E+00	2.08E+01	U
WG	SG-1	469160004	1/15/2019	Be-7	1.49E+01	1.13E+01	3.79E+01	U
WG	SG-1	469160004	1/15/2019	BETA	4.48E+00	1.01E+00	2.66E+00	U
WG	SG-1	469160004	1/15/2019	Ce-141	2.41E-01	2.52E+00	7.58E+00	U
WG	SG-1	469160004	1/15/2019	Ce-144	-9.99E-01	8.62E+00	2.87E+01	U
WG	SG-1	469160004	1/15/2019	Co-57	3.86E-02	1.11E+00	3.74E+00	U
WG	SG-1	469160004	1/15/2019	Co-58	-3.05E-01	1.06E+00	3.44E+00	U
WG	SG-1	469160004	1/15/2019	Co-60	-3.92E-01	1.52E+00	4.84E+00	U
WG	SG-1	469160004	1/15/2019	Cr-51	-2.09E+00	1.15E+01	3.69E+01	U
WG	SG-1	469160004	1/15/2019	Cs-134	-3.03E-01	1.49E+00	4.93E+00	U
WG	SG-1	469160004	1/15/2019	Cs-137	1.08E+00	1.31E+00	4.63E+00	U
WG	SG-1	469160004	1/15/2019	Fe-59	5.04E-01	1.76E+00	6.05E+00	U
WG	SG-1	469160004	1/15/2019	H-3	3.60E+02	4.34E+02	1.37E+03	U
WG	SG-1	469160004	1/15/2019	I-131	5.31E-01	2.23E+00	7.31E+00	U
WG	SG-1	469160004	1/15/2019	K-40	2.55E+00	1.62E+01	5.83E+01	U
WG	SG-1	469160004	1/15/2019	La-140	3.07E+00	2.18E+00	7.95E+00	U
WG	SG-1	469160004	1/15/2019	Mn-54	1.85E+00	1.24E+00	4.43E+00	U
WG	SG-1	469160004	1/15/2019	Nb-95	1.37E+00	1.46E+00	5.12E+00	U
WG	SG-1	469160004	1/15/2019	Ru-103	-7.22E-01	1.23E+00	3.70E+00	U
WG	SG-1	469160004	1/15/2019	Ru-106	1.71E+00	1.22E+01	4.19E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	SG-1	469160004	1/15/2019	Sb-124	3.08E+00	3.08E+00	1.11E+01	U
WG	SG-1	469160004	1/15/2019	Sb-125	4.44E+00	3.15E+00	1.07E+01	U
WG	SG-1	469160004	1/15/2019	Se-75	1.94E+00	1.70E+00	5.69E+00	U
WG	SG-1	469160004	1/15/2019	Th-228	-2.11E+00	3.08E+00	9.60E+00	U
WG	SG-1	469160004	1/15/2019	Zn-65	-3.25E+00	2.90E+00	8.13E+00	U
WG	SG-1	469160004	1/15/2019	Zr-95	1.99E+00	2.22E+00	7.87E+00	U
WG	SG-2	469160005	1/15/2019	Ac-228	-4.95E+00	6.21E+00	1.97E+01	U
WG	SG-2	469160005	1/15/2019	Ag-108m	4.79E-01	9.82E-01	3.30E+00	U
WG	SG-2	469160005	1/15/2019	Ag-110m	-6.16E-01	1.66E+00	5.29E+00	U
WG	SG-2	469160005	1/15/2019	ALPHA	1.54E+00	8.79E-01	2.64E+00	U
WG	SG-2	469160005	1/15/2019	Ba-140	2.45E+01	1.02E+01	2.58E+01	U
WG	SG-2	469160005	1/15/2019	Be-7	-1.67E+01	1.15E+01	3.03E+01	U
WG	SG-2	469160005	1/15/2019	BETA	2.43E+00	6.02E-01	1.70E+00	M
WG	SG-2	469160005	1/15/2019	Ce-141	-1.90E+00	2.83E+00	8.22E+00	U
WG	SG-2	469160005	1/15/2019	Ce-144	-7.40E+00	8.81E+00	2.59E+01	U
WG	SG-2	469160005	1/15/2019	Co-57	8.25E-02	1.13E+00	3.56E+00	U
WG	SG-2	469160005	1/15/2019	Co-58	3.46E-01	1.11E+00	3.79E+00	U
WG	SG-2	469160005	1/15/2019	Co-60	1.87E+00	1.27E+00	4.66E+00	U
WG	SG-2	469160005	1/15/2019	Cr-51	1.08E+01	1.25E+01	4.25E+01	U
WG	SG-2	469160005	1/15/2019	Cs-134	4.52E-01	1.15E+00	3.96E+00	U
WG	SG-2	469160005	1/15/2019	Cs-137	-8.68E-01	9.94E-01	2.98E+00	U
WG	SG-2	469160005	1/15/2019	Fe-59	-3.68E+00	2.47E+00	5.81E+00	U
WG	SG-2	469160005	1/15/2019	H-3	6.91E+02	4.60E+02	1.39E+03	U
WG	SG-2	469160005	1/15/2019	I-131	-3.03E-01	2.21E+00	7.19E+00	U
WG	SG-2	469160005	1/15/2019	K-40	1.82E+01	1.88E+01	6.62E+01	U
WG	SG-2	469160005	1/15/2019	La-140	1.17E+00	2.76E+00	8.51E+00	U
WG	SG-2	469160005	1/15/2019	Mn-54	2.20E-01	1.31E+00	4.41E+00	U
WG	SG-2	469160005	1/15/2019	Nb-95	-1.76E+00	1.27E+00	3.47E+00	U
WG	SG-2	469160005	1/15/2019	Ru-103	-1.52E+00	1.58E+00	4.39E+00	U
WG	SG-2	469160005	1/15/2019	Ru-106	-9.57E+00	1.18E+01	3.72E+01	U
WG	SG-2	469160005	1/15/2019	Sb-124	-1.59E+00	3.05E+00	9.26E+00	U
WG	SG-2	469160005	1/15/2019	Sb-125	4.57E-01	3.46E+00	1.13E+01	U
WG	SG-2	469160005	1/15/2019	Se-75	1.99E+00	1.70E+00	5.82E+00	U
WG	SG-2	469160005	1/15/2019	Th-228	1.01E+00	4.40E+00	1.00E+01	U
WG	SG-2	469160005	1/15/2019	Zn-65	1.03E+00	2.45E+00	8.10E+00	U
WG	SG-2	469160005	1/15/2019	Zr-95	-2.16E+00	2.13E+00	6.21E+00	U
WG	SG-4	469160006	1/15/2019	Ac-228	-8.97E+00	5.91E+00	1.68E+01	U
WG	SG-4	469160006	1/15/2019	Ag-108m	6.39E-01	1.10E+00	3.80E+00	U
WG	SG-4	469160006	1/15/2019	Ag-110m	-6.23E-01	1.04E+00	3.14E+00	U
WG	SG-4	469160006	1/15/2019	ALPHA	3.47E+00	1.10E+00	2.80E+00	M
WG	SG-4	469160006	1/15/2019	Ba-140	-3.74E+00	6.13E+00	1.89E+01	U
WG	SG-4	469160006	1/15/2019	Be-7	1.01E+01	9.81E+00	3.44E+01	U
WG	SG-4	469160006	1/15/2019	BETA	5.88E+00	8.24E-01	1.63E+00	
WG	SG-4	469160006	1/15/2019	Ce-141	3.35E-01	1.98E+00	6.52E+00	U
WG	SG-4	469160006	1/15/2019	Ce-144	-4.50E-01	7.62E+00	2.49E+01	U
WG	SG-4	469160006	1/15/2019	Co-57	1.64E+00	1.07E+00	3.55E+00	U
WG	SG-4	469160006	1/15/2019	Co-58	-4.95E-01	1.51E+00	4.64E+00	U
WG	SG-4	469160006	1/15/2019	Co-60	-2.59E+00	1.54E+00	3.35E+00	U
WG	SG-4	469160006	1/15/2019	Cr-51	1.26E+01	1.11E+01	3.90E+01	U
WG	SG-4	469160006	1/15/2019	Cs-134	8.87E-01	9.16E-01	3.31E+00	U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC (pCi/L)	FLAG
WG	SG-4	469160006	1/15/2019	Cs-137	-6.08E-01	1.49E+00	4.06E+00	U
WG	SG-4	469160006	1/15/2019	Fe-59	-3.09E+00	2.61E+00	7.06E+00	U
WG	SG-4	469160006	1/15/2019	H-3	-4.18E+01	4.11E+02	1.36E+03	U
WG	SG-4	469160006	1/15/2019	I-131	7.80E-01	1.83E+00	6.38E+00	U
WG	SG-4	469160006	1/15/2019	K-40	-1.62E+01	1.74E+01	5.84E+01	U
WG	SG-4	469160006	1/15/2019	La-140	-1.65E+00	1.63E+00	3.80E+00	U
WG	SG-4	469160006	1/15/2019	Mn-54	-8.97E-01	1.55E+00	3.98E+00	U
WG	SG-4	469160006	1/15/2019	Nb-95	5.77E-01	1.20E+00	4.03E+00	U
WG	SG-4	469160006	1/15/2019	Ru-103	9.24E-01	1.32E+00	4.56E+00	U
WG	SG-4	469160006	1/15/2019	Ru-106	-5.35E+00	9.50E+00	2.87E+01	U
WG	SG-4	469160006	1/15/2019	Sb-124	-4.00E+00	3.17E+00	7.10E+00	U
WG	SG-4	469160006	1/15/2019	Sb-125	-1.99E-01	3.04E+00	1.02E+01	U
WG	SG-4	469160006	1/15/2019	Se-75	-1.79E+00	1.70E+00	4.74E+00	U
WG	SG-4	469160006	1/15/2019	Th-228	3.55E+00	3.74E+00	8.88E+00	U
WG	SG-4	469160006	1/15/2019	Zn-65	-3.41E-01	2.66E+00	8.75E+00	U
WG	SG-4	469160006	1/15/2019	Zr-95	1.74E+00	2.16E+00	7.44E+00	U
WG	SG-5	469160007	1/15/2019	Ac-228	-4.20E-01	6.37E+00	1.96E+01	U
WG	SG-5	469160007	1/15/2019	Ag-108m	-3.99E-01	1.25E+00	3.98E+00	U
WG	SG-5	469160007	1/15/2019	Ag-110m	9.40E-01	1.58E+00	5.53E+00	U
WG	SG5	469160007	1/15/2019	ALPHA	1.11E+00	1.18E+00	4.02E+00	UDL
WG	SG-5	469160007	1/15/2019	Ba-140	8.06E+00	8.02E+00	1.97E+01	U
WG	SG-5	469160007	1/15/2019	Be-7	-1.01E+01	1.15E+01	3.35E+01	U
WG	SG-5	469160007	1/15/2019	BETA	1.48E+01	1.52E+00	1.96E+00	
WG	SG-5	469160007	1/15/2019	Ce-141	-1.67E-01	2.65E+00	7.61E+00	U
WG	SG-5	469160007	1/15/2019	Ce-144	8.90E+00	1.01E+01	3.23E+01	U
WG	SG-5	469160007	1/15/2019	Co-57	1.20E+00	1.21E+00	3.90E+00	U
WG	SG-5	469160007	1/15/2019	Co-58	-2.89E-01	1.25E+00	4.07E+00	U
WG	SG-5	469160007	1/15/2019	Co-60	-5.99E-01	1.56E+00	4.73E+00	U
WG	SG-5	469160007	1/15/2019	Cr-51	5.88E+00	1.25E+01	4.22E+01	U
WG	SG-5	469160007	1/15/2019	Cs-134	-4.44E-01	1.33E+00	4.28E+00	U
WG	SG-5	469160007	1/15/2019	Cs-137	9.32E-02	1.37E+00	4.66E+00	U
WG	SG-5	469160007	1/15/2019	Fe-59	3.68E+00	2.58E+00	9.33E+00	U
WG	SG-5	469160007	1/15/2019	H-3	2.76E+02	4.21E+02	1.34E+03	U
WG	SG-5	469160007	1/15/2019	I-131	-2.06E+00	2.10E+00	6.23E+00	U
WG	SG-5	469160007	1/15/2019	K-40	3.69E+01	2.68E+01	4.98E+01	U
WG	SG-5	469160007	1/15/2019	La-140	-1.93E-01	2.32E+00	7.67E+00	U
WG	SG-5	469160007	1/15/2019	Mn-54	3.89E-01	1.31E+00	4.34E+00	U
WG	SG-5	469160007	1/15/2019	Nb-95	1.51E+00	1.36E+00	4.81E+00	U
WG	SG-5	469160007	1/15/2019	Ru-103	8.10E-01	1.34E+00	4.47E+00	U
WG	SG-5	469160007	1/15/2019	Ru-106	4.80E+00	1.45E+01	4.21E+01	U
WG	SG-5	469160007	1/15/2019	Sb-124	-6.80E+00	3.59E+00	6.80E+00	U
WG	SG-5	469160007	1/15/2019	Sb-125	1.75E+00	3.70E+00	1.24E+01	U
WG	SG-5	469160007	1/15/2019	Se-75	-3.38E+00	1.99E+00	5.54E+00	U
WG	SG-5	469160007	1/15/2019	Th-228	3.00E+00	3.23E+00	1.07E+01	U
WG	SG-5	469160007	1/15/2019	Zn-65	-3.47E+00	2.86E+00	7.51E+00	U
WG	SG-5	469160007	1/15/2019	Zr-95	3.12E-01	1.80E+00	6.14E+00	U
WG	W-1	475615001	4/3/2019	Ac-228	-2.27E+00	2.89E+00	6.59E+00	U
WG	W-1	475615001	4/3/2019	Ag-108m	-7.91E-01	6.29E-01	1.24E+00	U
WG	W-1	475615001	4/3/2019	Ag-110m	-8.57E-01	5.82E-01	1.73E+00	U
WG	W-1	475615001	4/3/2019	Ba-140	3.05E+00	2.51E+00	8.10E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-1	475615001	4/3/2019	Be-7	-3.90E+00	4.35E+00	1.19E+01 U
WG	W-1	475615001	4/3/2019	Ce-141	1.63E+00	9.83E-01	2.71E+00 U
WG	W-1	475615001	4/3/2019	Ce-144	1.54E+00	3.24E+00	9.37E+00 U
WG	W-1	475615001	4/3/2019	Co-57	-3.72E-01	3.91E-01	1.18E+00 U
WG	W-1	475615001	4/3/2019	Co-58	-6.23E-01	6.36E-01	1.38E+00 U
WG	W-1	475615001	4/3/2019	Co-60	-3.67E-01	7.39E-01	1.55E+00 U
WG	W-1	475615001	4/3/2019	Cr-51	-1.89E-01	3.98E+00	1.33E+01 U
WG	W-1	475615001	4/3/2019	Cs-134	9.36E-01	5.62E-01	1.48E+00 U
WG	W-1	475615001	4/3/2019	Cs-137	4.16E-01	4.58E-01	1.48E+00 U
WG	W-1	475615001	4/3/2019	Fe-59	-6.60E-01	8.16E-01	2.56E+00 U
WG	W-1	475615001	4/3/2019	H-3	-7.86E+00	4.18E+02	1.38E+03 U
WG	W-1	475615001	4/3/2019	I-131	1.05E+00	9.22E-01	3.03E+00 U
WG	W-1	475615001	4/3/2019	K-40	-1.07E+01	8.70E+00	2.21E+01 U
WG	W-1	475615001	4/3/2019	La-140	-3.20E-01	8.42E-01	2.65E+00 U
WG	W-1	475615001	4/3/2019	Mn-54	-8.09E-01	4.31E-01	1.21E+00 U
WG	W-1	475615001	4/3/2019	Nb-95	8.42E-02	4.31E-01	1.47E+00 U
WG	W-1	475615001	4/3/2019	Ru-103	-4.67E-01	4.77E-01	1.47E+00 U
WG	W-1	475615001	4/3/2019	Ru-106	-8.52E+00	4.28E+00	1.11E+01 U
WG	W-1	475615001	4/3/2019	Sb-124	-1.19E+00	1.09E+00	3.15E+00 U
WG	W-1	475615001	4/3/2019	Sb-125	-1.09E+00	1.19E+00	3.72E+00 U
WG	W-1	475615001	4/3/2019	Se-75	-6.50E-01	5.73E-01	1.82E+00 U
WG	W-1	475615001	4/3/2019	Th-228	6.91E-01	2.02E+00	3.05E+00 U
WG	W-1	475615001	4/3/2019	Zn-65	-1.24E+00	1.05E+00	2.74E+00 U
WG	W-1	475615001	4/3/2019	Zr-95	2.98E-01	7.79E-01	2.50E+00 U
WG	W-2	475615002	4/3/2019	Ac-228	1.42E+01	4.97E+00	9.45E+00 UI
WG	W-2	475615002	4/3/2019	Ag-108m	-2.52E-02	4.62E-01	1.50E+00 U
WG	W-2	475615002	4/3/2019	Ag-110m	1.51E+00	8.11E-01	2.61E+00 U
WG	W-2	475615002	4/3/2019	Ba-140	-1.35E-01	2.55E+00	8.16E+00 U
WG	W-2	475615002	4/3/2019	Be-7	9.21E+00	5.77E+00	1.42E+01 U
WG	W-2	475615002	4/3/2019	Ce-141	6.24E-01	1.60E+00	3.06E+00 U
WG	W-2	475615002	4/3/2019	Ce-144	-8.38E-01	3.69E+00	1.16E+01 U
WG	W-2	475615002	4/3/2019	Co-57	-1.55E-01	4.92E-01	1.55E+00 U
WG	W-2	475615002	4/3/2019	Co-58	-6.07E-01	5.45E-01	1.68E+00 U
WG	W-2	475615002	4/3/2019	Co-60	5.63E-01	6.05E-01	1.99E+00 U
WG	W-2	475615002	4/3/2019	Cr-51	-4.47E-01	4.83E+00	1.60E+01 U
WG	W-2	475615002	4/3/2019	Cs-134	4.75E-01	5.96E-01	2.02E+00 U
WG	W-2	475615002	4/3/2019	Cs-137	2.07E-01	5.53E-01	1.89E+00 U
WG	W-2	475615002	4/3/2019	Fe-59	6.08E-01	1.13E+00	3.75E+00 U
WG	W-2	475615002	4/3/2019	H-3	6.85E+01	4.23E+02	1.38E+03 U
WG	W-2	475615002	4/3/2019	I-131	-2.70E-01	8.77E-01	2.86E+00 U
WG	W-2	475615002	4/3/2019	K-40	7.37E-01	1.42E+01	1.78E+01 U
WG	W-2	475615002	4/3/2019	La-140	1.47E-01	7.93E-01	2.67E+00 U
WG	W-2	475615002	4/3/2019	Mn-54	-1.86E-01	4.87E-01	1.59E+00 U
WG	W-2	475615002	4/3/2019	Nb-95	-3.25E-01	5.16E-01	1.67E+00 U
WG	W-2	475615002	4/3/2019	Ru-103	-7.99E-01	6.57E-01	1.71E+00 U
WG	W-2	475615002	4/3/2019	Ru-106	-1.87E+01	1.02E+01	1.37E+01 U
WG	W-2	475615002	4/3/2019	Sb-124	-2.33E+00	1.35E+00	3.61E+00 U
WG	W-2	475615002	4/3/2019	Sb-125	-1.45E+00	1.46E+00	4.48E+00 U
WG	W-2	475615002	4/3/2019	Se-75	2.79E-01	6.86E-01	2.32E+00 U
WG	W-2	475615002	4/3/2019	Th-228	-3.25E+00	2.11E+00	4.22E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-2	475615002	4/3/2019	Zn-65	-5.65E-02	1.22E+00	3.46E+00 U
WG	W-2	475615002	4/3/2019	Zr-95	-6.30E-01	9.30E-01	3.01E+00 U
WG	W-3	475615003	4/3/2019	Ac-228	9.02E+00	4.97E+00	8.29E+00 UI
WG	W-3	475615003	4/3/2019	Ag-108m	-1.12E-01	4.62E-01	1.47E+00 U
WG	W-3	475615003	4/3/2019	Ag-110m	-5.19E-01	6.84E-01	2.19E+00 U
WG	W-3	475615003	4/3/2019	Ba-140	3.04E+00	2.74E+00	8.77E+00 U
WG	W-3	475615003	4/3/2019	Be-7	6.86E+00	4.95E+00	1.57E+01 U
WG	W-3	475615003	4/3/2019	Ce-141	2.27E-01	9.30E-01	3.11E+00 U
WG	W-3	475615003	4/3/2019	Ce-144	-9.33E-01	3.60E+00	1.20E+01 U
WG	W-3	475615003	4/3/2019	Co-57	-8.84E-02	4.70E-01	1.57E+00 U
WG	W-3	475615003	4/3/2019	Co-58	-1.02E+00	5.69E-01	1.61E+00 U
WG	W-3	475615003	4/3/2019	Co-60	-9.56E-02	5.47E-01	1.78E+00 U
WG	W-3	475615003	4/3/2019	Cr-51	3.27E+00	4.86E+00	1.59E+01 U
WG	W-3	475615003	4/3/2019	Cs-134	-1.50E-01	5.65E-01	1.88E+00 U
WG	W-3	475615003	4/3/2019	Cs-137	-8.98E-01	8.96E-01	1.87E+00 U
WG	W-3	475615003	4/3/2019	Fe-59	-8.62E-01	1.09E+00	3.41E+00 U
WG	W-3	475615003	4/3/2019	H-3	-1.21E+02	4.13E+02	1.38E+03 U
WG	W-3	475615003	4/3/2019	I-131	-1.97E-01	8.92E-01	2.87E+00 U
WG	W-3	475615003	4/3/2019	K-40	7.72E+00	9.20E+00	2.39E+01 U
WG	W-3	475615003	4/3/2019	La-140	2.63E+00	1.50E+00	3.03E+00 U
WG	W-3	475615003	4/3/2019	Mn-54	6.33E-02	4.97E-01	1.67E+00 U
WG	W-3	475615003	4/3/2019	Nb-95	6.50E-01	5.90E-01	1.79E+00 U
WG	W-3	475615003	4/3/2019	Ru-103	8.68E-03	5.81E-01	1.86E+00 U
WG	W-3	475615003	4/3/2019	Ru-106	3.37E+00	4.85E+00	1.66E+01 U
WG	W-3	475615003	4/3/2019	Sb-124	-1.09E+00	1.31E+00	3.93E+00 U
WG	W-3	475615003	4/3/2019	Sb-125	-5.04E-01	1.44E+00	4.58E+00 U
WG	W-3	475615003	4/3/2019	Se-75	1.78E-01	6.65E-01	2.19E+00 U
WG	W-3	475615003	4/3/2019	Th-228	-1.41E+00	1.64E+00	3.56E+00 U
WG	W-3	475615003	4/3/2019	Zn-65	7.64E-01	1.20E+00	3.60E+00 U
WG	W-3	475615003	4/3/2019	Zr-95	-8.59E-01	1.08E+00	3.05E+00 U
WG	W-8	475615004	4/3/2019	Ac-228	1.56E-01	4.07E+00	6.83E+00 U
WG	W-8	475615004	4/3/2019	Ag-108m	-2.88E-01	4.01E-01	1.15E+00 U
WG	W-8	475615004	4/3/2019	Ag-110m	1.49E-01	5.92E-01	1.91E+00 U
WG	W-8	475615004	4/3/2019	Ba-140	8.49E-01	2.18E+00	7.27E+00 U
WG	W-8	475615004	4/3/2019	Be-7	-1.83E+00	3.66E+00	1.19E+01 U
WG	W-8	475615004	4/3/2019	Ce-141	-3.38E+00	1.51E+00	2.60E+00 U
WG	W-8	475615004	4/3/2019	Ce-144	-2.42E+00	3.13E+00	9.74E+00 U
WG	W-8	475615004	4/3/2019	Co-57	-2.90E-01	4.16E-01	1.30E+00 U
WG	W-8	475615004	4/3/2019	Co-58	3.06E-01	4.68E-01	1.53E+00 U
WG	W-8	475615004	4/3/2019	Co-60	-7.19E-02	5.04E-01	1.46E+00 U
WG	W-8	475615004	4/3/2019	Cr-51	3.96E+00	4.20E+00	1.43E+01 U
WG	W-8	475615004	4/3/2019	Cs-134	2.50E-01	5.00E-01	1.64E+00 U
WG	W-8	475615004	4/3/2019	Cs-137	-7.43E-01	7.19E-01	1.54E+00 U
WG	W-8	475615004	4/3/2019	Fe-59	-1.63E+00	1.19E+00	3.06E+00 U
WG	W-8	475615004	4/3/2019	H-3	2.92E+02	4.32E+02	1.38E+03 U
WG	W-8	475615004	4/3/2019	I-131	7.32E-01	7.39E-01	2.50E+00 U
WG	W-8	475615004	4/3/2019	K-40	-1.96E+01	9.35E+00	2.21E+01 U
WG	W-8	475615004	4/3/2019	La-140	2.49E-01	7.25E-01	2.43E+00 U
WG	W-8	475615004	4/3/2019	Mn-54	1.66E-01	4.38E-01	1.43E+00 U
WG	W-8	475615004	4/3/2019	Nb-95	3.29E-01	4.97E-01	1.63E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-8	475615004	4/3/2019	Ru-103	2.56E+00	9.29E-01	1.48E+00 UI
WG	W-8	475615004	4/3/2019	Ru-106	-1.24E+00	4.06E+00	1.31E+01 U
WG	W-8	475615004	4/3/2019	Sb-124	7.39E-01	1.14E+00	3.84E+00 U
WG	W-8	475615004	4/3/2019	Sb-125	8.53E-01	1.30E+00	3.96E+00 U
WG	W-8	475615004	4/3/2019	Se-75	1.11E+00	6.36E-01	2.07E+00 U
WG	W-8	475615004	4/3/2019	Th-228	-1.24E-01	1.71E+00	3.34E+00 U
WG	W-8	475615004	4/3/2019	Zn-65	-1.52E+00	1.09E+00	2.76E+00 U
WG	W-8	475615004	4/3/2019	Zr-95	1.03E+00	8.68E-01	2.84E+00 U
WG	W-9	475615005	4/3/2019	Ac-228	1.01E+01	5.16E+00	7.16E+00 UI
WG	W-9	475615005	4/3/2019	Ag-108m	-7.08E-02	3.90E-01	1.28E+00 U
WG	W-9	475615005	4/3/2019	Ag-110m	5.05E-01	6.02E-01	2.05E+00 U
WG	W-9	475615005	4/3/2019	Ba-140	2.40E-01	2.33E+00	7.58E+00 U
WG	W-9	475615005	4/3/2019	Be-7	1.14E+00	4.13E+00	1.36E+01 U
WG	W-9	475615005	4/3/2019	Ce-141	-3.41E+00	1.45E+00	2.72E+00 U
WG	W-9	475615005	4/3/2019	Ce-144	3.29E+00	3.44E+00	1.09E+01 U
WG	W-9	475615005	4/3/2019	Co-57	-4.25E-01	4.25E-01	1.30E+00 U
WG	W-9	475615005	4/3/2019	Co-58	-6.67E-01	4.99E-01	1.31E+00 U
WG	W-9	475615005	4/3/2019	Co-60	5.74E-01	4.85E-01	1.61E+00 U
WG	W-9	475615005	4/3/2019	Cr-51	5.87E+00	4.43E+00	1.46E+01 U
WG	W-9	475615005	4/3/2019	Cs-134	4.04E-01	4.73E-01	1.62E+00 U
WG	W-9	475615005	4/3/2019	Cs-137	-2.70E-01	4.73E-01	1.47E+00 U
WG	W-9	475615005	4/3/2019	Fe-59	7.50E-02	9.14E-01	3.03E+00 U
WG	W-9	475615005	4/3/2019	H-3	-3.14E+02	4.01E+02	1.37E+03 U
WG	W-9	475615005	4/3/2019	I-131	-1.37E+00	8.47E-01	2.51E+00 U
WG	W-9	475615005	4/3/2019	K-40	2.48E+01	1.22E+01	1.60E+01
WG	W-9	475615005	4/3/2019	La-140	1.39E-01	7.57E-01	2.45E+00 U
WG	W-9	475615005	4/3/2019	Mn-54	-1.90E-01	4.90E-01	1.43E+00 U
WG	W-9	475615005	4/3/2019	Nb-95	-3.16E-02	4.49E-01	1.52E+00 U
WG	W-9	475615005	4/3/2019	Ru-103	-1.08E+00	6.25E-01	1.55E+00 U
WG	W-9	475615005	4/3/2019	Ru-106	-3.01E+00	4.26E+00	1.32E+01 U
WG	W-9	475615005	4/3/2019	Sb-124	5.50E-02	1.06E+00	3.57E+00 U
WG	W-9	475615005	4/3/2019	Sb-125	-6.32E-01	1.27E+00	4.10E+00 U
WG	W-9	475615005	4/3/2019	Se-75	-1.17E+00	1.06E+00	2.12E+00 U
WG	W-9	475615005	4/3/2019	Th-228	1.11E+00	1.70E+00	2.74E+00 U
WG	W-9	475615005	4/3/2019	Zn-65	4.04E-01	1.05E+00	3.09E+00 U
WG	W-9	475615005	4/3/2019	Zr-95	6.00E-01	7.76E-01	2.67E+00 U
WG	W-10	475615006	4/4/2019	Ac-228	5.41E+00	3.44E+00	5.99E+00 U
WG	W-10	475615006	4/4/2019	Ag-108m	6.26E-02	3.22E-01	1.09E+00 U
WG	W-10	475615006	4/4/2019	Ag-110m	-4.74E-01	8.38E-01	1.66E+00 U
WG	W-10	475615006	4/4/2019	Ba-140	2.43E+00	1.84E+00	6.11E+00 U
WG	W-10	475615006	4/4/2019	Be-7	1.99E+00	3.28E+00	1.11E+01 U
WG	W-10	475615006	4/4/2019	Ce-141	-9.80E-01	7.47E-01	2.23E+00 U
WG	W-10	475615006	4/4/2019	Ce-144	-2.36E+00	2.77E+00	8.65E+00 U
WG	W-10	475615006	4/4/2019	Co-57	2.49E-01	3.39E-01	1.10E+00 U
WG	W-10	475615006	4/4/2019	Co-58	-2.71E-01	3.45E-01	1.06E+00 U
WG	W-10	475615006	4/4/2019	Co-60	-3.45E-01	4.26E-01	1.35E+00 U
WG	W-10	475615006	4/4/2019	Cr-51	6.26E-01	3.49E+00	1.20E+01 U
WG	W-10	475615006	4/4/2019	Cs-134	-2.96E-01	4.51E-01	1.41E+00 U
WG	W-10	475615006	4/4/2019	Cs-137	1.03E-01	8.55E-01	1.36E+00 U
WG	W-10	475615006	4/4/2019	Fe-59	-8.02E-01	8.67E-01	2.57E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-10	475615006	4/4/2019	H-3	6.53E+01	4.21E+02	1.37E+03 U
WG	W-10	475615006	4/4/2019	I-131	-2.04E-02	5.80E-01	1.98E+00 U
WG	W-10	475615006	4/4/2019	K-40	-1.82E+01	1.02E+01	1.97E+01 U
WG	W-10	475615006	4/4/2019	La-140	-5.04E-01	5.70E-01	1.75E+00 U
WG	W-10	475615006	4/4/2019	Mn-54	-1.95E-01	3.86E-01	1.22E+00 U
WG	W-10	475615006	4/4/2019	Nb-95	-8.08E-01	7.09E-01	1.27E+00 U
WG	W-10	475615006	4/4/2019	Ru-103	-3.74E-01	4.37E-01	1.24E+00 U
WG	W-10	475615006	4/4/2019	Ru-106	6.05E+00	3.70E+00	1.20E+01 U
WG	W-10	475615006	4/4/2019	Sb-124	-7.28E-01	9.69E-01	3.01E+00 U
WG	W-10	475615006	4/4/2019	Sb-125	-1.70E-01	1.14E+00	3.44E+00 U
WG	W-10	475615006	4/4/2019	Se-75	5.81E-01	5.49E-01	1.72E+00 U
WG	W-10	475615006	4/4/2019	Th-228	8.81E-01	1.67E+00	2.37E+00 U
WG	W-10	475615006	4/4/2019	Zn-65	1.29E+00	8.65E-01	2.57E+00 U
WG	W-10	475615006	4/4/2019	Zr-95	4.79E-01	6.85E-01	2.28E+00 U
WG	W-11	475615007	4/4/2019	Ac-228	2.21E+00	3.53E+00	6.85E+00 U
WG	W-11	475615007	4/4/2019	Ag-108m	-3.56E-01	3.85E-01	1.23E+00 U
WG	W-11	475615007	4/4/2019	Ag-110m	1.05E+00	6.91E-01	2.21E+00 U
WG	W-11	475615007	4/4/2019	Ba-140	2.36E+00	2.04E+00	6.80E+00 U
WG	W-11	475615007	4/4/2019	Be-7	3.27E+00	4.00E+00	1.34E+01 U
WG	W-11	475615007	4/4/2019	Ce-141	-7.41E-01	8.90E-01	2.55E+00 U
WG	W-11	475615007	4/4/2019	Ce-144	-2.79E+00	3.44E+00	9.90E+00 U
WG	W-11	475615007	4/4/2019	Co-57	-4.92E-01	4.33E-01	1.33E+00 U
WG	W-11	475615007	4/4/2019	Co-58	-3.12E-01	5.51E-01	1.52E+00 U
WG	W-11	475615007	4/4/2019	Co-60	-3.29E-01	4.10E-01	1.28E+00 U
WG	W-11	475615007	4/4/2019	Cr-51	1.64E+00	3.99E+00	1.37E+01 U
WG	W-11	475615007	4/4/2019	Cs-134	-1.80E+00	9.35E-01	1.53E+00 U
WG	W-11	475615007	4/4/2019	Cs-137	7.45E-01	4.88E-01	1.59E+00 U
WG	W-11	475615007	4/4/2019	Fe-59	5.15E-01	9.46E-01	2.90E+00 U
WG	W-11	475615007	4/4/2019	H-3	2.94E+02	4.33E+02	1.38E+03 U
WG	W-11	475615007	4/4/2019	I-131	-8.95E-02	6.64E-01	2.25E+00 U
WG	W-11	475615007	4/4/2019	K-40	-1.47E+01	9.99E+00	2.09E+01 U
WG	W-11	475615007	4/4/2019	La-140	-1.15E+00	8.40E-01	2.42E+00 U
WG	W-11	475615007	4/4/2019	Mn-54	-1.62E-01	4.49E-01	1.42E+00 U
WG	W-11	475615007	4/4/2019	Nb-95	-8.06E-01	7.21E-01	1.57E+00 U
WG	W-11	475615007	4/4/2019	Ru-103	-6.49E-01	5.50E-01	1.51E+00 U
WG	W-11	475615007	4/4/2019	Ru-106	1.27E+00	4.08E+00	1.35E+01 U
WG	W-11	475615007	4/4/2019	Sb-124	-8.13E-01	1.76E+00	3.66E+00 U
WG	W-11	475615007	4/4/2019	Sb-125	-8.75E-01	2.10E+00	3.95E+00 U
WG	W-11	475615007	4/4/2019	Se-75	6.77E-01	6.63E-01	2.07E+00 U
WG	W-11	475615007	4/4/2019	Th-228	-1.61E+00	1.50E+00	3.78E+00 U
WG	W-11	475615007	4/4/2019	Zn-65	-1.37E+00	1.04E+00	2.69E+00 U
WG	W-11	475615007	4/4/2019	Zr-95	1.55E+00	8.63E-01	2.74E+00 U
WG	W-12	475615008	4/4/2019	Ac-228	-2.73E+00	3.94E+00	8.50E+00 U
WG	W-12	475615008	4/4/2019	Ag-108m	3.02E-01	4.80E-01	1.59E+00 U
WG	W-12	475615008	4/4/2019	Ag-110m	8.63E-01	8.28E-01	2.80E+00 U
WG	W-12	475615008	4/4/2019	Ba-140	1.12E+00	2.69E+00	8.76E+00 U
WG	W-12	475615008	4/4/2019	Be-7	-3.92E+00	4.87E+00	1.52E+01 U
WG	W-12	475615008	4/4/2019	Ce-141	8.20E-01	8.95E-01	2.61E+00 U
WG	W-12	475615008	4/4/2019	Ce-144	2.74E+00	2.98E+00	9.44E+00 U
WG	W-12	475615008	4/4/2019	Co-57	2.89E-01	3.96E-01	1.26E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-12	475615008	4/4/2019	Co-58	-7.03E-01	6.15E-01	1.90E+00 U
WG	W-12	475615008	4/4/2019	Co-60	8.47E-01	7.85E-01	2.04E+00 U
WG	W-12	475615008	4/4/2019	Cr-51	-8.91E+00	7.24E+00	1.53E+01 U
WG	W-12	475615008	4/4/2019	Cs-134	-7.94E-01	6.65E-01	2.05E+00 U
WG	W-12	475615008	4/4/2019	Cs-137	-4.60E-01	6.17E-01	1.87E+00 U
WG	W-12	475615008	4/4/2019	Fe-59	-1.39E+00	1.35E+00	3.49E+00 U
WG	W-12	475615008	4/4/2019	H-3	1.80E+02	4.27E+02	1.38E+03 U
WG	W-12	475615008	4/4/2019	I-131	2.09E-01	7.65E-01	2.56E+00 U
WG	W-12	475615008	4/4/2019	K-40	3.85E+01	1.29E+01	1.78E+01 UI
WG	W-12	475615008	4/4/2019	La-140	2.16E-01	9.00E-01	3.06E+00 U
WG	W-12	475615008	4/4/2019	Mn-54	2.47E-01	5.50E-01	1.87E+00 U
WG	W-12	475615008	4/4/2019	Nb-95	-1.77E-01	1.16E+00	2.07E+00 U
WG	W-12	475615008	4/4/2019	Ru-103	-4.23E-01	6.72E-01	1.87E+00 U
WG	W-12	475615008	4/4/2019	Ru-106	4.65E+00	5.18E+00	1.68E+01 U
WG	W-12	475615008	4/4/2019	Sb-124	-9.78E-01	1.27E+00	3.96E+00 U
WG	W-12	475615008	4/4/2019	Sb-125	-3.57E-01	1.35E+00	4.40E+00 U
WG	W-12	475615008	4/4/2019	Se-75	-4.97E-02	6.27E-01	2.12E+00 U
WG	W-12	475615008	4/4/2019	Th-228	-2.25E-01	1.51E+00	3.42E+00 U
WG	W-12	475615008	4/4/2019	Zn-65	1.14E+00	1.40E+00	4.16E+00 U
WG	W-12	475615008	4/4/2019	Zr-95	-1.65E+00	1.09E+00	3.24E+00 U
WG	MW-20	475615009	4/4/2019	Ac-228	-3.32E+00	3.50E+00	6.48E+00 U
WG	MW-20	475615009	4/4/2019	Ag-108m	-1.74E-01	4.34E-01	1.40E+00 U
WG	MW-20	475615009	4/4/2019	Ag-110m	-4.78E-01	6.99E-01	1.95E+00 U
WG	MW-20	475615009	4/4/2019	Ba-140	-3.76E+00	2.35E+00	6.62E+00 U
WG	MW-20	475615009	4/4/2019	Bc-7	2.39E+00	4.01E+00	1.32E+01 U
WG	MW-20	475615009	4/4/2019	Ce-141	-1.04E+00	1.15E+00	2.40E+00 U
WG	MW-20	475615009	4/4/2019	Ce-144	5.18E+00	4.62E+00	8.71E+00 U
WG	MW-20	475615009	4/4/2019	Co-57	4.19E-01	3.75E-01	1.17E+00 U
WG	MW-20	475615009	4/4/2019	Co-58	-2.07E-01	4.86E-01	1.61E+00 U
WG	MW-20	475615009	4/4/2019	Co-60	-2.90E-01	5.02E-01	1.56E+00 U
WG	MW-20	475615009	4/4/2019	Cr-51	8.81E+00	4.46E+00	1.39E+01 U
WG	MW-20	475615009	4/4/2019	Cs-134	1.00E+00	5.85E-01	1.92E+00 U
WG	MW-20	475615009	4/4/2019	Cs-137	3.55E-01	5.45E-01	1.76E+00 U
WG	MW-20	475615009	4/4/2019	Fe-59	-5.96E-01	9.59E-01	3.04E+00 U
WG	MW-20	475615009	4/4/2019	H-3	-2.00E+02	4.10E+02	1.38E+03 U
WG	MW-20	475615009	4/4/2019	I-131	-6.63E-01	8.07E-01	2.28E+00 U
WG	MW-20	475615009	4/4/2019	K-40	4.47E+00	1.04E+01	1.63E+01 U
WG	MW-20	475615009	4/4/2019	La-140	1.03E+00	8.23E-01	2.71E+00 U
WG	MW-20	475615009	4/4/2019	Mn-54	1.21E-01	4.86E-01	1.65E+00 U
WG	MW-20	475615009	4/4/2019	Nb-95	-9.84E-01	5.72E-01	1.67E+00 U
WG	MW-20	475615009	4/4/2019	Ru-103	-5.02E-01	5.44E-01	1.47E+00 U
WG	MW-20	475615009	4/4/2019	Ru-106	-7.58E+00	6.36E+00	1.30E+01 U
WG	MW-20	475615009	4/4/2019	Sb-124	-8.35E-01	1.10E+00	3.47E+00 U
WG	MW-20	475615009	4/4/2019	Sb-125	-9.83E-01	1.28E+00	4.05E+00 U
WG	MW-20	475615009	4/4/2019	Se-75	1.13E-01	5.83E-01	1.97E+00 U
WG	MW-20	475615009	4/4/2019	Th-228	5.54E-01	1.55E+00	2.62E+00 U
WG	MW-20	475615009	4/4/2019	Zn-65	-1.07E+00	1.07E+00	2.97E+00 U
WG	MW-20	475615009	4/4/2019	Zr-95	2.49E-01	8.57E-01	2.93E+00 U
WG	MW-21	475615010	4/4/2019	Ac-228	2.46E+00	2.93E+00	7.55E+00 U
WG	MW-21	475615010	4/4/2019	Ag-108m	-5.23E-01	4.61E-01	1.41E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	MW-21	475615010	4/4/2019	Ag-110m	1.87E+00	1.29E+00	2.59E+00 U
WG	MW-21	475615010	4/4/2019	Ba-140	-3.49E+00	2.37E+00	6.72E+00 U
WG	MW-21	475615010	4/4/2019	Be-7	4.41E-01	4.23E+00	1.39E+01 U
WG	MW-21	475615010	4/4/2019	Ce-141	-8.97E-01	1.28E+00	2.57E+00 U
WG	MW-21	475615010	4/4/2019	Ce-144	8.42E-01	2.99E+00	9.94E+00 U
WG	MW-21	475615010	4/4/2019	Co-57	-2.90E-01	4.15E-01	1.34E+00 U
WG	MW-21	475615010	4/4/2019	Co-58	-3.64E-01	5.34E-01	1.71E+00 U
WG	MW-21	475615010	4/4/2019	Co-60	3.63E-01	6.29E-01	2.14E+00 U
WG	MW-21	475615010	4/4/2019	Cr-51	2.16E+00	4.27E+00	1.46E+01 U
WG	MW-21	475615010	4/4/2019	Cs-134	-4.89E-01	6.15E-01	1.96E+00 U
WG	MW-21	475615010	4/4/2019	Cs-137	2.69E-01	5.12E-01	1.76E+00 U
WG	MW-21	475615010	4/4/2019	Fe-59	-2.49E-01	1.20E+00	3.85E+00 U
WG	MW-21	475615010	4/4/2019	H-3	-2.74E+02	4.05E+02	1.38E+03 U
WG	MW-21	475615010	4/4/2019	I-131	1.07E+00	7.69E-01	2.54E+00 U
WG	MW-21	475615010	4/4/2019	K-40	3.65E+01	1.10E+01	1.97E+01 U
WG	MW-21	475615010	4/4/2019	La-140	1.01E+00	1.04E+00	3.12E+00 U
WG	MW-21	475615010	4/4/2019	Mn-54	-8.45E-01	5.78E-01	1.70E+00 U
WG	MW-21	475615010	4/4/2019	Nb-95	-5.58E-01	8.20E-01	1.96E+00 U
WG	MW-21	475615010	4/4/2019	Ru-103	4.00E-01	5.65E-01	1.68E+00 U
WG	MW-21	475615010	4/4/2019	Ru-106	-3.15E+00	4.39E+00	1.33E+01 U
WG	MW-21	475615010	4/4/2019	Sb-124	-1.15E+00	1.28E+00	3.83E+00 U
WG	MW-21	475615010	4/4/2019	Sb-125	1.51E-01	1.36E+00	4.51E+00 U
WG	MW-21	475615010	4/4/2019	Se-75	-5.51E-01	7.07E-01	2.11E+00 U
WG	MW-21	475615010	4/4/2019	Th-228	1.97E+00	1.94E+00	2.81E+00 U
WG	MW-21	475615010	4/4/2019	Zn-65	1.02E+00	1.35E+00	3.94E+00 U
WG	MW-21	475615010	4/4/2019	Zr-95	2.16E+00	1.03E+00	3.29E+00 U
WG	W-7	476136004	4/8/2019	Ac-228	3.70E-01	3.83E+00	1.27E+01 U
WG	W-7	476136004	4/8/2019	Ag-108m	1.76E-01	8.61E-01	2.95E+00 U
WG	W-7	476136004	4/8/2019	Ag-110m	-1.45E+00	1.23E+00	3.22E+00 U
WG	W-7	476136004	4/8/2019	Ba-140	-4.12E+00	4.94E+00	1.50E+01 U
WG	W-7	476136004	4/8/2019	Be-7	-1.13E+00	8.67E+00	2.89E+01 U
WG	W-7	476136004	4/8/2019	Ce-141	-2.19E+00	2.16E+00	5.92E+00 U
WG	W-7	476136004	4/8/2019	Ce-144	-6.62E-01	6.27E+00	2.02E+01 U
WG	W-7	476136004	4/8/2019	Co-57	2.79E-01	7.77E-01	2.57E+00 U
WG	W-7	476136004	4/8/2019	Co-58	-9.53E-01	9.73E-01	2.72E+00 U
WG	W-7	476136004	4/8/2019	Co-60	-6.06E-01	1.04E+00	3.23E+00 U
WG	W-7	476136004	4/8/2019	Cr-51	9.61E+00	9.89E+00	3.48E+01 U
WG	W-7	476136004	4/8/2019	Cs-134	6.00E-01	9.92E-01	3.41E+00 U
WG	W-7	476136004	4/8/2019	Cs-137	8.83E-01	9.60E-01	3.36E+00 U
WG	W-7	476136004	4/8/2019	Fe-59	9.08E-01	2.34E+00	7.01E+00 U
WG	W-7	476136004	4/8/2019	H-3	-1.78E+02	3.84E+02	1.29E+03 U
WG	W-7	476136004	4/8/2019	I-131	8.62E-01	2.04E+00	7.09E+00 U
WG	W-7	476136004	4/8/2019	K-40	-2.11E+01	1.47E+01	4.28E+01 U
WG	W-7	476136004	4/8/2019	La-140	2.11E+00	1.67E+00	6.29E+00 U
WG	W-7	476136004	4/8/2019	Mn-54	7.38E-01	9.26E-01	3.21E+00 U
WG	W-7	476136004	4/8/2019	Nb-95	1.17E+00	1.00E+00	3.30E+00 U
WG	W-7	476136004	4/8/2019	Ru-103	1.45E+00	1.14E+00	3.72E+00 U
WG	W-7	476136004	4/8/2019	Ru-106	-7.22E+00	7.63E+00	2.21E+01 U
WG	W-7	476136004	4/8/2019	Sb-124	3.21E+00	1.70E+00	7.11E+00 U
WG	W-7	476136004	4/8/2019	Sb-125	7.63E-01	2.52E+00	8.69E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-7	476136004	4/8/2019	Se-75	-1.01E+00	1.34E+00	3.73E+00 U
WG	W-7	476136004	4/8/2019	Th-228	3.76E+00	3.69E+00	6.70E+00 U
WG	W-7	476136004	4/8/2019	Zn-65	2.42E+00	1.57E+00	5.72E+00 U
WG	W-7	476136004	4/8/2019	Zr-95	5.49E-01	1.98E+00	6.64E+00 U
WG	W-13	476136005	4/8/2019	Ac-228	1.99E+01	1.04E+01	2.59E+01 U
WG	W-13	476136005	4/8/2019	Ag-108m	-1.01E+00	1.24E+00	3.75E+00 U
WG	W-13	476136005	4/8/2019	Ag-110m	-1.08E+00	1.83E+00	5.67E+00 U
WG	W-13	476136005	4/8/2019	Ba-140	-7.19E+00	7.66E+00	2.19E+01 U
WG	W-13	476136005	4/8/2019	Be-7	-5.79E+00	1.18E+01	3.65E+01 U
WG	W-13	476136005	4/8/2019	Ce-141	9.15E-01	2.03E+00	6.08E+00 U
WG	W-13	476136005	4/8/2019	Ce-144	-2.51E+00	8.04E+00	2.37E+01 U
WG	W-13	476136005	4/8/2019	Co-57	-3.14E-01	1.01E+00	3.01E+00 U
WG	W-13	476136005	4/8/2019	Co-58	2.01E-01	1.39E+00	4.74E+00 U
WG	W-13	476136005	4/8/2019	Co-60	3.40E-01	1.55E+00	5.16E+00 U
WG	W-13	476136005	4/8/2019	Cr-51	-1.13E+01	1.14E+01	3.45E+01 U
WG	W-13	476136005	4/8/2019	Cs-134	2.65E-01	1.64E+00	5.60E+00 U
WG	W-13	476136005	4/8/2019	Cs-137	-1.45E-02	1.52E+00	4.82E+00 U
WG	W-13	476136005	4/8/2019	Fe-59	-1.98E-02	3.21E+00	1.05E+01 U
WG	W-13	476136005	4/8/2019	H-3	3.68E+01	3.93E+02	1.29E+03 U
WG	W-13	476136005	4/8/2019	I-131	8.42E+00	4.75E+00	8.22E+00 UI
WG	W-13	476136005	4/8/2019	K-40	-5.66E+00	2.15E+01	6.84E+01 U
WG	W-13	476136005	4/8/2019	La-140	2.56E+00	2.39E+00	9.04E+00 U
WG	W-13	476136005	4/8/2019	Mn-54	-1.58E+00	1.74E+00	3.96E+00 U
WG	W-13	476136005	4/8/2019	Nb-95	-8.26E-01	1.65E+00	4.92E+00 U
WG	W-13	476136005	4/8/2019	Ru-103	-1.69E-01	1.61E+00	5.20E+00 U
WG	W-13	476136005	4/8/2019	Ru-106	-1.82E+01	1.38E+01	3.59E+01 U
WG	W-13	476136005	4/8/2019	Sb-124	2.40E+00	2.78E+00	1.06E+01 U
WG	W-13	476136005	4/8/2019	Sb-125	3.04E+00	3.86E+00	1.31E+01 U
WG	W-13	476136005	4/8/2019	Se-75	-1.50E+00	1.59E+00	4.97E+00 U
WG	W-13	476136005	4/8/2019	Th-228	3.43E-01	3.16E+00	7.53E+00 U
WG	W-13	476136005	4/8/2019	Zn-65	-2.68E-01	3.39E+00	1.10E+01 U
WG	W-13	476136005	4/8/2019	Zr-95	-2.46E-02	2.24E+00	7.57E+00 U
WG	W-14	476136006	4/8/2019	Ac-228	6.30E+00	7.20E+00	1.92E+01 U
WG	W-14	476136006	4/8/2019	Ag-108m	2.01E+00	1.01E+00	3.49E+00 U
WG	W-14	476136006	4/8/2019	Ag-110m	-2.92E-02	1.55E+00	4.95E+00 U
WG	W-14	476136006	4/8/2019	Ba-140	1.18E+01	1.25E+01	2.00E+01 U
WG	W-14	476136006	4/8/2019	Be-7	1.48E+01	1.03E+01	3.60E+01 U
WG	W-14	476136006	4/8/2019	Ce-141	-3.21E+00	2.36E+00	6.72E+00 U
WG	W-14	476136006	4/8/2019	Ce-144	-2.51E+00	7.71E+00	2.45E+01 U
WG	W-14	476136006	4/8/2019	Co-57	-3.00E-01	1.01E+00	3.24E+00 U
WG	W-14	476136006	4/8/2019	Co-58	1.49E-01	1.07E+00	3.50E+00 U
WG	W-14	476136006	4/8/2019	Co-60	4.62E-01	1.30E+00	4.49E+00 U
WG	W-14	476136006	4/8/2019	Cr-51	-1.08E+01	1.10E+01	3.45E+01 U
WG	W-14	476136006	4/8/2019	Cs-134	1.32E+00	1.23E+00	4.28E+00 U
WG	W-14	476136006	4/8/2019	Cs-137	-4.52E-01	9.72E-01	3.00E+00 U
WG	W-14	476136006	4/8/2019	Fe-59	-4.48E-01	1.99E+00	6.57E+00 U
WG	W-14	476136006	4/8/2019	H-3	-2.31E+01	4.00E+02	1.32E+03 U
WG	W-14	476136006	4/8/2019	I-131	-1.47E-01	2.51E+00	8.52E+00 U
WG	W-14	476136006	4/8/2019	K-40	-1.30E+01	1.41E+01	4.92E+01 U
WG	W-14	476136006	4/8/2019	La-140	1.01E+00	2.01E+00	7.04E+00 U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-14	476136006	4/8/2019	Mn-54	7.08E-01	1.31E+00	3.99E+00 U
WG	W-14	476136006	4/8/2019	Nb-95	5.74E+00	1.66E+00	3.07E+00 UI
WG	W-14	476136006	4/8/2019	Ru-103	1.06E-01	1.23E+00	3.72E+00 U
WG	W-14	476136006	4/8/2019	Ru-106	4.84E-01	8.38E+00	2.77E+01 U
WG	W-14	476136006	4/8/2019	Sb-124	1.02E+00	1.92E+00	6.95E+00 U
WG	W-14	476136006	4/8/2019	Sb-125	-4.97E-01	2.97E+00	9.90E+00 U
WG	W-14	476136006	4/8/2019	Se-75	2.12E+00	1.70E+00	5.51E+00 U
WG	W-14	476136006	4/8/2019	Th-228	2.54E+00	4.33E+00	9.45E+00 U
WG	W-14	476136006	4/8/2019	Zn-65	-2.99E+00	2.40E+00	5.19E+00 U
WG	W-14	476136006	4/8/2019	Zr-95	8.83E-01	1.83E+00	6.21E+00 U
WG	W-15	476136007	4/8/2019	Ac-228	-7.39E+00	5.61E+00	1.58E+01 U
WG	W-15	476136007	4/8/2019	Ag-108m	-2.66E-01	8.96E-01	2.93E+00 U
WG	W-15	476136007	4/8/2019	Ag-110m	1.84E+00	1.48E+00	4.94E+00 U
WG	W-15	476136007	4/8/2019	Ba-140	-8.23E-01	5.89E+00	1.93E+01 U
WG	W-15	476136007	4/8/2019	Be-7	2.61E+00	9.67E+00	3.28E+01 U
WG	W-15	476136007	4/8/2019	Ce-141	-1.05E+00	2.15E+00	6.65E+00 U
WG	W-15	476136007	4/8/2019	Ce-144	-5.21E+00	8.41E+00	2.60E+01 U
WG	W-15	476136007	4/8/2019	Co-57	-1.22E+00	1.14E+00	3.37E+00 U
WG	W-15	476136007	4/8/2019	Co-58	-1.40E+00	1.39E+00	3.24E+00 U
WG	W-15	476136007	4/8/2019	Co-60	4.32E-01	1.45E+00	4.98E+00 U
WG	W-15	476136007	4/8/2019	Cr-51	4.07E+01	2.03E+01	3.33E+01 UI
WG	W-15	476136007	4/8/2019	Cs-134	-3.78E+00	1.66E+00	3.03E+00 U
WG	W-15	476136007	4/8/2019	Cs-137	4.04E-02	1.12E+00	3.68E+00 U
WG	W-15	476136007	4/8/2019	Fe-59	-9.96E-02	2.05E+00	6.91E+00 U
WG	W-15	476136007	4/8/2019	H-3	-5.45E+02	3.76E+02	1.32E+03 U
WG	W-15	476136007	4/8/2019	I-131	-5.87E-01	2.23E+00	7.41E+00 U
WG	W-15	476136007	4/8/2019	K-40	-2.80E+01	1.99E+01	6.01E+01 U
WG	W-15	476136007	4/8/2019	La-140	-3.02E+00	2.22E+00	5.24E+00 U
WG	W-15	476136007	4/8/2019	Mn-54	1.31E+00	1.09E+00	3.83E+00 U
WG	W-15	476136007	4/8/2019	Nb-95	-8.07E-01	1.33E+00	3.47E+00 U
WG	W-15	476136007	4/8/2019	Ru-103	1.34E-01	1.18E+00	3.95E+00 U
WG	W-15	476136007	4/8/2019	Ru-106	-2.50E+01	1.15E+01	2.39E+01 U
WG	W-15	476136007	4/8/2019	Sb-124	-1.02E+00	3.00E+00	9.26E+00 U
WG	W-15	476136007	4/8/2019	Sb-125	1.51E+00	2.91E+00	1.00E+01 U
WG	W-15	476136007	4/8/2019	Se-75	-1.45E+00	1.42E+00	4.47E+00 U
WG	W-15	476136007	4/8/2019	Th-228	9.20E+00	3.76E+00	9.44E+00 U
WG	W-15	476136007	4/8/2019	Zn-65	2.51E-01	2.16E+00	6.57E+00 U
WG	W-15	476136007	4/8/2019	Zr-95	-1.42E+00	2.09E+00	6.17E+00 U
WG	SG-1	476136008	4/8/2019	Ac-228	7.10E+00	6.90E+00	1.88E+01 U
WG	SG-1	476136008	4/8/2019	Ag-108m	-1.96E-01	1.08E+00	3.54E+00 U
WG	SG-1	476136008	4/8/2019	Ag-110m	-4.58E-01	1.72E+00	5.64E+00 U
WG	SG-1	476136008	4/8/2019	ALPHA	1.78E+00	2.15E+00	6.73E+00 UDL
WG	SG-1	476136008	4/8/2019	Ba-140	1.46E+01	9.95E+00	2.29E+01 U
WG	SG-1	476136008	4/8/2019	Be-7	8.16E+00	9.49E+00	3.25E+01 U
WG	SG-1	476136008	4/8/2019	BETA	3.50E+00	1.44E+00	4.47E+00 UDL
WG	SG-1	476136008	4/8/2019	Ce-141	-2.61E+00	2.25E+00	6.48E+00 U
WG	SG-1	476136008	4/8/2019	Ce-144	-3.94E+00	8.49E+00	2.65E+01 U
WG	SG-1	476136008	4/8/2019	Co-57	-7.73E-01	1.01E+00	3.07E+00 U
WG	SG-1	476136008	4/8/2019	Co-58	-1.24E+00	1.23E+00	3.70E+00 U
WG	SG-1	476136008	4/8/2019	Co-60	-9.17E-01	1.29E+00	3.75E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-1	476136008	4/8/2019	Cr-51	-1.09E+01	1.10E+01	3.38E+01 U
WG	SG-1	476136008	4/8/2019	Cs-134	-4.66E-01	1.13E+00	3.68E+00 U
WG	SG-1	476136008	4/8/2019	Cs-137	9.42E-01	1.15E+00	3.89E+00 U
WG	SG-1	476136008	4/8/2019	Fe-59	-2.91E+00	2.77E+00	7.91E+00 U
WG	SG-1	476136008	4/8/2019	H-3	-2.47E+02	3.85E+02	1.30E+03 U
WG	SG-1	476136008	4/8/2019	I-131	4.04E-01	2.24E+00	7.56E+00 U
WG	SG-1	476136008	4/8/2019	K-40	-2.45E+00	1.80E+01	6.39E+01 U
WG	SG-1	476136008	4/8/2019	La-140	5.36E-01	2.36E+00	7.76E+00 U
WG	SG-1	476136008	4/8/2019	Mn-54	-6.08E-02	1.16E+00	3.89E+00 U
WG	SG-1	476136008	4/8/2019	Nb-95	-9.88E-01	1.26E+00	3.95E+00 U
WG	SG-1	476136008	4/8/2019	Ru-103	-2.34E+00	1.39E+00	3.59E+00 U
WG	SG-1	476136008	4/8/2019	Ru-106	-4.69E+00	8.88E+00	2.68E+01 U
WG	SG-1	476136008	4/8/2019	Sb-124	1.07E+00	2.95E+00	1.03E+01 U
WG	SG-1	476136008	4/8/2019	Sb-125	-5.55E+00	3.32E+00	8.76E+00 U
WG	SG-1	476136008	4/8/2019	Se-75	-3.65E-01	1.58E+00	5.30E+00 U
WG	SG-1	476136008	4/8/2019	Th-228	3.81E+00	3.50E+00	6.55E+00 U
WG	SG-1	476136008	4/8/2019	Zn-65	3.55E-01	2.60E+00	7.68E+00 U
WG	SG-1	476136008	4/8/2019	Zr-95	-3.14E+00	2.25E+00	6.36E+00 U
WG	SG-2	476136009	4/8/2019	Ac-228	1.48E+01	7.61E+00	1.55E+01 U
WG	SG-2	476136009	4/8/2019	Ag-108m	-1.80E+00	7.45E-01	1.70E+00 U
WG	SG-2	476136009	4/8/2019	Ag-110m	-6.81E-01	1.23E+00	3.74E+00 U
WG	SG-2	476136009	4/8/2019	ALPHA	-5.74E-02	8.82E-01	2.93E+00 U
WG	SG-2	476136009	4/8/2019	Ba-140	3.73E+00	4.87E+00	1.68E+01 U
WG	SG-2	476136009	4/8/2019	Be-7	1.40E+01	7.53E+00	2.55E+01 U
WG	SG-2	476136009	4/8/2019	BETA	3.33E+00	1.11E+00	3.04E+00 M
WG	SG-2	476136009	4/8/2019	Ce-141	-3.73E+00	1.82E+00	4.86E+00 U
WG	SG-2	476136009	4/8/2019	Ce-144	2.15E+00	5.72E+00	1.92E+01 U
WG	SG-2	476136009	4/8/2019	Co-57	-3.98E-01	7.11E-01	2.31E+00 U
WG	SG-2	476136009	4/8/2019	Co-58	7.18E-01	9.01E-01	2.80E+00 U
WG	SG-2	476136009	4/8/2019	Co-60	-8.21E-01	8.26E-01	2.39E+00 U
WG	SG-2	476136009	4/8/2019	Cr-51	7.26E+00	8.76E+00	2.82E+01 U
WG	SG-2	476136009	4/8/2019	Cs-134	-6.76E-01	7.92E-01	2.31E+00 U
WG	SG-2	476136009	4/8/2019	Cs-137	-1.94E+00	1.33E+00	3.51E+00 U
WG	SG-2	476136009	4/8/2019	Fe-59	-1.22E+00	1.81E+00	5.75E+00 U
WG	SG-2	476136009	4/8/2019	H-3	-4.33E+02	3.72E+02	1.29E+03 U
WG	SG-2	476136009	4/8/2019	I-131	5.86E-01	1.67E+00	5.31E+00 U
WG	SG-2	476136009	4/8/2019	K-40	-2.57E+01	1.56E+01	3.96E+01 U
WG	SG-2	476136009	4/8/2019	La-140	4.78E-01	1.41E+00	4.80E+00 U
WG	SG-2	476136009	4/8/2019	Mn-54	-4.22E-01	8.95E-01	2.78E+00 U
WG	SG-2	476136009	4/8/2019	Nb-95	-1.41E+00	9.94E-01	2.72E+00 U
WG	SG-2	476136009	4/8/2019	Ru-103	-2.35E-01	9.42E-01	3.13E+00 U
WG	SG-2	476136009	4/8/2019	Ru-106	5.44E+00	7.60E+00	2.60E+01 U
WG	SG-2	476136009	4/8/2019	Sb-124	-4.60E-01	1.76E+00	5.54E+00 U
WG	SG-2	476136009	4/8/2019	Sb-125	1.06E+00	2.27E+00	7.86E+00 U
WG	SG-2	476136009	4/8/2019	Se-75	-2.50E-03	1.20E+00	3.82E+00 U
WG	SG-2	476136009	4/8/2019	Th-228	1.88E+00	2.50E+00	5.05E+00 U
WG	SG-2	476136009	4/8/2019	Zn-65	2.95E+00	1.92E+00	6.34E+00 U
WG	SG-2	476136009	4/8/2019	Zr-95	-1.50E+00	1.65E+00	4.88E+00 U
WG	SG-4	476136010	4/8/2019	Ac-228	1.29E+00	6.58E+00	2.20E+01 U
WG	SG-4	476136010	4/8/2019	Ag-108m	3.68E-02	1.13E+00	3.74E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-4	476136010	4/8/2019	Ag-110m	2.64E+00	2.36E+00	8.03E+00 U
WG	SG-4	476136010	4/8/2019	ALPHA	9.97E-01	1.12E+00	3.30E+00 U
WG	SG-4	476136010	4/8/2019	Ba-140	-7.05E-01	8.16E+00	2.66E+01 U
WG	SG-4	476136010	4/8/2019	Be-7	2.39E+00	9.78E+00	3.29E+01 U
WG	SG-4	476136010	4/8/2019	BETA	-1.44E+00	8.81E-01	3.01E+00 U
WG	SG-4	476136010	4/8/2019	Ce-141	1.29E+00	3.90E+00	9.46E+00 U
WG	SG-4	476136010	4/8/2019	Ce-144	7.21E+00	9.63E+00	3.34E+01 U
WG	SG-4	476136010	4/8/2019	Co-57	-1.60E+00	1.25E+00	3.89E+00 U
WG	SG-4	476136010	4/8/2019	Co-58	2.55E-01	1.25E+00	4.10E+00 U
WG	SG-4	476136010	4/8/2019	Co-60	1.38E+00	1.36E+00	5.01E+00 U
WG	SG-4	476136010	4/8/2019	Cr-51	3.82E+00	1.35E+01	4.56E+01 U
WG	SG-4	476136010	4/8/2019	Cs-134	1.03E+00	1.48E+00	5.04E+00 U
WG	SG-4	476136010	4/8/2019	Cs-137	-2.81E-01	1.41E+00	4.50E+00 U
WG	SG-4	476136010	4/8/2019	Fe-59	1.13E+00	2.88E+00	1.01E+01 U
WG	SG-4	476136010	4/8/2019	H-3	-5.45E+02	3.77E+02	1.33E+03 U
WG	SG-4	476136010	4/8/2019	I-131	-1.07E+00	2.41E+00	7.73E+00 U
WG	SG-4	476136010	4/8/2019	K-40	-1.02E+01	2.31E+01	7.66E+01 U
WG	SG-4	476136010	4/8/2019	La-140	2.67E+00	3.00E+00	1.08E+01 U
WG	SG-4	476136010	4/8/2019	Mn-54	-1.23E+00	1.48E+00	4.27E+00 U
WG	SG-4	476136010	4/8/2019	Nb-95	-1.05E+00	1.53E+00	4.53E+00 U
WG	SG-4	476136010	4/8/2019	Ru-103	-9.72E-01	1.62E+00	5.06E+00 U
WG	SG-4	476136010	4/8/2019	Ru-106	1.31E+01	1.07E+01	3.75E+01 U
WG	SG-4	476136010	4/8/2019	Sb-124	1.19E+00	3.34E+00	1.16E+01 U
WG	SG-4	476136010	4/8/2019	Sb-125	4.10E+00	4.14E+00	1.30E+01 U
WG	SG-4	476136010	4/8/2019	Se-75	1.77E-01	1.77E+00	5.98E+00 U
WG	SG-4	476136010	4/8/2019	Th-228	3.68E+00	4.77E+00	7.40E+00 U
WG	SG-4	476136010	4/8/2019	Zn-65	1.05E+00	1.90E+00	6.39E+00 U
WG	SG-4	476136010	4/8/2019	Zr-95	5.13E+00	3.41E+00	1.05E+01 U
WG	SG-5	476136011	4/8/2019	Ac-228	6.14E+00	4.97E+00	1.77E+01 U
WG	SG-5	476136011	4/8/2019	Ag-108m	-1.61E-01	8.99E-01	3.00E+00 U
WG	SG-5	476136011	4/8/2019	Ag-110m	-1.40E+00	1.42E+00	3.97E+00 U
WG	SG-5	476136011	4/8/2019	ALPHA	-9.85E-01	6.40E-01	2.88E+00 U
WG	SG-5	476136011	4/8/2019	Ba-140	3.92E+00	5.59E+00	1.94E+01 U
WG	SG-5	476136011	4/8/2019	Be-7	2.64E+01	1.30E+01	1.44E+01 UI
WG	SG-5	476136011	4/8/2019	BETA	1.52E+01	2.03E+00	3.50E+00
WG	SG-5	476136011	4/8/2019	Ce-141	-4.51E+00	2.41E+00	5.81E+00 U
WG	SG-5	476136011	4/8/2019	Ce-144	-5.98E+00	7.40E+00	2.27E+01 U
WG	SG-5	476136011	4/8/2019	Co-57	-8.13E-01	9.85E-01	3.03E+00 U
WG	SG-5	476136011	4/8/2019	Co-58	7.84E-01	1.09E+00	3.74E+00 U
WG	SG-5	476136011	4/8/2019	Co-60	1.70E+00	9.69E-01	3.51E+00 U
WG	SG-5	476136011	4/8/2019	Cr-51	-5.85E+00	1.01E+01	3.35E+01 U
WG	SG-5	476136011	4/8/2019	Cs-134	-1.78E+00	1.22E+00	3.12E+00 U
WG	SG-5	476136011	4/8/2019	Cs-137	5.11E-01	1.01E+00	3.46E+00 U
WG	SG-5	476136011	4/8/2019	Fe-59	6.57E+00	3.79E+00	7.41E+00 U
WG	SG-5	476136011	4/8/2019	H-3	-5.42E+02	3.66E+02	1.29E+03 U
WG	SG-5	476136011	4/8/2019	I-131	-1.52E+00	2.10E+00	6.76E+00 U
WG	SG-5	476136011	4/8/2019	K-40	1.14E+01	2.07E+01	3.97E+01 U
WG	SG-5	476136011	4/8/2019	La-140	-8.49E-01	1.87E+00	5.82E+00 U
WG	SG-5	476136011	4/8/2019	Mn-54	-4.61E-01	9.98E-01	3.07E+00 U
WG	SG-5	476136011	4/8/2019	Nb-95	1.31E-01	1.14E+00	3.38E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-5	476136011	4/8/2019	Ru-103	4.27E-01	1.03E+00	3.55E+00 U
WG	SG-5	476136011	4/8/2019	Ru-106	5.54E+00	8.48E+00	2.93E+01 U
WG	SG-5	476136011	4/8/2019	Sb-124	2.54E+00	2.50E+00	9.21E+00 U
WG	SG-5	476136011	4/8/2019	Sb-125	1.11E+00	2.97E+00	1.02E+01 U
WG	SG-5	476136011	4/8/2019	Se-75	4.00E+00	2.60E+00	4.60E+00 U
WG	SG-5	476136011	4/8/2019	Th-228	1.03E+01	3.45E+00	5.86E+00
WG	SG-5	476136011	4/8/2019	Zn-65	-2.55E+00	3.07E+00	7.48E+00 U
WG	SG-5	476136011	4/8/2019	Zr-95	-9.15E-01	1.99E+00	6.20E+00 U
WG	W-4	476136001	4/9/2019	Ac-228	-4.61E+00	4.99E+00	1.46E+01 U
WG	W-4	476136001	4/9/2019	Ag-108m	5.14E-01	9.81E-01	3.30E+00 U
WG	W-4	476136001	4/9/2019	Ag-110m	2.35E+00	1.59E+00	5.63E+00 U
WG	W-4	476136001	4/9/2019	Ba-140	-8.69E-01	6.29E+00	2.02E+01 U
WG	W-4	476136001	4/9/2019	Be-7	1.20E+00	9.55E+00	3.14E+01 U
WG	W-4	476136001	4/9/2019	Ce-141	-5.12E+00	2.50E+00	6.00E+00 U
WG	W-4	476136001	4/9/2019	Ce-144	-1.85E+01	8.97E+00	2.20E+01 U
WG	W-4	476136001	4/9/2019	Co-57	2.27E-01	1.02E+00	3.25E+00 U
WG	W-4	476136001	4/9/2019	Co-58	7.28E-01	8.98E-01	3.21E+00 U
WG	W-4	476136001	4/9/2019	Co-60	1.56E+00	1.32E+00	4.67E+00 U
WG	W-4	476136001	4/9/2019	Cr-51	-5.00E+00	9.78E+00	3.15E+01 U
WG	W-4	476136001	4/9/2019	Cs-134	3.92E-01	1.01E+00	3.51E+00 U
WG	W-4	476136001	4/9/2019	Cs-137	-4.76E-01	1.13E+00	3.46E+00 U
WG	W-4	476136001	4/9/2019	Fe-59	-1.81E+00	2.13E+00	6.29E+00 U
WG	W-4	476136001	4/9/2019	H-3	3.79E+01	3.94E+02	1.29E+03 U
WG	W-4	476136001	4/9/2019	I-131	1.86E+00	2.02E+00	6.88E+00 U
WG	W-4	476136001	4/9/2019	K-40	-1.22E+01	1.76E+01	5.58E+01 U
WG	W-4	476136001	4/9/2019	La-140	-1.35E+00	2.20E+00	6.49E+00 U
WG	W-4	476136001	4/9/2019	Mn-54	5.85E-01	9.40E-01	3.31E+00 U
WG	W-4	476136001	4/9/2019	Nb-95	-1.77E+00	1.20E+00	3.37E+00 U
WG	W-4	476136001	4/9/2019	Ru-103	-2.11E+00	1.24E+00	3.18E+00 U
WG	W-4	476136001	4/9/2019	Ru-106	1.20E+01	9.57E+00	3.25E+01 U
WG	W-4	476136001	4/9/2019	Sb-124	9.38E-01	2.48E+00	8.38E+00 U
WG	W-4	476136001	4/9/2019	Sb-125	5.20E+00	3.00E+00	1.01E+01 U
WG	W-4	476136001	4/9/2019	Se-75	-1.53E-02	1.34E+00	4.51E+00 U
WG	W-4	476136001	4/9/2019	Th-228	2.14E+00	2.62E+00	8.01E+00 U
WG	W-4	476136001	4/9/2019	Zn-65	8.06E-01	1.90E+00	5.92E+00 U
WG	W-4	476136001	4/9/2019	Zr-95	5.54E+00	2.23E+00	6.60E+00 U
WG	W-5	476136002	4/9/2019	Ac-228	1.62E+00	8.10E+00	1.87E+01 U
WG	W-5	476136002	4/9/2019	Ag-108m	-6.11E-02	9.29E-01	3.04E+00 U
WG	W-5	476136002	4/9/2019	Ag-110m	1.98E+00	1.51E+00	5.29E+00 U
WG	W-5	476136002	4/9/2019	Ba-140	1.22E+00	5.49E+00	1.80E+01 U
WG	W-5	476136002	4/9/2019	Be-7	5.08E+00	9.24E+00	3.10E+01 U
WG	W-5	476136002	4/9/2019	Ce-141	6.10E-01	1.94E+00	6.28E+00 U
WG	W-5	476136002	4/9/2019	Ce-144	-9.13E-01	6.90E+00	2.21E+01 U
WG	W-5	476136002	4/9/2019	Co-57	-6.50E-02	9.34E-01	3.02E+00 U
WG	W-5	476136002	4/9/2019	Co-58	-3.83E-01	9.99E-01	3.23E+00 U
WG	W-5	476136002	4/9/2019	Co-60	-3.75E-02	1.10E+00	3.52E+00 U
WG	W-5	476136002	4/9/2019	Cr-51	-1.35E+01	9.96E+00	2.94E+01 U
WG	W-5	476136002	4/9/2019	Cs-134	2.28E+00	1.21E+00	4.23E+00 U
WG	W-5	476136002	4/9/2019	Cs-137	8.69E-01	1.17E+00	3.89E+00 U
WG	W-5	476136002	4/9/2019	Fe-59	3.05E-01	2.20E+00	7.28E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-5	476136002	4/9/2019	H-3	4.14E+01	3.97E+02	1.30E+03 U
WG	W-5	476136002	4/9/2019	I-131	3.69E-02	1.92E+00	6.41E+00 U
WG	W-5	476136002	4/9/2019	K-40	-3.67E+01	1.83E+01	4.83E+01 U
WG	W-5	476136002	4/9/2019	La-140	5.30E+00	2.48E+00	7.63E+00 U
WG	W-5	476136002	4/9/2019	Mn-54	4.31E-01	1.01E+00	3.47E+00 U
WG	W-5	476136002	4/9/2019	Nb-95	-2.09E+00	1.26E+00	3.41E+00 U
WG	W-5	476136002	4/9/2019	Ru-103	-1.01E+00	1.09E+00	3.23E+00 U
WG	W-5	476136002	4/9/2019	Ru-106	-1.19E+01	1.10E+01	3.10E+01 U
WG	W-5	476136002	4/9/2019	Sb-124	-1.19E+00	3.07E+00	9.07E+00 U
WG	W-5	476136002	4/9/2019	Sb-125	5.65E+00	2.99E+00	9.98E+00 U
WG	W-5	476136002	4/9/2019	Se-75	-6.46E-01	1.36E+00	4.50E+00 U
WG	W-5	476136002	4/9/2019	Th-228	4.50E+00	3.78E+00	6.36E+00 U
WG	W-5	476136002	4/9/2019	Zn-65	-4.29E-01	2.15E+00	5.91E+00 U
WG	W-5	476136002	4/9/2019	Zr-95	4.05E-01	1.89E+00	6.48E+00 U
WG	W-6	476136003	4/9/2019	Ac-228	-1.07E+01	5.65E+00	1.42E+01 U
WG	W-6	476136003	4/9/2019	Ag-108m	-1.56E-02	9.47E-01	3.20E+00 U
WG	W-6	476136003	4/9/2019	Ag-110m	8.87E-01	1.39E+00	4.76E+00 U
WG	W-6	476136003	4/9/2019	Ba-140	5.62E+00	5.59E+00	1.95E+01 U
WG	W-6	476136003	4/9/2019	Be-7	1.19E+00	8.27E+00	2.81E+01 U
WG	W-6	476136003	4/9/2019	Ce-141	-6.46E-01	2.13E+00	6.72E+00 U
WG	W-6	476136003	4/9/2019	Ce-144	-8.13E+00	7.95E+00	2.37E+01 U
WG	W-6	476136003	4/9/2019	Co-57	1.05E+00	1.06E+00	3.45E+00 U
WG	W-6	476136003	4/9/2019	Co-58	3.03E-01	1.02E+00	3.43E+00 U
WG	W-6	476136003	4/9/2019	Co-60	-9.05E-01	1.27E+00	3.51E+00 U
WG	W-6	476136003	4/9/2019	Cr-51	4.73E+00	1.01E+01	3.51E+01 U
WG	W-6	476136003	4/9/2019	Cs-134	-1.57E+00	1.19E+00	3.23E+00 U
WG	W-6	476136003	4/9/2019	Cs-137	-2.90E+00	1.35E+00	3.12E+00 U
WG	W-6	476136003	4/9/2019	Fe-59	4.39E+00	2.54E+00	8.77E+00 U
WG	W-6	476136003	4/9/2019	H-3	-2.85E+02	3.84E+02	1.31E+03 U
WG	W-6	476136003	4/9/2019	I-131	4.32E+00	2.28E+00	7.70E+00 U
WG	W-6	476136003	4/9/2019	K-40	-1.00E+01	1.54E+01	5.33E+01 U
WG	W-6	476136003	4/9/2019	La-140	9.64E-01	1.83E+00	6.11E+00 U
WG	W-6	476136003	4/9/2019	Mn-54	1.27E-01	9.68E-01	3.20E+00 U
WG	W-6	476136003	4/9/2019	Nb-95	6.38E-01	1.43E+00	4.35E+00 U
WG	W-6	476136003	4/9/2019	Ru-103	-1.48E+00	1.13E+00	3.26E+00 U
WG	W-6	476136003	4/9/2019	Ru-106	-7.48E+00	8.77E+00	2.65E+01 U
WG	W-6	476136003	4/9/2019	Sb-124	-1.71E+00	2.18E+00	6.28E+00 U
WG	W-6	476136003	4/9/2019	Sb-125	-4.65E+00	3.18E+00	8.82E+00 U
WG	W-6	476136003	4/9/2019	Se-75	1.82E+00	1.59E+00	5.11E+00 U
WG	W-6	476136003	4/9/2019	Th-228	3.79E-01	3.88E+00	7.23E+00 U
WG	W-6	476136003	4/9/2019	Zn-65	2.65E+00	2.60E+00	8.22E+00 U
WG	W-6	476136003	4/9/2019	Zr-95	-1.44E+00	2.17E+00	6.66E+00 U
WG	W-2	485087001	7/16/2019	Ac-228	-3.82E+00	5.38E+00	1.72E+01 U
WG	W-2	485087001	7/16/2019	Ag-108m	-1.88E-01	1.21E+00	3.57E+00 U
WG	W-2	485087001	7/16/2019	Ag-110m	1.46E+00	1.69E+00	5.79E+00 U
WG	W-2	485087001	7/16/2019	Ba-140	3.26E+00	4.50E+00	1.56E+01 U
WG	W-2	485087001	7/16/2019	Be-7	1.22E+00	8.49E+00	2.86E+01 U
WG	W-2	485087001	7/16/2019	Ce-141	-2.49E+00	2.17E+00	6.28E+00 U
WG	W-2	485087001	7/16/2019	Ce-144	-3.30E+00	8.22E+00	2.56E+01 U
WG	W-2	485087001	7/16/2019	Co-57	-7.79E-01	1.07E+00	3.27E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-2	485087001	7/16/2019	Co-58	-5.45E-01	1.15E+00	3.49E+00 U
WG	W-2	485087001	7/16/2019	Co-60	-8.92E-01	1.32E+00	3.97E+00 U
WG	W-2	485087001	7/16/2019	Cr-51	1.54E+01	1.01E+01	3.51E+01 U
WG	W-2	485087001	7/16/2019	Cs-134	2.48E-03	1.43E+00	4.59E+00 U
WG	W-2	485087001	7/16/2019	Cs-137	1.38E+00	1.19E+00	4.16E+00 U
WG	W-2	485087001	7/16/2019	Fe-59	-4.45E-01	2.34E+00	7.76E+00 U
WG	W-2	485087001	7/16/2019	H-3	1.76E+02	4.10E+02	1.32E+03 U
WG	W-2	485087001	7/16/2019	I-131	6.80E-01	1.64E+00	5.64E+00 U
WG	W-2	485087001	7/16/2019	K-40	6.25E+00	2.48E+01	5.74E+01 U
WG	W-2	485087001	7/16/2019	La-140	1.95E+00	1.75E+00	6.43E+00 U
WG	W-2	485087001	7/16/2019	Mn-54	2.47E+00	1.22E+00	4.26E+00 U
WG	W-2	485087001	7/16/2019	Nb-95	-1.06E+00	1.28E+00	3.73E+00 U
WG	W-2	485087001	7/16/2019	Ru-103	8.04E-01	1.18E+00	4.05E+00 U
WG	W-2	485087001	7/16/2019	Ru-106	-1.64E+00	8.81E+00	2.82E+01 U
WG	W-2	485087001	7/16/2019	Sb-124	9.18E-01	3.18E+00	9.67E+00 U
WG	W-2	485087001	7/16/2019	Sb-125	4.34E+00	2.61E+00	9.24E+00 U
WG	W-2	485087001	7/16/2019	Se-75	-5.36E-01	1.46E+00	4.89E+00 U
WG	W-2	485087001	7/16/2019	Th-228	7.04E+00	4.48E+00	7.01E+00 UI
WG	W-2	485087001	7/16/2019	Zn-65	-3.36E+00	3.34E+00	8.32E+00 U
WG	W-2	485087001	7/16/2019	Zr-95	-1.04E+00	1.68E+00	4.91E+00 U
WG	W-3	485087002	7/16/2019	Ac-228	-7.20E+00	5.61E+00	1.54E+01 U
WG	W-3	485087002	7/16/2019	Ag-108m	-3.53E-01	9.05E-01	2.97E+00 U
WG	W-3	485087002	7/16/2019	Ag-110m	-3.51E-01	1.42E+00	4.49E+00 U
WG	W-3	485087002	7/16/2019	Ba-140	2.80E+00	4.70E+00	1.62E+01 U
WG	W-3	485087002	7/16/2019	Be-7	-2.98E+00	9.85E+00	2.89E+01 U
WG	W-3	485087002	7/16/2019	Ce-141	-5.85E+00	2.52E+00	5.72E+00 U
WG	W-3	485087002	7/16/2019	Ce-144	5.42E+00	7.51E+00	2.45E+01 U
WG	W-3	485087002	7/16/2019	Co-57	5.66E-01	9.40E-01	3.08E+00 U
WG	W-3	485087002	7/16/2019	Co-58	-7.12E-01	1.19E+00	3.17E+00 U
WG	W-3	485087002	7/16/2019	Co-60	6.82E-02	1.08E+00	3.70E+00 U
WG	W-3	485087002	7/16/2019	Cr-51	-1.46E+00	9.31E+00	3.16E+01 U
WG	W-3	485087002	7/16/2019	Cs-134	7.67E-01	1.15E+00	3.93E+00 U
WG	W-3	485087002	7/16/2019	Cs-137	-1.12E-01	1.24E+00	4.08E+00 U
WG	W-3	485087002	7/16/2019	Fe-59	-2.24E-02	1.88E+00	6.02E+00 U
WG	W-3	485087002	7/16/2019	H-3	1.74E+02	4.13E+02	1.33E+03 U
WG	W-3	485087002	7/16/2019	I-131	-7.49E-01	1.20E+00	3.89E+00 U
WG	W-3	485087002	7/16/2019	K-40	-1.92E+01	1.61E+01	5.19E+01 U
WG	W-3	485087002	7/16/2019	La-140	-1.80E+00	1.22E+00	2.76E+00 U
WG	W-3	485087002	7/16/2019	Mn-54	1.13E+00	1.06E+00	3.66E+00 U
WG	W-3	485087002	7/16/2019	Nb-95	-2.87E-01	1.25E+00	3.57E+00 U
WG	W-3	485087002	7/16/2019	Ru-103	1.99E+00	1.09E+00	3.71E+00 U
WG	W-3	485087002	7/16/2019	Ru-106	2.64E+01	2.10E+01	2.52E+01 UI
WG	W-3	485087002	7/16/2019	Sb-124	-3.54E+00	2.29E+00	5.18E+00 U
WG	W-3	485087002	7/16/2019	Sb-125	-3.44E+00	3.11E+00	9.49E+00 U
WG	W-3	485087002	7/16/2019	Se-75	-6.11E-01	1.58E+00	4.80E+00 U
WG	W-3	485087002	7/16/2019	Th-228	-7.35E-02	2.50E+00	7.96E+00 U
WG	W-3	485087002	7/16/2019	Zn-65	1.32E+00	1.72E+00	5.99E+00 U
WG	W-3	485087002	7/16/2019	Zr-95	3.80E+00	2.04E+00	7.00E+00 U
WG	W-7	485087003	7/16/2019	Ac-228	3.25E-01	4.20E+00	1.34E+01 U
WG	W-7	485087003	7/16/2019	Ag-108m	-2.82E-01	7.76E-01	2.55E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-7	485087003	7/16/2019	Ag-110m	4.57E+00	2.43E+00	5.28E+00 U
WG	W-7	485087003	7/16/2019	Ba-140	-4.26E-01	4.08E+00	1.33E+01 U
WG	W-7	485087003	7/16/2019	Be-7	-6.07E+00	8.38E+00	2.30E+01 U
WG	W-7	485087003	7/16/2019	Ce-141	-2.04E+00	1.83E+00	5.41E+00 U
WG	W-7	485087003	7/16/2019	Ce-144	-8.81E+00	7.19E+00	2.10E+01 U
WG	W-7	485087003	7/16/2019	Co-57	-9.86E-01	9.22E-01	2.75E+00 U
WG	W-7	485087003	7/16/2019	Co-58	-6.45E-02	9.89E-01	3.20E+00 U
WG	W-7	485087003	7/16/2019	Co-60	-1.45E+00	1.20E+00	3.33E+00 U
WG	W-7	485087003	7/16/2019	Cr-51	-8.42E-01	8.71E+00	2.98E+01 U
WG	W-7	485087003	7/16/2019	Cs-134	-1.24E+00	8.66E-01	2.06E+00 U
WG	W-7	485087003	7/16/2019	Cs-137	-7.00E-01	1.10E+00	3.38E+00 U
WG	W-7	485087003	7/16/2019	Fe-59	-2.73E+00	1.83E+00	3.99E+00 U
WG	W-7	485087003	7/16/2019	H-3	2.64E+01	3.96E+02	1.30E+03 U
WG	W-7	485087003	7/16/2019	I-131	-5.88E-01	1.29E+00	4.25E+00 U
WG	W-7	485087003	7/16/2019	K-40	-3.38E+01	1.55E+01	4.00E+01 U
WG	W-7	485087003	7/16/2019	La-140	-1.44E+00	1.48E+00	4.13E+00 U
WG	W-7	485087003	7/16/2019	Mn-54	-1.68E+00	1.06E+00	2.58E+00 U
WG	W-7	485087003	7/16/2019	Nb-95	-2.06E+00	1.20E+00	2.76E+00 U
WG	W-7	485087003	7/16/2019	Ru-103	-1.03E+00	9.05E-01	2.64E+00 U
WG	W-7	485087003	7/16/2019	Ru-106	-5.00E+00	7.68E+00	2.35E+01 U
WG	W-7	485087003	7/16/2019	Sb-124	-1.92E+00	2.67E+00	7.87E+00 U
WG	W-7	485087003	7/16/2019	Sb-125	4.87E+00	2.33E+00	8.15E+00 U
WG	W-7	485087003	7/16/2019	Se-75	-2.37E+00	1.60E+00	4.25E+00 U
WG	W-7	485087003	7/16/2019	Th-228	1.17E-01	2.64E+00	5.53E+00 U
WG	W-7	485087003	7/16/2019	Zn-65	5.94E+00	2.71E+00	3.99E+00 UI
WG	W-7	485087003	7/16/2019	Zr-95	1.92E-01	1.79E+00	5.92E+00 U
WG	W-9	485087005	7/16/2019	Ac-228	9.82E+00	8.15E+00	1.41E+01 U
WG	W-9	485087005	7/16/2019	Ag-108m	-3.48E-01	9.35E-01	3.05E+00 U
WG	W-9	485087005	7/16/2019	Ag-110m	1.90E+00	1.43E+00	5.06E+00 U
WG	W-9	485087005	7/16/2019	Ba-140	4.02E+00	5.15E+00	1.78E+01 U
WG	W-9	485087005	7/16/2019	Be-7	-4.21E+00	9.58E+00	3.09E+01 U
WG	W-9	485087005	7/16/2019	Ce-141	-3.54E+00	2.44E+00	6.23E+00 U
WG	W-9	485087005	7/16/2019	Ce-144	8.87E+00	7.68E+00	2.54E+01 U
WG	W-9	485087005	7/16/2019	Co-57	2.01E+00	1.17E+00	3.78E+00 U
WG	W-9	485087005	7/16/2019	Co-58	-9.31E-01	1.17E+00	2.89E+00 U
WG	W-9	485087005	7/16/2019	Co-60	1.27E+00	1.07E+00	3.99E+00 U
WG	W-9	485087005	7/16/2019	Cr-51	-8.02E+00	1.00E+01	3.22E+01 U
WG	W-9	485087005	7/16/2019	Cs-134	1.58E+00	1.11E+00	3.96E+00 U
WG	W-9	485087005	7/16/2019	Cs-137	-1.70E+00	1.23E+00	3.29E+00 U
WG	W-9	485087005	7/16/2019	Fe-59	-3.41E-01	2.07E+00	6.88E+00 U
WG	W-9	485087005	7/16/2019	H-3	4.13E+02	4.09E+02	1.28E+03 U
WG	W-9	485087005	7/16/2019	I-131	-1.63E+00	1.49E+00	4.53E+00 U
WG	W-9	485087005	7/16/2019	K-40	9.65E+00	2.23E+01	2.50E+01 U
WG	W-9	485087005	7/16/2019	La-140	-4.78E+00	1.99E+00	2.47E+00 U
WG	W-9	485087005	7/16/2019	Mn-54	1.26E+00	1.24E+00	4.26E+00 U
WG	W-9	485087005	7/16/2019	Nb-95	1.13E-01	1.48E+00	4.65E+00 U
WG	W-9	485087005	7/16/2019	Ru-103	1.42E+00	1.06E+00	3.49E+00 U
WG	W-9	485087005	7/16/2019	Ru-106	1.41E+01	9.93E+00	3.27E+01 U
WG	W-9	485087005	7/16/2019	Sb-124	-2.44E+00	2.68E+00	7.28E+00 U
WG	W-9	485087005	7/16/2019	Sb-125	3.18E+00	2.88E+00	1.01E+01 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-9	485087005	7/16/2019	Se-75	-1.56E+00	1.68E+00	4.81E+00 U
WG	W-9	485087005	7/16/2019	Th-228	6.26E+00	4.92E+00	9.22E+00 U
WG	W-9	485087005	7/16/2019	Zn-65	8.76E-01	2.08E+00	6.66E+00 U
WG	W-9	485087005	7/16/2019	Zr-95	-2.53E+00	2.04E+00	5.45E+00 U
WG	W-10	485087006	7/16/2019	Ac-228	-7.79E+00	7.15E+00	2.08E+01 U
WG	W-10	485087006	7/16/2019	Ag-108m	-2.12E+00	1.39E+00	3.73E+00 U
WG	W-10	485087006	7/16/2019	Ag-110m	3.96E-01	2.03E+00	6.89E+00 U
WG	W-10	485087006	7/16/2019	Ba-140	-1.25E+01	6.58E+00	1.50E+01 U
WG	W-10	485087006	7/16/2019	Be-7	1.54E+01	1.23E+01	4.19E+01 U
WG	W-10	485087006	7/16/2019	Ce-141	6.48E+00	3.88E+00	5.22E+00 UI
WG	W-10	485087006	7/16/2019	Ce-144	-4.83E+00	7.46E+00	2.26E+01 U
WG	W-10	485087006	7/16/2019	Co-57	-1.50E+00	1.10E+00	3.08E+00 U
WG	W-10	485087006	7/16/2019	Co-58	8.65E-01	1.46E+00	5.12E+00 U
WG	W-10	485087006	7/16/2019	Co-60	-1.01E+00	1.95E+00	5.60E+00 U
WG	W-10	485087006	7/16/2019	Cr-51	-3.79E+00	1.05E+01	3.41E+01 U
WG	W-10	485087006	7/16/2019	Cs-134	-3.83E+00	2.10E+00	5.34E+00 U
WG	W-10	485087006	7/16/2019	Cs-137	7.58E+00	2.44E+00	4.02E+00 UI
WG	W-10	485087006	7/16/2019	Fe-59	-1.56E-01	2.64E+00	8.62E+00 U
WG	W-10	485087006	7/16/2019	H-3	5.96E+01	4.05E+02	1.32E+03 U
WG	W-10	485087006	7/16/2019	I-131	-1.59E+00	1.59E+00	4.71E+00 U
WG	W-10	485087006	7/16/2019	K-40	1.66E+01	2.46E+01	9.08E+01 U
WG	W-10	485087006	7/16/2019	La-140	1.91E+00	2.06E+00	7.07E+00 U
WG	W-10	485087006	7/16/2019	Mn-54	2.30E+00	1.38E+00	4.21E+00 U
WG	W-10	485087006	7/16/2019	Nb-95	4.15E-01	1.62E+00	5.58E+00 U
WG	W-10	485087006	7/16/2019	Ru-103	-6.82E-01	1.58E+00	4.94E+00 U
WG	W-10	485087006	7/16/2019	Ru-106	8.10E+00	1.40E+01	4.64E+01 U
WG	W-10	485087006	7/16/2019	Sb-124	4.35E+00	2.79E+00	1.12E+01 U
WG	W-10	485087006	7/16/2019	Sb-125	6.89E-01	3.53E+00	1.18E+01 U
WG	W-10	485087006	7/16/2019	Se-75	-7.90E-01	1.56E+00	5.11E+00 U
WG	W-10	485087006	7/16/2019	Th-228	-2.14E+00	2.52E+00	8.16E+00 U
WG	W-10	485087006	7/16/2019	Zn-65	4.26E+00	3.35E+00	1.20E+01 U
WG	W-10	485087006	7/16/2019	Zr-95	-5.47E-01	2.35E+00	7.75E+00 U
WG	W-11	485087007	7/16/2019	Ac-228	9.47E+00	9.69E+00	2.45E+01 U
WG	W-11	485087007	7/16/2019	Ag-108m	-1.55E+00	1.26E+00	3.55E+00 U
WG	W-11	485087007	7/16/2019	Ag-110m	8.15E-02	1.86E+00	6.12E+00 U
WG	W-11	485087007	7/16/2019	Ba-140	-4.86E+00	6.05E+00	1.76E+01 U
WG	W-11	485087007	7/16/2019	Be-7	1.50E+01	1.39E+01	3.94E+01 U
WG	W-11	485087007	7/16/2019	Ce-141	-7.94E-01	2.19E+00	6.63E+00 U
WG	W-11	485087007	7/16/2019	Ce-144	8.85E+00	7.81E+00	2.61E+01 U
WG	W-11	485087007	7/16/2019	Co-57	9.81E-01	1.02E+00	3.44E+00 U
WG	W-11	485087007	7/16/2019	Co-58	-8.16E-01	1.19E+00	3.56E+00 U
WG	W-11	485087007	7/16/2019	Co-60	-1.42E+00	1.22E+00	3.07E+00 U
WG	W-11	485087007	7/16/2019	Cr-51	5.37E+00	1.10E+01	3.79E+01 U
WG	W-11	485087007	7/16/2019	Cs-134	-2.65E+00	1.47E+00	3.39E+00 U
WG	W-11	485087007	7/16/2019	Cs-137	3.04E-01	1.27E+00	3.90E+00 U
WG	W-11	485087007	7/16/2019	Fe-59	2.05E+00	3.05E+00	1.04E+01 U
WG	W-11	485087007	7/16/2019	H-3	-4.23E+02	3.89E+02	1.35E+03 U
WG	W-11	485087007	7/16/2019	I-131	-2.33E+00	1.79E+00	5.11E+00 U
WG	W-11	485087007	7/16/2019	K-40	-2.40E+01	2.37E+01	7.05E+01 U
WG	W-11	485087007	7/16/2019	La-140	-3.46E+00	2.47E+00	6.04E+00 U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-11	485087007	7/16/2019	Mn-54	-5.36E-01	1.31E+00	4.12E+00 U
WG	W-11	485087007	7/16/2019	Nb-95	2.41E+00	1.40E+00	4.95E+00 U
WG	W-11	485087007	7/16/2019	Ru-103	-6.68E-01	1.38E+00	4.24E+00 U
WG	W-11	485087007	7/16/2019	Ru-106	-6.30E+00	1.13E+01	3.63E+01 U
WG	W-11	485087007	7/16/2019	Sb-124	-3.80E+00	2.78E+00	5.55E+00 U
WG	W-11	485087007	7/16/2019	Sb-125	1.27E+00	3.59E+00	1.20E+01 U
WG	W-11	485087007	7/16/2019	Se-75	-5.60E-01	1.51E+00	5.03E+00 U
WG	W-11	485087007	7/16/2019	Th-228	-8.41E-01	2.84E+00	9.72E+00 U
WG	W-11	485087007	7/16/2019	Zn-65	3.13E+00	3.34E+00	1.05E+01 U
WG	W-11	485087007	7/16/2019	Zr-95	-7.34E-01	2.15E+00	6.91E+00 U
WG	W-12	485087008	7/16/2019	Ac-228	5.70E+00	9.39E+00	2.32E+01 U
WG	W-12	485087008	7/16/2019	Ag-108m	-8.28E-01	1.25E+00	3.39E+00 U
WG	W-12	485087008	7/16/2019	Ag-110m	-9.74E-01	1.65E+00	5.14E+00 U
WG	W-12	485087008	7/16/2019	Ba-140	3.88E+00	5.80E+00	1.96E+01 U
WG	W-12	485087008	7/16/2019	Be-7	-7.29E+00	8.86E+00	2.61E+01 U
WG	W-12	485087008	7/16/2019	Ce-141	1.68E-01	2.27E+00	6.71E+00 U
WG	W-12	485087008	7/16/2019	Ce-144	-9.06E+00	8.84E+00	2.60E+01 U
WG	W-12	485087008	7/16/2019	Co-57	-8.04E-01	1.18E+00	3.63E+00 U
WG	W-12	485087008	7/16/2019	Co-58	-4.13E-01	1.24E+00	4.04E+00 U
WG	W-12	485087008	7/16/2019	Co-60	1.97E+00	1.66E+00	5.91E+00 U
WG	W-12	485087008	7/16/2019	Cr-51	8.96E+00	1.17E+01	4.04E+01 U
WG	W-12	485087008	7/16/2019	Cs-134	-1.08E+00	1.32E+00	4.01E+00 U
WG	W-12	485087008	7/16/2019	Cs-137	-3.94E-01	1.41E+00	4.37E+00 U
WG	W-12	485087008	7/16/2019	Fe-59	4.39E-01	2.46E+00	7.36E+00 U
WG	W-12	485087008	7/16/2019	H-3	1.81E+02	4.04E+02	1.30E+03 U
WG	W-12	485087008	7/16/2019	I-131	-1.16E+00	1.81E+00	5.43E+00 U
WG	W-12	485087008	7/16/2019	K-40	9.10E+00	2.05E+01	6.85E+01 U
WG	W-12	485087008	7/16/2019	La-140	-2.11E+00	2.06E+00	5.80E+00 U
WG	W-12	485087008	7/16/2019	Mn-54	-2.44E+00	1.41E+00	3.54E+00 U
WG	W-12	485087008	7/16/2019	Nb-95	9.24E-01	1.36E+00	4.36E+00 U
WG	W-12	485087008	7/16/2019	Ru-103	-2.14E+00	1.39E+00	3.63E+00 U
WG	W-12	485087008	7/16/2019	Ru-106	-1.40E+01	1.44E+01	3.50E+01 U
WG	W-12	485087008	7/16/2019	Sb-124	-5.12E+00	3.08E+00	6.30E+00 U
WG	W-12	485087008	7/16/2019	Sb-125	1.91E+00	3.50E+00	1.19E+01 U
WG	W-12	485087008	7/16/2019	Se-75	1.06E-01	1.59E+00	5.46E+00 U
WG	W-12	485087008	7/16/2019	Th-228	4.68E+00	3.98E+00	9.80E+00 U
WG	W-12	485087008	7/16/2019	Zn-65	-1.77E+00	3.54E+00	9.39E+00 U
WG	W-12	485087008	7/16/2019	Zr-95	-3.85E+00	2.62E+00	5.78E+00 U
WG	W-13	485087009	7/16/2019	Ac-228	-4.33E+00	6.04E+00	2.01E+01 U
WG	W-13	485087009	7/16/2019	Ag-108m	1.45E+00	1.11E+00	3.82E+00 U
WG	W-13	485087009	7/16/2019	Ag-110m	3.83E+00	2.06E+00	7.24E+00 U
WG	W-13	485087009	7/16/2019	Ba-140	-9.75E-02	5.16E+00	1.47E+01 U
WG	W-13	485087009	7/16/2019	Be-7	-1.22E+00	1.16E+01	3.72E+01 U
WG	W-13	485087009	7/16/2019	Ce-141	-4.44E+00	2.45E+00	6.14E+00 U
WG	W-13	485087009	7/16/2019	Ce-144	-6.37E+00	7.41E+00	2.25E+01 U
WG	W-13	485087009	7/16/2019	Co-57	-1.27E+00	1.15E+00	3.43E+00 U
WG	W-13	485087009	7/16/2019	Co-58	2.19E-01	1.23E+00	4.14E+00 U
WG	W-13	485087009	7/16/2019	Co-60	7.14E-02	1.18E+00	3.97E+00 U
WG	W-13	485087009	7/16/2019	Cr-51	-6.01E+00	1.10E+01	3.54E+01 U
WG	W-13	485087009	7/16/2019	Cs-134	3.13E+00	1.74E+00	6.09E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-13	485087009	7/16/2019	Cs-137	-1.20E+00	1.34E+00	4.06E+00 U
WG	W-13	485087009	7/16/2019	Fe-59	-9.05E-01	2.37E+00	7.13E+00 U
WG	W-13	485087009	7/16/2019	H-3	3.46E+01	3.89E+02	1.28E+03 U
WG	W-13	485087009	7/16/2019	I-131	-2.32E-02	1.70E+00	5.04E+00 U
WG	W-13	485087009	7/16/2019	K-40	-1.38E+01	1.93E+01	6.00E+01 U
WG	W-13	485087009	7/16/2019	La-140	-6.76E-01	1.75E+00	5.29E+00 U
WG	W-13	485087009	7/16/2019	Mn-54	1.26E+00	1.33E+00	4.29E+00 U
WG	W-13	485087009	7/16/2019	Nb-95	-2.26E+00	1.39E+00	3.50E+00 U
WG	W-13	485087009	7/16/2019	Ru-103	2.08E+00	1.39E+00	4.74E+00 U
WG	W-13	485087009	7/16/2019	Ru-106	1.81E+00	1.17E+01	4.00E+01 U
WG	W-13	485087009	7/16/2019	Sb-124	-3.49E+00	4.31E+00	1.23E+01 U
WG	W-13	485087009	7/16/2019	Sb-125	6.09E+00	3.74E+00	1.28E+01 U
WG	W-13	485087009	7/16/2019	Se-75	-1.35E+00	1.59E+00	5.06E+00 U
WG	W-13	485087009	7/16/2019	Th-228	1.30E+00	3.43E+00	9.43E+00 U
WG	W-13	485087009	7/16/2019	Zn-65	-2.21E+00	3.47E+00	1.02E+01 U
WG	W-13	485087009	7/16/2019	Zr-95	-1.82E+00	2.30E+00	6.21E+00 U
WG	W-14	485087010	7/16/2019	Ac-228	2.24E+01	9.72E+00	2.51E+01 U
WG	W-14	485087010	7/16/2019	Ag-108m	-6.06E-01	1.18E+00	3.67E+00 U
WG	W-14	485087010	7/16/2019	Ag-110m	-2.38E-01	1.71E+00	5.64E+00 U
WG	W-14	485087010	7/16/2019	Ba-140	-1.38E+00	5.95E+00	1.88E+01 U
WG	W-14	485087010	7/16/2019	Be-7	3.02E+00	9.52E+00	3.19E+01 U
WG	W-14	485087010	7/16/2019	Ce-141	-9.32E-01	2.05E+00	5.74E+00 U
WG	W-14	485087010	7/16/2019	Ce-144	7.85E+00	7.41E+00	2.41E+01 U
WG	W-14	485087010	7/16/2019	Co-57	4.38E-01	9.57E-01	3.11E+00 U
WG	W-14	485087010	7/16/2019	Co-58	-1.45E+00	1.41E+00	4.10E+00 U
WG	W-14	485087010	7/16/2019	Co-60	2.04E+00	1.60E+00	5.81E+00 U
WG	W-14	485087010	7/16/2019	Cr-51	-2.93E+00	9.64E+00	3.15E+01 U
WG	W-14	485087010	7/16/2019	Cs-134	2.72E-01	1.52E+00	5.22E+00 U
WG	W-14	485087010	7/16/2019	Cs-137	-6.02E-01	1.47E+00	4.45E+00 U
WG	W-14	485087010	7/16/2019	Fe-59	-1.33E+00	2.69E+00	8.20E+00 U
WG	W-14	485087010	7/16/2019	H-3	-3.75E+02	3.85E+02	1.33E+03 U
WG	W-14	485087010	7/16/2019	I-131	-1.89E+00	1.73E+00	5.10E+00 U
WG	W-14	485087010	7/16/2019	K-40	-7.00E+00	2.23E+01	7.84E+01 U
WG	W-14	485087010	7/16/2019	La-140	-2.76E-01	2.12E+00	6.98E+00 U
WG	W-14	485087010	7/16/2019	Mn-54	6.07E-01	1.47E+00	5.09E+00 U
WG	W-14	485087010	7/16/2019	Nb-95	3.22E+00	1.49E+00	5.08E+00 U
WG	W-14	485087010	7/16/2019	Ru-103	-4.49E-01	1.39E+00	3.85E+00 U
WG	W-14	485087010	7/16/2019	Ru-106	2.83E+01	1.89E+01	4.35E+01 U
WG	W-14	485087010	7/16/2019	Sb-124	-8.59E-01	2.74E+00	8.60E+00 U
WG	W-14	485087010	7/16/2019	Sb-125	2.34E+00	3.45E+00	1.18E+01 U
WG	W-14	485087010	7/16/2019	Se-75	1.59E-01	1.63E+00	5.55E+00 U
WG	W-14	485087010	7/16/2019	Th-228	6.24E+00	2.87E+00	6.92E+00 U
WG	W-14	485087010	7/16/2019	Zn-65	-5.77E+00	4.38E+00	9.42E+00 U
WG	W-14	485087010	7/16/2019	Zr-95	-1.12E-01	2.21E+00	7.45E+00 U
WG	W-15	485087011	7/16/2019	Ac-228	-7.73E+00	4.95E+00	1.37E+01 U
WG	W-15	485087011	7/16/2019	Ag-108m	8.09E-01	9.42E-01	3.30E+00 U
WG	W-15	485087011	7/16/2019	Ag-110m	-1.16E+00	1.58E+00	4.56E+00 U
WG	W-15	485087011	7/16/2019	Ba-140	1.62E+00	4.72E+00	1.60E+01 U
WG	W-15	485087011	7/16/2019	Be-7	-6.93E-01	8.38E+00	2.79E+01 U
WG	W-15	485087011	7/16/2019	Ce-141	7.94E+00	4.14E+00	6.28E+00 UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-15	485087011	7/16/2019	Ce-144	1.09E+00	8.11E+00	2.64E+01 U
WG	W-15	485087011	7/16/2019	Co-57	-1.30E-01	9.67E-01	3.13E+00 U
WG	W-15	485087011	7/16/2019	Co-58	-1.45E+00	1.15E+00	2.43E+00 U
WG	W-15	485087011	7/16/2019	Co-60	-1.76E-01	9.82E-01	3.19E+00 U
WG	W-15	485087011	7/16/2019	Cr-51	6.09E-01	9.48E+00	3.26E+01 U
WG	W-15	485087011	7/16/2019	Cs-134	1.08E+00	1.02E+00	3.62E+00 U
WG	W-15	485087011	7/16/2019	Cs-137	9.37E-02	9.79E-01	3.24E+00 U
WG	W-15	485087011	7/16/2019	Fe-59	-2.61E+00	2.08E+00	5.68E+00 U
WG	W-15	485087011	7/16/2019	H-3	-2.00E+02	4.58E+02	1.54E+03 U
WG	W-15	485087011	7/16/2019	I-131	2.12E+00	1.52E+00	5.31E+00 U
WG	W-15	485087011	7/16/2019	K-40	-3.83E-01	1.62E+01	6.07E+01 U
WG	W-15	485087011	7/16/2019	La-140	-2.11E+00	1.81E+00	4.76E+00 U
WG	W-15	485087011	7/16/2019	Mn-54	2.27E-01	9.71E-01	3.21E+00 U
WG	W-15	485087011	7/16/2019	Nb-95	-1.21E+00	1.25E+00	2.86E+00 U
WG	W-15	485087011	7/16/2019	Ru-103	1.54E+00	1.19E+00	4.15E+00 U
WG	W-15	485087011	7/16/2019	Ru-106	-5.86E-01	9.48E+00	3.10E+01 U
WG	W-15	485087011	7/16/2019	Sb-124	1.94E+00	2.34E+00	8.55E+00 U
WG	W-15	485087011	7/16/2019	Sb-125	8.41E+00	4.36E+00	9.52E+00 U
WG	W-15	485087011	7/16/2019	Se-75	-2.13E+00	1.73E+00	4.74E+00 U
WG	W-15	485087011	7/16/2019	Th-228	3.87E-02	2.73E+00	8.26E+00 U
WG	W-15	485087011	7/16/2019	Zn-65	1.79E+00	2.00E+00	6.79E+00 U
WG	W-15	485087011	7/16/2019	Zr-95	-3.39E+00	1.87E+00	4.06E+00 U
WG	MW-20	485087012	7/16/2019	Ac-228	5.09E+00	4.43E+00	1.44E+01 U
WG	MW-20	485087012	7/16/2019	Ag-108m	-1.72E+00	8.61E-01	2.10E+00 U
WG	MW-20	485087012	7/16/2019	Ag-110m	-1.21E+00	1.35E+00	3.83E+00 U
WG	MW-20	485087012	7/16/2019	Ba-140	3.20E+00	3.85E+00	1.33E+01 U
WG	MW-20	485087012	7/16/2019	Be-7	1.03E-01	8.21E+00	2.77E+01 U
WG	MW-20	485087012	7/16/2019	Ce-141	-9.71E-01	1.68E+00	5.21E+00 U
WG	MW-20	485087012	7/16/2019	Ce-144	-1.08E+00	6.72E+00	2.16E+01 U
WG	MW-20	485087012	7/16/2019	Co-57	4.85E-01	9.26E-01	3.06E+00 U
WG	MW-20	485087012	7/16/2019	Co-58	3.26E-01	9.49E-01	3.19E+00 U
WG	MW-20	485087012	7/16/2019	Co-60	1.78E+00	1.32E+00	4.77E+00 U
WG	MW-20	485087012	7/16/2019	Cr-51	-1.82E+00	8.18E+00	2.77E+01 U
WG	MW-20	485087012	7/16/2019	Cs-134	1.19E+00	1.03E+00	3.64E+00 U
WG	MW-20	485087012	7/16/2019	Cs-137	1.20E+00	1.04E+00	3.64E+00 U
WG	MW-20	485087012	7/16/2019	Fe-59	-1.44E-01	2.00E+00	6.30E+00 U
WG	MW-20	485087012	7/16/2019	H-3	3.54E+02	4.27E+02	1.35E+03 U
WG	MW-20	485087012	7/16/2019	I-131	8.48E-01	1.11E+00	3.93E+00 U
WG	MW-20	485087012	7/16/2019	K-40	-1.36E+01	1.24E+01	4.20E+01 U
WG	MW-20	485087012	7/16/2019	La-140	8.61E-01	1.23E+00	4.46E+00 U
WG	MW-20	485087012	7/16/2019	Mn-54	1.26E-01	1.07E+00	3.52E+00 U
WG	MW-20	485087012	7/16/2019	Nb-95	-5.46E-01	1.13E+00	3.35E+00 U
WG	MW-20	485087012	7/16/2019	Ru-103	-7.80E-01	8.38E-01	2.52E+00 U
WG	MW-20	485087012	7/16/2019	Ru-106	-2.42E+00	6.66E+00	2.11E+01 U
WG	MW-20	485087012	7/16/2019	Sb-124	-2.45E+00	2.61E+00	7.31E+00 U
WG	MW-20	485087012	7/16/2019	Sb-125	1.73E+00	2.56E+00	8.96E+00 U
WG	MW-20	485087012	7/16/2019	Se-75	1.09E+00	1.34E+00	4.34E+00 U
WG	MW-20	485087012	7/16/2019	Th-228	1.11E+00	3.41E+00	7.61E+00 U
WG	MW-20	485087012	7/16/2019	Zn-65	7.35E-02	2.24E+00	6.37E+00 U
WG	MW-20	485087012	7/16/2019	Zr-95	-1.84E+00	1.78E+00	5.02E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	MW-21	485087013	7/16/2019	Ac-228	2.62E+00	6.44E+00	1.58E+01 U
WG	MW-21	485087013	7/16/2019	Ag-108m	1.22E+00	1.06E+00	3.37E+00 U
WG	MW-21	485087013	7/16/2019	Ag-110m	7.00E-01	1.32E+00	4.48E+00 U
WG	MW-21	485087013	7/16/2019	Ba-140	4.86E-01	4.60E+00	1.55E+01 U
WG	MW-21	485087013	7/16/2019	Be-7	1.94E+00	7.95E+00	2.72E+01 U
WG	MW-21	485087013	7/16/2019	Ce-141	6.01E+00	3.66E+00	4.75E+00 UI
WG	MW-21	485087013	7/16/2019	Ce-144	-2.00E+00	7.55E+00	2.39E+01 U
WG	MW-21	485087013	7/16/2019	Co-57	-1.62E+00	1.03E+00	2.84E+00 U
WG	MW-21	485087013	7/16/2019	Co-58	-7.09E-01	8.37E-01	2.40E+00 U
WG	MW-21	485087013	7/16/2019	Co-60	7.02E-02	1.08E+00	3.70E+00 U
WG	MW-21	485087013	7/16/2019	Cr-51	2.04E+00	1.03E+01	3.57E+01 U
WG	MW-21	485087013	7/16/2019	Cs-134	-2.14E-01	1.12E+00	3.60E+00 U
WG	MW-21	485087013	7/16/2019	Cs-137	-3.12E-01	8.72E-01	2.77E+00 U
WG	MW-21	485087013	7/16/2019	Fe-59	-1.39E-01	2.06E+00	6.55E+00 U
WG	MW-21	485087013	7/16/2019	H-3	-2.41E+02	4.05E+02	1.37E+03 U
WG	MW-21	485087013	7/16/2019	I-131	2.55E-01	1.51E+00	5.17E+00 U
WG	MW-21	485087013	7/16/2019	K-40	-1.08E+01	1.63E+01	5.61E+01 U
WG	MW-21	485087013	7/16/2019	La-140	-4.06E-03	1.20E+00	4.02E+00 U
WG	MW-21	485087013	7/16/2019	Mn-54	6.79E-01	9.66E-01	3.31E+00 U
WG	MW-21	485087013	7/16/2019	Nb-95	7.85E-01	1.12E+00	3.25E+00 U
WG	MW-21	485087013	7/16/2019	Ru-103	6.47E-02	1.02E+00	3.43E+00 U
WG	MW-21	485087013	7/16/2019	Ru-106	-1.20E+01	9.13E+00	2.55E+01 U
WG	MW-21	485087013	7/16/2019	Sb-124	-4.38E+00	2.56E+00	5.64E+00 U
WG	MW-21	485087013	7/16/2019	Sb-125	-2.63E+00	2.96E+00	9.27E+00 U
WG	MW-21	485087013	7/16/2019	Se-75	-1.31E+00	1.50E+00	4.32E+00 U
WG	MW-21	485087013	7/16/2019	Th-228	8.21E+00	4.13E+00	6.25E+00 UI
WG	MW-21	485087013	7/16/2019	Zn-65	1.40E+00	2.30E+00	7.74E+00 U
WG	MW-21	485087013	7/16/2019	Zr-95	2.33E-01	1.62E+00	5.39E+00 U
WG	W-8	485087004	7/17/2019	Ac-228	-3.57E+00	6.08E+00	1.86E+01 U
WG	W-8	485087004	7/17/2019	Ag-108m	-5.55E-01	1.23E+00	3.89E+00 U
WG	W-8	485087004	7/17/2019	Ag-110m	1.21E+00	1.64E+00	5.82E+00 U
WG	W-8	485087004	7/17/2019	Ba-140	-3.91E+00	3.86E+00	1.08E+01 U
WG	W-8	485087004	7/17/2019	Be-7	3.42E+00	9.51E+00	3.17E+01 U
WG	W-8	485087004	7/17/2019	Ce-141	1.72E+00	2.14E+00	7.37E+00 U
WG	W-8	485087004	7/17/2019	Ce-144	-1.20E+00	8.85E+00	3.01E+01 U
WG	W-8	485087004	7/17/2019	Co-57	-4.21E-01	1.17E+00	3.95E+00 U
WG	W-8	485087004	7/17/2019	Co-58	1.11E+00	1.11E+00	3.80E+00 U
WG	W-8	485087004	7/17/2019	Co-60	6.85E-01	1.26E+00	4.40E+00 U
WG	W-8	485087004	7/17/2019	Cr-51	7.47E+00	1.03E+01	3.50E+01 U
WG	W-8	485087004	7/17/2019	Cs-134	-6.40E-01	1.37E+00	4.10E+00 U
WG	W-8	485087004	7/17/2019	Cs-137	4.46E-01	1.12E+00	3.38E+00 U
WG	W-8	485087004	7/17/2019	Fe-59	-5.98E-01	2.29E+00	6.46E+00 U
WG	W-8	485087004	7/17/2019	H-3	2.92E+02	4.17E+02	1.32E+03 U
WG	W-8	485087004	7/17/2019	I-131	1.42E-01	1.54E+00	4.87E+00 U
WG	W-8	485087004	7/17/2019	K-40	1.43E+01	2.46E+01	4.16E+01 U
WG	W-8	485087004	7/17/2019	La-140	-9.68E-01	1.69E+00	5.04E+00 U
WG	W-8	485087004	7/17/2019	Mn-54	-5.62E-01	1.18E+00	3.53E+00 U
WG	W-8	485087004	7/17/2019	Nb-95	2.32E-01	1.42E+00	4.09E+00 U
WG	W-8	485087004	7/17/2019	Ru-103	-4.13E-01	1.34E+00	3.75E+00 U
WG	W-8	485087004	7/17/2019	Ru-106	7.82E-02	1.16E+01	3.55E+01 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-8	485087004	7/17/2019	Sb-124	7.05E-01	2.45E+00	8.36E+00 U
WG	W-8	485087004	7/17/2019	Sb-125	-4.40E+00	3.71E+00	1.07E+01 U
WG	W-8	485087004	7/17/2019	Se-75	-7.66E-01	1.74E+00	5.66E+00 U
WG	W-8	485087004	7/17/2019	Th-228	2.64E+00	2.85E+00	9.07E+00 U
WG	W-8	485087004	7/17/2019	Zn-65	-5.92E-01	2.55E+00	7.57E+00 U
WG	W-8	485087004	7/17/2019	Zr-95	2.83E+00	1.79E+00	6.34E+00 U
WG	SG-1	485087014	7/17/2019	Ac-228	-7.21E+00	5.14E+00	1.44E+01 U
WG	SG-1	485087014	7/17/2019	Ag-108m	4.47E-02	1.09E+00	3.14E+00 U
WG	SG-1	485087014	7/17/2019	Ag-110m	-1.89E+00	1.37E+00	3.38E+00 U
WG	SG-1	485087014	7/17/2019	ALPHA	2.77E+00	1.55E+00	4.41E+00 UDL
WG	SG-1	485087014	7/17/2019	Ba-140	-6.11E+00	4.55E+00	1.29E+01 U
WG	SG-1	485087014	7/17/2019	Bc-7	-5.37E+00	9.14E+00	2.95E+01 U
WG	SG-1	485087014	7/17/2019	BETA	4.37E+00	1.05E+00	2.84E+00
WG	SG-1	485087014	7/17/2019	Ce-141	-4.28E+00	1.96E+00	4.92E+00 U
WG	SG-1	485087014	7/17/2019	Ce-144	2.49E-01	6.97E+00	2.33E+01 U
WG	SG-1	485087014	7/17/2019	Co-57	-3.49E-01	8.81E-01	2.89E+00 U
WG	SG-1	485087014	7/17/2019	Co-58	-5.23E-01	1.42E+00	2.95E+00 U
WG	SG-1	485087014	7/17/2019	Co-60	1.14E+00	9.16E-01	3.46E+00 U
WG	SG-1	485087014	7/17/2019	Cr-51	3.22E-01	8.72E+00	2.75E+01 U
WG	SG-1	485087014	7/17/2019	Cs-134	-1.15E+00	1.39E+00	3.94E+00 U
WG	SG-1	485087014	7/17/2019	Cs-137	-1.07E-01	1.33E+00	4.62E+00 U
WG	SG-1	485087014	7/17/2019	Fe-59	9.86E-01	1.98E+00	7.02E+00 U
WG	SG-1	485087014	7/17/2019	H-3	-5.29E+02	4.04E+02	1.41E+03 U
WG	SG-1	485087014	7/17/2019	I-131	-7.69E-01	1.37E+00	4.02E+00 U
WG	SG-1	485087014	7/17/2019	K-40	1.38E+01	1.79E+01	5.92E+01 U
WG	SG-1	485087014	7/17/2019	La-140	-2.19E+00	1.29E+00	2.34E+00 U
WG	SG-1	485087014	7/17/2019	Mn-54	-5.58E-01	1.03E+00	2.68E+00 U
WG	SG-1	485087014	7/17/2019	Nb-95	6.82E-01	1.11E+00	3.78E+00 U
WG	SG-1	485087014	7/17/2019	Ru-103	1.07E+00	1.05E+00	3.69E+00 U
WG	SG-1	485087014	7/17/2019	Ru-106	9.86E+00	9.94E+00	3.46E+01 U
WG	SG-1	485087014	7/17/2019	Sb-124	-3.56E+00	2.83E+00	7.05E+00 U
WG	SG-1	485087014	7/17/2019	Sb-125	2.14E-01	2.71E+00	9.28E+00 U
WG	SG-1	485087014	7/17/2019	Se-75	1.85E+00	2.28E+00	4.20E+00 U
WG	SG-1	485087014	7/17/2019	Th-228	-4.17E-01	2.41E+00	7.91E+00 U
WG	SG-1	485087014	7/17/2019	Zn-65	-2.52E+00	3.02E+00	8.32E+00 U
WG	SG-1	485087014	7/17/2019	Zr-95	-1.49E-01	1.58E+00	5.09E+00 U
WG	SG-2	485087015	7/17/2019	Ac-228	4.59E+00	6.42E+00	2.19E+01 U
WG	SG-2	485087015	7/17/2019	Ag-108m	-4.86E-01	1.15E+00	3.60E+00 U
WG	SG-2	485087015	7/17/2019	Ag-110m	-1.84E+00	1.63E+00	3.73E+00 U
WG	SG-2	485087015	7/17/2019	ALPHA	1.40E+00	6.37E-01	1.75E+00 U
WG	SG-2	485087015	7/17/2019	Ba-140	4.65E+00	5.44E+00	1.83E+01 U
WG	SG-2	485087015	7/17/2019	Bc-7	-2.99E+00	1.12E+01	3.53E+01 U
WG	SG-2	485087015	7/17/2019	BETA	2.94E+00	6.26E-01	1.71E+00 M
WG	SG-2	485087015	7/17/2019	Ce-141	-1.98E+00	2.47E+00	7.25E+00 U
WG	SG-2	485087015	7/17/2019	Ce-144	-4.84E-01	8.96E+00	2.88E+01 U
WG	SG-2	485087015	7/17/2019	Co-57	1.71E-01	1.14E+00	3.88E+00 U
WG	SG-2	485087015	7/17/2019	Co-58	-1.36E+00	1.29E+00	3.82E+00 U
WG	SG-2	485087015	7/17/2019	Co-60	9.45E-01	9.67E-01	3.58E+00 U
WG	SG-2	485087015	7/17/2019	Cr-51	2.13E+01	1.17E+01	3.85E+01 U
WG	SG-2	485087015	7/17/2019	Cs-134	1.16E+00	1.38E+00	4.91E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-2	485087015	7/17/2019	Cs-137	5.01E-01	1.41E+00	4.59E+00 U
WG	SG-2	485087015	7/17/2019	Fe-59	-1.50E+00	1.93E+00	5.64E+00 U
WG	SG-2	485087015	7/17/2019	H-3	-3.13E+02	4.46E+02	1.51E+03 U
WG	SG-2	485087015	7/17/2019	I-131	-1.46E+00	1.60E+00	4.78E+00 U
WG	SG-2	485087015	7/17/2019	K-40	1.68E+01	1.65E+01	5.76E+01 U
WG	SG-2	485087015	7/17/2019	La-140	-2.12E-01	1.92E+00	6.16E+00 U
WG	SG-2	485087015	7/17/2019	Mn-54	8.45E-01	1.32E+00	3.97E+00 U
WG	SG-2	485087015	7/17/2019	Nb-95	1.89E+00	1.35E+00	4.78E+00 U
WG	SG-2	485087015	7/17/2019	Ru-103	-1.31E+00	1.37E+00	3.99E+00 U
WG	SG-2	485087015	7/17/2019	Ru-106	-6.41E-01	9.86E+00	3.12E+01 U
WG	SG-2	485087015	7/17/2019	Sb-124	-6.04E+00	3.16E+00	5.43E+00 U
WG	SG-2	485087015	7/17/2019	Sb-125	2.71E+00	3.57E+00	1.20E+01 U
WG	SG-2	485087015	7/17/2019	Se-75	-1.06E+00	1.52E+00	4.75E+00 U
WG	SG-2	485087015	7/17/2019	Th-228	-6.08E-01	2.69E+00	8.69E+00 U
WG	SG-2	485087015	7/17/2019	Zn-65	1.45E+00	3.03E+00	9.39E+00 U
WG	SG-2	485087015	7/17/2019	Zr-95	-1.58E+00	1.94E+00	5.93E+00 U
WG	SG-4	485087016	7/17/2019	Ac-228	-9.39E-01	5.00E+00	1.62E+01 U
WG	SG-4	485087016	7/17/2019	Ag-108m	1.24E+00	8.88E-01	3.14E+00 U
WG	SG-4	485087016	7/17/2019	Ag-110m	4.75E-01	1.45E+00	4.80E+00 U
WG	SG-4	485087016	7/17/2019	ALPHA	3.38E+00	2.12E+00	6.26E+00 UDL
WG	SG-4	485087016	7/17/2019	Ba-140	2.09E+00	4.54E+00	1.41E+01 U
WG	SG-4	485087016	7/17/2019	Be-7	1.39E+01	9.77E+00	3.40E+01 U
WG	SG-4	485087016	7/17/2019	BETA	1.06E+01	1.68E+00	4.10E+00 DL
WG	SG-4	485087016	7/17/2019	Ce-141	-1.14E+00	1.91E+00	5.88E+00 U
WG	SG-4	485087016	7/17/2019	Ce-144	-8.51E+00	8.03E+00	2.36E+01 U
WG	SG-4	485087016	7/17/2019	Co-57	-1.35E-01	1.05E+00	3.37E+00 U
WG	SG-4	485087016	7/17/2019	Co-58	1.84E+00	1.17E+00	4.12E+00 U
WG	SG-4	485087016	7/17/2019	Co-60	2.92E-01	1.13E+00	3.88E+00 U
WG	SG-4	485087016	7/17/2019	Cr-51	-2.68E+00	9.24E+00	3.09E+01 U
WG	SG-4	485087016	7/17/2019	Cs-134	-2.69E-01	1.32E+00	4.16E+00 U
WG	SG-4	485087016	7/17/2019	Cs-137	-2.58E-02	1.12E+00	3.64E+00 U
WG	SG-4	485087016	7/17/2019	Fe-59	-3.88E+00	2.59E+00	5.90E+00 U
WG	SG-4	485087016	7/17/2019	H-3	1.16E+02	4.37E+02	1.42E+03 U
WG	SG-4	485087016	7/17/2019	I-131	-1.73E+00	1.47E+00	4.42E+00 U
WG	SG-4	485087016	7/17/2019	K-40	4.82E+01	2.08E+01	4.24E+01 UI
WG	SG-4	485087016	7/17/2019	La-140	1.68E+00	1.62E+00	5.91E+00 U
WG	SG-4	485087016	7/17/2019	Mn-54	-1.45E-01	1.02E+00	2.83E+00 U
WG	SG-4	485087016	7/17/2019	Nb-95	3.09E-04	1.10E+00	3.54E+00 U
WG	SG-4	485087016	7/17/2019	Ru-103	1.84E-01	1.04E+00	3.52E+00 U
WG	SG-4	485087016	7/17/2019	Ru-106	-9.85E+00	9.48E+00	2.68E+01 U
WG	SG-4	485087016	7/17/2019	Sb-124	-7.69E+00	3.34E+00	3.87E+00 U
WG	SG-4	485087016	7/17/2019	Sb-125	2.51E+00	3.58E+00	1.19E+01 U
WG	SG-4	485087016	7/17/2019	Se-75	4.12E+00	2.25E+00	5.91E+00 U
WG	SG-4	485087016	7/17/2019	Th-228	-1.61E+00	2.85E+00	8.13E+00 U
WG	SG-4	485087016	7/17/2019	Zn-65	-5.42E+00	3.57E+00	7.78E+00 U
WG	SG-4	485087016	7/17/2019	Zr-95	2.14E+00	2.01E+00	6.98E+00 U
WG	SG-5	485087017	7/17/2019	Ac-228	2.14E+00	4.47E+00	1.52E+01 U
WG	SG-5	485087017	7/17/2019	Ag-108m	2.05E+00	1.20E+00	4.05E+00 U
WG	SG-5	485087017	7/17/2019	Ag-110m	7.81E-01	1.26E+00	4.48E+00 U
WG	SG-5	485087017	7/17/2019	ALPHA	8.71E-01	1.10E+00	3.24E+00 U

SAMPLE		LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
TYPE	STATION						
WG	SG-5	485087017	7/17/2019	Ba-140	-3.82E+00	4.71E+00	1.40E+01 U
WG	SG-5	485087017	7/17/2019	Be-7	-2.81E+00	9.30E+00	2.98E+01 U
WG	SG-5	485087017	7/17/2019	BETA	2.28E+01	2.30E+00	2.16E+00
WG	SG-5	485087017	7/17/2019	Ce-141	-5.86E-01	2.26E+00	6.80E+00 U
WG	SG-5	485087017	7/17/2019	Ce-144	-3.64E+00	7.77E+00	2.42E+01 U
WG	SG-5	485087017	7/17/2019	Co-57	7.87E-01	1.07E+00	3.48E+00 U
WG	SG-5	485087017	7/17/2019	Co-58	-7.12E-01	9.94E-01	3.09E+00 U
WG	SG-5	485087017	7/17/2019	Co-60	3.63E-02	1.30E+00	4.26E+00 U
WG	SG-5	485087017	7/17/2019	Cr-51	1.90E+01	1.18E+01	3.96E+01 U
WG	SG-5	485087017	7/17/2019	Cs-134	8.53E-01	1.12E+00	3.99E+00 U
WG	SG-5	485087017	7/17/2019	Cs-137	1.01E+00	1.08E+00	3.68E+00 U
WG	SG-5	485087017	7/17/2019	Fe-59	3.88E-01	2.21E+00	7.45E+00 U
WG	SG-5	485087017	7/17/2019	H-3	-5.44E+02	4.10E+02	1.43E+03 U
WG	SG-5	485087017	7/17/2019	I-131	-3.39E+00	1.74E+00	4.17E+00 U
WG	SG-5	485087017	7/17/2019	K-40	4.40E+01	2.18E+01	4.30E+01 UI
WG	SG-5	485087017	7/17/2019	La-140	2.63E+00	1.87E+00	6.66E+00 U
WG	SG-5	485087017	7/17/2019	Mn-54	-1.62E-01	1.10E+00	3.68E+00 U
WG	SG-5	485087017	7/17/2019	Nb-95	1.01E-01	9.48E-01	2.89E+00 U
WG	SG-5	485087017	7/17/2019	Ru-103	1.28E+00	1.16E+00	3.94E+00 U
WG	SG-5	485087017	7/17/2019	Ru-106	1.05E+01	1.00E+01	3.42E+01 U
WG	SG-5	485087017	7/17/2019	Sb-124	-6.58E-01	1.86E+00	5.80E+00 U
WG	SG-5	485087017	7/17/2019	Sb-125	-1.56E+00	2.94E+00	9.28E+00 U
WG	SG-5	485087017	7/17/2019	Se-75	2.11E+00	1.63E+00	5.61E+00 U
WG	SG-5	485087017	7/17/2019	Th-228	4.35E+00	4.58E+00	9.73E+00 U
WG	SG-5	485087017	7/17/2019	Zn-65	-4.72E+00	2.89E+00	5.29E+00 U
WG	SG-5	485087017	7/17/2019	Zr-95	-3.76E+00	2.35E+00	5.68E+00 U
WG	W-4	485875001	7/25/2019	Ac-228	-1.51E+01	7.56E+00	1.86E+01 U
WG	W-4	485875001	7/25/2019	Ag-108m	-1.30E+00	1.22E+00	3.54E+00 U
WG	W-4	485875001	7/25/2019	Ag-110m	-3.78E-01	1.85E+00	6.01E+00 U
WG	W-4	485875001	7/25/2019	Ba-140	-8.68E-01	6.56E+00	2.08E+01 U
WG	W-4	485875001	7/25/2019	Be-7	-1.05E+01	1.14E+01	3.33E+01 U
WG	W-4	485875001	7/25/2019	Ce-141	-6.81E-02	2.66E+00	7.63E+00 U
WG	W-4	485875001	7/25/2019	Ce-144	-7.84E+00	9.87E+00	2.93E+01 U
WG	W-4	485875001	7/25/2019	Co-57	-1.39E+00	1.21E+00	3.44E+00 U
WG	W-4	485875001	7/25/2019	Co-58	-2.07E+00	1.48E+00	3.91E+00 U
WG	W-4	485875001	7/25/2019	Co-60	-7.07E-01	1.47E+00	4.38E+00 U
WG	W-4	485875001	7/25/2019	Cr-51	7.05E+00	1.17E+01	3.96E+01 U
WG	W-4	485875001	7/25/2019	Cs-134	-4.53E-01	1.42E+00	4.61E+00 U
WG	W-4	485875001	7/25/2019	Cs-137	-5.12E-02	1.30E+00	4.39E+00 U
WG	W-4	485875001	7/25/2019	Fe-59	8.18E+00	3.90E+00	1.02E+01 U
WG	W-4	485875001	7/25/2019	H-3	-2.01E+02	4.10E+02	1.38E+03 U
WG	W-4	485875001	7/25/2019	I-131	1.74E+00	1.92E+00	6.51E+00 U
WG	W-4	485875001	7/25/2019	K-40	3.98E+00	1.72E+01	6.04E+01 U
WG	W-4	485875001	7/25/2019	La-140	2.46E-01	2.14E+00	7.23E+00 U
WG	W-4	485875001	7/25/2019	Mn-54	1.38E+00	1.40E+00	4.89E+00 U
WG	W-4	485875001	7/25/2019	Nb-95	3.94E-01	1.51E+00	5.15E+00 U
WG	W-4	485875001	7/25/2019	Ru-103	-9.90E-01	1.45E+00	4.36E+00 U
WG	W-4	485875001	7/25/2019	Ru-106	-2.74E+00	1.07E+01	3.55E+01 U
WG	W-4	485875001	7/25/2019	Sb-124	-6.94E-01	3.51E+00	1.14E+01 U
WG	W-4	485875001	7/25/2019	Sb-125	-4.14E+00	3.55E+00	1.01E+01 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-4	485875001	7/25/2019	Se-75	-2.05E+00	1.73E+00	5.21E+00 U
WG	W-4	485875001	7/25/2019	Th-228	6.55E-01	3.19E+00	1.03E+01 U
WG	W-4	485875001	7/25/2019	Zn-65	5.40E+00	3.46E+00	9.89E+00 U
WG	W-4	485875001	7/25/2019	Zr-95	2.00E+00	2.44E+00	8.52E+00 U
WG	W-5	485875002	7/25/2019	Ac-228	-4.90E+00	6.81E+00	1.93E+01 U
WG	W-5	485875002	7/25/2019	Ag-108m	-7.91E-01	1.15E+00	3.59E+00 U
WG	W-5	485875002	7/25/2019	Ag-110m	-2.26E+00	1.77E+00	4.95E+00 U
WG	W-5	485875002	7/25/2019	Ba-140	9.42E+00	5.73E+00	1.99E+01 U
WG	W-5	485875002	7/25/2019	Be-7	8.77E-01	1.07E+01	3.56E+01 U
WG	W-5	485875002	7/25/2019	Ce-141	9.80E-01	1.89E+00	6.25E+00 U
WG	W-5	485875002	7/25/2019	Ce-144	-5.22E+00	7.96E+00	2.48E+01 U
WG	W-5	485875002	7/25/2019	Co-57	1.01E+00	1.09E+00	3.64E+00 U
WG	W-5	485875002	7/25/2019	Co-58	-3.12E-02	1.14E+00	3.18E+00 U
WG	W-5	485875002	7/25/2019	Co-60	-3.47E-01	1.34E+00	4.20E+00 U
WG	W-5	485875002	7/25/2019	Cr-51	-1.97E+00	1.07E+01	3.60E+01 U
WG	W-5	485875002	7/25/2019	Cs-134	-9.81E-01	1.43E+00	4.11E+00 U
WG	W-5	485875002	7/25/2019	Cs-137	7.73E-01	1.29E+00	4.00E+00 U
WG	W-5	485875002	7/25/2019	Fe-59	-1.92E+00	2.16E+00	5.75E+00 U
WG	W-5	485875002	7/25/2019	H-3	3.65E+02	4.43E+02	1.40E+03 U
WG	W-5	485875002	7/25/2019	I-131	-1.76E+00	1.61E+00	4.80E+00 U
WG	W-5	485875002	7/25/2019	K-40	-2.43E+01	1.76E+01	5.27E+01 U
WG	W-5	485875002	7/25/2019	La-140	-7.19E-01	1.59E+00	4.59E+00 U
WG	W-5	485875002	7/25/2019	Mn-54	1.84E+00	1.32E+00	4.75E+00 U
WG	W-5	485875002	7/25/2019	Nb-95	1.28E-01	1.50E+00	4.76E+00 U
WG	W-5	485875002	7/25/2019	Ru-103	4.59E-02	1.35E+00	3.67E+00 U
WG	W-5	485875002	7/25/2019	Ru-106	-2.12E+01	1.39E+01	3.63E+01 U
WG	W-5	485875002	7/25/2019	Sb-124	-4.67E-01	3.84E+00	1.28E+01 U
WG	W-5	485875002	7/25/2019	Sb-125	1.01E+00	3.53E+00	1.09E+01 U
WG	W-5	485875002	7/25/2019	Se-75	-3.80E-01	1.59E+00	4.85E+00 U
WG	W-5	485875002	7/25/2019	Th-228	1.33E+00	3.69E+00	8.62E+00 U
WG	W-5	485875002	7/25/2019	Zn-65	7.59E-04	2.77E+00	8.08E+00 U
WG	W-5	485875002	7/25/2019	Zr-95	-4.92E-01	2.30E+00	7.17E+00 U
WG	W-6	485875003	7/25/2019	Ac-228	-1.39E-01	6.15E+00	2.06E+01 U
WG	W-6	485875003	7/25/2019	Ag-108m	1.80E-01	1.15E+00	3.75E+00 U
WG	W-6	485875003	7/25/2019	Ag-110m	-1.21E-01	1.83E+00	6.11E+00 U
WG	W-6	485875003	7/25/2019	Ba-140	-2.62E+00	6.48E+00	2.01E+01 U
WG	W-6	485875003	7/25/2019	Be-7	8.51E-01	1.00E+01	3.25E+01 U
WG	W-6	485875003	7/25/2019	Ce-141	-7.53E-01	2.32E+00	7.68E+00 U
WG	W-6	485875003	7/25/2019	Ce-144	-1.41E+01	9.28E+00	2.74E+01 U
WG	W-6	485875003	7/25/2019	Co-57	-7.35E-02	1.17E+00	3.93E+00 U
WG	W-6	485875003	7/25/2019	Co-58	-1.27E+00	1.41E+00	4.34E+00 U
WG	W-6	485875003	7/25/2019	Co-60	1.14E+00	1.48E+00	5.19E+00 U
WG	W-6	485875003	7/25/2019	Cr-51	2.24E+01	1.32E+01	4.35E+01 U
WG	W-6	485875003	7/25/2019	Cs-134	1.09E+00	1.75E+00	5.51E+00 U
WG	W-6	485875003	7/25/2019	Cs-137	-1.46E+00	1.66E+00	4.77E+00 U
WG	W-6	485875003	7/25/2019	Fe-59	-2.31E+00	3.44E+00	9.09E+00 U
WG	W-6	485875003	7/25/2019	H-3	-1.60E+02	4.13E+02	1.38E+03 U
WG	W-6	485875003	7/25/2019	I-131	1.16E+00	2.08E+00	6.94E+00 U
WG	W-6	485875003	7/25/2019	K-40	-1.16E+01	1.99E+01	6.22E+01 U
WG	W-6	485875003	7/25/2019	La-140	2.80E+00	2.23E+00	7.43E+00 U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-6	485875003	7/25/2019	Mn-54	1.85E+00	1.08E+00	3.74E+00 U
WG	W-6	485875003	7/25/2019	Nb-95	3.33E+00	1.64E+00	5.61E+00 U
WG	W-6	485875003	7/25/2019	Ru-103	-4.17E-01	1.39E+00	4.36E+00 U
WG	W-6	485875003	7/25/2019	Ru-106	-3.16E+01	1.43E+01	2.89E+01 U
WG	W-6	485875003	7/25/2019	Sb-124	2.78E+00	2.38E+00	9.00E+00 U
WG	W-6	485875003	7/25/2019	Sb-125	1.13E+00	3.36E+00	1.11E+01 U
WG	W-6	485875003	7/25/2019	Se-75	1.36E+00	1.66E+00	5.60E+00 U
WG	W-6	485875003	7/25/2019	Th-228	1.19E+01	5.00E+00	8.41E+00 UI
WG	W-6	485875003	7/25/2019	Zn-65	-2.06E-01	2.88E+00	8.31E+00 U
WG	W-6	485875003	7/25/2019	Zr-95	1.35E+00	2.31E+00	8.11E+00 U
WG	W-7	492805003	10/8/2019	Ac-228	1.11E+00	4.79E+00	1.58E+01 U
WG	W-7	492805003	10/8/2019	Ag-108m	7.36E-02	9.82E-01	3.33E+00 U
WG	W-7	492805003	10/8/2019	Ag-110m	-1.43E-02	1.61E+00	4.71E+00 U
WG	W-7	492805003	10/8/2019	Ba-140	1.41E+00	5.12E+00	1.74E+01 U
WG	W-7	492805003	10/8/2019	Be-7	-8.15E+00	8.83E+00	2.72E+01 U
WG	W-7	492805003	10/8/2019	Ce-141	-7.86E-01	2.06E+00	6.47E+00 U
WG	W-7	492805003	10/8/2019	Ce-144	-5.33E+00	8.03E+00	2.48E+01 U
WG	W-7	492805003	10/8/2019	Co-57	-1.61E+00	1.15E+00	3.17E+00 U
WG	W-7	492805003	10/8/2019	Co-58	-4.37E-01	1.06E+00	3.33E+00 U
WG	W-7	492805003	10/8/2019	Co-60	-9.38E-02	7.80E-01	2.60E+00 U
WG	W-7	492805003	10/8/2019	Cr-51	-6.44E+00	1.06E+01	3.49E+01 U
WG	W-7	492805003	10/8/2019	Cs-134	-1.18E+00	1.38E+00	3.86E+00 U
WG	W-7	492805003	10/8/2019	Cs-137	1.56E+00	1.08E+00	3.53E+00 U
WG	W-7	492805003	10/8/2019	Fe-59	-8.60E-01	2.33E+00	6.20E+00 U
WG	W-7	492805003	10/8/2019	H-3	7.39E+02	3.79E+02	1.11E+03 U
WG	W-7	492805003	10/8/2019	I-131	-2.14E-01	2.00E+00	6.77E+00 U
WG	W-7	492805003	10/8/2019	K-40	-3.45E+01	1.53E+01	3.83E+01 U
WG	W-7	492805003	10/8/2019	La-140	-1.24E+00	1.71E+00	5.12E+00 U
WG	W-7	492805003	10/8/2019	Mn-54	6.84E-01	9.72E-01	3.33E+00 U
WG	W-7	492805003	10/8/2019	Nb-95	1.13E+00	1.16E+00	3.68E+00 U
WG	W-7	492805003	10/8/2019	Ru-103	1.23E+00	1.03E+00	3.59E+00 U
WG	W-7	492805003	10/8/2019	Ru-106	-1.87E+01	9.89E+00	2.41E+01 U
WG	W-7	492805003	10/8/2019	Sb-124	-6.69E-01	2.29E+00	7.33E+00 U
WG	W-7	492805003	10/8/2019	Sb-125	1.70E+00	2.72E+00	9.46E+00 U
WG	W-7	492805003	10/8/2019	Se-75	7.37E-02	1.59E+00	4.99E+00 U
WG	W-7	492805003	10/8/2019	Th-228	3.95E+00	4.38E+00	8.16E+00 U
WG	W-7	492805003	10/8/2019	Zn-65	1.19E+00	2.03E+00	6.31E+00 U
WG	W-7	492805003	10/8/2019	Zr-95	-1.85E+00	1.72E+00	4.83E+00 U
WG	W-13	492805009	10/8/2019	Ac-228	2.22E+01	9.23E+00	2.20E+01 UI
WG	W-13	492805009	10/8/2019	Ag-108m	8.62E-02	1.12E+00	3.66E+00 U
WG	W-13	492805009	10/8/2019	Ag-110m	-2.25E+00	1.71E+00	4.57E+00 U
WG	W-13	492805009	10/8/2019	Ba-140	-1.61E+00	6.21E+00	1.94E+01 U
WG	W-13	492805009	10/8/2019	Be-7	1.05E+01	1.10E+01	3.72E+01 U
WG	W-13	492805009	10/8/2019	Ce-141	4.93E-01	2.38E+00	7.51E+00 U
WG	W-13	492805009	10/8/2019	Ce-144	-8.00E+00	8.98E+00	2.62E+01 U
WG	W-13	492805009	10/8/2019	Co-57	1.06E-01	1.06E+00	3.35E+00 U
WG	W-13	492805009	10/8/2019	Co-58	-1.55E+00	1.23E+00	3.40E+00 U
WG	W-13	492805009	10/8/2019	Co-60	7.67E-01	1.37E+00	4.67E+00 U
WG	W-13	492805009	10/8/2019	Cr-51	-3.06E+00	1.26E+01	4.10E+01 U
WG	W-13	492805009	10/8/2019	Cs-134	-1.59E-01	1.32E+00	4.35E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-13	492805009	10/8/2019	Cs-137	-1.15E-01	1.23E+00	4.14E+00 U
WG	W-13	492805009	10/8/2019	Fe-59	2.54E+00	2.68E+00	9.39E+00 U
WG	W-13	492805009	10/8/2019	H-3	1.27E+02	1.41E+02	4.44E+02 U
WG	W-13	492805009	10/8/2019	I-131	1.69E+00	2.57E+00	8.66E+00 U
WG	W-13	492805009	10/8/2019	K-40	-1.77E+01	1.62E+01	5.45E+01 U
WG	W-13	492805009	10/8/2019	La-140	-3.09E+00	1.94E+00	4.11E+00 U
WG	W-13	492805009	10/8/2019	Mn-54	2.03E-01	9.62E-01	3.28E+00 U
WG	W-13	492805009	10/8/2019	Nb-95	-3.84E-01	1.29E+00	4.15E+00 U
WG	W-13	492805009	10/8/2019	Ru-103	-4.78E-01	1.32E+00	4.11E+00 U
WG	W-13	492805009	10/8/2019	Ru-106	8.66E+00	1.06E+01	3.75E+01 U
WG	W-13	492805009	10/8/2019	Sb-124	2.59E+00	3.64E+00	1.29E+01 U
WG	W-13	492805009	10/8/2019	Sb-125	7.58E+00	4.90E+00	1.23E+01 U
WG	W-13	492805009	10/8/2019	Se-75	-1.60E+00	1.63E+00	5.00E+00 U
WG	W-13	492805009	10/8/2019	Th-228	1.28E-01	4.55E+00	7.86E+00 U
WG	W-13	492805009	10/8/2019	Zn-65	3.36E-01	3.10E+00	1.02E+01 U
WG	W-13	492805009	10/8/2019	Zr-95	7.91E-01	1.67E+00	5.86E+00 U
WG	W-14	492805010	10/8/2019	Ac-228	-1.19E+00	7.19E+00	2.28E+01 U
WG	W-14	492805010	10/8/2019	Ag-108m	2.31E-01	1.09E+00	3.70E+00 U
WG	W-14	492805010	10/8/2019	Ag-110m	-6.38E-01	1.98E+00	6.08E+00 U
WG	W-14	492805010	10/8/2019	Ba-140	-3.49E+00	6.69E+00	2.10E+01 U
WG	W-14	492805010	10/8/2019	Be-7	-2.41E+01	1.30E+01	3.26E+01 U
WG	W-14	492805010	10/8/2019	Ce-141	-4.30E+00	3.18E+00	7.79E+00 U
WG	W-14	492805010	10/8/2019	Ce-144	-1.67E+01	1.11E+01	3.08E+01 U
WG	W-14	492805010	10/8/2019	Co-57	-3.86E-01	1.33E+00	3.86E+00 U
WG	W-14	492805010	10/8/2019	Co-58	1.29E+00	1.27E+00	4.44E+00 U
WG	W-14	492805010	10/8/2019	Co-60	-1.98E-01	1.48E+00	4.84E+00 U
WG	W-14	492805010	10/8/2019	Cr-51	-3.73E+00	1.26E+01	4.18E+01 U
WG	W-14	492805010	10/8/2019	Cs-134	1.81E+00	1.57E+00	5.43E+00 U
WG	W-14	492805010	10/8/2019	Cs-137	-9.51E-01	1.35E+00	4.02E+00 U
WG	W-14	492805010	10/8/2019	Fe-59	-2.91E+00	2.69E+00	7.60E+00 U
WG	W-14	492805010	10/8/2019	H-3	2.67E+02	1.55E+02	4.62E+02 U
WG	W-14	492805010	10/8/2019	I-131	3.70E+00	2.76E+00	9.51E+00 U
WG	W-14	492805010	10/8/2019	K-40	-6.06E+01	2.80E+01	7.63E+01 U
WG	W-14	492805010	10/8/2019	La-140	2.71E-01	1.73E+00	5.84E+00 U
WG	W-14	492805010	10/8/2019	Mn-54	-1.53E+00	1.47E+00	3.33E+00 U
WG	W-14	492805010	10/8/2019	Nb-95	4.91E+00	2.02E+00	4.06E+00 UI
WG	W-14	492805010	10/8/2019	Ru-103	-2.27E+00	1.64E+00	4.59E+00 U
WG	W-14	492805010	10/8/2019	Ru-106	-2.65E+00	1.21E+01	3.89E+01 U
WG	W-14	492805010	10/8/2019	Sb-124	-4.28E+00	2.78E+00	4.82E+00 U
WG	W-14	492805010	10/8/2019	Sb-125	-2.63E+00	3.54E+00	1.10E+01 U
WG	W-14	492805010	10/8/2019	Se-75	-8.75E-01	1.84E+00	6.11E+00 U
WG	W-14	492805010	10/8/2019	Th-228	2.83E+00	3.93E+00	7.92E+00 U
WG	W-14	492805010	10/8/2019	Zn-65	-5.74E+00	3.22E+00	7.62E+00 U
WG	W-14	492805010	10/8/2019	Zr-95	-1.07E+00	2.35E+00	7.16E+00 U
WG	MW-20	492805012	10/8/2019	Ac-228	1.42E+01	6.91E+00	1.84E+01 U
WG	MW-20	492805012	10/8/2019	Ag-108m	-6.75E-02	9.21E-01	3.04E+00 U
WG	MW-20	492805012	10/8/2019	Ag-110m	1.11E+00	1.54E+00	5.45E+00 U
WG	MW-20	492805012	10/8/2019	Ba-140	1.24E+01	7.56E+00	2.09E+01 U
WG	MW-20	492805012	10/8/2019	Be-7	5.39E+00	9.21E+00	3.14E+01 U
WG	MW-20	492805012	10/8/2019	Ce-141	-2.64E+00	2.45E+00	6.88E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	MW-20	492805012	10/8/2019	Ce-144	-2.79E+00	7.44E+00	2.33E+01 U
WG	MW-20	492805012	10/8/2019	Co-57	2.09E-01	1.04E+00	3.39E+00 U
WG	MW-20	492805012	10/8/2019	Co-58	-1.22E+00	1.42E+00	3.94E+00 U
WG	MW-20	492805012	10/8/2019	Co-60	6.15E-01	1.15E+00	3.97E+00 U
WG	MW-20	492805012	10/8/2019	Cr-51	4.27E+00	1.04E+01	3.56E+01 U
WG	MW-20	492805012	10/8/2019	Cs-134	-4.15E-01	1.06E+00	3.15E+00 U
WG	MW-20	492805012	10/8/2019	Cs-137	5.20E-01	1.36E+00	4.49E+00 U
WG	MW-20	492805012	10/8/2019	Fe-59	-2.04E-01	1.81E+00	5.89E+00 U
WG	MW-20	492805012	10/8/2019	H-3	1.05E+02	1.43E+02	4.54E+02 U
WG	MW-20	492805012	10/8/2019	I-131	-2.83E+00	1.96E+00	5.56E+00 U
WG	MW-20	492805012	10/8/2019	K-40	-4.27E+00	1.61E+01	5.54E+01 U
WG	MW-20	492805012	10/8/2019	La-140	-8.78E-01	2.03E+00	6.33E+00 U
WG	MW-20	492805012	10/8/2019	Mn-54	-2.18E+00	1.29E+00	3.39E+00 U
WG	MW-20	492805012	10/8/2019	Nb-95	2.10E+00	1.31E+00	4.45E+00 U
WG	MW-20	492805012	10/8/2019	Ru-103	3.24E-01	1.30E+00	4.32E+00 U
WG	MW-20	492805012	10/8/2019	Ru-106	-3.97E+00	1.02E+01	3.17E+01 U
WG	MW-20	492805012	10/8/2019	Sb-124	2.99E-01	2.13E+00	7.35E+00 U
WG	MW-20	492805012	10/8/2019	Sb-125	-4.71E+00	3.23E+00	8.95E+00 U
WG	MW-20	492805012	10/8/2019	Se-75	1.47E-01	1.46E+00	5.00E+00 U
WG	MW-20	492805012	10/8/2019	Th-228	1.26E+01	6.27E+00	8.80E+00 UI
WG	MW-20	492805012	10/8/2019	Zn-65	1.55E+00	2.51E+00	7.91E+00 U
WG	MW-20	492805012	10/8/2019	Zr-95	4.01E-01	2.06E+00	6.67E+00 U
WG	W-2	492805001	10/9/2019	Ac-228	1.87E-01	5.19E+00	1.70E+01 U
WG	W-2	492805001	10/9/2019	Ag-108m	9.96E-01	1.04E+00	3.51E+00 U
WG	W-2	492805001	10/9/2019	Ag-110m	2.39E+00	1.57E+00	5.47E+00 U
WG	W-2	492805001	10/9/2019	Ba-140	-3.03E+00	5.07E+00	1.55E+01 U
WG	W-2	492805001	10/9/2019	Be-7	1.38E+01	1.04E+01	3.48E+01 U
WG	W-2	492805001	10/9/2019	Ce-141	-3.91E+00	2.42E+00	6.06E+00 U
WG	W-2	492805001	10/9/2019	Ce-144	2.63E+00	7.40E+00	2.24E+01 U
WG	W-2	492805001	10/9/2019	Co-57	1.11E-01	9.25E-01	3.01E+00 U
WG	W-2	492805001	10/9/2019	Co-58	-4.05E-01	1.01E+00	3.26E+00 U
WG	W-2	492805001	10/9/2019	Co-60	-9.88E-01	1.35E+00	3.70E+00 U
WG	W-2	492805001	10/9/2019	Cr-51	2.72E+00	9.99E+00	3.40E+01 U
WG	W-2	492805001	10/9/2019	Cs-134	4.22E-02	1.18E+00	3.98E+00 U
WG	W-2	492805001	10/9/2019	Cs-137	-1.92E-01	1.26E+00	3.94E+00 U
WG	W-2	492805001	10/9/2019	Fe-59	4.71E+00	2.29E+00	7.63E+00 U
WG	W-2	492805001	10/9/2019	H-3	1.85E+02	1.49E+02	4.57E+02 U
WG	W-2	492805001	10/9/2019	I-131	2.05E+00	1.74E+00	5.95E+00 U
WG	W-2	492805001	10/9/2019	K-40	-6.12E-01	1.70E+01	6.25E+01 U
WG	W-2	492805001	10/9/2019	La-140	1.32E+00	1.62E+00	5.81E+00 U
WG	W-2	492805001	10/9/2019	Mn-54	-1.16E+00	1.08E+00	3.20E+00 U
WG	W-2	492805001	10/9/2019	Nb-95	-1.57E-01	1.02E+00	3.39E+00 U
WG	W-2	492805001	10/9/2019	Ru-103	7.67E+00	2.14E+00	2.67E+00 UI
WG	W-2	492805001	10/9/2019	Ru-106	3.12E-01	8.98E+00	2.88E+01 U
WG	W-2	492805001	10/9/2019	Sb-124	1.87E+00	2.75E+00	9.68E+00 U
WG	W-2	492805001	10/9/2019	Sb-125	9.24E-01	3.02E+00	1.01E+01 U
WG	W-2	492805001	10/9/2019	Se-75	-8.39E-01	1.31E+00	4.28E+00 U
WG	W-2	492805001	10/9/2019	Th-228	5.00E+00	3.17E+00	6.06E+00 U
WG	W-2	492805001	10/9/2019	Zn-65	9.83E-01	2.43E+00	7.30E+00 U
WG	W-2	492805001	10/9/2019	Zr-95	-1.97E+00	1.93E+00	5.83E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-3	492805002	10/9/2019	Ac-228	-3.51E+00	4.41E+00	1.20E+01 U
WG	W-3	492805002	10/9/2019	Ag-108m	6.32E-01	8.88E-01	3.08E+00 U
WG	W-3	492805002	10/9/2019	Ag-110m	2.62E+00	1.53E+00	5.30E+00 U
WG	W-3	492805002	10/9/2019	Ba-140	-7.70E-01	4.80E+00	1.59E+01 U
WG	W-3	492805002	10/9/2019	Be-7	-2.31E-02	8.21E+00	2.74E+01 U
WG	W-3	492805002	10/9/2019	Ce-141	-8.24E-01	1.96E+00	6.21E+00 U
WG	W-3	492805002	10/9/2019	Ce-144	-3.62E+00	7.12E+00	2.24E+01 U
WG	W-3	492805002	10/9/2019	Co-57	-2.39E-01	1.00E+00	2.98E+00 U
WG	W-3	492805002	10/9/2019	Co-58	1.32E+00	9.77E-01	3.43E+00 U
WG	W-3	492805002	10/9/2019	Co-60	-3.86E-01	1.02E+00	3.18E+00 U
WG	W-3	492805002	10/9/2019	Cr-51	3.05E+00	9.27E+00	3.22E+01 U
WG	W-3	492805002	10/9/2019	Cs-134	-9.68E-02	1.03E+00	3.10E+00 U
WG	W-3	492805002	10/9/2019	Cs-137	-1.54E+00	1.21E+00	3.34E+00 U
WG	W-3	492805002	10/9/2019	Fe-59	-5.92E-01	2.48E+00	8.17E+00 U
WG	W-3	492805002	10/9/2019	H-3	9.99E+01	1.39E+02	4.40E+02 U
WG	W-3	492805002	10/9/2019	I-131	7.75E-01	1.67E+00	5.80E+00 U
WG	W-3	492805002	10/9/2019	K-40	-1.76E-01	1.64E+01	5.71E+01 U
WG	W-3	492805002	10/9/2019	La-140	-2.65E+00	1.88E+00	3.13E+00 U
WG	W-3	492805002	10/9/2019	Mn-54	-2.01E+00	1.05E+00	2.15E+00 U
WG	W-3	492805002	10/9/2019	Nb-95	-6.78E-01	1.14E+00	3.43E+00 U
WG	W-3	492805002	10/9/2019	Ru-103	-2.61E-01	1.07E+00	3.50E+00 U
WG	W-3	492805002	10/9/2019	Ru-106	1.65E+01	1.07E+01	3.67E+01 U
WG	W-3	492805002	10/9/2019	Sb-124	4.66E+00	3.32E+00	1.18E+01 U
WG	W-3	492805002	10/9/2019	Sb-125	4.32E+00	3.04E+00	1.05E+01 U
WG	W-3	492805002	10/9/2019	Se-75	3.68E-02	1.34E+00	4.18E+00 U
WG	W-3	492805002	10/9/2019	Th-228	-3.15E-01	2.49E+00	8.03E+00 U
WG	W-3	492805002	10/9/2019	Zn-65	-1.21E+00	2.15E+00	6.73E+00 U
WG	W-3	492805002	10/9/2019	Zr-95	1.43E-01	1.83E+00	5.96E+00 U
WG	W-8	492805004	10/9/2019	Ac-228	-4.88E+00	4.52E+00	1.33E+01 U
WG	W-8	492805004	10/9/2019	Ag-108m	4.51E-01	1.10E+00	3.78E+00 U
WG	W-8	492805004	10/9/2019	Ag-110m	1.75E+00	1.56E+00	5.41E+00 U
WG	W-8	492805004	10/9/2019	Ba-140	1.29E+01	5.27E+00	1.75E+01 U
WG	W-8	492805004	10/9/2019	Be-7	-5.26E+00	9.38E+00	2.98E+01 U
WG	W-8	492805004	10/9/2019	Ce-141	2.46E+00	3.12E+00	5.80E+00 U
WG	W-8	492805004	10/9/2019	Ce-144	5.01E+00	7.85E+00	2.59E+01 U
WG	W-8	492805004	10/9/2019	Co-57	9.61E-01	1.07E+00	3.53E+00 U
WG	W-8	492805004	10/9/2019	Co-58	-8.71E-01	1.32E+00	3.94E+00 U
WG	W-8	492805004	10/9/2019	Co-60	2.28E+00	1.42E+00	5.15E+00 U
WG	W-8	492805004	10/9/2019	Cr-51	-1.54E+01	1.13E+01	3.25E+01 U
WG	W-8	492805004	10/9/2019	Cs-134	-2.14E-01	1.09E+00	3.42E+00 U
WG	W-8	492805004	10/9/2019	Cs-137	-4.19E-01	1.24E+00	3.95E+00 U
WG	W-8	492805004	10/9/2019	Fe-59	1.92E+00	1.95E+00	6.69E+00 U
WG	W-8	492805004	10/9/2019	H-3	-2.78E+01	1.38E+02	4.57E+02 U
WG	W-8	492805004	10/9/2019	I-131	3.16E+00	1.84E+00	6.37E+00 U
WG	W-8	492805004	10/9/2019	K-40	-3.31E+01	1.61E+01	4.59E+01 U
WG	W-8	492805004	10/9/2019	La-140	9.99E-01	1.75E+00	6.16E+00 U
WG	W-8	492805004	10/9/2019	Mn-54	-7.63E-02	1.15E+00	3.25E+00 U
WG	W-8	492805004	10/9/2019	Nb-95	-1.46E+00	1.32E+00	3.38E+00 U
WG	W-8	492805004	10/9/2019	Ru-103	-1.28E+00	1.22E+00	3.64E+00 U
WG	W-8	492805004	10/9/2019	Ru-106	5.32E-01	9.62E+00	3.18E+01 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-8	492805004	10/9/2019	Sb-124	-2.38E+00	2.75E+00	7.57E+00 U
WG	W-8	492805004	10/9/2019	Sb-125	2.24E+00	3.03E+00	1.02E+01 U
WG	W-8	492805004	10/9/2019	Se-75	8.90E-01	1.63E+00	5.23E+00 U
WG	W-8	492805004	10/9/2019	Th-228	-1.26E+00	2.84E+00	9.18E+00 U
WG	W-8	492805004	10/9/2019	Zn-65	1.41E+00	2.17E+00	7.13E+00 U
WG	W-8	492805004	10/9/2019	Zr-95	-1.34E+00	2.20E+00	6.66E+00 U
WG	W-10	492805006	10/9/2019	Ac-228	2.38E+00	5.07E+00	1.77E+01 U
WG	W-10	492805006	10/9/2019	Ag-108m	9.91E-01	1.09E+00	3.76E+00 U
WG	W-10	492805006	10/9/2019	Ag-110m	8.29E-01	1.49E+00	5.28E+00 U
WG	W-10	492805006	10/9/2019	Ba-140	7.43E-01	7.02E+00	2.29E+01 U
WG	W-10	492805006	10/9/2019	Be-7	8.82E-01	1.15E+01	3.77E+01 U
WG	W-10	492805006	10/9/2019	Ce-141	3.97E+00	4.08E+00	5.44E+00 U
WG	W-10	492805006	10/9/2019	Ce-144	-4.51E+00	7.34E+00	2.23E+01 U
WG	W-10	492805006	10/9/2019	Co-57	-1.27E+00	9.82E-01	2.77E+00 U
WG	W-10	492805006	10/9/2019	Co-58	7.74E-01	1.26E+00	4.47E+00 U
WG	W-10	492805006	10/9/2019	Co-60	-5.83E-01	1.29E+00	3.80E+00 U
WG	W-10	492805006	10/9/2019	Cr-51	-2.00E+01	1.28E+01	3.56E+01 U
WG	W-10	492805006	10/9/2019	Cs-134	9.80E-01	1.44E+00	5.13E+00 U
WG	W-10	492805006	10/9/2019	Cs-137	2.51E+00	1.72E+00	5.86E+00 U
WG	W-10	492805006	10/9/2019	Fe-59	-2.63E+00	3.79E+00	9.58E+00 U
WG	W-10	492805006	10/9/2019	H-3	2.76E+02	1.53E+02	4.54E+02 U
WG	W-10	492805006	10/9/2019	I-131	-5.11E-01	2.01E+00	6.53E+00 U
WG	W-10	492805006	10/9/2019	K-40	-6.72E+00	1.86E+01	6.32E+01 U
WG	W-10	492805006	10/9/2019	La-140	-1.50E-02	2.41E+00	8.08E+00 U
WG	W-10	492805006	10/9/2019	Mn-54	-6.26E-01	1.41E+00	4.49E+00 U
WG	W-10	492805006	10/9/2019	Nb-95	-1.36E+00	1.64E+00	5.03E+00 U
WG	W-10	492805006	10/9/2019	Ru-103	1.88E-02	1.41E+00	4.58E+00 U
WG	W-10	492805006	10/9/2019	Ru-106	4.38E+00	1.32E+01	4.33E+01 U
WG	W-10	492805006	10/9/2019	Sb-124	-1.81E+00	3.38E+00	1.02E+01 U
WG	W-10	492805006	10/9/2019	Sb-125	5.86E+00	3.85E+00	1.32E+01 U
WG	W-10	492805006	10/9/2019	Se-75	-2.04E-01	1.38E+00	4.62E+00 U
WG	W-10	492805006	10/9/2019	Th-228	-6.51E+00	3.16E+00	7.92E+00 U
WG	W-10	492805006	10/9/2019	Zn-65	1.06E+00	3.03E+00	1.03E+01 U
WG	W-10	492805006	10/9/2019	Zr-95	4.35E+00	2.58E+00	9.32E+00 U
WG	W-11	492805007	10/9/2019	Ac-228	5.40E+00	1.10E+01	3.03E+01 U
WG	W-11	492805007	10/9/2019	Ag-108m	-4.80E-01	1.49E+00	4.95E+00 U
WG	W-11	492805007	10/9/2019	Ag-110m	-1.30E+00	2.20E+00	6.38E+00 U
WG	W-11	492805007	10/9/2019	Ba-140	8.19E+00	8.07E+00	2.88E+01 U
WG	W-11	492805007	10/9/2019	Be-7	5.63E+00	1.14E+01	4.02E+01 U
WG	W-11	492805007	10/9/2019	Ce-141	-4.51E+00	3.20E+00	9.31E+00 U
WG	W-11	492805007	10/9/2019	Ce-144	-6.33E+00	1.09E+01	3.49E+01 U
WG	W-11	492805007	10/9/2019	Co-57	8.16E-01	1.41E+00	4.80E+00 U
WG	W-11	492805007	10/9/2019	Co-58	-1.03E+00	1.63E+00	4.75E+00 U
WG	W-11	492805007	10/9/2019	Co-60	7.81E-01	1.97E+00	6.92E+00 U
WG	W-11	492805007	10/9/2019	Cr-51	7.15E+01	2.53E+01	4.51E+01 UI
WG	W-11	492805007	10/9/2019	Cs-134	6.77E-01	2.07E+00	6.96E+00 U
WG	W-11	492805007	10/9/2019	Cs-137	2.12E+00	1.92E+00	6.80E+00 U
WG	W-11	492805007	10/9/2019	Fe-59	-2.75E+00	3.75E+00	1.14E+01 U
WG	W-11	492805007	10/9/2019	H-3	1.69E+02	1.46E+02	4.52E+02 U
WG	W-11	492805007	10/9/2019	I-131	-7.08E-01	2.93E+00	8.90E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-11	492805007	10/9/2019	K-40	-1.81E+01	2.11E+01	7.61E+01 U
WG	W-11	492805007	10/9/2019	La-140	3.05E+00	2.39E+00	9.50E+00 U
WG	W-11	492805007	10/9/2019	Mn-54	-5.17E-01	1.62E+00	5.04E+00 U
WG	W-11	492805007	10/9/2019	Nb-95	-1.77E+00	1.86E+00	5.23E+00 U
WG	W-11	492805007	10/9/2019	Ru-103	-1.39E+00	1.56E+00	4.67E+00 U
WG	W-11	492805007	10/9/2019	Ru-106	-9.97E+00	1.61E+01	4.97E+01 U
WG	W-11	492805007	10/9/2019	Sb-124	-3.40E+00	3.43E+00	7.61E+00 U
WG	W-11	492805007	10/9/2019	Sb-125	-1.21E+01	6.08E+00	1.35E+01 U
WG	W-11	492805007	10/9/2019	Se-75	1.12E+00	2.03E+00	6.71E+00 U
WG	W-11	492805007	10/9/2019	Th-228	-6.80E-01	3.94E+00	1.28E+01 U
WG	W-11	492805007	10/9/2019	Zn-65	4.86E+00	3.17E+00	1.20E+01 U
WG	W-11	492805007	10/9/2019	Zr-95	7.53E-02	2.78E+00	9.10E+00 U
WG	W-12	492805008	10/9/2019	Ac-228	-3.16E+00	6.40E+00	2.01E+01 U
WG	W-12	492805008	10/9/2019	Ag-108m	-2.44E-02	1.33E+00	4.35E+00 U
WG	W-12	492805008	10/9/2019	Ag-110m	3.03E+00	1.67E+00	6.08E+00 U
WG	W-12	492805008	10/9/2019	Ba-140	-1.13E+01	7.28E+00	1.84E+01 U
WG	W-12	492805008	10/9/2019	Be-7	-1.51E+01	1.20E+01	3.28E+01 U
WG	W-12	492805008	10/9/2019	Ce-141	-4.07E+00	2.48E+00	6.43E+00 U
WG	W-12	492805008	10/9/2019	Ce-144	-4.35E+00	8.67E+00	2.67E+01 U
WG	W-12	492805008	10/9/2019	Co-57	-3.63E-01	1.03E+00	3.32E+00 U
WG	W-12	492805008	10/9/2019	Co-58	4.32E-01	1.11E+00	3.81E+00 U
WG	W-12	492805008	10/9/2019	Co-60	2.93E+00	1.46E+00	5.51E+00 U
WG	W-12	492805008	10/9/2019	Cr-51	3.12E+01	1.69E+01	3.45E+01 U
WG	W-12	492805008	10/9/2019	Cs-134	6.06E-01	1.34E+00	4.62E+00 U
WG	W-12	492805008	10/9/2019	Cs-137	-6.38E-01	1.29E+00	4.14E+00 U
WG	W-12	492805008	10/9/2019	Fe-59	3.52E+00	3.07E+00	1.07E+01 U
WG	W-12	492805008	10/9/2019	H-3	2.46E+02	1.57E+02	4.73E+02 U
WG	W-12	492805008	10/9/2019	I-131	-1.22E+00	2.29E+00	6.43E+00 U
WG	W-12	492805008	10/9/2019	K-40	-1.81E+01	2.22E+01	7.13E+01 U
WG	W-12	492805008	10/9/2019	La-140	1.52E+00	1.67E+00	6.24E+00 U
WG	W-12	492805008	10/9/2019	Mn-54	-1.42E+00	1.26E+00	3.49E+00 U
WG	W-12	492805008	10/9/2019	Nb-95	1.06E+00	1.47E+00	5.10E+00 U
WG	W-12	492805008	10/9/2019	Ru-103	-3.70E+00	1.62E+00	3.30E+00 U
WG	W-12	492805008	10/9/2019	Ru-106	5.85E+00	1.18E+01	4.13E+01 U
WG	W-12	492805008	10/9/2019	Sb-124	1.96E+00	2.10E+00	8.15E+00 U
WG	W-12	492805008	10/9/2019	Sb-125	-2.96E+00	3.50E+00	1.02E+01 U
WG	W-12	492805008	10/9/2019	Se-75	4.37E+00	1.93E+00	6.25E+00 U
WG	W-12	492805008	10/9/2019	Th-228	1.29E+00	3.06E+00	1.02E+01 U
WG	W-12	492805008	10/9/2019	Zn-65	-9.39E-01	4.59E+00	1.25E+01 U
WG	W-12	492805008	10/9/2019	Zr-95	2.40E+00	2.41E+00	8.52E+00 U
WG	W-15	492805011	10/9/2019	Ac-228	1.57E+01	7.69E+00	1.81E+01 U
WG	W-15	492805011	10/9/2019	Ag-108m	-9.72E-01	1.04E+00	3.15E+00 U
WG	W-15	492805011	10/9/2019	Ag-110m	1.52E+00	1.55E+00	5.39E+00 U
WG	W-15	492805011	10/9/2019	Ba-140	-4.53E+00	5.61E+00	1.69E+01 U
WG	W-15	492805011	10/9/2019	Be-7	1.34E+00	1.01E+01	3.39E+01 U
WG	W-15	492805011	10/9/2019	Ce-141	-1.31E+00	2.19E+00	6.11E+00 U
WG	W-15	492805011	10/9/2019	Ce-144	4.67E+00	8.68E+00	2.82E+01 U
WG	W-15	492805011	10/9/2019	Co-57	4.64E-02	8.98E-01	2.89E+00 U
WG	W-15	492805011	10/9/2019	Co-58	-1.40E-01	1.21E+00	3.84E+00 U
WG	W-15	492805011	10/9/2019	Co-60	1.15E-01	1.28E+00	4.31E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-15	492805011	10/9/2019	Cr-51	2.97E+00	1.08E+01	3.72E+01 U
WG	W-15	492805011	10/9/2019	Cs-134	-3.18E-01	1.05E+00	3.22E+00 U
WG	W-15	492805011	10/9/2019	Cs-137	-6.02E-01	1.27E+00	3.93E+00 U
WG	W-15	492805011	10/9/2019	Fe-59	-1.41E+00	2.33E+00	7.28E+00 U
WG	W-15	492805011	10/9/2019	H-3	4.14E+02	1.60E+02	4.48E+02 U
WG	W-15	492805011	10/9/2019	I-131	-3.39E-01	1.69E+00	5.61E+00 U
WG	W-15	492805011	10/9/2019	K-40	-2.76E+01	2.33E+01	6.17E+01 U
WG	W-15	492805011	10/9/2019	La-140	-1.10E+00	2.21E+00	6.74E+00 U
WG	W-15	492805011	10/9/2019	Mn-54	5.27E-01	9.22E-01	3.15E+00 U
WG	W-15	492805011	10/9/2019	Nb-95	-1.14E+00	1.13E+00	3.11E+00 U
WG	W-15	492805011	10/9/2019	Ru-103	-9.35E-02	1.25E+00	3.69E+00 U
WG	W-15	492805011	10/9/2019	Ru-106	-1.25E+01	8.60E+00	2.13E+01 U
WG	W-15	492805011	10/9/2019	Sb-124	-1.39E+00	2.87E+00	8.62E+00 U
WG	W-15	492805011	10/9/2019	Sb-125	-1.44E+00	2.66E+00	8.41E+00 U
WG	W-15	492805011	10/9/2019	Se-75	-4.19E-01	1.56E+00	5.27E+00 U
WG	W-15	492805011	10/9/2019	Th-228	7.19E+00	4.28E+00	6.62E+00 UI
WG	W-15	492805011	10/9/2019	Zn-65	-2.10E+00	2.43E+00	5.92E+00 U
WG	W-15	492805011	10/9/2019	Zr-95	-4.55E+00	2.43E+00	5.41E+00 U
WG	MW-21	492805013	10/9/2019	Ac-228	-3.99E+00	5.58E+00	1.62E+01 U
WG	MW-21	492805013	10/9/2019	Ag-108m	-3.14E-01	1.11E+00	3.55E+00 U
WG	MW-21	492805013	10/9/2019	Ag-110m	3.50E-01	1.74E+00	5.72E+00 U
WG	MW-21	492805013	10/9/2019	Ba-140	1.43E+00	6.65E+00	2.21E+01 U
WG	MW-21	492805013	10/9/2019	Bc-7	-2.85E+01	1.37E+01	3.19E+01 U
WG	MW-21	492805013	10/9/2019	Ce-141	-7.34E+00	3.10E+00	7.42E+00 U
WG	MW-21	492805013	10/9/2019	Ce-144	-1.60E+01	1.03E+01	3.06E+01 U
WG	MW-21	492805013	10/9/2019	Co-57	-4.31E-01	1.33E+00	4.44E+00 U
WG	MW-21	492805013	10/9/2019	Co-58	2.03E+00	1.49E+00	5.17E+00 U
WG	MW-21	492805013	10/9/2019	Co-60	1.35E+00	1.42E+00	5.21E+00 U
WG	MW-21	492805013	10/9/2019	Cr-51	6.85E+00	1.24E+01	4.21E+01 U
WG	MW-21	492805013	10/9/2019	Cs-134	-4.09E-01	1.25E+00	3.85E+00 U
WG	MW-21	492805013	10/9/2019	Cs-137	6.64E-01	1.45E+00	4.65E+00 U
WG	MW-21	492805013	10/9/2019	Fe-59	-4.94E+00	3.29E+00	7.73E+00 U
WG	MW-21	492805013	10/9/2019	H-3	2.36E+02	1.50E+02	4.52E+02 U
WG	MW-21	492805013	10/9/2019	I-131	-4.75E-01	2.07E+00	6.74E+00 U
WG	MW-21	492805013	10/9/2019	K-40	-3.95E+01	2.09E+01	5.59E+01 U
WG	MW-21	492805013	10/9/2019	La-140	-2.83E+00	1.94E+00	4.31E+00 U
WG	MW-21	492805013	10/9/2019	Mn-54	-8.15E-01	1.45E+00	4.35E+00 U
WG	MW-21	492805013	10/9/2019	Nb-95	-1.63E+00	1.43E+00	3.91E+00 U
WG	MW-21	492805013	10/9/2019	Ru-103	7.45E-01	1.35E+00	4.57E+00 U
WG	MW-21	492805013	10/9/2019	Ru-106	6.04E+00	1.25E+01	4.22E+01 U
WG	MW-21	492805013	10/9/2019	Sb-124	-6.24E+00	3.95E+00	9.30E+00 U
WG	MW-21	492805013	10/9/2019	Sb-125	-5.41E+00	3.75E+00	1.03E+01 U
WG	MW-21	492805013	10/9/2019	Se-75	-1.97E+00	2.01E+00	6.22E+00 U
WG	MW-21	492805013	10/9/2019	Th-228	2.26E+00	4.72E+00	1.04E+01 U
WG	MW-21	492805013	10/9/2019	Zn-65	-6.66E+00	3.19E+00	5.14E+00 U
WG	MW-21	492805013	10/9/2019	Zr-95	1.45E+00	2.46E+00	8.33E+00 U
WG	SG-1	492805014	10/9/2019	Ac-228	-7.87E+00	6.24E+00	1.66E+01 U
WG	SG-1	492805014	10/9/2019	Ag-108m	-4.96E-01	9.16E-01	2.89E+00 U
WG	SG-1	492805014	10/9/2019	Ag-110m	3.30E+00	2.11E+00	6.06E+00 U
WG	SG-1	492805014	10/9/2019	ALPHA	1.88E+00	1.79E+00	5.61E+00 U
DL							

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-1	492805014	10/9/2019	Ba-140	7.75E+00	6.42E+00	2.23E+01 U
WG	SG-1	492805014	10/9/2019	Be-7	2.07E+01	1.31E+01	4.46E+01 U
WG	SG-1	492805014	10/9/2019	BETA	2.90E+00	9.59E-01	2.84E+00 M
WG	SG-1	492805014	10/9/2019	Ce-141	-2.42E-01	1.91E+00	6.15E+00 U
WG	SG-1	492805014	10/9/2019	Ce-144	5.53E+00	7.99E+00	2.66E+01 U
WG	SG-1	492805014	10/9/2019	Co-57	-6.13E-01	1.06E+00	3.05E+00 U
WG	SG-1	492805014	10/9/2019	Co-58	3.77E-01	1.25E+00	4.11E+00 U
WG	SG-1	492805014	10/9/2019	Co-60	1.00E+00	1.23E+00	4.41E+00 U
WG	SG-1	492805014	10/9/2019	Cr-51	8.23E+00	1.01E+01	3.56E+01 U
WG	SG-1	492805014	10/9/2019	Cs-134	-7.68E-01	1.23E+00	3.54E+00 U
WG	SG-1	492805014	10/9/2019	Cs-137	-9.92E-01	1.27E+00	3.68E+00 U
WG	SG-1	492805014	10/9/2019	Fe-59	-4.00E+00	2.73E+00	6.83E+00 U
WG	SG-1	492805014	10/9/2019	H-3	2.44E+02	1.49E+02	4.47E+02 U
WG	SG-1	492805014	10/9/2019	I-131	1.53E+00	2.02E+00	7.04E+00 U
WG	SG-1	492805014	10/9/2019	K-40	4.42E+00	1.71E+01	6.16E+01 U
WG	SG-1	492805014	10/9/2019	La-140	4.74E+00	2.61E+00	9.53E+00 U
WG	SG-1	492805014	10/9/2019	Mn-54	-1.87E+00	1.32E+00	3.64E+00 U
WG	SG-1	492805014	10/9/2019	Nb-95	-1.86E+00	1.58E+00	3.50E+00 U
WG	SG-1	492805014	10/9/2019	Ru-103	2.56E-01	1.31E+00	3.97E+00 U
WG	SG-1	492805014	10/9/2019	Ru-106	-5.20E+00	1.13E+01	3.48E+01 U
WG	SG-1	492805014	10/9/2019	Sb-124	-1.59E+00	3.36E+00	1.06E+01 U
WG	SG-1	492805014	10/9/2019	Sb-125	-1.81E-01	3.09E+00	1.03E+01 U
WG	SG-1	492805014	10/9/2019	Se-75	2.75E-01	1.73E+00	5.45E+00 U
WG	SG-1	492805014	10/9/2019	Th-228	1.82E+00	3.61E+00	8.72E+00 U
WG	SG-1	492805014	10/9/2019	Zn-65	3.28E+00	3.22E+00	1.05E+01 U
WG	SG-1	492805014	10/9/2019	Zr-95	3.94E+00	2.34E+00	8.20E+00 U
WG	SG-2	492805015	10/9/2019	Ac-228	1.63E+00	5.08E+00	1.78E+01 U
WG	SG-2	492805015	10/9/2019	Ag-108m	1.01E+00	9.51E-01	3.35E+00 U
WG	SG-2	492805015	10/9/2019	Ag-110m	-8.98E-01	1.57E+00	4.71E+00 U
WG	SG-2	492805015	10/9/2019	ALPHA	8.13E-01	1.03E+00	3.26E+00 U
WG	SG-2	492805015	10/9/2019	Ba-140	3.73E+00	6.02E+00	1.89E+01 U
WG	SG-2	492805015	10/9/2019	Be-7	-2.89E+00	8.48E+00	2.79E+01 U
WG	SG-2	492805015	10/9/2019	BETA	2.32E+00	7.26E-01	2.14E+00 M
WG	SG-2	492805015	10/9/2019	Ce-141	-2.84E+00	2.08E+00	6.12E+00 U
WG	SG-2	492805015	10/9/2019	Ce-144	-5.86E+00	6.95E+00	2.18E+01 U
WG	SG-2	492805015	10/9/2019	Co-57	2.39E-01	8.70E-01	2.94E+00 U
WG	SG-2	492805015	10/9/2019	Co-58	2.96E-01	1.09E+00	3.62E+00 U
WG	SG-2	492805015	10/9/2019	Co-60	9.18E-01	1.11E+00	4.01E+00 U
WG	SG-2	492805015	10/9/2019	Cr-51	1.92E+01	1.04E+01	3.39E+01 U
WG	SG-2	492805015	10/9/2019	Cs-134	-1.87E-01	1.12E+00	3.57E+00 U
WG	SG-2	492805015	10/9/2019	Cs-137	-7.27E-01	1.38E+00	4.59E+00 U
WG	SG-2	492805015	10/9/2019	Fe-59	1.07E+00	2.12E+00	7.52E+00 U
WG	SG-2	492805015	10/9/2019	H-3	-7.84E+01	1.33E+02	4.49E+02 U
WG	SG-2	492805015	10/9/2019	I-131	-8.10E-02	1.74E+00	5.38E+00 U
WG	SG-2	492805015	10/9/2019	K-40	3.51E+01	1.81E+01	3.77E+01 U
WG	SG-2	492805015	10/9/2019	La-140	1.71E+00	1.58E+00	5.86E+00 U
WG	SG-2	492805015	10/9/2019	Mn-54	-3.93E-01	9.97E-01	3.08E+00 U
WG	SG-2	492805015	10/9/2019	Nb-95	-6.59E-01	1.31E+00	4.08E+00 U
WG	SG-2	492805015	10/9/2019	Ru-103	2.22E+00	1.08E+00	3.48E+00 U
WG	SG-2	492805015	10/9/2019	Ru-106	-2.80E+00	9.83E+00	2.82E+01 U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-2	492805015	10/9/2019	Sb-124	-4.08E+00	3.18E+00	7.99E+00 U
WG	SG-2	492805015	10/9/2019	Sb-125	-6.13E-01	2.55E+00	8.54E+00 U
WG	SG-2	492805015	10/9/2019	Se-75	-1.77E+00	1.48E+00	4.14E+00 U
WG	SG-2	492805015	10/9/2019	Th-228	3.64E+00	3.69E+00	8.27E+00 U
WG	SG-2	492805015	10/9/2019	Zn-65	-6.26E-01	2.41E+00	6.93E+00 U
WG	SG-2	492805015	10/9/2019	Zr-95	1.08E+00	1.59E+00	5.10E+00 U
WG	SG-4	492805016	10/9/2019	Ac-228	-1.42E+00	4.82E+00	1.55E+01 U
WG	SG-4	492805016	10/9/2019	Ag-108m	-3.92E-01	9.74E-01	3.16E+00 U
WG	SG-4	492805016	10/9/2019	Ag-110m	-7.27E-01	1.73E+00	5.26E+00 U
WG	SG-4	492805016	10/9/2019	ALPHA	1.75E+00	1.38E+00	4.27E+00 UDL
WG	SG-4	492805016	10/9/2019	Ba-140	6.76E+00	5.49E+00	1.92E+01 U
WG	SG-4	492805016	10/9/2019	Be-7	1.57E+01	1.06E+01	3.68E+01 U
WG	SG-4	492805016	10/9/2019	BETA	4.00E+00	8.18E-01	2.17E+00 M
WG	SG-4	492805016	10/9/2019	Ce-141	-2.57E+00	2.27E+00	6.42E+00 U
WG	SG-4	492805016	10/9/2019	Ce-144	2.52E+01	1.31E+01	2.15E+01 UI
WG	SG-4	492805016	10/9/2019	Co-57	-2.92E-02	1.07E+00	3.44E+00 U
WG	SG-4	492805016	10/9/2019	Co-58	-3.99E-01	1.27E+00	3.94E+00 U
WG	SG-4	492805016	10/9/2019	Co-60	1.08E+00	8.97E-01	3.46E+00 U
WG	SG-4	492805016	10/9/2019	Cr-51	-9.39E+00	9.89E+00	3.09E+01 U
WG	SG-4	492805016	10/9/2019	Cs-134	1.42E+00	1.36E+00	4.70E+00 U
WG	SG-4	492805016	10/9/2019	Cs-137	-1.91E+00	1.27E+00	3.26E+00 U
WG	SG-4	492805016	10/9/2019	Fe-59	-1.61E+00	2.07E+00	6.18E+00 U
WG	SG-4	492805016	10/9/2019	H-3	1.48E+02	1.50E+02	4.68E+02 U
WG	SG-4	492805016	10/9/2019	I-131	7.69E-01	1.94E+00	6.69E+00 U
WG	SG-4	492805016	10/9/2019	K-40	3.77E+01	1.98E+01	3.00E+01 UI
WG	SG-4	492805016	10/9/2019	La-140	-1.11E+00	1.95E+00	5.82E+00 U
WG	SG-4	492805016	10/9/2019	Mn-54	-5.26E-01	1.18E+00	3.58E+00 U
WG	SG-4	492805016	10/9/2019	Nb-95	-3.55E-01	1.13E+00	3.54E+00 U
WG	SG-4	492805016	10/9/2019	Ru-103	-8.46E-01	1.18E+00	3.66E+00 U
WG	SG-4	492805016	10/9/2019	Ru-106	3.29E+00	1.05E+01	3.51E+01 U
WG	SG-4	492805016	10/9/2019	Sb-124	-9.73E-01	2.64E+00	8.07E+00 U
WG	SG-4	492805016	10/9/2019	Sb-125	6.67E+00	5.68E+00	1.27E+01 U
WG	SG-4	492805016	10/9/2019	Se-75	-1.04E+00	1.54E+00	5.04E+00 U
WG	SG-4	492805016	10/9/2019	Th-228	6.52E+00	3.82E+00	9.54E+00 U
WG	SG-4	492805016	10/9/2019	Zn-65	-2.20E+00	2.23E+00	6.42E+00 U
WG	SG-4	492805016	10/9/2019	Zr-95	-3.23E+00	2.23E+00	5.61E+00 U
WG	SG-5	492805017	10/9/2019	Ac-228	5.99E-01	4.57E+00	1.61E+01 U
WG	SG-5	492805017	10/9/2019	Ag-108m	-1.61E+00	9.92E-01	2.66E+00 U
WG	SG-5	492805017	10/9/2019	Ag-110m	4.23E-01	1.23E+00	4.28E+00 U
WG	SG-5	492805017	10/9/2019	ALPHA	-6.67E-01	1.29E+00	4.32E+00 UDL
WG	SG-5	492805017	10/9/2019	Ba-140	3.01E-01	5.80E+00	1.89E+01 U
WG	SG-5	492805017	10/9/2019	Be-7	-4.42E+00	9.96E+00	3.16E+01 U
WG	SG-5	492805017	10/9/2019	BETA	1.67E+01	1.79E+00	2.99E+00
WG	SG-5	492805017	10/9/2019	Ce-141	1.68E+00	1.94E+00	6.24E+00 U
WG	SG-5	492805017	10/9/2019	Ce-144	5.19E+00	7.48E+00	2.41E+01 U
WG	SG-5	492805017	10/9/2019	Co-57	-1.94E+00	1.05E+00	2.74E+00 U
WG	SG-5	492805017	10/9/2019	Co-58	9.77E-01	9.92E-01	3.55E+00 U
WG	SG-5	492805017	10/9/2019	Co-60	7.47E-01	1.33E+00	4.50E+00 U
WG	SG-5	492805017	10/9/2019	Cr-51	1.29E+01	1.12E+01	3.83E+01 U
WG	SG-5	492805017	10/9/2019	Cs-134	8.05E-02	1.16E+00	3.79E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	SG-5	492805017	10/9/2019	Cs-137	2.88E-01	1.16E+00	3.80E+00 U
WG	SG-5	492805017	10/9/2019	Fe-59	1.44E+00	2.53E+00	8.72E+00 U
WG	SG-5	492805017	10/9/2019	H-3	-1.65E+00	1.33E+02	4.37E+02 U
WG	SG-5	492805017	10/9/2019	I-131	-3.06E-01	1.68E+00	5.53E+00 U
WG	SG-5	492805017	10/9/2019	K-40	2.68E+01	2.02E+01	3.65E+01 U
WG	SG-5	492805017	10/9/2019	La-140	3.78E-02	1.61E+00	5.20E+00 U
WG	SG-5	492805017	10/9/2019	Mn-54	-2.48E+00	1.07E+00	2.18E+00 U
WG	SG-5	492805017	10/9/2019	Nb-95	6.57E-01	1.16E+00	3.83E+00 U
WG	SG-5	492805017	10/9/2019	Ru-103	-1.52E+00	1.21E+00	3.42E+00 U
WG	SG-5	492805017	10/9/2019	Ru-106	-1.22E-02	9.32E+00	3.00E+01 U
WG	SG-5	492805017	10/9/2019	Sb-124	-1.57E-02	2.07E+00	6.62E+00 U
WG	SG-5	492805017	10/9/2019	Sb-125	-3.21E+00	2.78E+00	8.09E+00 U
WG	SG-5	492805017	10/9/2019	Se-75	-1.44E+00	1.55E+00	4.60E+00 U
WG	SG-5	492805017	10/9/2019	Th-228	-1.25E+00	2.35E+00	7.00E+00 U
WG	SG-5	492805017	10/9/2019	Zn-65	1.26E+00	2.15E+00	6.78E+00 U
WG	SG-5	492805017	10/9/2019	Zr-95	1.36E+00	2.24E+00	7.40E+00 U
WG	W-9	492805005	10/10/2019	Ac-228	-2.82E+00	6.46E+00	2.09E+01 U
WG	W-9	492805005	10/10/2019	Ag-108m	6.74E-01	1.55E+00	5.06E+00 U
WG	W-9	492805005	10/10/2019	Ag-110m	2.66E+00	2.13E+00	7.48E+00 U
WG	W-9	492805005	10/10/2019	Ba-140	3.63E+00	7.21E+00	2.36E+01 U
WG	W-9	492805005	10/10/2019	Be-7	2.86E+01	3.69E+01	4.55E+01 U
WG	W-9	492805005	10/10/2019	Ce-141	-5.15E-02	2.78E+00	9.34E+00 U
WG	W-9	492805005	10/10/2019	Ce-144	3.69E+00	1.12E+01	3.81E+01 U
WG	W-9	492805005	10/10/2019	Co-57	7.71E-01	1.56E+00	5.33E+00 U
WG	W-9	492805005	10/10/2019	Co-58	-1.93E+00	1.46E+00	3.98E+00 U
WG	W-9	492805005	10/10/2019	Co-60	4.42E+00	2.47E+00	6.53E+00 U
WG	W-9	492805005	10/10/2019	Cr-51	1.79E+01	1.52E+01	5.04E+01 U
WG	W-9	492805005	10/10/2019	Cs-134	-5.29E-01	1.56E+00	5.03E+00 U
WG	W-9	492805005	10/10/2019	Cs-137	1.06E+00	1.42E+00	4.99E+00 U
WG	W-9	492805005	10/10/2019	Fe-59	3.60E+00	2.77E+00	9.90E+00 U
WG	W-9	492805005	10/10/2019	H-3	2.85E+02	1.52E+02	4.50E+02 U
WG	W-9	492805005	10/10/2019	I-131	-4.72E-01	2.47E+00	7.88E+00 U
WG	W-9	492805005	10/10/2019	K-40	7.42E+01	2.55E+01	4.79E+01 U
WG	W-9	492805005	10/10/2019	La-140	-5.06E-01	2.53E+00	8.30E+00 U
WG	W-9	492805005	10/10/2019	Mn-54	-8.11E-01	1.48E+00	4.62E+00 U
WG	W-9	492805005	10/10/2019	Nb-95	-5.07E+00	1.98E+00	3.81E+00 U
WG	W-9	492805005	10/10/2019	Ru-103	-1.27E+00	1.62E+00	4.76E+00 U
WG	W-9	492805005	10/10/2019	Ru-106	-1.78E+01	1.37E+01	3.94E+01 U
WG	W-9	492805005	10/10/2019	Sb-124	-6.61E+00	4.08E+00	9.58E+00 U
WG	W-9	492805005	10/10/2019	Sb-125	5.75E-02	4.31E+00	1.38E+01 U
WG	W-9	492805005	10/10/2019	Se-75	-1.25E+00	2.23E+00	7.06E+00 U
WG	W-9	492805005	10/10/2019	Th-228	8.39E+00	6.12E+00	1.72E+01 U
WG	W-9	492805005	10/10/2019	Zn-65	5.75E+00	3.86E+00	1.25E+01 U
WG	W-9	492805005	10/10/2019	Zr-95	-2.40E-01	2.78E+00	9.23E+00 U
WG	W-1	495552001	11/4/2019	Ac-228	5.03E+00	6.71E+00	2.34E+01 U
WG	W-1	495552001	11/4/2019	Ag-108m	5.49E-01	1.15E+00	3.89E+00 U
WG	W-1	495552001	11/4/2019	Ag-110m	8.53E+00	3.36E+00	7.86E+00 UI
WG	W-1	495552001	11/4/2019	Ba-140	9.55E+00	7.71E+00	2.63E+01 U
WG	W-1	495552001	11/4/2019	Be-7	3.82E+00	1.24E+01	4.14E+01 U
WG	W-1	495552001	11/4/2019	Ce-141	-2.88E-01	2.13E+00	6.67E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-1	495552001	11/4/2019	Ce-144	-5.23E+00	8.46E+00	2.58E+01 U
WG	W-1	495552001	11/4/2019	Co-57	8.57E-01	1.01E+00	3.28E+00 U
WG	W-1	495552001	11/4/2019	Co-58	3.23E+00	1.65E+00	5.83E+00 U
WG	W-1	495552001	11/4/2019	Co-60	4.63E+00	2.14E+00	7.53E+00 U
WG	W-1	495552001	11/4/2019	Cr-51	1.50E+00	1.12E+01	3.78E+01 U
WG	W-1	495552001	11/4/2019	Cs-134	-6.81E-01	1.66E+00	5.36E+00 U
WG	W-1	495552001	11/4/2019	Cs-137	1.48E+00	1.63E+00	5.49E+00 U
WG	W-1	495552001	11/4/2019	Fe-59	-6.98E-01	2.87E+00	9.14E+00 U
WG	W-1	495552001	11/4/2019	H-3	2.46E+02	1.72E+02	5.09E+02 U
WG	W-1	495552001	11/4/2019	I-131	4.22E+00	2.46E+00	8.36E+00 U
WG	W-1	495552001	11/4/2019	K-40	8.24E+00	3.07E+01	6.39E+01 U
WG	W-1	495552001	11/4/2019	La-140	2.62E+00	2.75E+00	1.00E+01 U
WG	W-1	495552001	11/4/2019	Mn-54	8.26E-01	1.64E+00	5.69E+00 U
WG	W-1	495552001	11/4/2019	Nb-95	-1.06E+00	1.68E+00	5.35E+00 U
WG	W-1	495552001	11/4/2019	Ru-103	-1.04E+00	1.55E+00	4.70E+00 U
WG	W-1	495552001	11/4/2019	Ru-106	-1.64E+01	1.45E+01	3.85E+01 U
WG	W-1	495552001	11/4/2019	Sb-124	-2.30E+00	3.95E+00	1.20E+01 U
WG	W-1	495552001	11/4/2019	Sb-125	1.04E+00	3.73E+00	1.25E+01 U
WG	W-1	495552001	11/4/2019	Se-75	-2.06E+00	1.56E+00	4.58E+00 U
WG	W-1	495552001	11/4/2019	Th-228	3.18E+00	3.15E+00	1.01E+01 U
WG	W-1	495552001	11/4/2019	Zn-65	5.67E-01	3.03E+00	8.99E+00 U
WG	W-1	495552001	11/4/2019	Zr-95	3.40E-01	2.24E+00	7.67E+00 U
WG	W-4	495552002	11/4/2019	Ac-228	-7.13E+00	5.00E+00	1.54E+01 U
WG	W-4	495552002	11/4/2019	Ag-108m	1.36E+00	9.52E-01	3.35E+00 U
WG	W-4	495552002	11/4/2019	Ag-110m	-1.48E+00	1.54E+00	4.31E+00 U
WG	W-4	495552002	11/4/2019	Ba-140	-5.70E-01	4.62E+00	1.53E+01 U
WG	W-4	495552002	11/4/2019	Be-7	3.80E+00	7.93E+00	2.77E+01 U
WG	W-4	495552002	11/4/2019	Ce-141	3.41E+00	2.25E+00	6.99E+00 U
WG	W-4	495552002	11/4/2019	Ce-144	2.03E+00	7.30E+00	2.46E+01 U
WG	W-4	495552002	11/4/2019	Co-57	5.93E-01	8.75E-01	2.98E+00 U
WG	W-4	495552002	11/4/2019	Co-58	5.32E-01	8.84E-01	3.05E+00 U
WG	W-4	495552002	11/4/2019	Co-60	2.79E+00	1.36E+00	4.94E+00 U
WG	W-4	495552002	11/4/2019	Cr-51	-6.36E+00	1.12E+01	3.37E+01 U
WG	W-4	495552002	11/4/2019	Cs-134	3.00E+00	1.50E+00	5.09E+00 U
WG	W-4	495552002	11/4/2019	Cs-137	4.89E-01	1.77E+00	3.35E+00 U
WG	W-4	495552002	11/4/2019	Fe-59	1.71E-01	2.11E+00	7.21E+00 U
WG	W-4	495552002	11/4/2019	H-3	3.76E+02	1.84E+02	5.18E+02 U
WG	W-4	495552002	11/4/2019	I-131	1.15E-01	2.05E+00	6.42E+00 U
WG	W-4	495552002	11/4/2019	K-40	2.53E-01	1.79E+01	6.43E+01 U
WG	W-4	495552002	11/4/2019	La-140	-9.67E-01	2.04E+00	6.24E+00 U
WG	W-4	495552002	11/4/2019	Mn-54	2.16E-01	1.05E+00	3.48E+00 U
WG	W-4	495552002	11/4/2019	Nb-95	1.36E+00	1.15E+00	3.73E+00 U
WG	W-4	495552002	11/4/2019	Ru-103	1.44E-01	1.17E+00	3.97E+00 U
WG	W-4	495552002	11/4/2019	Ru-106	-4.52E+00	8.79E+00	2.76E+01 U
WG	W-4	495552002	11/4/2019	Sb-124	-3.68E+00	2.57E+00	5.60E+00 U
WG	W-4	495552002	11/4/2019	Sb-125	4.58E-01	2.97E+00	1.02E+01 U
WG	W-4	495552002	11/4/2019	Se-75	-1.73E+00	1.48E+00	4.17E+00 U
WG	W-4	495552002	11/4/2019	Th-228	6.14E+00	3.30E+00	6.42E+00 U
WG	W-4	495552002	11/4/2019	Zn-65	-5.75E-01	2.42E+00	6.98E+00 U
WG	W-4	495552002	11/4/2019	Zr-95	-1.30E+00	1.94E+00	5.82E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-5	495552003	11/4/2019	Ac-228	-4.81E+00	4.48E+00	1.41E+01 U
WG	W-5	495552003	11/4/2019	Ag-108m	-1.58E+00	8.92E-01	2.30E+00 U
WG	W-5	495552003	11/4/2019	Ag-110m	9.20E-01	1.32E+00	4.48E+00 U
WG	W-5	495552003	11/4/2019	Ba-140	-5.40E+00	5.61E+00	1.49E+01 U
WG	W-5	495552003	11/4/2019	Be-7	7.51E-01	8.57E+00	2.88E+01 U
WG	W-5	495552003	11/4/2019	Ce-141	3.27E+00	2.64E+00	5.78E+00 U
WG	W-5	495552003	11/4/2019	Ce-144	4.20E+00	6.56E+00	2.18E+01 U
WG	W-5	495552003	11/4/2019	Co-57	-4.97E-01	9.05E-01	2.86E+00 U
WG	W-5	495552003	11/4/2019	Co-58	3.05E-01	9.74E-01	3.23E+00 U
WG	W-5	495552003	11/4/2019	Co-60	1.61E+00	1.31E+00	4.67E+00 U
WG	W-5	495552003	11/4/2019	Cr-51	1.56E+01	1.14E+01	3.93E+01 U
WG	W-5	495552003	11/4/2019	Cs-134	-1.22E+00	1.12E+00	3.03E+00 U
WG	W-5	495552003	11/4/2019	Cs-137	2.10E+00	1.00E+00	3.00E+00 U
WG	W-5	495552003	11/4/2019	Fe-59	1.83E+00	2.11E+00	7.18E+00 U
WG	W-5	495552003	11/4/2019	H-3	1.28E+02	1.97E+02	6.26E+02 U
WG	W-5	495552003	11/4/2019	I-131	-9.31E-01	1.96E+00	6.43E+00 U
WG	W-5	495552003	11/4/2019	K-40	-8.40E+00	1.54E+01	5.11E+01 U
WG	W-5	495552003	11/4/2019	La-140	-1.55E+00	1.63E+00	4.36E+00 U
WG	W-5	495552003	11/4/2019	Mn-54	1.45E+00	1.14E+00	3.92E+00 U
WG	W-5	495552003	11/4/2019	Nb-95	-1.62E-01	1.15E+00	3.66E+00 U
WG	W-5	495552003	11/4/2019	Ru-103	-2.59E-01	1.00E+00	3.27E+00 U
WG	W-5	495552003	11/4/2019	Ru-106	5.04E+00	8.11E+00	2.78E+01 U
WG	W-5	495552003	11/4/2019	Sb-124	9.15E-01	2.51E+00	8.54E+00 U
WG	W-5	495552003	11/4/2019	Sb-125	-1.79E-01	3.00E+00	9.02E+00 U
WG	W-5	495552003	11/4/2019	Se-75	-3.87E-01	1.42E+00	4.35E+00 U
WG	W-5	495552003	11/4/2019	Th-228	7.80E+00	3.70E+00	9.16E+00 U
WG	W-5	495552003	11/4/2019	Zn-65	1.14E+00	2.48E+00	8.62E+00 U
WG	W-5	495552003	11/4/2019	Zr-95	-1.77E+00	1.80E+00	5.01E+00 U
WG	W-6	495552004	11/4/2019	Ac-228	1.50E+01	6.49E+00	2.13E+01 U
WG	W-6	495552004	11/4/2019	Ag-108m	-1.32E+00	1.42E+00	3.68E+00 U
WG	W-6	495552004	11/4/2019	Ag-110m	5.82E-01	1.91E+00	6.56E+00 U
WG	W-6	495552004	11/4/2019	Ba-140	-2.24E+00	7.77E+00	2.45E+01 U
WG	W-6	495552004	11/4/2019	Be-7	1.84E+01	1.37E+01	4.64E+01 U
WG	W-6	495552004	11/4/2019	Ce-141	1.66E+00	2.37E+00	7.11E+00 U
WG	W-6	495552004	11/4/2019	Ce-144	-1.26E+01	7.81E+00	2.06E+01 U
WG	W-6	495552004	11/4/2019	Co-57	-2.02E-01	9.69E-01	3.06E+00 U
WG	W-6	495552004	11/4/2019	Co-58	-1.21E+00	1.61E+00	4.98E+00 U
WG	W-6	495552004	11/4/2019	Co-60	-2.39E-01	1.02E+00	3.11E+00 U
WG	W-6	495552004	11/4/2019	Cr-51	4.91E+00	1.12E+01	3.83E+01 U
WG	W-6	495552004	11/4/2019	Cs-134	8.07E-01	1.67E+00	5.24E+00 U
WG	W-6	495552004	11/4/2019	Cs-137	1.55E+00	1.69E+00	5.69E+00 U
WG	W-6	495552004	11/4/2019	Fe-59	-3.01E+00	3.56E+00	8.53E+00 U
WG	W-6	495552004	11/4/2019	H-3	-1.01E+02	2.02E+02	6.81E+02 U
WG	W-6	495552004	11/4/2019	I-131	2.45E+00	2.38E+00	8.17E+00 U
WG	W-6	495552004	11/4/2019	K-40	1.15E-01	2.34E+01	7.60E+01 U
WG	W-6	495552004	11/4/2019	La-140	-1.40E+00	2.54E+00	7.82E+00 U
WG	W-6	495552004	11/4/2019	Mn-54	-2.14E+00	1.83E+00	5.36E+00 U
WG	W-6	495552004	11/4/2019	Nb-95	-4.90E-01	1.62E+00	4.64E+00 U
WG	W-6	495552004	11/4/2019	Ru-103	-6.13E-01	1.53E+00	4.19E+00 U
WG	W-6	495552004	11/4/2019	Ru-106	-2.17E+01	1.49E+01	3.68E+01 U

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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WG	W-6	495552004	11/4/2019	Sb-124	3.11E+00	4.18E+00	1.50E+01 U
WG	W-6	495552004	11/4/2019	Sb-125	6.12E-02	4.03E+00	1.32E+01 U
WG	W-6	495552004	11/4/2019	Se-75	7.00E-01	1.64E+00	5.65E+00 U
WG	W-6	495552004	11/4/2019	Th-228	4.97E+00	3.94E+00	7.31E+00 U
WG	W-6	495552004	11/4/2019	Zn-65	1.35E+00	2.33E+00	7.55E+00 U
WG	W-6	495552004	11/4/2019	Zr-95	-3.35E-01	2.81E+00	9.09E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	470523001	1/20/2019	Ac-228	4.78E+00	3.48E+00	4.41E+00 UI
WS	SWL-2	470523001	1/20/2019	Ag-108m	-6.76E-01	3.55E-01	1.01E+00 U
WS	SWL-2	470523001	1/20/2019	Ag-110m	7.77E-01	5.57E-01	1.79E+00 U
WS	SWL-2	470523001	1/20/2019	Ba-140	5.04E+00	1.03E+01	2.01E+01 U
WS	SWL-2	470523001	1/20/2019	Be-7	-5.32E+00	4.45E+00	1.38E+01 U
WS	SWL-2	470523001	1/20/2019	Ce-141	-2.64E+00	1.25E+00	3.32E+00 U
WS	SWL-2	470523001	1/20/2019	Ce-144	3.79E+00	2.79E+00	8.72E+00 U
WS	SWL-2	470523001	1/20/2019	Co-57	-2.26E-01	3.42E-01	1.08E+00 U
WS	SWL-2	470523001	1/20/2019	Co-58	6.04E-02	4.51E-01	1.46E+00 U
WS	SWL-2	470523001	1/20/2019	Co-60	-5.68E-01	3.98E-01	1.15E+00 U
WS	SWL-2	470523001	1/20/2019	Cr-51	-7.80E+00	6.02E+00	1.90E+01 U
WS	SWL-2	470523001	1/20/2019	Cs-134	6.30E-01	4.28E-01	1.38E+00 U
WS	SWL-2	470523001	1/20/2019	Cs-137	-1.53E-01	3.81E-01	1.22E+00 U
WS	SWL-2	470523001	1/20/2019	Fe-59	-1.02E+00	1.04E+00	3.29E+00 U
WS	SWL-2	470523001	1/20/2019	I-131	-2.14E+00	4.22E+00	1.40E+01 U
WS	SWL-2	470523001	1/20/2019	K-40	6.68E-01	1.15E+01	1.26E+01 U
WS	SWL-2	470523001	1/20/2019	La-140	-5.64E-01	2.21E+00	7.17E+00 U
WS	SWL-2	470523001	1/20/2019	Mn-54	-5.57E-02	4.05E-01	1.15E+00 U
WS	SWL-2	470523001	1/20/2019	Nb-95	-6.98E-01	4.80E-01	1.37E+00 U
WS	SWL-2	470523001	1/20/2019	Ru-103	1.55E-01	5.89E-01	1.77E+00 U
WS	SWL-2	470523001	1/20/2019	Ru-106	1.84E-01	3.28E+00	1.08E+01 U
WS	SWL-2	470523001	1/20/2019	Sb-124	-1.99E-01	9.94E-01	3.21E+00 U
WS	SWL-2	470523001	1/20/2019	Sb-125	-1.80E+00	1.08E+00	3.16E+00 U
WS	SWL-2	470523001	1/20/2019	Se-75	1.02E+00	5.87E-01	1.91E+00 U
WS	SWL-2	470523001	1/20/2019	Th-228	8.00E-01	1.64E+00	2.87E+00 U
WS	SWL-2	470523001	1/20/2019	Zn-65	-8.92E-03	7.70E-01	2.60E+00 U
WS	SWL-2	470523001	1/20/2019	Zr-95	1.63E-01	8.42E-01	2.74E+00 U
WS	SWL-3	470523002	1/20/2019	Ac-228	1.00E+01	3.03E+00	4.29E+00 U
WS	SWL-3	470523002	1/20/2019	Ag-108m	4.76E-02	3.35E-01	1.11E+00 U
WS	SWL-3	470523002	1/20/2019	Ag-110m	1.62E-01	5.19E-01	1.76E+00 U
WS	SWL-3	470523002	1/20/2019	Ba-140	-3.04E+00	6.49E+00	2.07E+01 U
WS	SWL-3	470523002	1/20/2019	Be-7	-2.31E+00	4.55E+00	1.46E+01 U
WS	SWL-3	470523002	1/20/2019	Ce-141	-6.74E+00	2.42E+00	3.71E+00 U
WS	SWL-3	470523002	1/20/2019	Ce-144	-4.95E+00	3.05E+00	8.76E+00 U
WS	SWL-3	470523002	1/20/2019	Co-57	6.96E-01	4.13E-01	1.17E+00 U
WS	SWL-3	470523002	1/20/2019	Co-58	-1.10E-01	4.44E-01	1.49E+00 U
WS	SWL-3	470523002	1/20/2019	Co-60	-2.33E-02	3.88E-01	1.26E+00 U
WS	SWL-3	470523002	1/20/2019	Cr-51	-4.23E+00	6.18E+00	2.03E+01 U
WS	SWL-3	470523002	1/20/2019	Cs-134	2.81E-01	3.98E-01	1.36E+00 U
WS	SWL-3	470523002	1/20/2019	Cs-137	1.83E-01	3.97E-01	1.28E+00 U
WS	SWL-3	470523002	1/20/2019	Fe-59	-2.10E+00	1.18E+00	3.27E+00 U
WS	SWL-3	470523002	1/20/2019	I-131	7.39E+00	4.95E+00	1.60E+01 U
WS	SWL-3	470523002	1/20/2019	K-40	1.86E+01	1.18E+01	1.17E+01 UI
WS	SWL-3	470523002	1/20/2019	La-140	1.01E-01	2.32E+00	6.88E+00 U
WS	SWL-3	470523002	1/20/2019	Mn-54	3.07E-02	3.52E-01	1.19E+00 U
WS	SWL-3	470523002	1/20/2019	Nb-95	-6.94E-01	7.92E-01	1.59E+00 U
WS	SWL-3	470523002	1/20/2019	Ru-103	1.26E-01	6.49E-01	1.91E+00 U
WS	SWL-3	470523002	1/20/2019	Ru-106	-3.62E+00	3.51E+00	1.06E+01 U
WS	SWL-3	470523002	1/20/2019	Sb-124	9.23E-01	1.95E+00	3.87E+00 U
WS	SWL-3	470523002	1/20/2019	Sb-125	1.58E-01	1.06E+00	3.51E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-3	470523002	1/20/2019	Se-75	-3.27E-01	5.88E-01	1.97E+00 U
WS	SWL-3	470523002	1/20/2019	Th-228	3.64E-01	2.18E+00	2.35E+00 U
WS	SWL-3	470523002	1/20/2019	Zn-65	-1.92E-01	9.15E-01	2.62E+00 U
WS	SWL-3	470523002	1/20/2019	Zr-95	3.36E-01	7.74E-01	2.66E+00 U
WS	SWL-2	475228001	3/31/2019	Ac-228	-1.80E+00	5.81E+00	1.08E+01 U
WS	SWL-2	475228001	3/31/2019	Ag-108m	-2.50E-01	6.48E-01	1.88E+00 U
WS	SWL-2	475228001	3/31/2019	Ag-110m	-2.23E-01	9.74E-01	3.22E+00 U
WS	SWL-2	475228001	3/31/2019	Ba-140	2.20E+01	1.08E+01	2.65E+01 U
WS	SWL-2	475228001	3/31/2019	Be-7	7.14E+00	7.14E+00	2.34E+01 U
WS	SWL-2	475228001	3/31/2019	Ce-141	-3.17E+00	1.65E+00	4.57E+00 U
WS	SWL-2	475228001	3/31/2019	Ce-144	-6.93E+00	4.21E+00	1.22E+01 U
WS	SWL-2	475228001	3/31/2019	Co-57	-5.15E-01	5.11E-01	1.59E+00 U
WS	SWL-2	475228001	3/31/2019	Co-58	2.91E-01	7.88E-01	2.66E+00 U
WS	SWL-2	475228001	3/31/2019	Co-60	-7.58E-01	7.71E-01	2.30E+00 U
WS	SWL-2	475228001	3/31/2019	Cr-51	-7.53E+00	9.20E+00	3.00E+01 U
WS	SWL-2	475228001	3/31/2019	Cs-134	-6.73E-01	7.71E-01	2.47E+00 U
WS	SWL-2	475228001	3/31/2019	Cs-137	2.08E+00	1.22E+00	2.35E+00 U
WS	SWL-2	475228001	3/31/2019	Fe-59	1.17E+00	1.81E+00	5.98E+00 U
WS	SWL-2	475228001	3/31/2019	I-131	7.08E-01	5.01E+00	1.68E+01 U
WS	SWL-2	475228001	3/31/2019	K-40	1.69E+01	2.15E+01	2.31E+01 U
WS	SWL-2	475228001	3/31/2019	La-140	-4.22E+00	3.07E+00	9.04E+00 U
WS	SWL-2	475228001	3/31/2019	Mn-54	-1.81E-01	7.11E-01	2.36E+00 U
WS	SWL-2	475228001	3/31/2019	Nb-95	1.12E+00	1.01E+00	3.02E+00 U
WS	SWL-2	475228001	3/31/2019	Ru-103	-1.56E+00	1.00E+00	2.90E+00 U
WS	SWL-2	475228001	3/31/2019	Ru-106	1.07E+01	6.85E+00	2.13E+01 U
WS	SWL-2	475228001	3/31/2019	Sb-124	2.60E+00	2.08E+00	7.01E+00 U
WS	SWL-2	475228001	3/31/2019	Sb-125	-3.53E+00	2.17E+00	5.59E+00 U
WS	SWL-2	475228001	3/31/2019	Se-75	-7.89E-01	1.38E+00	3.00E+00 U
WS	SWL-2	475228001	3/31/2019	Th-228	8.26E-01	2.26E+00	4.43E+00 U
WS	SWL-2	475228001	3/31/2019	Zn-65	2.41E+00	1.85E+00	5.37E+00 U
WS	SWL-2	475228001	3/31/2019	Zr-95	1.36E+00	1.52E+00	5.13E+00 U
WS	SWL-2	475228002	3/31/2019	H-3	-7.64E+02	3.76E+02	1.36E+03 U
WS	SWL-3	475228003	3/31/2019	Ac-228	-7.40E+00	5.49E+00	1.04E+01 U
WS	SWL-3	475228003	3/31/2019	Ag-108m	-1.55E+00	1.03E+00	1.83E+00 U
WS	SWL-3	475228003	3/31/2019	Ag-110m	1.28E+00	8.98E-01	2.91E+00 U
WS	SWL-3	475228003	3/31/2019	Ba-140	9.44E+00	8.38E+00	2.79E+01 U
WS	SWL-3	475228003	3/31/2019	Be-7	3.95E+00	6.84E+00	2.32E+01 U
WS	SWL-3	475228003	3/31/2019	Ce-141	-1.23E+01	4.03E+00	5.12E+00 U
WS	SWL-3	475228003	3/31/2019	Ce-144	-3.77E+00	4.35E+00	1.35E+01 U
WS	SWL-3	475228003	3/31/2019	Co-57	4.02E-01	5.68E-01	1.83E+00 U
WS	SWL-3	475228003	3/31/2019	Co-58	-1.37E+00	8.40E-01	2.38E+00 U
WS	SWL-3	475228003	3/31/2019	Co-60	-8.79E-02	6.61E-01	2.08E+00 U
WS	SWL-3	475228003	3/31/2019	Cr-51	5.38E+00	9.13E+00	3.13E+01 U
WS	SWL-3	475228003	3/31/2019	Cs-134	-5.51E-01	7.79E-01	2.46E+00 U
WS	SWL-3	475228003	3/31/2019	Cs-137	1.09E+00	9.50E-01	2.15E+00 U
WS	SWL-3	475228003	3/31/2019	Fe-59	1.21E+00	1.78E+00	5.80E+00 U
WS	SWL-3	475228003	3/31/2019	I-131	-4.97E+00	5.01E+00	1.63E+01 U
WS	SWL-3	475228003	3/31/2019	K-40	-6.70E+01	2.51E+01	3.61E+01 U
WS	SWL-3	475228003	3/31/2019	La-140	3.28E+00	2.84E+00	9.70E+00 U
WS	SWL-3	475228003	3/31/2019	Mn-54	1.64E-01	6.50E-01	2.14E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-3	475228003	3/31/2019	Nb-95	3.06E+00	1.43E+00	2.54E+00 UI
WS	SWL-3	475228003	3/31/2019	Ru-103	-8.97E-01	9.64E-01	3.10E+00 U
WS	SWL-3	475228003	3/31/2019	Ru-106	4.18E+00	6.23E+00	2.08E+01 U
WS	SWL-3	475228003	3/31/2019	Sb-124	2.72E+00	1.87E+00	6.38E+00 U
WS	SWL-3	475228003	3/31/2019	Sb-125	8.91E-01	1.73E+00	5.87E+00 U
WS	SWL-3	475228003	3/31/2019	Se-75	-7.13E-01	1.00E+00	3.04E+00 U
WS	SWL-3	475228003	3/31/2019	Th-228	-2.22E+00	2.12E+00	4.67E+00 U
WS	SWL-3	475228003	3/31/2019	Zn-65	1.02E+00	1.56E+00	5.06E+00 U
WS	SWL-3	475228003	3/31/2019	Zr-95	2.12E-01	1.33E+00	4.40E+00 U
WS	SWL-3	475228004	3/31/2019	H-3	6.40E+01	4.22E+02	1.38E+03 U
WS	SWL-2	478267001	4/30/2019	Ac-228	6.24E+00	5.66E+00	7.53E+00 U
WS	SWL-2	478267001	4/30/2019	Ag-108m	-1.38E+00	5.24E-01	1.20E+00 U
WS	SWL-2	478267001	4/30/2019	Ag-110m	-1.38E+00	7.40E-01	1.97E+00 U
WS	SWL-2	478267001	4/30/2019	Ba-140	-5.31E+00	5.70E+00	1.73E+01 U
WS	SWL-2	478267001	4/30/2019	Be-7	6.32E+00	5.44E+00	1.78E+01 U
WS	SWL-2	478267001	4/30/2019	Ce-141	4.22E+00	2.19E+00	3.38E+00 UI
WS	SWL-2	478267001	4/30/2019	Ce-144	1.14E+00	3.16E+00	1.05E+01 U
WS	SWL-2	478267001	4/30/2019	Co-57	7.56E-02	4.20E-01	1.40E+00 U
WS	SWL-2	478267001	4/30/2019	Co-58	-2.86E-01	5.76E-01	1.87E+00 U
WS	SWL-2	478267001	4/30/2019	Co-60	1.57E-01	6.72E-01	1.99E+00 U
WS	SWL-2	478267001	4/30/2019	Cr-51	1.09E+01	6.94E+00	2.28E+01 U
WS	SWL-2	478267001	4/30/2019	Cs-134	1.30E-01	9.06E-01	1.96E+00 U
WS	SWL-2	478267001	4/30/2019	Cs-137	-3.62E-01	4.95E-01	1.61E+00 U
WS	SWL-2	478267001	4/30/2019	Fe-59	-1.66E+00	1.54E+00	4.53E+00 U
WS	SWL-2	478267001	4/30/2019	I-131	1.57E+00	3.13E+00	1.06E+01 U
WS	SWL-2	478267001	4/30/2019	K-40	1.11E+00	1.18E+01	1.81E+01 U
WS	SWL-2	478267001	4/30/2019	La-140	-1.01E+00	2.09E+00	6.62E+00 U
WS	SWL-2	478267001	4/30/2019	Mn-54	4.31E-01	5.20E-01	1.76E+00 U
WS	SWL-2	478267001	4/30/2019	Nb-95	4.23E-01	6.34E-01	2.15E+00 U
WS	SWL-2	478267001	4/30/2019	Ru-103	4.67E-01	7.07E-01	2.10E+00 U
WS	SWL-2	478267001	4/30/2019	Ru-106	-2.90E-01	4.68E+00	1.49E+01 U
WS	SWL-2	478267001	4/30/2019	Sb-124	9.31E-01	1.77E+00	5.20E+00 U
WS	SWL-2	478267001	4/30/2019	Sb-125	-5.24E-01	1.31E+00	4.26E+00 U
WS	SWL-2	478267001	4/30/2019	Se-75	1.02E+00	7.36E-01	2.26E+00 U
WS	SWL-2	478267001	4/30/2019	Th-228	3.86E+00	2.36E+00	2.74E+00 UI
WS	SWL-2	478267001	4/30/2019	Zn-65	-9.02E-01	1.37E+00	3.63E+00 U
WS	SWL-2	478267001	4/30/2019	Zr-95	1.07E+00	1.08E+00	3.65E+00 U
WS	SWL-3	478267002	4/30/2019	Ac-228	-2.95E+00	3.00E+00	7.22E+00 U
WS	SWL-3	478267002	4/30/2019	Ag-108m	2.99E-01	4.96E-01	1.50E+00 U
WS	SWL-3	478267002	4/30/2019	Ag-110m	-1.30E+00	7.68E-01	2.19E+00 U
WS	SWL-3	478267002	4/30/2019	Ba-140	-5.02E+00	5.73E+00	1.77E+01 U
WS	SWL-3	478267002	4/30/2019	Be-7	8.61E+00	5.48E+00	1.77E+01 U
WS	SWL-3	478267002	4/30/2019	Ce-141	3.73E+00	2.00E+00	3.92E+00 U
WS	SWL-3	478267002	4/30/2019	Ce-144	1.07E+00	3.57E+00	1.16E+01 U
WS	SWL-3	478267002	4/30/2019	Co-57	1.98E-01	4.56E-01	1.49E+00 U
WS	SWL-3	478267002	4/30/2019	Co-58	1.10E+00	6.29E-01	2.09E+00 U
WS	SWL-3	478267002	4/30/2019	Co-60	6.86E-01	6.05E-01	2.02E+00 U
WS	SWL-3	478267002	4/30/2019	Cr-51	7.13E+00	6.66E+00	2.25E+01 U
WS	SWL-3	478267002	4/30/2019	Cs-134	1.32E+00	7.95E-01	1.92E+00 U
WS	SWL-3	478267002	4/30/2019	Cs-137	9.99E-01	5.78E-01	1.83E+00 U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-3	478267002	4/30/2019	Fe-59	-1.65E+00	1.44E+00	4.33E+00 U
WS	SWL-3	478267002	4/30/2019	I-131	3.30E+00	3.24E+00	1.09E+01 U
WS	SWL-3	478267002	4/30/2019	K-40	1.29E+01	1.49E+01	1.87E+01 U
WS	SWL-3	478267002	4/30/2019	La-140	2.29E+00	2.08E+00	6.89E+00 U
WS	SWL-3	478267002	4/30/2019	Mn-54	-1.85E-02	4.81E-01	1.63E+00 U
WS	SWL-3	478267002	4/30/2019	Nb-95	1.93E-01	6.19E-01	1.98E+00 U
WS	SWL-3	478267002	4/30/2019	Ru-103	-8.18E-01	8.00E-01	2.17E+00 U
WS	SWL-3	478267002	4/30/2019	Ru-106	6.47E+00	5.88E+00	1.30E+01 U
WS	SWL-3	478267002	4/30/2019	Sb-124	-1.71E+00	1.51E+00	4.54E+00 U
WS	SWL-3	478267002	4/30/2019	Sb-125	3.05E-01	1.44E+00	4.31E+00 U
WS	SWL-3	478267002	4/30/2019	Se-75	-4.30E-01	7.04E-01	2.36E+00 U
WS	SWL-3	478267002	4/30/2019	Th-228	-2.04E+00	1.88E+00	3.65E+00 U
WS	SWL-3	478267002	4/30/2019	Zn-65	-4.44E-01	1.11E+00	3.57E+00 U
WS	SWL-3	478267002	4/30/2019	Zr-95	-8.13E-01	1.09E+00	3.28E+00 U
WS	SWL-2	480812001	5/31/2019	Ac-228	-6.65E+00	5.40E+00	7.55E+00 U
WS	SWL-2	480812001	5/31/2019	Ag-108m	-8.29E-01	5.24E-01	1.50E+00 U
WS	SWL-2	480812001	5/31/2019	Ag-110m	1.80E+00	8.98E-01	2.62E+00 U
WS	SWL-2	480812001	5/31/2019	Ba-140	-1.16E+01	8.54E+00	2.26E+01 U
WS	SWL-2	480812001	5/31/2019	Be-7	-6.91E+00	5.94E+00	1.88E+01 U
WS	SWL-2	480812001	5/31/2019	Ce-141	-6.00E+00	3.10E+00	5.03E+00 U
WS	SWL-2	480812001	5/31/2019	Ce-144	-1.05E+01	6.29E+00	1.32E+01 U
WS	SWL-2	480812001	5/31/2019	Co-57	9.54E-01	6.49E-01	1.76E+00 U
WS	SWL-2	480812001	5/31/2019	Co-58	-6.55E-01	6.67E-01	2.08E+00 U
WS	SWL-2	480812001	5/31/2019	Co-60	6.31E-02	6.30E-01	2.04E+00 U
WS	SWL-2	480812001	5/31/2019	Cr-51	-1.68E+00	8.10E+00	2.62E+01 U
WS	SWL-2	480812001	5/31/2019	Cs-134	-6.71E-01	5.75E-01	1.76E+00 U
WS	SWL-2	480812001	5/31/2019	Cs-137	-1.65E+00	1.10E+00	1.85E+00 U
WS	SWL-2	480812001	5/31/2019	Fe-59	-1.70E+00	1.54E+00	4.65E+00 U
WS	SWL-2	480812001	5/31/2019	I-131	-7.60E-01	4.70E+00	1.51E+01 U
WS	SWL-2	480812001	5/31/2019	K-40	-2.61E+00	1.16E+01	2.65E+01 U
WS	SWL-2	480812001	5/31/2019	La-140	-3.19E+00	2.61E+00	7.90E+00 U
WS	SWL-2	480812001	5/31/2019	Mn-54	-2.83E-01	6.22E-01	1.73E+00 U
WS	SWL-2	480812001	5/31/2019	Nb-95	1.50E+00	8.01E-01	1.87E+00 U
WS	SWL-2	480812001	5/31/2019	Ru-103	-9.04E-02	8.57E-01	2.51E+00 U
WS	SWL-2	480812001	5/31/2019	Ru-106	1.46E+00	4.72E+00	1.59E+01 U
WS	SWL-2	480812001	5/31/2019	Sb-124	1.20E-01	1.59E+00	5.29E+00 U
WS	SWL-2	480812001	5/31/2019	Sb-125	1.05E+00	1.53E+00	4.93E+00 U
WS	SWL-2	480812001	5/31/2019	Se-75	2.55E-01	8.45E-01	2.77E+00 U
WS	SWL-2	480812001	5/31/2019	Th-228	2.92E+00	2.51E+00	3.96E+00 U
WS	SWL-2	480812001	5/31/2019	Zn-65	-1.85E+00	1.30E+00	3.78E+00 U
WS	SWL-2	480812001	5/31/2019	Zr-95	-8.40E-01	1.15E+00	3.69E+00 U
WS	SWL-3	480812002	5/31/2019	Ac-228	-4.96E+00	3.81E+00	5.78E+00 U
WS	SWL-3	480812002	5/31/2019	Ag-108m	6.24E-01	3.64E-01	1.14E+00 U
WS	SWL-3	480812002	5/31/2019	Ag-110m	4.14E-01	5.82E-01	1.97E+00 U
WS	SWL-3	480812002	5/31/2019	Ba-140	2.27E+00	4.58E+00	1.49E+01 U
WS	SWL-3	480812002	5/31/2019	Be-7	2.25E+00	4.22E+00	1.38E+01 U
WS	SWL-3	480812002	5/31/2019	Ce-141	4.19E-01	9.38E-01	2.71E+00 U
WS	SWL-3	480812002	5/31/2019	Ce-144	2.74E-01	2.43E+00	7.65E+00 U
WS	SWL-3	480812002	5/31/2019	Co-57	-4.80E-01	3.32E-01	9.60E-01 U
WS	SWL-3	480812002	5/31/2019	Co-58	-5.59E-01	4.79E-01	1.49E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-3	480812002	5/31/2019	Co-60	1.48E-01	4.40E-01	1.45E+00 U
WS	SWL-3	480812002	5/31/2019	Cr-51	1.97E+00	5.12E+00	1.71E+01 U
WS	SWL-3	480812002	5/31/2019	Cs-134	-1.13E-01	4.42E-01	1.48E+00 U
WS	SWL-3	480812002	5/31/2019	Cs-137	5.86E-02	4.35E-01	1.39E+00 U
WS	SWL-3	480812002	5/31/2019	Fe-59	2.26E+00	1.15E+00	3.66E+00 U
WS	SWL-3	480812002	5/31/2019	I-131	3.71E+00	2.76E+00	8.92E+00 U
WS	SWL-3	480812002	5/31/2019	K-40	2.12E+01	5.30E+00	1.31E+01
WS	SWL-3	480812002	5/31/2019	La-140	-1.60E+00	1.62E+00	4.78E+00 U
WS	SWL-3	480812002	5/31/2019	Mn-54	-3.20E-01	4.29E-01	1.39E+00 U
WS	SWL-3	480812002	5/31/2019	Nb-95	4.59E-01	5.00E-01	1.70E+00 U
WS	SWL-3	480812002	5/31/2019	Ru-103	4.44E-02	5.74E-01	1.67E+00 U
WS	SWL-3	480812002	5/31/2019	Ru-106	-9.61E-01	3.94E+00	1.25E+01 U
WS	SWL-3	480812002	5/31/2019	Sb-124	1.45E+00	1.60E+00	3.84E+00 U
WS	SWL-3	480812002	5/31/2019	Sb-125	1.56E+00	1.12E+00	3.58E+00 U
WS	SWL-3	480812002	5/31/2019	Se-75	9.32E-02	5.40E-01	1.82E+00 U
WS	SWL-3	480812002	5/31/2019	Th-228	2.12E-01	1.77E+00	2.09E+00 U
WS	SWL-3	480812002	5/31/2019	Zn-65	-1.28E-01	1.01E+00	2.90E+00 U
WS	SWL-3	480812002	5/31/2019	Zr-95	3.28E-02	8.28E-01	2.81E+00 U
WS	SWL-2	483469001	6/30/2019	Ac-228	-1.11E+01	6.73E+00	1.69E+01 U
WS	SWL-2	483469001	6/30/2019	Ag-108m	2.58E+00	1.24E+00	4.14E+00 U
WS	SWL-2	483469001	6/30/2019	Ag-110m	-1.38E+00	1.93E+00	5.21E+00 U
WS	SWL-2	483469001	6/30/2019	Ba-140	1.14E+01	1.07E+01	3.66E+01 U
WS	SWL-2	483469001	6/30/2019	Be-7	6.19E+00	1.28E+01	4.28E+01 U
WS	SWL-2	483469001	6/30/2019	Ce-141	-3.71E-01	2.90E+00	9.05E+00 U
WS	SWL-2	483469001	6/30/2019	Ce-144	-7.21E+00	9.56E+00	2.86E+01 U
WS	SWL-2	483469001	6/30/2019	Co-57	9.60E-01	1.09E+00	3.54E+00 U
WS	SWL-2	483469001	6/30/2019	Co-58	1.04E+00	1.27E+00	4.52E+00 U
WS	SWL-2	483469001	6/30/2019	Co-60	3.96E-02	1.54E+00	4.95E+00 U
WS	SWL-2	483469001	6/30/2019	Cr-51	-1.84E+01	1.52E+01	4.47E+01 U
WS	SWL-2	483469001	6/30/2019	Cs-134	-1.15E+00	1.34E+00	4.00E+00 U
WS	SWL-2	483469001	6/30/2019	Cs-137	5.37E-01	1.44E+00	4.65E+00 U
WS	SWL-2	483469001	6/30/2019	Fe-59	5.51E-01	2.34E+00	7.91E+00 U
WS	SWL-2	483469001	6/30/2019	I-131	5.34E+00	5.28E+00	1.81E+01 U
WS	SWL-2	483469001	6/30/2019	K-40	-2.39E+01	1.75E+01	5.72E+01 U
WS	SWL-2	483469001	6/30/2019	La-140	-1.30E+00	3.31E+00	1.03E+01 U
WS	SWL-2	483469001	6/30/2019	Mn-54	1.49E+00	1.19E+00	4.27E+00 U
WS	SWL-2	483469001	6/30/2019	Nb-95	-3.31E-01	1.66E+00	5.47E+00 U
WS	SWL-2	483469001	6/30/2019	Ru-103	-3.08E+00	2.19E+00	5.73E+00 U
WS	SWL-2	483469001	6/30/2019	Ru-106	-8.23E+00	1.20E+01	3.50E+01 U
WS	SWL-2	483469001	6/30/2019	Sb-124	1.27E+00	3.76E+00	1.30E+01 U
WS	SWL-2	483469001	6/30/2019	Sb-125	-9.41E-01	3.27E+00	1.04E+01 U
WS	SWL-2	483469001	6/30/2019	Se-75	5.61E-01	1.81E+00	6.17E+00 U
WS	SWL-2	483469001	6/30/2019	Th-228	5.05E+00	5.91E+00	1.14E+01 U
WS	SWL-2	483469001	6/30/2019	Zn-65	-1.58E+00	2.92E+00	8.82E+00 U
WS	SWL-2	483469001	6/30/2019	Zr-95	2.42E+00	2.56E+00	9.11E+00 U
WS	SWL-2	483469002	6/30/2019	H-3	2.31E+02	3.99E+02	1.28E+03 U
WS	SWL-3	483469003	6/30/2019	Ac-228	-1.01E+01	6.02E+00	1.56E+01 U
WS	SWL-3	483469003	6/30/2019	Ag-108m	8.36E-01	1.04E+00	3.61E+00 U
WS	SWL-3	483469003	6/30/2019	Ag-110m	1.42E-01	1.55E+00	5.00E+00 U
WS	SWL-3	483469003	6/30/2019	Ba-140	-6.11E+00	1.11E+01	3.07E+01 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-3	483469003	6/30/2019	Be-7	8.18E+00	9.44E+00	3.31E+01 U
WS	SWL-3	483469003	6/30/2019	Ce-141	5.62E+00	3.38E+00	8.13E+00 U
WS	SWL-3	483469003	6/30/2019	Ce-144	5.14E+00	7.94E+00	2.60E+01 U
WS	SWL-3	483469003	6/30/2019	Co-57	4.85E-01	1.08E+00	3.53E+00 U
WS	SWL-3	483469003	6/30/2019	Co-58	-1.35E+00	1.29E+00	3.53E+00 U
WS	SWL-3	483469003	6/30/2019	Co-60	1.37E+00	1.59E+00	5.62E+00 U
WS	SWL-3	483469003	6/30/2019	Cr-51	2.37E+01	2.08E+01	4.14E+01 U
WS	SWL-3	483469003	6/30/2019	Cs-134	7.08E-02	1.26E+00	4.08E+00 U
WS	SWL-3	483469003	6/30/2019	Cs-137	0.00E+00	0.00E+00	3.51E+00 U
WS	SWL-3	483469003	6/30/2019	Fe-59	-5.88E-01	2.93E+00	9.70E+00 U
WS	SWL-3	483469003	6/30/2019	I-131	5.14E+00	4.39E+00	1.54E+01 U
WS	SWL-3	483469003	6/30/2019	K-40	-1.70E+01	1.65E+01	4.96E+01 U
WS	SWL-3	483469003	6/30/2019	La-140	-7.86E-01	3.27E+00	1.03E+01 U
WS	SWL-3	483469003	6/30/2019	Mn-54	-1.80E+00	1.25E+00	3.11E+00 U
WS	SWL-3	483469003	6/30/2019	Nb-95	-3.74E-01	1.24E+00	3.86E+00 U
WS	SWL-3	483469003	6/30/2019	Ru-103	1.74E-01	1.40E+00	4.68E+00 U
WS	SWL-3	483469003	6/30/2019	Ru-106	-5.86E+00	9.59E+00	2.52E+01 U
WS	SWL-3	483469003	6/30/2019	Sb-124	3.29E+00	2.40E+00	9.52E+00 U
WS	SWL-3	483469003	6/30/2019	Sb-125	-1.14E+00	2.70E+00	8.71E+00 U
WS	SWL-3	483469003	6/30/2019	Se-75	7.57E-01	1.42E+00	4.98E+00 U
WS	SWL-3	483469003	6/30/2019	Th-228	5.64E+00	3.78E+00	8.90E+00 U
WS	SWL-3	483469003	6/30/2019	Zn-65	-3.13E+00	2.60E+00	7.24E+00 U
WS	SWL-3	483469003	6/30/2019	Zr-95	-1.54E+00	2.18E+00	6.38E+00 U
WS	SWL-3	483469004	6/30/2019	H-3	8.10E+00	4.01E+02	1.32E+03 U
WS	SWL-2	486329001	7/31/2019	Ac-228	-1.39E+00	6.66E+00	1.93E+01 U
WS	SWL-2	486329001	7/31/2019	Ag-108m	-5.79E-01	9.22E-01	2.87E+00 U
WS	SWL-2	486329001	7/31/2019	Ag-110m	9.70E-01	1.34E+00	4.23E+00 U
WS	SWL-2	486329001	7/31/2019	Ba-140	-1.71E+01	1.21E+01	3.33E+01 U
WS	SWL-2	486329001	7/31/2019	Be-7	-1.26E+01	1.09E+01	2.71E+01 U
WS	SWL-2	486329001	7/31/2019	Ce-141	5.46E+00	4.32E+00	5.37E+00 UI
WS	SWL-2	486329001	7/31/2019	Ce-144	2.94E+00	5.60E+00	1.93E+01 U
WS	SWL-2	486329001	7/31/2019	Co-57	8.66E-01	9.94E-01	2.24E+00 U
WS	SWL-2	486329001	7/31/2019	Co-58	-2.05E+00	1.31E+00	3.64E+00 U
WS	SWL-2	486329001	7/31/2019	Co-60	-2.18E+00	1.42E+00	3.69E+00 U
WS	SWL-2	486329001	7/31/2019	Cr-51	2.02E-01	1.33E+01	4.39E+01 U
WS	SWL-2	486329001	7/31/2019	Cs-134	-1.65E-02	1.12E+00	3.76E+00 U
WS	SWL-2	486329001	7/31/2019	Cs-137	7.90E-01	1.17E+00	3.83E+00 U
WS	SWL-2	486329001	7/31/2019	Fe-59	-5.69E-01	2.86E+00	9.30E+00 U
WS	SWL-2	486329001	7/31/2019	I-131	4.25E-01	5.69E+00	1.87E+01 U
WS	SWL-2	486329001	7/31/2019	K-40	-2.10E+01	2.10E+01	5.36E+01 U
WS	SWL-2	486329001	7/31/2019	La-140	-1.03E+00	3.80E+00	1.18E+01 U
WS	SWL-2	486329001	7/31/2019	Mn-54	1.51E+00	1.20E+00	4.15E+00 U
WS	SWL-2	486329001	7/31/2019	Nb-95	-8.36E-01	1.28E+00	4.10E+00 U
WS	SWL-2	486329001	7/31/2019	Ru-103	-6.26E-01	1.36E+00	4.24E+00 U
WS	SWL-2	486329001	7/31/2019	Ru-106	-7.41E+00	9.78E+00	2.90E+01 U
WS	SWL-2	486329001	7/31/2019	Sb-124	-3.07E+00	3.32E+00	9.18E+00 U
WS	SWL-2	486329001	7/31/2019	Sb-125	-6.62E-01	3.06E+00	9.84E+00 U
WS	SWL-2	486329001	7/31/2019	Se-75	-8.02E-01	1.36E+00	4.39E+00 U
WS	SWL-2	486329001	7/31/2019	Th-228	9.33E+00	4.38E+00	7.66E+00 UI
WS	SWL-2	486329001	7/31/2019	Zn-65	3.80E-01	2.14E+00	7.16E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	486329001	7/31/2019	Zr-95	6.62E+00	2.94E+00	8.99E+00 U
WS	SWL-3	486329002	7/31/2019	Ac-228	4.05E+00	4.61E+00	1.40E+01 U
WS	SWL-3	486329002	7/31/2019	Ag-108m	5.13E-02	8.28E-01	2.81E+00 U
WS	SWL-3	486329002	7/31/2019	Ag-110m	1.15E+00	1.55E+00	4.86E+00 U
WS	SWL-3	486329002	7/31/2019	Ba-140	-5.08E+00	9.58E+00	3.04E+01 U
WS	SWL-3	486329002	7/31/2019	Be-7	-1.11E+01	1.11E+01	3.38E+01 U
WS	SWL-3	486329002	7/31/2019	Ce-141	-1.10E+01	4.01E+00	8.25E+00 U
WS	SWL-3	486329002	7/31/2019	Ce-144	-2.33E+00	7.52E+00	2.38E+01 U
WS	SWL-3	486329002	7/31/2019	Co-57	4.01E-01	1.04E+00	3.39E+00 U
WS	SWL-3	486329002	7/31/2019	Co-58	-4.18E-01	1.02E+00	3.15E+00 U
WS	SWL-3	486329002	7/31/2019	Co-60	-7.35E-01	1.20E+00	3.78E+00 U
WS	SWL-3	486329002	7/31/2019	Cr-51	-2.06E+00	1.33E+01	4.53E+01 U
WS	SWL-3	486329002	7/31/2019	Cs-134	-1.22E-01	1.25E+00	4.06E+00 U
WS	SWL-3	486329002	7/31/2019	Cs-137	4.23E-02	1.05E+00	3.49E+00 U
WS	SWL-3	486329002	7/31/2019	Fe-59	3.21E+00	2.63E+00	9.19E+00 U
WS	SWL-3	486329002	7/31/2019	I-131	5.15E+00	6.29E+00	2.19E+01 U
WS	SWL-3	486329002	7/31/2019	K-40	-2.44E+01	1.61E+01	5.20E+01 U
WS	SWL-3	486329002	7/31/2019	La-140	-4.46E+00	3.01E+00	6.85E+00 U
WS	SWL-3	486329002	7/31/2019	Mn-54	1.02E-01	8.53E-01	2.82E+00 U
WS	SWL-3	486329002	7/31/2019	Nb-95	-1.28E-01	1.20E+00	3.89E+00 U
WS	SWL-3	486329002	7/31/2019	Ru-103	-1.80E+00	1.31E+00	3.69E+00 U
WS	SWL-3	486329002	7/31/2019	Ru-106	1.67E+01	1.05E+01	3.60E+01 U
WS	SWL-3	486329002	7/31/2019	Sb-124	8.56E-01	3.28E+00	1.12E+01 U
WS	SWL-3	486329002	7/31/2019	Sb-125	-4.56E-01	2.79E+00	9.33E+00 U
WS	SWL-3	486329002	7/31/2019	Se-75	5.84E-01	1.79E+00	5.23E+00 U
WS	SWL-3	486329002	7/31/2019	Th-228	4.50E-01	4.27E+00	7.92E+00 U
WS	SWL-3	486329002	7/31/2019	Zn-65	1.19E+00	2.15E+00	7.28E+00 U
WS	SWL-3	486329002	7/31/2019	Zr-95	7.87E-01	1.93E+00	6.56E+00 U
WS	SWL-2	489577001	8/31/2019	Ac-228	3.71E+00	2.62E+00	8.93E+00 U
WS	SWL-2	489577001	8/31/2019	Ag-108m	1.73E-01	5.17E-01	1.78E+00 U
WS	SWL-2	489577001	8/31/2019	Ag-110m	2.21E-01	8.45E-01	2.52E+00 U
WS	SWL-2	489577001	8/31/2019	Ba-140	-4.07E-01	9.36E+00	3.12E+01 U
WS	SWL-2	489577001	8/31/2019	Be-7	-3.26E+00	5.82E+00	1.87E+01 U
WS	SWL-2	489577001	8/31/2019	Ce-141	2.94E+00	3.21E+00	5.23E+00 U
WS	SWL-2	489577001	8/31/2019	Ce-144	-4.51E+00	4.66E+00	1.42E+01 U
WS	SWL-2	489577001	8/31/2019	Co-57	-1.12E+00	6.40E-01	1.76E+00 U
WS	SWL-2	489577001	8/31/2019	Co-58	7.30E-01	7.23E-01	2.49E+00 U
WS	SWL-2	489577001	8/31/2019	Co-60	-4.98E-01	6.65E-01	2.05E+00 U
WS	SWL-2	489577001	8/31/2019	Cr-51	6.85E+00	1.17E+01	3.29E+01 U
WS	SWL-2	489577001	8/31/2019	Cs-134	9.53E-01	9.27E-01	2.66E+00 U
WS	SWL-2	489577001	8/31/2019	Cs-137	-5.84E-01	6.51E-01	1.96E+00 U
WS	SWL-2	489577001	8/31/2019	Fe-59	1.87E+00	1.86E+00	6.30E+00 U
WS	SWL-2	489577001	8/31/2019	I-131	-7.79E-02	5.72E+00	1.95E+01 U
WS	SWL-2	489577001	8/31/2019	K-40	9.56E+00	1.49E+01	1.89E+01 U
WS	SWL-2	489577001	8/31/2019	La-140	1.60E+00	3.51E+00	1.21E+01 U
WS	SWL-2	489577001	8/31/2019	Mn-54	-9.37E-01	7.59E-01	2.14E+00 U
WS	SWL-2	489577001	8/31/2019	Nb-95	6.03E-02	7.81E-01	2.57E+00 U
WS	SWL-2	489577001	8/31/2019	Ru-103	-2.23E+00	1.20E+00	2.72E+00 U
WS	SWL-2	489577001	8/31/2019	Ru-106	-4.43E+00	6.42E+00	2.01E+01 U
WS	SWL-2	489577001	8/31/2019	Sb-124	-3.65E+00	2.19E+00	5.22E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	489577001	8/31/2019	Sb-125	1.95E+00	1.76E+00	6.09E+00 U
WS	SWL-2	489577001	8/31/2019	Se-75	-8.62E-01	9.60E-01	2.79E+00 U
WS	SWL-2	489577001	8/31/2019	Th-228	4.03E-01	2.66E+00	5.38E+00 U
WS	SWL-2	489577001	8/31/2019	Zn-65	1.87E+00	1.30E+00	4.53E+00 U
WS	SWL-2	489577001	8/31/2019	Zr-95	-8.38E-01	1.26E+00	3.82E+00 U
WS	SWL-3	489577002	8/31/2019	Ac-228	1.08E+01	6.99E+00	1.33E+01 U
WS	SWL-3	489577002	8/31/2019	Ag-108m	3.94E-01	6.61E-01	2.24E+00 U
WS	SWL-3	489577002	8/31/2019	Ag-110m	4.45E+00	2.16E+00	3.59E+00 UI
WS	SWL-3	489577002	8/31/2019	Ba-140	-2.43E+00	1.04E+01	3.33E+01 U
WS	SWL-3	489577002	8/31/2019	Be-7	-6.08E+00	9.22E+00	2.90E+01 U
WS	SWL-3	489577002	8/31/2019	Ce-141	-1.54E+00	2.71E+00	6.91E+00 U
WS	SWL-3	489577002	8/31/2019	Ce-144	-2.45E+00	5.73E+00	1.81E+01 U
WS	SWL-3	489577002	8/31/2019	Co-57	-9.67E-02	7.16E-01	2.30E+00 U
WS	SWL-3	489577002	8/31/2019	Co-58	-1.52E-01	9.11E-01	3.06E+00 U
WS	SWL-3	489577002	8/31/2019	Co-60	-3.25E-01	8.14E-01	2.54E+00 U
WS	SWL-3	489577002	8/31/2019	Cr-51	3.31E+01	1.39E+01	4.33E+01 U
WS	SWL-3	489577002	8/31/2019	Cs-134	9.89E-01	8.14E-01	2.86E+00 U
WS	SWL-3	489577002	8/31/2019	Cs-137	-2.47E-01	8.45E-01	2.66E+00 U
WS	SWL-3	489577002	8/31/2019	Fe-59	-4.78E-01	2.25E+00	7.35E+00 U
WS	SWL-3	489577002	8/31/2019	I-131	6.12E+00	6.68E+00	2.28E+01 U
WS	SWL-3	489577002	8/31/2019	K-40	-3.24E+01	1.42E+01	3.55E+01 U
WS	SWL-3	489577002	8/31/2019	La-140	-4.11E+00	2.80E+00	6.10E+00 U
WS	SWL-3	489577002	8/31/2019	Mn-54	7.15E-02	8.28E-01	2.82E+00 U
WS	SWL-3	489577002	8/31/2019	Nb-95	-6.06E-01	1.02E+00	3.07E+00 U
WS	SWL-3	489577002	8/31/2019	Ru-103	-5.37E-01	1.22E+00	3.89E+00 U
WS	SWL-3	489577002	8/31/2019	Ru-106	-5.02E+00	7.93E+00	2.43E+01 U
WS	SWL-3	489577002	8/31/2019	Sb-124	3.81E-01	2.19E+00	7.51E+00 U
WS	SWL-3	489577002	8/31/2019	Sb-125	-9.11E-01	2.11E+00	6.82E+00 U
WS	SWL-3	489577002	8/31/2019	Se-75	1.22E+00	1.21E+00	4.17E+00 U
WS	SWL-3	489577002	8/31/2019	Th-228	1.32E-01	2.04E+00	5.96E+00 U
WS	SWL-3	489577002	8/31/2019	Zn-65	4.14E+00	1.87E+00	6.34E+00 U
WS	SWL-3	489577002	8/31/2019	Zr-95	2.92E-01	1.59E+00	5.12E+00 U
WS	SWL-2	491637001	9/30/2019	Ac-228	2.30E+01	7.85E+00	8.21E+00 UI
WS	SWL-2	491637001	9/30/2019	Ag-108m	-5.29E-02	4.42E-01	1.43E+00 U
WS	SWL-2	491637001	9/30/2019	Ag-110m	-1.81E-01	6.51E-01	2.13E+00 U
WS	SWL-2	491637001	9/30/2019	Ba-140	3.86E+00	4.99E+00	1.61E+01 U
WS	SWL-2	491637001	9/30/2019	Be-7	-6.51E-01	5.08E+00	1.63E+01 U
WS	SWL-2	491637001	9/30/2019	Ce-141	3.38E+00	2.85E+00	3.61E+00 U
WS	SWL-2	491637001	9/30/2019	Ce-144	-4.50E+00	3.74E+00	1.09E+01 U
WS	SWL-2	491637001	9/30/2019	Co-57	-4.07E-01	4.75E-01	1.44E+00 U
WS	SWL-2	491637001	9/30/2019	Co-58	7.90E-03	5.64E-01	1.88E+00 U
WS	SWL-2	491637001	9/30/2019	Co-60	-6.36E-03	5.57E-01	1.78E+00 U
WS	SWL-2	491637001	9/30/2019	Cr-51	-1.22E+01	6.98E+00	2.01E+01 U
WS	SWL-2	491637001	9/30/2019	Cs-134	7.66E-01	5.58E-01	1.86E+00 U
WS	SWL-2	491637001	9/30/2019	Cs-137	-2.79E-01	5.02E-01	1.65E+00 U
WS	SWL-2	491637001	9/30/2019	Fe-59	1.23E+00	1.42E+00	4.70E+00 U
WS	SWL-2	491637001	9/30/2019	I-131	5.91E+00	2.93E+00	9.00E+00 U
WS	SWL-2	491637001	9/30/2019	K-40	2.44E-02	1.42E+01	1.66E+01 U
WS	SWL-2	491637001	9/30/2019	La-140	4.53E+00	3.33E+00	5.43E+00 U
WS	SWL-2	491637001	9/30/2019	Mn-54	-4.73E-01	4.72E-01	1.46E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	491637001	9/30/2019	Nb-95	1.42E+00	6.69E-01	2.10E+00 U
WS	SWL-2	491637001	9/30/2019	Ru-103	-1.39E+00	7.52E-01	2.03E+00 U
WS	SWL-2	491637001	9/30/2019	Ru-106	-3.44E+00	4.38E+00	1.43E+01 U
WS	SWL-2	491637001	9/30/2019	Sb-124	-1.89E+00	1.45E+00	4.20E+00 U
WS	SWL-2	491637001	9/30/2019	Sb-125	8.92E-01	1.37E+00	4.48E+00 U
WS	SWL-2	491637001	9/30/2019	Se-75	-6.94E-01	7.26E-01	2.21E+00 U
WS	SWL-2	491637001	9/30/2019	Th-228	2.21E+00	2.26E+00	4.18E+00 U
WS	SWL-2	491637001	9/30/2019	Zn-65	-9.18E-01	1.09E+00	3.32E+00 U
WS	SWL-2	491637001	9/30/2019	Zr-95	1.44E-01	9.86E-01	3.32E+00 U
WS	SWL-2	491637002	9/30/2019	H-3	3.10E+02	2.24E+02	6.49E+02 U
WS	SWL-3	491637003	9/30/2019	Ac-228	-4.87E+00	3.72E+00	7.74E+00 U
WS	SWL-3	491637003	9/30/2019	Ag-108m	-5.42E-01	4.90E-01	1.53E+00 U
WS	SWL-3	491637003	9/30/2019	Ag-110m	5.57E-01	7.12E-01	2.33E+00 U
WS	SWL-3	491637003	9/30/2019	Ba-140	-7.31E-01	5.57E+00	1.63E+01 U
WS	SWL-3	491637003	9/30/2019	Be-7	1.15E+01	5.68E+00	1.79E+01 U
WS	SWL-3	491637003	9/30/2019	Ce-141	1.14E+00	1.43E+00	4.20E+00 U
WS	SWL-3	491637003	9/30/2019	Ce-144	1.21E+00	3.95E+00	1.27E+01 U
WS	SWL-3	491637003	9/30/2019	Co-57	7.87E-01	5.44E-01	1.69E+00 U
WS	SWL-3	491637003	9/30/2019	Co-58	-5.35E-01	1.25E+00	1.81E+00 U
WS	SWL-3	491637003	9/30/2019	Co-60	1.56E+00	6.56E-01	2.08E+00 U
WS	SWL-3	491637003	9/30/2019	Cr-51	-5.46E+00	6.76E+00	2.21E+01 U
WS	SWL-3	491637003	9/30/2019	Cs-134	-6.42E-01	5.96E-01	1.76E+00 U
WS	SWL-3	491637003	9/30/2019	Cs-137	9.99E-01	5.85E-01	1.87E+00 U
WS	SWL-3	491637003	9/30/2019	Fe-59	3.72E-01	1.24E+00	4.24E+00 U
WS	SWL-3	491637003	9/30/2019	I-131	-3.76E+00	2.93E+00	9.10E+00 U
WS	SWL-3	491637003	9/30/2019	K-40	-3.46E+01	1.53E+01	2.78E+01 U
WS	SWL-3	491637003	9/30/2019	La-140	4.60E-01	1.92E+00	5.65E+00 U
WS	SWL-3	491637003	9/30/2019	Mn-54	-1.12E+00	5.78E-01	1.47E+00 U
WS	SWL-3	491637003	9/30/2019	Nb-95	-8.66E-01	1.05E+00	1.93E+00 U
WS	SWL-3	491637003	9/30/2019	Ru-103	-1.14E+00	7.47E-01	2.19E+00 U
WS	SWL-3	491637003	9/30/2019	Ru-106	3.69E+00	4.71E+00	1.56E+01 U
WS	SWL-3	491637003	9/30/2019	Sb-124	-2.04E+00	1.60E+00	4.52E+00 U
WS	SWL-3	491637003	9/30/2019	Sb-125	-3.64E+00	1.60E+00	4.14E+00 U
WS	SWL-3	491637003	9/30/2019	Se-75	-1.90E+00	1.16E+00	2.54E+00 U
WS	SWL-3	491637003	9/30/2019	Th-228	-7.21E-01	1.88E+00	4.20E+00 U
WS	SWL-3	491637003	9/30/2019	Zn-65	2.31E+00	1.29E+00	3.94E+00 U
WS	SWL-3	491637003	9/30/2019	Zr-95	2.21E-01	1.11E+00	3.62E+00 U
WS	SWL-3	491637004	9/30/2019	H-3	1.90E+02	2.08E+02	6.31E+02 U
WS	SWL-2	494979001	10/31/2019	Ac-228	7.34E+00	3.92E+00	5.96E+00 UI
WS	SWL-2	494979001	10/31/2019	Ag-108m	-2.46E-01	3.05E-01	9.82E-01 U
WS	SWL-2	494979001	10/31/2019	Ag-110m	-5.23E-01	5.23E-01	1.55E+00 U
WS	SWL-2	494979001	10/31/2019	Ba-140	2.82E+00	3.51E+00	1.17E+01 U
WS	SWL-2	494979001	10/31/2019	Be-7	3.22E+00	3.64E+00	1.22E+01 U
WS	SWL-2	494979001	10/31/2019	Ce-141	-2.10E+00	1.59E+00	2.93E+00 U
WS	SWL-2	494979001	10/31/2019	Ce-144	1.82E+00	2.65E+00	8.50E+00 U
WS	SWL-2	494979001	10/31/2019	Co-57	-1.48E-01	3.40E-01	1.08E+00 U
WS	SWL-2	494979001	10/31/2019	Co-58	6.19E-02	4.57E-01	1.32E+00 U
WS	SWL-2	494979001	10/31/2019	Co-60	-1.25E+00	7.47E-01	1.28E+00 U
WS	SWL-2	494979001	10/31/2019	Cr-51	-7.22E+00	4.96E+00	1.53E+01 U
WS	SWL-2	494979001	10/31/2019	Cs-134	-2.15E+00	9.63E-01	1.34E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	494979001	10/31/2019	Cs-137	-4.81E-01	7.37E-01	1.28E+00 U
WS	SWL-2	494979001	10/31/2019	Fe-59	1.18E-01	9.86E-01	3.35E+00 U
WS	SWL-2	494979001	10/31/2019	I-131	4.52E+00	2.26E+00	7.09E+00 U
WS	SWL-2	494979001	10/31/2019	K-40	-2.36E+00	8.80E+00	2.16E+01 U
WS	SWL-2	494979001	10/31/2019	La-140	-3.05E+00	1.56E+00	4.00E+00 U
WS	SWL-2	494979001	10/31/2019	Mn-54	1.83E-01	3.65E-01	1.19E+00 U
WS	SWL-2	494979001	10/31/2019	Nb-95	-1.03E+00	8.64E-01	1.41E+00 U
WS	SWL-2	494979001	10/31/2019	Ru-103	-8.84E-01	5.46E-01	1.60E+00 U
WS	SWL-2	494979001	10/31/2019	Ru-106	-1.17E+00	3.41E+00	1.10E+01 U
WS	SWL-2	494979001	10/31/2019	Sb-124	-4.68E-01	1.12E+00	3.56E+00 U
WS	SWL-2	494979001	10/31/2019	Sb-125	5.18E-01	9.63E-01	3.25E+00 U
WS	SWL-2	494979001	10/31/2019	Se-75	3.02E-01	5.23E-01	1.80E+00 U
WS	SWL-2	494979001	10/31/2019	Th-228	7.27E-01	1.53E+00	2.92E+00 U
WS	SWL-2	494979001	10/31/2019	Zn-65	1.77E+00	9.50E-01	2.84E+00 U
WS	SWL-2	494979001	10/31/2019	Zr-95	6.58E-01	7.51E-01	2.46E+00 U
WS	SWL-3	494979002	10/31/2019	Ac-228	2.91E+00	4.21E+00	5.72E+00 U
WS	SWL-3	494979002	10/31/2019	Ag-108m	1.00E-01	3.25E-01	1.08E+00 U
WS	SWL-3	494979002	10/31/2019	Ag-110m	4.59E-01	4.90E-01	1.66E+00 U
WS	SWL-3	494979002	10/31/2019	Ba-140	-2.83E+00	3.78E+00	1.18E+01 U
WS	SWL-3	494979002	10/31/2019	Be-7	4.32E-01	3.93E+00	1.30E+01 U
WS	SWL-3	494979002	10/31/2019	Ce-141	4.79E-01	1.84E+00	2.89E+00 U
WS	SWL-3	494979002	10/31/2019	Ce-144	2.08E-01	2.70E+00	8.68E+00 U
WS	SWL-3	494979002	10/31/2019	Co-57	-4.29E-02	3.61E-01	1.16E+00 U
WS	SWL-3	494979002	10/31/2019	Co-58	-5.74E-01	4.25E-01	1.31E+00 U
WS	SWL-3	494979002	10/31/2019	Co-60	1.11E-01	3.66E-01	1.21E+00 U
WS	SWL-3	494979002	10/31/2019	Cr-51	4.47E+00	5.06E+00	1.70E+01 U
WS	SWL-3	494979002	10/31/2019	Cs-134	-6.00E-01	4.21E-01	1.28E+00 U
WS	SWL-3	494979002	10/31/2019	Cs-137	-2.25E-01	4.03E-01	1.26E+00 U
WS	SWL-3	494979002	10/31/2019	Fe-59	-5.88E-01	9.44E-01	3.02E+00 U
WS	SWL-3	494979002	10/31/2019	I-131	-1.67E+00	2.09E+00	6.74E+00 U
WS	SWL-3	494979002	10/31/2019	K-40	-2.24E+01	9.97E+00	1.81E+01 U
WS	SWL-3	494979002	10/31/2019	La-140	-1.52E+00	2.25E+00	4.43E+00 U
WS	SWL-3	494979002	10/31/2019	Mn-54	-3.25E-01	3.65E-01	1.18E+00 U
WS	SWL-3	494979002	10/31/2019	Nb-95	1.51E-01	4.24E-01	1.36E+00 U
WS	SWL-3	494979002	10/31/2019	Ru-103	3.43E-01	5.51E-01	1.63E+00 U
WS	SWL-3	494979002	10/31/2019	Ru-106	2.53E+00	3.60E+00	1.17E+01 U
WS	SWL-3	494979002	10/31/2019	Sb-124	-1.05E+00	1.12E+00	3.14E+00 U
WS	SWL-3	494979002	10/31/2019	Sb-125	3.08E-01	1.03E+00	3.42E+00 U
WS	SWL-3	494979002	10/31/2019	Se-75	2.39E-01	5.34E-01	1.83E+00 U
WS	SWL-3	494979002	10/31/2019	Th-228	-2.73E+00	1.44E+00	2.84E+00 U
WS	SWL-3	494979002	10/31/2019	Zn-65	3.69E-01	7.96E-01	2.67E+00 U
WS	SWL-3	494979002	10/31/2019	Zr-95	-2.00E+00	1.58E+00	2.50E+00 U
WS	SWL-2	498062001	11/30/2019	Ac-228	-8.14E+00	5.67E+00	1.26E+01 U
WS	SWL-2	498062001	11/30/2019	Ag-108m	5.28E-01	6.99E-01	2.36E+00 U
WS	SWL-2	498062001	11/30/2019	Ag-110m	-2.34E-01	1.21E+00	3.91E+00 U
WS	SWL-2	498062001	11/30/2019	Ba-140	7.32E+00	1.09E+01	3.61E+01 U
WS	SWL-2	498062001	11/30/2019	Be-7	-5.25E+00	9.63E+00	2.99E+01 U
WS	SWL-2	498062001	11/30/2019	Ce-141	-5.99E-01	2.15E+00	6.87E+00 U
WS	SWL-2	498062001	11/30/2019	Ce-144	1.15E+01	6.16E+00	1.95E+01 U
WS	SWL-2	498062001	11/30/2019	Co-57	-4.84E-01	7.52E-01	2.38E+00 U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	498062001	11/30/2019	Co-58	2.08E+00	1.16E+00	3.97E+00 U
WS	SWL-2	498062001	11/30/2019	Co-60	-2.02E+00	1.08E+00	2.49E+00 U
WS	SWL-2	498062001	11/30/2019	Cr-51	1.91E+02	5.38E+01	4.11E+01 UI
WS	SWL-2	498062001	11/30/2019	Cs-134	5.61E-01	1.05E+00	3.56E+00 U
WS	SWL-2	498062001	11/30/2019	Cs-137	-1.00E+00	9.57E-01	2.45E+00 U
WS	SWL-2	498062001	11/30/2019	Fe-59	2.73E+00	2.76E+00	8.50E+00 U
WS	SWL-2	498062001	11/30/2019	I-131	-1.42E+01	7.58E+00	2.01E+01 U
WS	SWL-2	498062001	11/30/2019	K-40	8.38E+00	1.55E+01	4.92E+01 U
WS	SWL-2	498062001	11/30/2019	La-140	-4.16E+00	4.37E+00	1.24E+01 U
WS	SWL-2	498062001	11/30/2019	Mn-54	-1.01E-01	9.02E-01	2.95E+00 U
WS	SWL-2	498062001	11/30/2019	Nb-95	4.01E+00	3.33E+00	3.00E+00 UI
WS	SWL-2	498062001	11/30/2019	Ru-103	-6.50E-01	1.16E+00	3.11E+00 U
WS	SWL-2	498062001	11/30/2019	Ru-106	-1.60E+01	7.80E+00	1.91E+01 U
WS	SWL-2	498062001	11/30/2019	Sb-124	6.46E+00	4.03E+00	8.99E+00 U
WS	SWL-2	498062001	11/30/2019	Sb-125	3.48E+00	2.36E+00	7.35E+00 U
WS	SWL-2	498062001	11/30/2019	Se-75	-1.17E+00	1.21E+00	3.84E+00 U
WS	SWL-2	498062001	11/30/2019	Th-228	5.72E-01	2.88E+00	6.35E+00 U
WS	SWL-2	498062001	11/30/2019	Zn-65	-1.91E-01	2.37E+00	7.55E+00 U
WS	SWL-2	498062001	11/30/2019	Zr-95	-2.28E+00	2.06E+00	5.05E+00 U
WS	SWL-3	498062002	11/30/2019	Ac-228	-1.16E+01	5.70E+00	1.19E+01 U
WS	SWL-3	498062002	11/30/2019	Ag-108m	1.56E+00	8.41E-01	2.77E+00 U
WS	SWL-3	498062002	11/30/2019	Ag-110m	1.53E+00	1.26E+00	4.43E+00 U
WS	SWL-3	498062002	11/30/2019	Ba-140	-1.82E+01	1.15E+01	3.07E+01 U
WS	SWL-3	498062002	11/30/2019	Be-7	2.49E+00	9.92E+00	3.30E+01 U
WS	SWL-3	498062002	11/30/2019	Ce-141	-2.70E+00	2.49E+00	7.39E+00 U
WS	SWL-3	498062002	11/30/2019	Ce-144	1.59E+00	6.22E+00	2.01E+01 U
WS	SWL-3	498062002	11/30/2019	Co-57	-9.30E-01	9.07E-01	2.74E+00 U
WS	SWL-3	498062002	11/30/2019	Co-58	6.74E-01	1.03E+00	3.59E+00 U
WS	SWL-3	498062002	11/30/2019	Co-60	-8.04E-01	1.10E+00	3.10E+00 U
WS	SWL-3	498062002	11/30/2019	Cr-51	1.45E+00	1.23E+01	4.17E+01 U
WS	SWL-3	498062002	11/30/2019	Cs-134	1.70E+00	1.01E+00	3.51E+00 U
WS	SWL-3	498062002	11/30/2019	Cs-137	2.33E+00	1.11E+00	3.37E+00 U
WS	SWL-3	498062002	11/30/2019	Fe-59	-2.00E+00	3.11E+00	8.26E+00 U
WS	SWL-3	498062002	11/30/2019	I-131	-7.47E+00	6.94E+00	2.12E+01 U
WS	SWL-3	498062002	11/30/2019	K-40	3.78E+01	1.84E+01	2.87E+01 UI
WS	SWL-3	498062002	11/30/2019	La-140	7.48E-01	3.37E+00	1.16E+01 U
WS	SWL-3	498062002	11/30/2019	Mn-54	-4.13E-01	9.63E-01	3.15E+00 U
WS	SWL-3	498062002	11/30/2019	Nb-95	-2.41E-01	9.09E-01	3.02E+00 U
WS	SWL-3	498062002	11/30/2019	Ru-103	-2.17E+00	1.35E+00	3.64E+00 U
WS	SWL-3	498062002	11/30/2019	Ru-106	-4.44E+00	8.79E+00	2.71E+01 U
WS	SWL-3	498062002	11/30/2019	Sb-124	-3.81E-01	2.74E+00	9.08E+00 U
WS	SWL-3	498062002	11/30/2019	Sb-125	-1.85E-01	2.64E+00	7.77E+00 U
WS	SWL-3	498062002	11/30/2019	Se-75	1.87E+00	1.35E+00	4.58E+00 U
WS	SWL-3	498062002	11/30/2019	Th-228	4.43E+00	3.24E+00	5.10E+00 U
WS	SWL-3	498062002	11/30/2019	Zn-65	-4.64E+00	2.80E+00	7.21E+00 U
WS	SWL-3	498062002	11/30/2019	Zr-95	3.02E-01	1.91E+00	6.55E+00 U
WS	SWL-2	500191001	12/31/2019	Ac-228	-1.05E-01	3.91E+00	1.21E+01 U
WS	SWL-2	500191001	12/31/2019	Ag-108m	1.26E-01	5.98E-01	1.99E+00 U
WS	SWL-2	500191001	12/31/2019	Ag-110m	7.37E-02	1.08E+00	3.66E+00 U
WS	SWL-2	500191001	12/31/2019	Ba-140	1.50E+01	1.12E+01	3.75E+01 U



SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-2	500191001	12/31/2019	Bc-7	3.61E+00	7.91E+00	2.64E+01 U
WS	SWL-2	500191001	12/31/2019	Ce-141	-5.30E+00	3.13E+00	6.43E+00 U
WS	SWL-2	500191001	12/31/2019	Ce-144	-1.05E+00	5.87E+00	1.64E+01 U
WS	SWL-2	500191001	12/31/2019	Co-57	9.06E-01	6.82E-01	2.16E+00 U
WS	SWL-2	500191001	12/31/2019	Co-58	4.77E-01	7.91E-01	2.76E+00 U
WS	SWL-2	500191001	12/31/2019	Co-60	2.44E+00	1.52E+00	2.50E+00 U
WS	SWL-2	500191001	12/31/2019	Cr-51	-1.41E+01	1.20E+01	3.68E+01 U
WS	SWL-2	500191001	12/31/2019	Cs-134	1.69E-01	8.11E-01	2.70E+00 U
WS	SWL-2	500191001	12/31/2019	Cs-137	-3.69E-01	9.35E-01	2.40E+00 U
WS	SWL-2	500191001	12/31/2019	Fe-59	1.43E+00	2.15E+00	7.38E+00 U
WS	SWL-2	500191001	12/31/2019	I-131	-9.44E+00	8.44E+00	2.58E+01 U
WS	SWL-2	500191001	12/31/2019	K-40	2.08E+01	1.52E+01	2.36E+01 U
WS	SWL-2	500191001	12/31/2019	La-140	4.57E-01	4.43E+00	1.44E+01 U
WS	SWL-2	500191001	12/31/2019	Mn-54	-9.96E-02	7.51E-01	2.53E+00 U
WS	SWL-2	500191001	12/31/2019	Nb-95	6.42E-01	1.18E+00	3.83E+00 U
WS	SWL-2	500191001	12/31/2019	Ru-103	-1.05E+00	1.10E+00	3.32E+00 U
WS	SWL-2	500191001	12/31/2019	Ru-106	-4.49E+00	6.50E+00	1.97E+01 U
WS	SWL-2	500191001	12/31/2019	Sb-124	-3.48E-01	1.97E+00	6.17E+00 U
WS	SWL-2	500191001	12/31/2019	Sb-125	3.41E-01	2.04E+00	6.80E+00 U
WS	SWL-2	500191001	12/31/2019	Se-75	2.79E-01	1.04E+00	3.56E+00 U
WS	SWL-2	500191001	12/31/2019	Th-228	-1.38E+00	1.71E+00	5.09E+00 U
WS	SWL-2	500191001	12/31/2019	Zn-65	8.01E-01	1.96E+00	5.90E+00 U
WS	SWL-2	500191001	12/31/2019	Zr-95	-3.40E+00	1.89E+00	4.62E+00 U
WS	SWL-2	500191002	12/31/2019	H-3	8.93E+01	1.50E+02	4.80E+02 U
WS	SWL-3	500191003	12/31/2019	Ac-228	-9.14E+00	4.62E+00	9.70E+00 U
WS	SWL-3	500191003	12/31/2019	Ag-108m	-5.88E-01	5.75E-01	1.75E+00 U
WS	SWL-3	500191003	12/31/2019	Ag-110m	-1.05E+00	9.80E-01	2.97E+00 U
WS	SWL-3	500191003	12/31/2019	Ba-140	1.46E+00	1.10E+01	3.59E+01 U
WS	SWL-3	500191003	12/31/2019	Bc-7	-1.48E+00	6.63E+00	2.14E+01 U
WS	SWL-3	500191003	12/31/2019	Ce-141	-9.95E+00	3.39E+00	5.56E+00 U
WS	SWL-3	500191003	12/31/2019	Ce-144	-3.43E+00	4.32E+00	1.34E+01 U
WS	SWL-3	500191003	12/31/2019	Co-57	1.02E-01	5.39E-01	1.76E+00 U
WS	SWL-3	500191003	12/31/2019	Co-58	-2.18E+00	1.22E+00	2.50E+00 U
WS	SWL-3	500191003	12/31/2019	Co-60	1.20E+00	1.10E+00	2.33E+00 U
WS	SWL-3	500191003	12/31/2019	Cr-51	9.59E+00	1.04E+01	3.52E+01 U
WS	SWL-3	500191003	12/31/2019	Cs-134	2.18E+00	1.25E+00	2.50E+00 U
WS	SWL-3	500191003	12/31/2019	Cs-137	8.14E-02	6.85E-01	2.19E+00 U
WS	SWL-3	500191003	12/31/2019	Fe-59	-3.51E+00	2.13E+00	5.66E+00 U
WS	SWL-3	500191003	12/31/2019	I-131	-4.42E-01	7.30E+00	2.43E+01 U
WS	SWL-3	500191003	12/31/2019	K-40	-3.97E+00	1.15E+01	3.46E+01 U
WS	SWL-3	500191003	12/31/2019	La-140	1.78E+00	3.90E+00	1.33E+01 U
WS	SWL-3	500191003	12/31/2019	Mn-54	1.61E-01	7.37E-01	2.20E+00 U
WS	SWL-3	500191003	12/31/2019	Nb-95	1.02E+00	8.61E-01	2.95E+00 U
WS	SWL-3	500191003	12/31/2019	Ru-103	7.92E-02	1.07E+00	3.12E+00 U
WS	SWL-3	500191003	12/31/2019	Ru-106	4.00E+00	6.60E+00	2.15E+01 U
WS	SWL-3	500191003	12/31/2019	Sb-124	-1.30E+00	2.12E+00	6.62E+00 U
WS	SWL-3	500191003	12/31/2019	Sb-125	3.78E-01	1.83E+00	6.07E+00 U
WS	SWL-3	500191003	12/31/2019	Se-75	7.71E-01	9.58E-01	3.28E+00 U
WS	SWL-3	500191003	12/31/2019	Th-228	5.08E+00	2.78E+00	4.97E+00 UI
WS	SWL-3	500191003	12/31/2019	Zn-65	3.93E-01	1.57E+00	5.18E+00 U

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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/L)	STD.DEV. (pCi/L)	MDC FLAGS (pCi/L)
WS	SWL-3	500191003	12/31/2019	Zr-95	-2.75E+00	1.58E+00	4.39E+00 U
WS	SWL-3	500191004	12/31/2019	H-3	1.20E+02	1.21E+02	3.79E+02 U

**U:** Target isotope was analyzed for but not detected above the MDC and LLD.

**UI:** Uncertain identification for gamma spectroscopy.

**X:** Lab-specific qualifier (see data summary package for narrative).

**M:** Reported result is less than the LLD and greater than the MDC.

**DL:** Measured MDC is greater than the LLD.

## **APPENDIX E**

### **Pre-Operational Radiological Monitoring Program**

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

This appendix details information obtained during the conduct of a Pre-Operational Radiological Monitoring Program (PRMP) at the Donald C. Cook Nuclear Plant (CNP) from August 1971 until the initial criticality of Unit 1 on January 18, 1975. Program-related samples were analyzed by the Eberline Instrument Corporation and a summary of these results are presented below. This information was utilized during the evaluation of CNP's 2019 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<sup>3</sup> 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<sup>3</sup> 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<sup>3</sup>.

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

Direct Radiation:

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

Milk Samples:

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

Lake Water Samples:

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

Lake Sediment Samples:

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

Fish Samples:

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

Drinking Water Samples:

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

**APPENDIX F**

**NEI GROUNDWATER PROTECTION INITIATIVE**

### Analysis of the Sample Data

The Groundwater Protection Initiative (GPI) Sample Data for 2019 indicates no groundwater contamination in excess of the reporting threshold of  $2.00\text{E-}5$   $\mu\text{Ci/mL}$  for tritium. Gamma spectroscopy was performed on all Radiological Environmental Monitoring Program wells quarterly. Those results are not actual GPI results so are not included in the ARERR, but are part of CNP's 2019 Annual Radiological Environmental Operating Report. There were no positively identified gamma radionuclides from plant effluents detected in any of the GPI well samples, and one well with trace levels of tritium just above detection limits.

The LLD value used for tritium counting of the samples varied between  $9.45\text{E-}7$  and  $9.98\text{E-}7$   $\mu\text{Ci/mL}$ , depending on which scintillation counter was used. This is well below the required maximum LLD value of  $2.00\text{E-}6$   $\mu\text{Ci/mL}$  per the ODCM.

No tritium values were found significantly above the LLD for 2019, though values found above the LLD are not abnormal, unexpected, or inconsistent with past sampling history. The samples observed above the 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 2019 results were within expected parameters considering the reduction in tritium released to the Absorption Pond and typical rainfall recapture of tritium experienced.

Wells located inside the Protected Area of the plant are subject to recapture deposition of tritium and may show occasional sample results above LLD values following rainfalls and snow melt. The results observed in 2019 continue to reflect normal expectations and behaviors as they relate to recaptured tritium for the weather conditions observed. Wells OW-1 and MW-28 lie close to the vent stacks in the predominant wind directions, so it is expected to observe recaptured tritium from precipitation periodically.

The sample data indicates that no radioactive spills or unidentified leaks have occurred in 2019 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.

## 2019 GPI Sample Data

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

Date	MW-22D	MW-22M	MW-22S	MW-24D	MW-24M	MW-24S	MW-25D	MW-25M
02/28/2019							<LLD	<LLD
03/18/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD		
04/26/2019							<LLD	<LLD
05/17/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD		
08/28/2019	<LLD	<LLD	<LLD	<LLD	<LLD *	<LLD	<LLD	<LLD
11/19/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD

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

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

## 2019 GPI Sample Data

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

## MW-25S through MW-27S continued

Date	MW-25S	MW-26D	MW-26M	MW-26S	MW-27D	MW-27M	MW-27S
02/28/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
04/26/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
08/28/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD
11/19/2019	<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.)



## 2019 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
01/07/2019					<LLD			
01/09/2019						<LLD	<LLD	
01/15/2019	<LLD	<LLD	<LLD	<LLD				
04/01/2019					<LLD			
04/04/2019						<LLD	<LLD	
04/08/2019	<LLD	<LLD	<LLD	<LLD				
07/09/2019					<LLD			
07/16/2019						<LLD	<LLD	
07/17/2019	<LLD	<LLD	<LLD	<LLD				
10/07/2019					<LLD			
10/08/2019						<LLD		
10/09/2019	<LLD	<LLD	<LLD	<LLD				

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

## 2019 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
01/15/2019		<LLD			
02/28/2019	<LLD	<LLD	<LLD	1.20e-6	<LLD
03/27/2019				1.34e-6 *	<LLD
03/31/2019	2.66e-6	<LLD	<LLD		
04/06/2019	<LLD *				
04/08/2019		<LLD			
04/27/2019			<LLD	1.05e-6	<LLD
05/16/2019	<LLD		<LLD	1.08e-6	<LLD
06/28/2019			<LLD	1.08e-6	<LLD *
07/25/2019		<LLD *			
08/23/2019	<LLD	<LLD		<LLD	<LLD
09/17/2019	<LLD	<LLD	<LLD	1.02e-6	<LLD
11/01/2019	<LLD		<LLD	1.25e-6	<LLD

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

## 2019 GPI Sample Data

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

Date	W-1	W-2	W-3	W-4	W-5	W-6	W-7	W-8
01/08/2019	<LLD	<LLD	<LLD					<LLD
01/09/2019							<LLD	
01/15/2019				<LLD	<LLD	<LLD		
04/03/2019	<LLD	<LLD	<LLD					<LLD
04/08/2019				<LLD	<LLD	<LLD	<LLD	
06/12/2019				<LLD				
07/16/2019		<LLD	<LLD				<LLD	
07/17/2019								<LLD
07/25/2019				<LLD	<LLD	<LLD		
10/08/2019							<LLD	
10/09/2019		<LLD	<LLD					
11/04/2019	<LLD			<LLD	<LLD	<LLD		
Date	W-9	W-10	W-11	W-12	W-13	W-14	W-15	
01/08/2019	<LLD							
01/09/2019		<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
04/03/2019	<LLD							
04/04/2019		<LLD	<LLD	<LLD				
04/08/2019					<LLD	<LLD	<LLD	
07/16/2019	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	<LLD	
10/08/2019					<LLD	<LLD		
10/09/2019	<LLD	<LLD	<LLD	<LLD			<LLD	

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