Keith J. Polson
Senior Vice President and CNO

DTE Energy Company
6400 N. Dixie Highway, Newport, MI 48166
Tel: 734.586.6515 Fax: 734.586.1431
Email: keith.polson@dteenergy.com

DTE Energy

TS 5.6.2
TS 5.6.3
10 CFR 72.44(d)(3)

April 30, 2018
NRC-18-0026

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Subject: Annual Radioactive Effluent Release Report
and Radiological Environmental Operating Report

Reference: Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-43

In accordance with Technical Specifications (TS) 5.6.2 and 5.6.3, DTE Electric Company hereby submits the Annual Radioactive Effluent Release Report and the Annual Radiological Environmental Operating Report for Fermi 2. Enclosure 1 provides the 2017 Annual Radioactive Effluent Release Report. Enclosure 2 provides the 2017 Annual Radiological Environmental Operating Report. Both reports cover the time period from January 1, 2017 through December 31, 2017.

Enclosure 1 also includes the Independent Spent Fuel Storage Installation (ISFSI) Environmental Report as required by 10 CFR 72.44(d)(3). The ISFSI Environmental Report covers the time period from January 1, 2017 through December 31, 2017.

Should you have any questions regarding these reports, please contact Mr. Richard LaBurn, Manager - Radiation Protection at (734) 586-4974.

Sincerely,

Keith J. Polson
Site Vice President

Enclosures: 1) Annual Radioactive Effluent Release Report
2) Annual Radiological Environmental Operating Report

cc: NRC Project Manager
NRC Resident Office
Reactor Projects Chief, Branch 5, Region III
Regional Administrator, Region III
Michigan Public Service Commission,
Regulated Energy Division (kindschl@michigan.gov)

Enclosure 1 to
NRC-18-0026

Fermi 2 – 2017
Annual Radioactive Effluent Release Report

FERMI 2 NUCLEAR POWER PLANT

DTE Electric Company

OPERATING LICENSE NO. NPF - 43

Fermi 2 - 2017 Annual
Radioactive Effluent Release Report

for the period of
January 1, 2017 through December 31, 2017

Prepared by:

Fermi 2
Radiological Engineering

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Executive Summary

This report is published to provide information regarding radioactive effluent monitoring at the Fermi 2 nuclear power plant, including the Independent Spent Fuel Storage Installation (ISFSI). The 2017 Annual Radioactive Effluent Release Report covers the period from January 1, 2017 through December 31, 2017.

The Radioactive Effluent Release Report is produced annually, to document plant releases and offsite dose resulting from these releases. The data presented indicate that the operation of Fermi 2 results in offsite radiation exposures that are well below the applicable allowable levels set by the Nuclear Regulatory Commission (NRC) and the Environmental Protection Agency (EPA).

There were no releases of liquid radioactive effluents from Fermi 2 in 2017. Data on releases of radioactive isotopes in gaseous effluents, as well as regulatory limits and sampling methods for these releases, are contained in the body of the report and in Appendix A.

Regulatory limits for radioactive effluents pertain to allowable offsite doses rather than to quantities of radioactivity released. The highest potential single organ dose to a person living offsite due to iodines, particulates, tritium, and carbon-14 released from the plant was calculated to be 0.773 mrem, which is 5.2% of the applicable limit found in 10 CFR Part 50, Appendix I.

During 2017, no direct radiation dose to members of the public beyond the site boundary was attributed to the operation of Fermi 2, based on analysis of readings of thermoluminescent dosimeters (TLDs) placed at various locations near the Fermi site. The offsite dose due to effluents is a small fraction of the 40 CFR 190 limits. Therefore, the combined direct radiation and effluent dose due to Fermi 2 was in compliance with 40 CFR 190 in 2017.

Data on radioactivity contained in radioactive waste shipments from Fermi 2 to points offsite are contained in the body of the report and in Appendix A. Appendix B of this report describes the Fermi Integrated Ground Water Protection Program. This program was established as part of the site's commitment to conformance with an industry-wide ground water protection initiative. This appendix also contains the results of 2017 quarterly ground water sampling, from approximately 60 monitor wells around Fermi 2 (ground water sampling has been performed under this program since the fall of 2007). Some of these monitor wells, primarily to the east and south of Fermi 2, have yielded sporadic trace quantities of tritium that have been attributed to the recapture of tritium in precipitation from the plant's monitored gaseous effluent. Appendix C of this report provides data on tritium concentrations in rainwater samples collected onsite which represent this recapture phenomenon (NRC RIS 08-03). Appendix D of this report contains the meteorological joint frequency distribution tables for 2017. Additional sections of the report address Offsite Dose Calculation Manual (ODCM) required monitors which were out of service for more than 30 days in 2017, major changes in radioactive waste processing, the contents of outside temporary tanks, abnormal releases, errata to previous years' reports, and ISFSI monitoring.

Introduction

During the normal operation of a nuclear power plant, most of the fission products are retained within the fuel and fuel cladding. However, small amounts of radioactive fission products and trace amounts of the component and structure surface corrosion products that have been activated are present in the primary coolant water, as well as tritium and carbon-14. The five types of radioactive material released are noble gases, iodines, particulates, tritium, and carbon-14.

Noble Gases

Some of the fission products released in airborne effluents are radioactive isotopes of noble gases, such as xenon and krypton. These noble gases are released continuously at low levels while the reactor is operating. Noble gas releases to the environment are reduced by plant systems which delay release of these gases from the plant, which allows a portion of the noble gas activity to decay within plant systems prior to release.

Noble gases are biologically and chemically nonreactive and are readily dispersed in the atmosphere. They do not concentrate in humans or other organisms; however, they contribute to human radiation dose by being an external source of radiation exposure to the body.

Iodines and Particulates

Fermi 2 calculates offsite dose due to releases of iodine-131 and iodine-133, which are radioisotopes of iodine with half-lives of 8 days and 1 day, respectively, and particulates with half-lives greater than 8 days in gaseous and liquid effluents, and tritium. The principal radioactive particulates released are fission products (e.g., yttrium-91m and barium-139) and activation products (e.g., cobalt-58 and cobalt-60). Gaseous and liquid processing systems, and radioactive waste systems, minimize their discharge.

The main contribution of radioactive iodine to human radiation dose is to the thyroid gland, where the body concentrates iodine. This exposure results from inhalation or ingestion of these iodines. Radioactive isotopes such as cesiums and cobalts, when ingested or inhaled, contribute to radiation exposure of tissues such as the muscle, liver, and intestines. These iodines and particulates are also a source of external radiation exposure if deposited on the ground.

Tritium

Tritium, a radioactive isotope of hydrogen, is the predominant radionuclide in radioactive gaseous effluents. It is released at Fermi 2 primarily from ventilation exhaust systems. A much smaller amount of tritium was released from vents on top of the Condensate Storage and Condensate Return Tanks, and was calculated based on tank concentrations and changes in tank levels. These tank releases were 5.13E-3 Curies (Ci), 4.87E-3 Ci, 8.18E-3 Ci, and 5.70E-3 Ci for the first through fourth quarters of 2017, respectively. The total tritium release values are shown in Table 4.

Carbon-14

U.S. nuclear power plants are expected to report releases of carbon-14 (C-14). The releases reported are based on calculations involving the thermal power rating of the unit and 2017 monthly capacity factors. These calculations conform to a method recommended by the Electric Power Research Institute (EPRI). The calculations performed for this report estimated a total 2017 C-14 release of 15.6 curies.

Plant Effluent Monitoring

Effluents are strictly monitored to ensure that radioactivity released to the environment is as low as reasonably achievable and does not exceed regulatory limits. Effluent control includes the operation of monitoring systems, in-plant and environmental sampling and analyses programs, quality assurance programs for effluent and environmental programs, and procedures covering all aspects of effluent and environmental monitoring.

The radioactive waste treatment systems at Fermi 2 are designed to collect, process, and/or delay the release of liquid and gaseous wastes that contain radioactivity. For example, the 2.0 and 2.2 minute holdup pipes delay the release of radioactive gases so that radioactive decay can occur prior to release. The offgas system provides additional delay for such gases.

Radioactivity monitoring systems are used to verify that all releases are below regulatory limits. These instruments provide a continuous indication of radioactivity present at the release points. Each instrument is equipped with alarms and indicators in the control room. The alarm setpoints are low enough to ensure that applicable limits will not be exceeded. In some cases, these alarms restrict the release. For example, several alarms cause building ventilation systems to be shut down and/or gaseous releases to be diverted to the standby gas treatment system.

All liquid and gaseous radioactive effluents are evaluated to identify the specific concentrations of radionuclides being released. Sampling and analysis provide a more sensitive and precise method of determining effluent composition than monitoring instruments.

A meteorological tower is located on the Fermi 2 site. It is linked to computers that record the meteorological data. These data are used in calculating dispersion and deposition factors, which are essentially dilution factors between plant release points and points offsite. Coupled with the effluent release data, these factors are used to calculate dose to the public.

Beyond the plant, devices maintained in conjunction with the Radiological Environmental Monitoring Program constantly sample the air in the surrounding environment. Also, frequent samples of other environmental media, such as water and vegetation, are collected to verify that the station radiological effluent program is being appropriately implemented without adverse impact to the surrounding environment.

Exposure Pathways to People

Radiological exposure pathways define the methods by which people may become exposed to radioactive material. The major pathways of concern are those that could cause the highest calculated radiation dose. These projected pathways are determined from the type and amount of radioactive material released, the environmental transport mechanism, and the use of the environment. The environmental transport mechanism includes consideration of physical factors, such as the hydrological and meteorological characteristics of the area.

An important factor in evaluating the exposure pathways is the use of the environment. This is evaluated in the annual Land Use Census. Many factors are considered, such as the locations of homes, gardens, and milk or meat animals in the area.

The release of radioactive gaseous effluents involves pathways such as external whole body exposure, deposition of radioactive material on plants, deposition on soil, inhalation and ingestion by animals raised for human consumption, and inhalation by humans. The release of radioactive material in liquid effluents involves pathways such as drinking water and fish consumption.

Although radionuclides can reach humans by many different pathways, some result in greater dose than others. The most significant pathway is the exposure pathway that will provide the greatest dose to a population, or to a specific individual. Identification of the most significant pathway depends on the radionuclides involved, the age and diet of the individual, and the location of the individual's residence. Doses delivered to the total body and to specific organs are calculated. The organ receiving the greatest dose is important in determining compliance with dose limits. The standard assumptions used in dose calculation result in conservative dose estimates.

Dose Assessment

Dose is energy deposited by radiation in an exposed individual. Whole body exposure to radiation involves the exposure of all organs. Most exposures due to external sources of radiation are of this type. Both non-radioactive and radioactive elements can enter the body through inhalation or ingestion. When they do, they are usually not distributed evenly. For example, iodine concentrates in the thyroid gland, cesium collects in muscle and liver tissue, and strontium collects in bone tissue.

The total dose to organs from a given radionuclide depends on the amount of radioactive material present in the organ and the amount of time that the radionuclide remains in the organ. Some radionuclides remain for very short times due to their rapid radioactive decay and/or elimination rate from the body, while other radionuclides may remain in the body for longer periods of time. The form of the radionuclide (soluble vs. insoluble) and the method of uptake also influence residence times in the body.

The maximum dose to the general public in the area surrounding Fermi 2 is calculated for periods of gaseous release and for each liquid release. The dose due to radioactive material released in gaseous effluents is calculated using factors such as the amount of radioactive material released, the concentration beyond the site boundary, the locations of exposure pathways (for example cow milk, goat milk, vegetable gardens and residences), and usage factors (inhalation and food consumption). The dose due to radioactive material released in liquid effluents may be calculated using factors such as radionuclide concentrations, the total volume of liquid released, the total volume of dilution water, near field dilution, and usage factors (water and fish consumption). These calculations produce a conservative estimation of the dose.

For 2017, the maximum offsite dose was assumed to be received by a child at the closest residence to the plant, who was exposed by the inhalation, ground plane, and vegetation pathways. (As previously noted, there were no liquid radioactive effluent pathways to consider in 2017.) Although there may not be a child living at this residence in any given year, the use of this age group provides conservative dose estimates for comparison with regulatory limits. Similarly, the calculation of dose due to vegetation ingestion (from a garden) at this residence may not apply in any given year, but it also leads to conservative dose estimates. The use of dose pathways and age groups which may be hypothetical is consistent with federal regulatory guidance and with industry practices.

Radioactive Effluent Monitoring Results

This section summarizes the results of effluent monitoring and offsite dose calculation for the year 2017. Calculated offsite doses are compared with Nuclear Regulatory Commission limits, and these limits are summarized in Appendix A. Appendix A also contains a detailed discussion of the methods used to determine quantities of radioactivity released in effluents, the types of solid radioactive waste shipped offsite, as well as tables of individual radionuclides released in effluents and shipped as solid radioactive waste. There were no routine or abnormal releases of liquid radioactive effluents from Fermi 2 in 2017. There has not been a routine liquid radioactive discharge from Fermi 2 since 1994.

The data in the following gaseous effluent tables represent continuous and batch releases. In 2017, there were five recorded batch releases (containment purges) in which radioactivity was detected. In 2017, the only radionuclide detected in batch releases was tritium: 9.70 E-4 Ci were released in this way. The total length of these purges was 6964 minutes; the average length was 1393 minutes; the shortest purge 130 minutes; and the longest purge was 3443 minutes. The amount of radioactivity released in containment purges is very small compared with the amount released in continuous releases.

Differences in the quarterly release quantities shown below are primarily due to variable plant conditions. For example, increases in noble gas releases in the first quarter of 2017 were due to a fuel rod defect prior to bundle removal during Refueling Outage (RF18), and increases in long lived particulate releases in the fourth quarter of 2017 were attributed to a reactor water cleanup system outage. Increases in long lived particulate releases may also be associated with outage

work activities, and increases in radioiodine releases are often associated with plant start up or shut down.

Table 1 - Fission and Activation Gases (Noble Gases) Summary

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Release (curies)	2.48E+00	8.63E-01	8.33E-01	3.78E-01
Average Release Rate for Period (µCi/sec)	3.19E-01	1.10E-01	1.05E-01	4.75E-02

Table 2 - Radioiodines Summary

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Total I-131 (curies)	5.46E-04	1.84E-04	3.43E-04	1.87E-03
Average Release Rate for Period (µCi/sec)	7.02E-05	2.34E-05	4.31E-05	2.35E-04

Table 3 - Particulates Summary

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Particulates with half lives > 8 days (curies)	4.81E-03	3.54E-03	6.89E-03	1.81E-02
Average Release Rate for Period (µCi/sec)	6.18E-04	4.50E-04	8.67E-04	2.28E-03
Gross Alpha Radioactivity	<5.6E-15* uCi/cc	<5.6E-15* uCi/cc	<5.6E-15* uCi/cc	<5.6E-15* uCi/cc

*In the above table, the "less than" value in units of microcuries per cubic centimeter (µCi/cc) is used when no radioactivity was detected and represents the lower limit of detection (LLD) value for a single sample.

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Table 4 - Tritium (H-3) and Carbon-14 (C-14) Summary

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Total H-3 Release (curies)	6.41E+01	2.24E+01	1.49E+01	3.31E+01
Average H-3 Release Rate (µCi/sec)	8.24E+00	2.85E+00	1.87E+00	4.16E+00
Total C-14 Release (curies)	3.56E+00	3.38E+00	4.47E+00	4.15E+00
Average C-14 Release Rate (µCi/sec)	4.58E-01	4.30E-01	5.62E-01	5.22E-01

The offsite dose impact of the above releases was evaluated by calculating organ doses to the assumed most highly exposed individual (a child) living near the plant due to I-131, I-133, H-3, C-14 and particulates with half lives greater than 8 days. The most significant pathways of exposure to this individual are assumed to be inhalation, vegetation ingestion, and direct radiation from material deposited on the ground. The results of this calculation, which employs conservative assumptions, are shown in the following table:

Table 5

Organ	2017 Gaseous Effluent Dose to Receptor with Highest Single Organ Dose
Bone	7.73E-01 mrem
Liver	3.40E-01 mrem
Thyroid	3.81E-01 mrem
Kidney	3.37E-01 mrem
Lung	3.39E-01 mrem
GI-LLI	3.46E-01 mrem
Total body	3.42E-01 mrem

The highest single organ dose is 7.73E-01 mrem to the bone. This is 5.2% of the federal limit of 15 mrem specified in 10 CFR 50, Appendix I. (The Fermi 2 Offsite Dose Calculation Manual requires maximum receptor dose calculation for releases of I-131, I-133, H-3, and particulates with half lives greater than 8 days; for these isotopes, the thyroid is the highest dose organ. When C-14 is added, bone becomes the highest dose organ.)

In addition, gamma and beta air dose at the site boundary due to noble gases was calculated. In 2017, gamma air dose was 5.01E-04 mrad, 0.005% of the 10 mrad annual limit; beta air dose in 2017 was 2.42E-04 mrad, 0.001% of the 20 mrad annual limit.

Title 40, Part 190 of the Code of Federal Regulations requires that dose to an individual in the unrestricted area from the uranium fuel cycle, including direct radiation dose, be limited to 25 mrem/year to the total body and 75 mrem/year to the thyroid. During 2017, there was no direct radiation dose attributed to the operation of Fermi 2 beyond the site boundary, based on analysis of offsite Thermolucent Dosimetry (TLD) readings. Based on Table 5 above, the offsite dose due to effluents is 1.38% and 0.48% of 40 CFR 190 limits for the total body and thyroid, respectively. Also, Fermi 1 was not monitored for effluents in 2017 since no work was performed in a Fermi 1 Radiological Controlled Area (RCA) that would require ventilation and make detectable effluent releases likely.

The next closest uranium fuel cycle facility, the Davis-Besse Nuclear Plant, is similar to Fermi in that it releases low amounts of radioactive material, but it is too far from Fermi to contribute significantly to Fermi area doses. Therefore, Fermi 2 was in compliance with the fuel cycle limits of 40 CFR 190 in 2017.

Potential dose to members of the public at Fermi 2 due to all radioactive effluents, including noble gases, was also calculated. Fermi 2 considers persons touring the site (16 hours/year), and persons performing work onsite but not employed by Fermi 2, either directly or under contract, (400 hours/year), to be exposed as members of the public. Using reasonable assumptions about these categories of members of the public, the maximum potential dose to a member of the public at Fermi 2 in 2017 was 2.79E-03 mrem to the maximally exposed organ (thyroid) and 2.31E-03 mrem to the total body. These doses are below the annual maximum offsite doses due to gaseous effluents shown in Table 5, and are very small fractions of the 100 mrem/year limit for individual members of the public due to licensed operation of the plant provided in 10 CFR 20.1301.

Summary of Radioactive Waste Shipments

The radioactivity and volume of Fermi 2 solid waste shipped offsite in 2017 is summarized in the following table:

Table 6 - Waste Shipped Offsite

Type of Waste	Units	12 Month Period	Est. total activity error, %
Spent resins, sludges, etc.	Cubic Meter (m3) curies	9.07E+01 4.54E+02	± 25
Dry compressible waste, contaminated equipment, etc.	m3 curies	2.82E+03 8.28E+00	± 25
Irradiated components, control rods, etc.	m3 curies	0 0	N/A
Other			
Filters	m3 curies	3.41E+00 7.59E+01	± 25
Oil / Mixed Waste	m3 curies	3.98E+01 4.97E-02	± 25

Radioactive solid waste shipments from Fermi 2 in 2017 (to either disposal or to intermediate processors) are summarized in the following table:

Table 7 – Waste shipments

Number of shipments	Mode of transportation	Destination
18	Highway	Energy Solutions, CWF, Clive, UT
47	Highway	Energy Solutions, BCO, Oak Ridge, TN
4	Highway	Energy Solutions, GRF, Kingston, TN
1	Highway	Energy Solutions, TF, Clive, UT

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Appendices

Appendix A, Effluent and Radioactive Waste Data, provides more detailed data on radiological effluents and radioactive waste shipments. Appendix B contains a description of the Fermi 2 Integrated Groundwater Protection Program, 2017 sampling data for this program, and a discussion of sampling results. Appendix C contains data on tritium concentrations in rainwater collected onsite and explains the significance of these data. Appendix D contains meteorological joint frequency distributions of wind speed and wind direction by atmospheric stability class, for all of 2017.

ODCM Monitors Out of Service

On August 9, 2017 during the performance of Fermi 2 surveillance procedure 44.080.211, Radioactive Waste (RW) Building Ventilation Exhaust Process Radiation Monitoring System Functional Test, a damper did not operate correctly. The West Train of the RW Building Heating Ventilation and Air Conditioning (RWHVAC) system damper V4100F008 did not close. The damper's solenoid did not operate correctly due to a leak on the solenoid. The air supply to the damper's solenoid was isolated, the damper shut and the solenoid was replaced on August 11, 2017. The Station Particulate, Iodine and Noble Gas (SPING) monitor was fully functional. The ODCM states that functionally capable includes the requirements of the channel functional test which includes the requirement to demonstrate automatic isolation. Since isolation did not occur until air to the solenoid was isolated, the automatic isolation requirement of the channel functional test was not met for the RW Building Ventilation Exhaust Process Radiation Monitoring System.

Outside Temporary Tanks

In 2017 no outside temporary tank exceeded the 10 curie content limit for nuclides other than tritium and dissolved or entrained noble gases.

Major Changes to Radioactive Waste Systems

The conveyors for the radwaste drum handling system were removed and the area in which they were located was repurposed. This modification isolated the storage area of this system from the Radwaste Building and made it part of the Office Service Building.

Abnormal Radiological Releases

There were no abnormal radiological releases in 2017.

Errata/Corrections to Previous ARERRs

There are no errata for the 2016 Annual Radioactive Effluent Release Report.

Independent Spent Fuel Storage Installation (ISFSI)

As required by 10 CFR 72.44(d)(3), Fermi reports any detected effluent releases from the ISFSI. None were detected in over the previous 12-month monitoring period. Fermi has collected quarterly water samples from storm water Outfall 014 since fuel has been stored on the pad. This is relevant because water collected by the under-drain system at the periphery of the pad is routed through Outfall 014 to the overflow canal. No plant related radioactivity was detected in these samples in 2017, other than one analysis which was positive for tritium and can be attributed to recapture of legally released effluents. The TLDs placed around the ISFSI showed slight increases in direct radiation, as expected. However, no TLDs showed such increases in occupied areas offsite, as was noted above in the previous discussion of doses to members of the public in unrestricted areas. Since there was no detection of radioactive effluents or direct radiation from the ISFSI installation in 2017, it may be concluded that the limits specified in 10 CFR 72.104(a) for radiation dose to the public (25 mrem/year to the whole body and 75 mrem/year to the thyroid—the same as the 40 CFR 190 limits) have not been exceeded due to the existence of the ISFSI installation.

Appendix A

Effluent and Radioactive Waste Data

Regulatory Limits for Radioactive Effluents

The Nuclear Regulatory Commission (NRC) limits on liquid and gaseous effluents are incorporated into the Fermi 2 Offsite Dose Calculation Manual. These limits prescribe the maximum doses and dose rates due to radioactive effluents resulting from normal operation of Fermi 2. These limits are described in the following sections.

A. Gaseous Effluents

I. Dose rate due to radioactivity released in gaseous effluents to areas at and beyond the site boundary shall be limited to the following:

   a) Noble gases

      Less than or equal to 500 mrem/year to the total body.
      Less than or equal to 3000 mrem/year to the skin.

   b) Iodine-131, iodine-133, tritium, and for all radionuclides in particulate form with half lives greater than 8 days

      Less than or equal to 1500 mrem/year to any organ.

II. Air dose due to noble gases to areas at and beyond the site boundary shall be limited to the following:

   a) Less than or equal to 5 mrad for gamma radiation
      Less than or equal to 10 mrad for beta radiation
      - During any calendar quarter

   b) Less than or equal to 10 mrad for gamma radiation
      Less than or equal to 20 mrad for beta radiation
      - During any calendar year

III. Dose to a member of the public from iodine-131, iodine-133, tritium, and all radionuclides in particulate form with half lives greater than 8 days in gaseous effluents released to areas at and beyond the site boundary shall be limited to the following:

a) Less than or equal to 7.5 mrem to any organ
- During any calendar quarter

b) Less than or equal to 15 mrem to any organ
- During any calendar year

Note: The calculated site boundary dose rates for Fermi 2 are based on identification of individual isotopes and on use of dose factors specific to each identified isotope or a highly conservative dose factor. Since individual isotopes are identified, average energy values are not used in these calculations, and therefore are not reported even though their use in these calculations is allowed by Regulatory Guide 1.21.

B. Liquid Effluents

I. The concentration of radioactive material released in liquid effluents to unrestricted areas shall be limited to ten times the concentrations specified in Title 10 of the Code of Federal Regulations (10 CFR) Part 20 (Standards for Protection Against Radiation), Appendix B, Table 2, Column 2 for radionuclides other than dissolved or entrained noble gases, as required by the Fermi 2 Offsite Dose Calculation Manual. For dissolved or entrained noble gases, the concentration shall be limited to 2E-4 (.0002) microcuries/ml total activity. This limit is based on the Xe-135 air submersion dose limit converted to an equivalent concentration in water as discussed in the International Commission on Radiological Protection (ICRP) Publication 2.

II. The dose or dose commitment to a member of the public from radioactive materials in liquid effluents released to unrestricted areas shall be limited to the following:

a) Less than or equal to 1.5 mrem to the total body
Less than or equal to 5 mrem to any organ
- During any calendar quarter

b) Less than or equal to 3 mrem to the total body
Less than or equal to 10 mrem to any organ
- During any calendar year

As noted previously, Fermi 2 did not perform radioactive liquid releases in 2017.

Measurements and Approximations of Total Activity in Radioactive Effluents

As required by NRC Regulatory Guide 1.21, this section describes the methods used to measure the total radioactivity in effluent releases and to estimate the overall errors associated with these measurements. The effluent monitoring systems are described in Chapter 11.4 of the Fermi 2 Updated Final Safety Analysis Report (UFSAR).

A. Gaseous Effluents

I. Fission and Activation Gases

Samples are obtained from each of the six plant radiation monitors which continuously monitor the five ventilation exhaust points. The fission and activation gases are quantified by gamma spectroscopy analysis of periodic samples.

The summary values reported are the sums of all fission and activation gases quantified at all monitored release points.

II. Radioiodines

Samples are obtained from each of the six plant radiation monitors which continuously monitor the five ventilation exhaust points. The radioiodines are entrained on charcoal and then quantified by gamma spectroscopy analysis. For each sample, the duration of sampling and continuous flow rate through the charcoal are used in determining the concentration of radioiodines. Then from the flow rate of the ventilation system, a rate of release can be determined.

The summary values reported are the sums of all radioiodines quantified at all continuously monitored release points.

III. Particulates

Samples are obtained from each of the six plant effluent radiation monitors which continuously monitor the five ventilation exhaust points. The particulates are collected on a filter and then quantified by gamma spectroscopy analysis.

For each sample, the duration of sampling and the continuous flow rate through the filter are used in determining the concentration of particulates. From the flow rate of the ventilation system, a rate of release can be determined.

Quarterly, the filters from each ventilation release point are composited and then radiochemically separated and analyzed for strontium (Sr)-89/90, iron (Fe)-55, and nickel (Ni)-63.

The summary values reported are the sums of all particulates quantified at all monitored release points.

IV. Tritium

Samples are obtained from each of the six plant effluent radiation monitors which continuously monitor the five ventilation exhaust points. The sample is passed through a bottle containing water and the gaseous tritium is collected in this water. Portions of the collecting water are analyzed for tritium using liquid scintillation counting techniques. For each sample, the duration of sample and sample flow rate is used to determine the radioactivity concentration. Then from the flow rate of the ventilation system, a release rate can be determined.

In addition to tritium releases from the five ventilation exhaust points, gaseous tritium releases from the Condensate Storage Tank and Condensate Return Tank have been calculated. These releases are due to evaporation of tritiated water in these tanks which is released through tank vents. However, this is not a significant release point for tritium, contributing well less than 1% of total tritium releases. These releases were calculated to total 3.86E-02 curies in 2017; adding them to reported tritium releases from the ventilation release points does not change the reported release quantities, which are greater than 10 curies in each quarter and are expressed to three significant digits.

The summary values reported are the sums of all tritium quantified at all monitored release points.

V. Gross Alpha

The gaseous particulate filters from the six plant effluent radiation monitors are stored for one week to allow for decay of naturally occurring alpha emitters. These filters are then analyzed for gross alpha radioactivity by gas proportional counting, and any

such radioactivity found is assumed to be plant related. The quantity of alpha emitters released can then be determined from sample flow rate, sample duration, and stack flow rate.

The summary values reported would be the sums of all alpha emitters quantified at all monitored release points. However, in 2017 alpha activity was not detected, i.e. was less than the critical level activity, in these particulate filters

VI. Carbon-14

Carbon-14 releases are calculated using a method published by the Electric Power Research Institute in December 2010. Plant rated thermal power and monthly capacity factors were used in the calculation of quarterly releases.

B. Liquid Effluents

The liquid radwaste processing system and the liquid effluent monitoring system are described in the Fermi 2 UFSAR. Fermi 2 did not perform any releases of radioactive liquid effluents in 2017.

C. Statistical Measurement Uncertainties

The statistical uncertainty of the measurements in this section has been calculated and is summarized in the following table:

Measurement Type	Sample Type	One Sigma Uncertainty
Fission and Activation Gases	Gaseous	30%
Radioiodines	Gaseous	17%
Particulates	Gaseous	16%
Tritium	Gaseous	25%
Gross Alpha	Gaseous	16%

Gaseous Releases by Individual Nuclide

Values in the following tables which are preceded by the “less than” symbol represent the lower limit of detection (LLD) in units of microcuries per cubic centimeter (µCi/cc) for individual samples, and indicate that the nuclide in question was not detected in gaseous effluent samples in the indicated quarter of 2017. For quantities of gross alpha radioactivity, tritium, and carbon-14 in gaseous effluents, see Tables 3 on page 9 and 4 on page 10 of the body of this report.

A. Particulate Radionuclides (Curies*)

Nuclide	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mn-54	1.04E-03	7.45E-04	1.33E-03	8.52E-04
Co-58	3.50E-04	2.69E-04	4.50E-04	3.53E-04
Co-60	1.97E-03	1.04E-03	1.91E-03	1.43E-02
Zn-65	7.48E-04	5.14E-04	9.37E-04	9.96E-04
Cr-51	1.11E-04	2.04E-04	7.02E-04	1.36E-04
Fe-59	5.50E-06	2.52E-05	9.32E-05	<7.3E-13
Ba-139	3.33E-02	3.02E-03	3.11E-02	1.47E-02
La-140	<9.5E-14	<9.5E-14	<9.5E-14	<9.5E-14
Ba-140	<1.6E-13	<1.6E-13	<1.6E-13	<1.6E-13
Y-91m	1.02E-03	<1.2E-11	1.09E-02	1.13E-03
Rb-89	<.5.4E-10	<.5.4E-10	<.5.4E-10	<.5.4E-10
Cs-138	1.93E-02	<4.2E-11	<4.2E-11	2.83E-02
Br-82	<1.9E-13	4.90E-05	3.34E-05	<1.9E-13
Sr-91	<2.7E-12	<2.7E-12	<2.7E-12	2.44E-02
Sr-89	4.60E-06	<3.3E-14	2.00E-05	1.82E-05
Sr-90	1.37E-06	<1.1E-14	<1.1E-14	1.27E-06
Fe-55	5.76E-04	7.38E-04	1.44E-03	1.45E-03
Ni-63	8.95E-06	8.03E-06	1.01E-05	7.87E-06
As-76	1.87E-03	2.05E-03	1.81E-03	1.44E-03
Tc-99m	4.89E-03	2.03E-03	3.57E-03	1.76E-03
Zn-69m	4.71E-03	3.37E-03	7.51E-03	6.40E-03
Mn-56	2.59E-02	2.03E-02	3.01E-02	2.13E-02
Na-24	5.88E-03	4.68E-03	1.22E-02	4.44E-03
Hg-199m	2.38E-02	6.90E-03	7.43E-02	2.89E-02
Mo-99	3.99E-04	<4.7E-12	8.42E-05	<4.7E-12
Rb-88	<3.1E-08	<3.1E-08	<3.1E-08	<3.1E-08
Re-188	2.08E-03	1.14E-03	3.96E-03	1.87E-03
Cs-134	<2.2E-13	<2.2E-13	<2.2E-13	<2.2E-13
Cs-137	<3.2E-13	<3.2E-13	<3.2E-13	<3.2E-13
Ce-141	<1.2E-13	<1.2E-13	<1.2E-13	<1.2E-13
Ce-143	<2.1E-13	<2.1E-13	<2.1E-13	<2.1E-13
Ce-144	<4.4E-13	<4.4E-13	<4.4E-13	<4.4E-13
Total	**1.28E-01**	**4.73E-02**	**1.82E-01**	**1.53E-01**

*Less than (<) values are in units of uCi/cc.

B. Noble Gases (Curies*)

Nuclide	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Ar-41	5.03E-01	5.43E-01	5.56E-01	2.48E-01
Kr-85m	1.39E-01	2.38E-01	1.69E-01	3.48E-02
Xe-135	7.84E-02	<3.5E-08	<3.5E-08	4.76E-02
Xe-135m	3.86E-01	<2.0E-06	<2.0E-06	<2.0E-06
Xe-133	1.37E+00	8.22E-02	1.08E-01	4.71E-02
Total	**2.48E+00**	**8.63E-01**	**8.33E-01**	**3.78E-01**

*Less than (<) values are in units of uCi/cc.

C. Radioiodines (Curies*)

Nuclide	Quarter 1	Quarter 2	Quarter 3	Quarter 4
I-131	5.46E-04	1.84E-04	3.43E-04	1.87E-03
I-132	<2.3E-12	<2.3E-12	8.30E-04	1.34E-03
I-133	2.26E-03	1.12E-03	1.91E-03	3.18E-03
I-134	<2.6E-11	<2.6E-11	<2.6E-11	<2.6E-11
I-135	<6.5E-12	<6.5E-12	1.46E-03	9.45E-04
Total	**2.81E-03**	**1.30E-03**	**4.54E-03**	**7.34E-03**

*Less than (<) values are in units of uCi/cc.

Shipments of Radwaste

Fermi 2 complies with the extensive federal regulations which govern radioactive waste shipments. Radioactive solid waste shipments from the Fermi 2 site consist of waste generated during water treatment, radioactive trash, irradiated components, etc. Shipment destinations are either a licensed burial site or intermediate processing facilities. Waste shipped to intermediate processing facilities is shipped directly from these facilities to a licensed burial site after processing. The following tables contain estimates of major nuclide composition, by class of waste, of Fermi 2 radwaste shipped offsite in 2017. The waste volumes shown in these tables are the volumes shipped, not the final volumes sent for burial after processing.

a. Spent resins, sludges, etc. Waste in this category in 2017 was Class A waste and consisted of spent resins and sludges. Spent resins were shipped in shielded transportation casks (1 Type B and 17 General Design Bulk Packages), directly to the Clive, UT burial facility. Spent resins were dewatered prior to shipment for disposal. All quantities were determined by measurement.

Spent resins, sludges, etc, (Class A)

Isotope	mCi	%
Ag-110m	5.17E+02	1.14E-01
Ba-140	4.56E-02	1.00E-05
C-14	2.61E+03	5.74E-01
Ce-144	1.56E+01	3.45E-03
Co-57	5.29E+00	1.17E-03
Co-58	8.96E+02	1.97E-01
Co-60	8.11E+04	1.79E+01
Cr-51	6.44E+02	1.42E-01
Cs-134	6.88E+01	1.51E-02
Cs-137	3.41E+02	7.52E-02
Fe-55	3.19E+05	7.03E+01
Fe-59	7.97E+02	1.76E-01
H-3	8.38E+01	1.85E-02
I-129	1.03E-01	2.27E-05
I-131	2.93E+00	6.45E-04
I-133	2.42E-04	5.33E-08
La-140	2.94E+01	6.47E-03
Mn-54	3.17E+04	6.99E+00
Na-24	8.52E-06	1.88E-09
Nb-95	2.79E+01	6.14E-03
Ni-59	4.82E+00	1.06E-03
Ni-63	3.11E+03	6.85E-01
Sb-124	5.62E+01	1.24E-02
Sb-125	1.38E+02	3.05E-02
Sn-113	1.33E+00	2.94E-04
Sr-89	5.58E+02	1.23E-01
Sr-90	8.94E+01	1.97E-02
Tc-99	4.35E+00	9.59E-04
Zn-65	1.22E+04	2.68E+00
Zr-95	4.78E+01	1.05E-02
Total Activity	4.54E+02	
Volume Shipped cubic meters	9.07E+01	

b. Dry compressible waste, contaminated equipment, etc. Waste in this category in 2017 was Class A waste and shipped in strong tight containers (97 General Design Bulk Packages) of various sizes or within shielded transportation casks (2 General Design Bulk Packages), and was classified as Dry Active Waste (DAW). DAW waste was shipped to an intermediate processor for processing, e.g. compaction or incineration. All quantities were determined by measurement.

Dry Active Waste (Class A)

Isotope	mCi	%
C-14	3.51E+01	4.24E-01
Co-58	3.74E+00	4.52E-02
Co-60	1.01E+03	1.22E+01
Cr-51	1.38E-01	1.67E-03
Cs-137	1.47E+00	1.78E-02
Fe-55	6.66E+03	8.05E+01
Fe-59	1.55E-01	1.87E-03
H-3	1.28E+02	1.55E+00
I-129	6.74E-07	8.14E-09
Mn-54	4.05E+02	4.89E+00
Ni-63	4.36E+01	5.27E-01
Sb-124	1.24E-02	1.50E-04
Tc-99	1.31E-03	1.58E-05
Zn-65	2.31E+01	2.79E-01
Total Activity	8.28E+03	
Volume Shipped cubic meters	2.82E+03	

c. Irradiated components, control rods, etc. - No waste for this category

d. Other – Filters/Oil/Mixed Waste, etc. Waste in this category in 2017 was Class A waste and shipped in strong tight containers (6 General Design Bulk Packages, 50 General Design Non-Bulk Packages) of various sizes or within shielded transportation casks (1 General Design Bulk Package). Waste was shipped to an intermediate processor for processing, e.g. compaction, incineration or treatment. All quantities were determined by measurement.

Isotope	mCi	%
C-14	2.57E-04	3.39E-07
Co-58	5.52E-03	7.27E-06
Co-60	1.10E+04	1.45E+01
Cr-51	1.12E-11	1.48E-14
Cs-134	2.64E+00	3.48E-03
Cs-137	1.65E+01	2.17E-02
Fe-55	6.32E+04	8.33E+01
Fe-59	4.44E-06	5.85E-09
H-3	1.83E+01	2.41E-02
I-129	2.04E-03	2.69E-06
Mn-54	7.85E+02	1.03E+00
Nb-95	3.04E-10	4.00E-13
Ni-63	8.36E+02	1.10E+00
Sb-124	1.32E-06	1.74E-09
Sb-125	2.92E+01	3.85E-02
Sn-113	1.31E-01	1.73E-04
Sr-90	6.19E-01	8.15E-04
Tc-99	1.33E-02	1.75E-05
Zn-65	1.71E+01	2.25E-02
Total Activity	7.60E+04	
Volume Shipped cubic meters	4.32E+01	

Appendix B

Ground Water Protection Program Data and Analysis

EXECUTIVE SUMMARY

Monitoring of groundwater wells at the Fermi site was conducted without incident in 2017. Analysis of periodic samples from these wells showed only four very minor positive tritium results, one in the first quarter, two in the second quarter, and one in the third quarter; there were no positive results in the fourth quarter.

All of these positive results were from wells located east of the plant, namely wells EF2-07-024S, EF2-07-025S and EF2-07-026S (see map in this appendix). The concentrations detected were 603 pCi/liter at well 24S, 511 and 698 pCi/liter at well 25S, and 389 pCi/liter at well 26S. Since these wells are downwind of the plant and near the largest tritium release point (the turbine building ventilation stack), and since they are both from the shallow aquifer, they are judged to be due to "washout" of tritiated water vapor by precipitation which then finds its way into shallow groundwater; such washout is a documented phenomenon and has been observed previously at Fermi and elsewhere. (All of the deep water aquifer samples were negative for tritium.) Therefore, there is no indication of any leak from plant systems into the groundwater at Fermi 2.

PROGRAM OVERVIEW

Quarterly sampling and gauging of the Fermi 2 Integrated Ground Water Protection Program (IGWPP) monitor wells continued uninterrupted in 2017.

Procedurally, each integrated groundwater protection program (IGWPP) specified monitor well is required to be sampled for tritium during each sample event. Monitor wells adjacent to plant systems where plant-related radioisotopes other than tritium are likely to be present are also sampled for plant-related gamma-emitting radioisotopes during each sample event. Furthermore, once per year water from three monitor wells most likely to be contaminated by leaked or spilled material may also be analyzed for hard-to-detect (HTD) radionuclides (e.g., Fe-55, Sr-89, and Sr-90).

Samples analyzed for gamma-emitting radionuclides, as well as HTDs, are counted to required environmental lower limits of detection (LLD) for each given radioisotope of interest, with the exception of La-140, Ba-140, and I-131 (due to their short half-lives). For tritium there is no required limit of detection under the IGWPP, beyond what is prescribed for ground water samples taken as part of the site's Radiological Environmental Monitoring Program (REMP). The REMP Lower Limit of Detection (LLD) is set at 2,000 pCi/L which is $1/10^{th}$ of the EPA's drinking water limit of 20,000 pCi/L. For all ground-water samples analyzed in 2017, Fermi 2's contract laboratory achieved MDCs lower than the requested tritium LLD of 500 pCi/L.

Sampling and gauging of the monitor wells installed at the Enrico Fermi Atomic Power Plant (Fermi 1) is part of the site Integrated Ground Water Protection Program. Most of the Fermi 1 monitor wells were installed to monitor ground water in the vicinity of the

facility as part of decommissioning and license termination work. With the Fermi 1 decommissioning project placed back in "passive" SAFSTOR decommissioning mode, this ongoing ground water monitoring was incorporated into the existing Fermi 2 IGWPP. Fermi 1 monitor wells are designated in the attached tables by the prefix "EFT-". Fermi 1 construction utilized silty-clay fill adjacent to the structures to bring the site up to the final grade. All shallow wells are screened in this material and they typically do not produce much water. Fermi 1 monitor wells are sampled semi-annually because the rates of lateral flow through the silty-clay are quite low, the facility is static with no work activity which could result in release of radioactive material, the levels of contamination remaining at the site are low, and no liquid wastes are stored at the facility.

RESULTS

Deep Wells (Table 8)

Tritium was not detected in any samples from the IGWPP deep monitor wells in 2017.

Plant-related gamma-emitting radioisotopes and hard-to-detect radioisotopes were not detected in any ground-water samples collected from deep monitor wells in 2017.

Shallow and Intermediate Wells (Table 9)

Most shallow monitor wells have consistently yielded results indicating that tritium is not present above the detection limit. As described in the Executive Summary, of the sampled wells shown in the table, only four samples from three wells produced results with tritium levels above the detection limit. These results were 603, 511, 698, and 389 pCi/liter, for an average of 550 pCi/liter. (This value is between the averages of 686 pCi/liter for eight positive samples in 2015 and 464 pCi/liter for two positive samples in 2016.)

Other Analytical Results

Plant-related gamma-emitting radioisotopes and hard-to-detect radioisotopes were not detected in any ground-water samples collected from shallow monitor wells in 2017. However, naturally occurring radioisotopes such as Bi-214 are occasionally identified in ground water samples. Such radioisotopes are normally found in the environment and are geological in origin.

DISCUSSION

Results of tritium analysis of ground water sampled in 2017 have shown that ground water from many of the site's wells have never yielded a positive result. In 2017, four positive ground water results for tritium were detected, the highest of which was 698 pCi/liter. The 2017 results are comparable to the range of values seen in previous years. Furthermore, since the Integrated Ground Water Protection Program was initiated in the fall of 2007, plant-related gamma isotopes and hard-to-detect isotopes have never been identified in ground-water samples from any of the monitor wells.

If the tritium found in ground water from shallow wells were attributable to a leaking plant system then one would expect the levels to steadily increase over time, especially during the winter when there is, normally, less recharge from surface water. Instead the results from shallow monitor wells show periodic low-level hits for tritium in ground water with no trend. This pattern is more consistent with what one would expect to see if the tritium were attributable to recapture (washout) in precipitation. Recapture of tritium emitted from nuclear power plant stacks in precipitation is well documented and these emissions are continuously monitored and reported annually by the utility as part of an approved effluents program. A tritium rain-water washout study performed at the Fermi site revealed that tritium is found in rain water collected at the site. Tritium activity in rain water samples, taken at the site over a period of two months as part of that study, ranged from approximately 400 pCi/L to 5,750 pCi/L in a rooftop sample near the turbine building vent (the tritium release point with the greatest quantity of tritium release).

Tritium activity was detected in 2017 above the minimum detectable activity (MDA) level in 19 precipitation and outfall samples ranging between 418 pCi/L and 1510 pCi/L (average 759 pCi/L). These concentrations are consistent with the four positive findings in the shallow groundwater wells, in that they were higher than and more frequently detected than groundwater concentrations, and were predominately found in downwind sectors. For more detail on tritium in precipitation samples taken at Fermi in 2017 see Appendix C of this report.

Data

Table 8: Deep Monitor Well Tritium Analysis Results for Year 2017 (Periodic Sample Events).

MONITOR WELL	QUARTER	QA TYPE	LAB ID	PARAMETER	PREFIX	VALUE	UNITS
EF2-07-001D	Q1	NORMAL	GEL	H-3	<	4.29E+02	pCi/L
EF2-07-001D	Q2	NORMAL	GEL	H-3	<	4.19E+02	pCi/L
EF2-07-001D	Q3	NORMAL	GEL	H-3	<	4.51E+02	pCi/L
EF2-07-001D	Q4	NORMAL	GEL	Note 2			
EF2-07-003D	Q1	NORMAL	GEL	H-3	<	4.24E+02	pCi/L
EF2-07-003D	Q2	NORMAL	GEL	H-3	<	4.31E+02	pCi/L
EF2-07-003D	Q3	NORMAL	GEL	H-3	<	4.43E+02	pCi/L
EF2-07-003D	Q4	NORMAL	GEL	Note 2			
EF2-07-004D	Q1	NORMAL	GEL	H-3	<	4.19E+02	pCi/L
EF2-07-004D	Q2	NORMAL	GEL	H-3	<	4.20E+02	pCi/L
EF2-07-004D	Q3	NORMAL	GEL	H-3	<	4.41E+02	pCi/L
EF2-07-004D	Q4	NORMAL	GEL	Note 2			
EF2-07-006D	Q1	NORMAL	GEL	H-3	<	4.26E+02	pCi/L
EF2-07-006D	Q1	DUPLICATE	GEL	H-3	<	2.83E+02	pCi/L
EF2-07-006D	Q2	NORMAL	GEL	H-3	<	4.19E+02	pCi/L
EF2-07-006D	Q3	NORMAL	GEL	H-3	<	4.46E+02	pCi/L
EF2-07-006D	Q4	NORMAL	GEL	Note 2			
EF2-07-008D	Q1	NORMAL	GEL	H-3	<	4.28E+02	pCi/L
EF2-07-008D	Q2	NORMAL	GEL	H-3	<	4.25E+02	pCi/L
EF2-07-008D	Q3	NORMAL	GEL	H-3	<	4.49E+02	pCi/L
EF2-07-008D	Q3	DUPLICATE	GEL	H-3	<	4.35E+02	pCi/L
EF2-07-008D	Q4	NORMAL	GEL	Note 2			
EF2-07-008D	Q4	DUPLICATE	GEL	Note 2			
EF2-07-009D	Q1	NORMAL	GEL	H-3	<	4.28E+02	pCi/L
EF2-07-009D	Q2	NORMAL	GEL	H-3	<	4.26E+02	pCi/L
EF2-07-009D	Q3	NORMAL	GEL	H-3	<	4.44E+02	pCi/L
EF2-07-009D	Q4	NORMAL	GEL	Note 2			
EF2-07-015D	Q1	NORMAL	GEL	H-3	<	4.28E+02	pCi/L
EF2-07-015D	Q2	NORMAL	GEL	H-3	<	4.31E+02	pCi/L
EF2-07-015D	Q3	NORMAL	GEL	H-3	<	4.56E+02	pCi/L
EF2-07-015D	Q4	NORMAL	GEL	Note 2			
EF2-07-020D	Q1	NORMAL	GEL	H-3	<	4.25E+02	pCi/L
EF2-07-020D	Q2	NORMAL	GEL	H-3	<	4.24E+02	pCi/L
EF2-07-020D	Q3	NORMAL	GEL	H-3	<	4.87E+02	pCi/L
EF2-07-020D	Q4	NORMAL	GEL	Note 2			
EF2-07-029D	Q1	NORMAL	GEL	H-3	<	2.84E+02	pCi/L
EF2-07-029D	Q2	NORMAL	GEL	H-3	<	3.77E+02	pCi/L
EF2-07-029D	Q3	NORMAL	GEL	H-3	<	4.95E+02	pCi/L
EF2-07-029D	Q4	NORMAL	GEL	H-3	<	4.23E+02	pCi/L
EFT-01D	Q2	NORMAL	GEL	H-3	<	3.73E+02	pCi/L
EFT-01D	Q4	NORMAL	GEL	H-3	<	4.14E+02	pCi/L
EFT-02D	Q2	NORMAL	GEL	H-3	<	3.80E+02	pCi/L
EFT-02D	Q4	NORMAL	GEL	H-3	<	4.46E+02	pCi/L
EFT-04D	Q2	NORMAL	GEL	H-3	<	3.73E+02	pCi/L

EFT-04D	Q4	NORMAL	GEL	H-3	<	4.07E+02	pCi/L
EFT-05D	Q2	NORMAL	GEL	H-3	<	4.43E+02	pCi/L

MONITOR WELL	EVENT ID	QA TYPE	LAB ID	PARAMETER	PREFIX	VALUE	UNITS
EFT-05D	Q4	NORMAL	GEL	H-3	<	4.06E+02	pCi/L
EFT-06D	Q2	NORMAL	GEL	H-3	<	4.43E+02	pCi/L
EFT-06D	Q4	NORMAL	GEL	H-3	<	4.06E+02	pCi/L
EFT-11D	Q2	NORMAL	GEL	H-3	<	4.32E+02	pCi/L
EFT-11D	Q4	NORMAL	GEL	H-3	<	4.10E+02	pCi/L
EFT-12D	Q2	NORMAL	GEL	H-3	<	4.50E+02	pCi/L
EFT-12D	Q4	NORMAL	GEL	H-3	<	4.05E+02	pCi/L

Table 9: Shallow and Intermediate Monitor Well Tritium Analysis Results for 2017 (Periodic Sample Events).

MONITOR WELL	QUARTER	QA TYPE	LAB ID	PARAMETER	PREFIX	VALUE	UNITS
EF2-07-002S	Q1	NORMAL	GEL	Note 1			
EF2-07-002S	Q2	NORMAL	GEL	Note 1			
EF2-07-002S	Q3	NORMAL	GEL	Note 1			
EF2-07-002S	Q4	NORMAL	GEL	Note 1			
EF2-07-003S	Q1	NORMAL	GEL	H-3	<	4.18E+02	pCi/L
EF2-07-003S	Q2	NORMAL	GEL	H-3	<	4.23E+02	pCi/L
EF2-07-003S	Q3	NORMAL	GEL	H-3	<	4.42E+02	pCi/L
EF2-07-003S	Q4	NORMAL	GEL	Note 2			
EF2-07-005S	Q1	NORMAL	GEL	H-3	<	4.24E+02	pCi/L
EF2-07-005S	Q2	NORMAL	GEL	H-3	<	4.27E+02	pCi/L
EF2-07-005S	Q3	NORMAL	GEL	H-3	<	4.53E+02	pCi/L
EF2-07-005S	Q4	NORMAL	GEL	Note 2			
EF2-07-007S	Q1	NORMAL	GEL	H-3	<	4.31E+02	pCi/L
EF2-07-007S	Q2	NORMAL	GEL	H-3	<	4.36E+02	pCi/L
EF2-07-007S	Q2	DUPLICATE	GEL	H-3	<	4.62E+02	pCi/L
EF2-07-007S	Q3	NORMAL	GEL	H-3	<	4.43E+02	pCi/L
EF2-07-007S	Q4	NORMAL	GEL	Note 2			
EF2-07-008S	Q1	NORMAL	GEL	H-3	<	4.20E+02	pCi/L
EF2-07-008S	Q2	NORMAL	GEL	H-3	<	4.33E+02	pCi/L
EF2-07-008S	Q3	NORMAL	GEL	H-3	<	4.60E+02	pCi/L
EF2-07-008S	Q4	NORMAL	GEL	Note 2			
EF2-07-012S	Q1	NORMAL	GEL	Note 3			
EF2-07-012S	Q2	NORMAL	GEL	H-3	<	4.29E+02	pCi/L
EF2-07-012S	Q3	NORMAL	GEL	H-3	<	4.57E+02	pCi/L
EF2-07-012S	Q4	NORMAL	GEL	Note 2			
EF2-07-013S	Q1	NORMAL	GEL	H-3	<	4.07E+02	pCi/L
EF2-07-013S	Q2	NORMAL	GEL	H-3	<	4.26E+02	pCi/L
EF2-07-013S	Q3	NORMAL	GEL	H-3	<	4.43E+02	pCi/L
EF2-07-013S	Q4	NORMAL	GEL	Note 2			
EF2-07-014S	Q1	NORMAL	GEL	H-3	<	4.11E+02	pCi/L
EF2-07-014S	Q2	NORMAL	GEL	H-3	<	4.23E+02	pCi/L
EF2-07-014S	Q3	NORMAL	GEL	H-3	<	4.47E+02	pCi/L
EF2-07-014S	Q4	NORMAL	GEL	Note 2			
EF2-07-015S	Q1	NORMAL	GEL	H-3	<	4.17E+02	pCi/L
EF2-07-015S	Q2	NORMAL	GEL	H-3	<	4.32E+02	pCi/L
EF2-07-015S	Q3	NORMAL	GEL	H-3	<	4.49E+02	pCi/L
EF2-07-015S	Q4	NORMAL	GEL	Note 2			
EF2-07-016S	Q1	NORMAL	GEL	H-3	<	4.27E+02	pCi/L
EF2-07-016S	Q1	DUPLICATE	GEL	H-3	<	4.28E+02	pCi/L
EF2-07-016S	Q2	NORMAL	GEL	H-3	<	4.29E+02	pCi/L
EF2-07-016S	Q3	NORMAL	GEL	H-3	<	4.26E+02	pCi/L
EF2-07-016S	Q4	NORMAL	GEL	Note 2			

MONITOR WELL	QUARTER	QA TYPE	LAB ID	PARAMETER	PREFIX	VALUE	UNITS
EF2-07-017S	Q1	NORMAL	GEL	H-3	<	4.25E+02	pCi/L
EF2-07-017S	Q2	NORMAL	GEL	H-3	<	4.30E+02	pCi/L
EF2-07-017S	Q2	DUPLICATE	GEL	H-3	<	4.46E+02	pCi/L
EF2-07-017S	Q3	NORMAL	GEL	H-3	<	4.30E+02	pCi/L
EF2-07-017S	Q4	NORMAL	GEL	Note 2			
EF2-07-018S	All	NORMAL		Note 4			
EF2-07-019S	Q1	NORMAL	GEL	Note 3			
EF2-07-019S	Q2	NORMAL	GEL	H-3	<	4.19E+02	pCi/L
EF2-07-019S	Q3	NORMAL	GEL	H-3	<	4.23E+02	pCi/L
EF2-07-019S	Q4	NORMAL	GEL	Note 2			
EF2-07-020S	Q1	NORMAL	GEL	H-3	<	1.90E+02	pCi/L
EF2-07-020S	Q2	NORMAL	GEL	H-3	<	3.82E+02	pCi/L
EF2-07-020S	Q3	NORMAL	GEL	H-3	<	3.96E+02	pCi/L
EF2-07-020S	Q4	NORMAL	GEL	Note 2			
EF2-07-021S	Q1	NORMAL	GEL	H-3	<	1.96E+02	pCi/L
EF2-07-021S	Q2	NORMAL	GEL	Note 3			
EF2-07-021S	Q3	NORMAL	GEL	H-3	<	3.93E+02	pCi/L
EF2-07-021S	Q4	NORMAL	GEL	Note 2			
EF2-07-022S	Q1	NORMAL	GEL	Note 3			
EF2-07-022S	Q2	NORMAL	GEL	Note 3			
EF2-07-022S	Q3	NORMAL	GEL	Note 3			
EF2-07-022S	Q4	NORMAL	GEL	Note 3			
EF2-07-023S	Q1	NORMAL	GEL	H-3	<	3.36E+02	pCi/L
EF2-07-023S	Q2	NORMAL	GEL	H-3	<	3.83E+02	pCi/L
EF2-07-023S	Q3	NORMAL	GEL	H-3	<	4.06E+02	pCi/L
EF2-07-023S	Q4	NORMAL	GEL	Note 2			
EF2-07-024S	Q1	NORMAL	GEL	H-3	<	3.95E+02	pCi/L
EF2-07-024S	Q2	NORMAL	GEL	H-3	<	3.78E+02	pCi/L
EF2-07-024S	Q3	NORMAL	GEL	H-3		6.03E+02	pCi/L
EF2-07-024S	Q4	NORMAL	GEL	Note 2			
EF2-07-025S	Q1	NORMAL	GEL	H-3		5.11E+02	pCi/L
EF2-07-025S	Q2	NORMAL	GEL	H-3		6.98E+02	pCi/L
EF2-07-025S	Q3	NORMAL	GEL	H-3	<	3.78E+02	pCi/L
EF2-07-025S	Q4	NORMAL	GEL	Note 2			
EF2-07-026S	Q1	NORMAL	GEL	Note 3			
EF2-07-026S	Q2	NORMAL	GEL	H-3		3.89E+02	pCi/L
EF2-07-026S	Q3	NORMAL	GEL	H-3	<	4.00E+02	pCi/L
EF2-07-026S	Q4	NORMAL		Note 3			
EF2-07-027S	Q1	NORMAL	GEL	H-3	<	2.87E+02	pCi/L
EF2-07-027S	Q2	NORMAL	GEL	H-3	<	3.68E+02	pCi/L
EF2-07-027S	Q2	DUPLICATE	GEL	H-3	<	3.98E+02	pCi/L
EF2-07-027S	Q3	NORMAL	GEL	H-3	<	3.97E+02	pCi/L
EF2-07-028S	Q1	NORMAL	GEL	H-3	<	2.81E+02	pCi/L
EF2-07-028S	Q2	NORMAL	GEL	H-3	<	3.78E+02	pCi/L
EF2-07-028S	Q3	NORMAL	GEL	H-3	<	4.99E+02	pCi/L
EF2-07-028S	Q3	DUPLICATE	GEL	H-3	<	4.89E+02	pCi/L

EF2-07-028S	Q4	NORMAL	GEL	H-3	<	4.04E+02	pCi/L

MONITOR WELL	QUARTER	QA TYPE	LAB ID	PARAMETER	PREFIX	VALUE	UNITS
EF2-07-029S	Q1	NORMAL	GEL	H-3	<	2.83E+02	pCi/L
EF2-07-029S	Q2	NORMAL	GEL	H-3	<	3.78E+02	pCi/L
EF2-07-029S	Q3	NORMAL	GEL	H-3	<	4.16E+02	pCi/L
EF2-07-029S	Q4	NORMAL	GEL	H-3	<	4.24E+02	pCi/L
EF2-07-031S	Q1	NORMAL	GEL	H-3	<	2.87E+02	pCi/L
EF2-07-031S	Q2	NORMAL	GEL	H-3	<	3.77E+02	pCi/L
EF2-07-031S	Q3	NORMAL	GEL	H-3	<	4.64E+02	pCi/L
EF2-07-031S	Q4	NORMAL	GEL	H-3	<	4.20E+02	pCi/L
MW-10	Q1	NORMAL	GEL	H-3	<	2.73E+02	pCi/L
MW-10	Q2	NORMAL	GEL	H-3	<	3.78E+02	pCi/L
MW-10	Q3	NORMAL	GEL	H-3	<	4.08E+02	pCi/L
MW-10	Q4	NORMAL	GEL	H-3	<	4.20E+02	pCI/L
MW-11	Q1	NORMAL	GEL	H-3	<	2.84E+02	pCi/L
MW-11	Q2	NORMAL	GEL	H-3	<	3.80E+02	pCi/L
MW-11	Q3	NORMAL	GEL	H-3	<	4.99E+02	pCi/L
MW-11	Q4	NORMAL	GEL	Note 2			
MW-18	Q1	NORMAL	GEL	H-3	<	2.84E+02	pCi/L
MW-18	Q2	NORMAL	GEL	H-3	<	3.74E+02	pCi/L
MW-18	Q3	NORMAL	GEL	H-3	<	4.17E+02	pCi/L
MW-18	Q4	NORMAL	GEL	H-3	<	4.58E+02	PCi/L
MW-21	Q1	NORMAL	GEL	H-3	<	2.70E+02	pCi/L
MW-21	Q2	NORMAL	GEL	H-3	<	3.73E+02	pCi/L
MW-21	Q3	NORMAL	GEL	H-3	<	4.89E+02	pCi/L
MW-21	Q4	NORMAL	GEL	H-3	<	4.35E+02	PCi/L
EFT-01S	Q2	NORMAL	GEL	H-3	<	3.75E+02	pCi/L
EFT-01S	Q4	NORMAL	GEL	H-3	<	4.38E+02	pCi/L
EFT-02S	Q2	NORMAL	GEL	H-3	<	3.75E+02	pCi/L
EFT-02S	Q4	NORMAL	GEL	H-3	<	4.28E+02	pCi/L
EFT-04S	Q2	NORMAL	GEL	H-3	<	4.37E+02	pCi/L
EFT-04S	Q4	NORMAL	GEL	H-3	<	4.16E+02	pCi/L
EFT-05S	Q2	NORMAL	GEL	H-3	<	4.53E+02	pCi/L
EFT-05S	Q4	NORMAL	GEL	H-3	<	4.10E+02	pCi/L
EFT-05S	Q4	DUPLICATE	GEL	H-3	<	4.09E+02	pCi/L
EFT-06S	Q2	NORMAL	GEL	H-3	<	4.39E+02	pCi/L
EFT-06S	Q4	NORMAL	GEL	H-3	<	4.09E+02	pCi/L
EFT-07S	Q2	NORMAL	GEL	H-3	<	4.50E+02	pCi/L
EFT-07S	Q2	DUPLICATE	GEL	H-3	<	4.53E+02	pCi/L
EFT-07S	Q4	NORMAL	GEL	H-3	<	4.09E+02	pCi/L
EFT-08S	Q2	NORMAL	GEL	H-3	<	4.48E+02	pCi/L
EFT-08S	Q4	NORMAL	GEL	H-3	<	4.15E+02	pCi/L
EFT-08SR	Q2	NORMAL	GEL	H-3	<	4.44E+02	pCi/L
EFT-08SR	Q4	NORMAL	GEL	H-3	<	4.09E+02	pCi/L
EFT-09S	Q2	NORMAL	GEL	H-3	<	4.41E+02	pCi/L
EFT-09S	Q4	NORMAL	GEL	H-3	<	3.66E+02	pCi/L
EFT-09S	Q4	DUPLICATE	GEL	H-3	<	4.08E+02	pCi/L
EFT-10S	Q2	NORMAL	GEL	H-3	<	4.51E+02	pCi/L

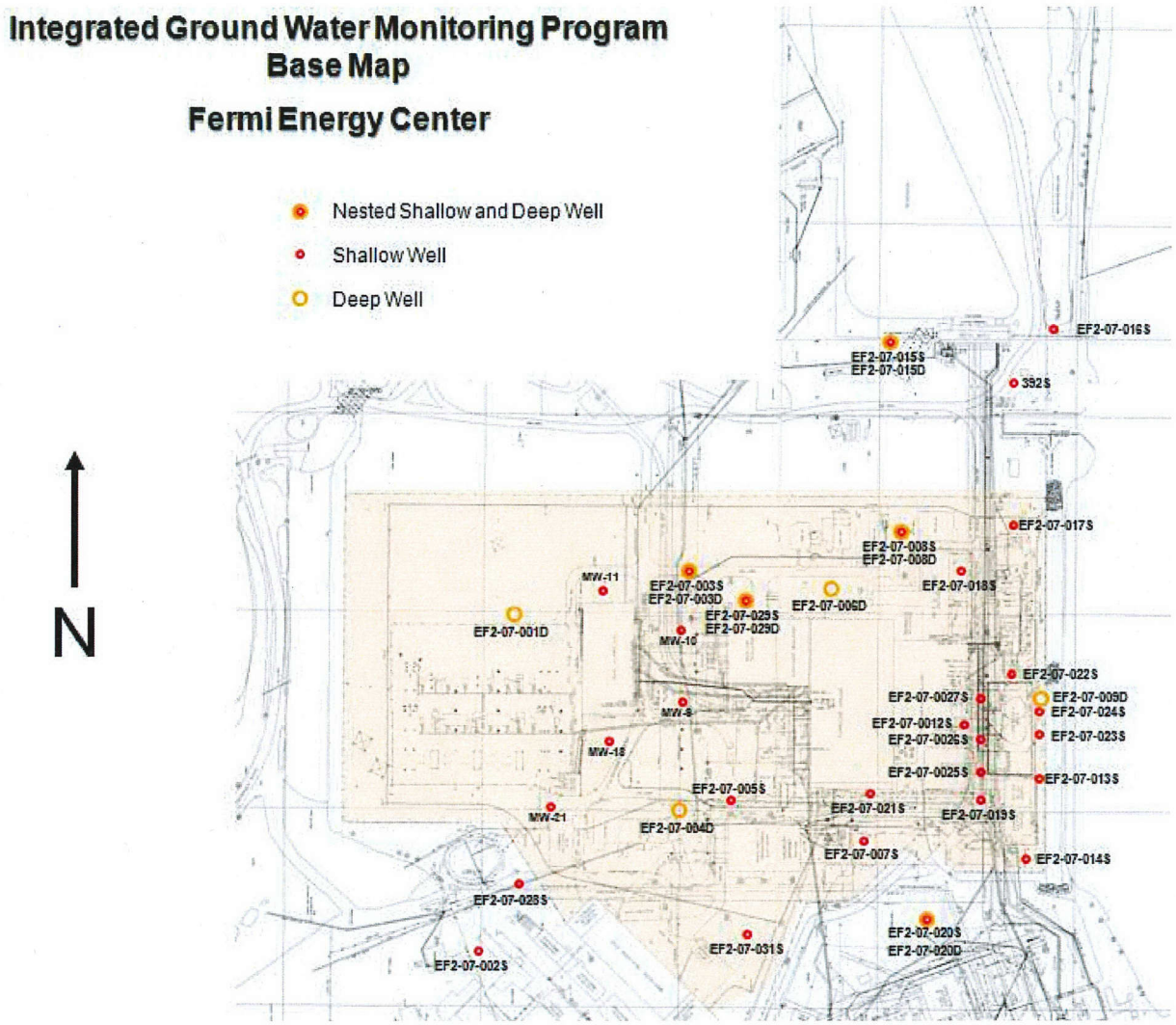
EFT-10S	Q4	NORMAL	GEL	H-3	<	4.02E+02	pCi/L
P-392S	Q1	NORMAL	GEL	H-3	<	4.17E+02	pCi/L

MONITOR WELL	QUARTER	QA TYPE	LAB ID	PARAMETER	PREFIX	VALUE	UNITS
P-392S	Q2	NORMAL	GEL	H-3	<	4.19E+02	pCi/L
P-392S	Q3	NORMAL	GEL	H-3	<	4.61E+02	pCi/L
P-392S	Q4	NORMAL	GEL	Note 2			
EFT-01I	Q2	NORMAL	GEL	H-3	<	3.76E+02	pCi/L
EFT-01I	Q4	NORMAL	GEL	H-3	<	4.38E+02	pCi/L
EFT-11I	Q2	NORMAL	GEL	H-3	<	4.54E+02	pCi/L
EFT-11I	Q4	NORMAL	GEL	H-3	<	4.09E+02	pCi/L
EFT-12I	Q2	NORMAL	GEL	H-3	<	4.50E+02	pCi/L
EFT-12I	Q4	NORMAL	GEL	H-3	<	3.91E+02	pCi/L
EFT-13I	Q2	NORMAL	GEL	Note 3			
EFT-13I	Q4	NORMAL	GEL	H-3	<	4.15E+02	pCi/L

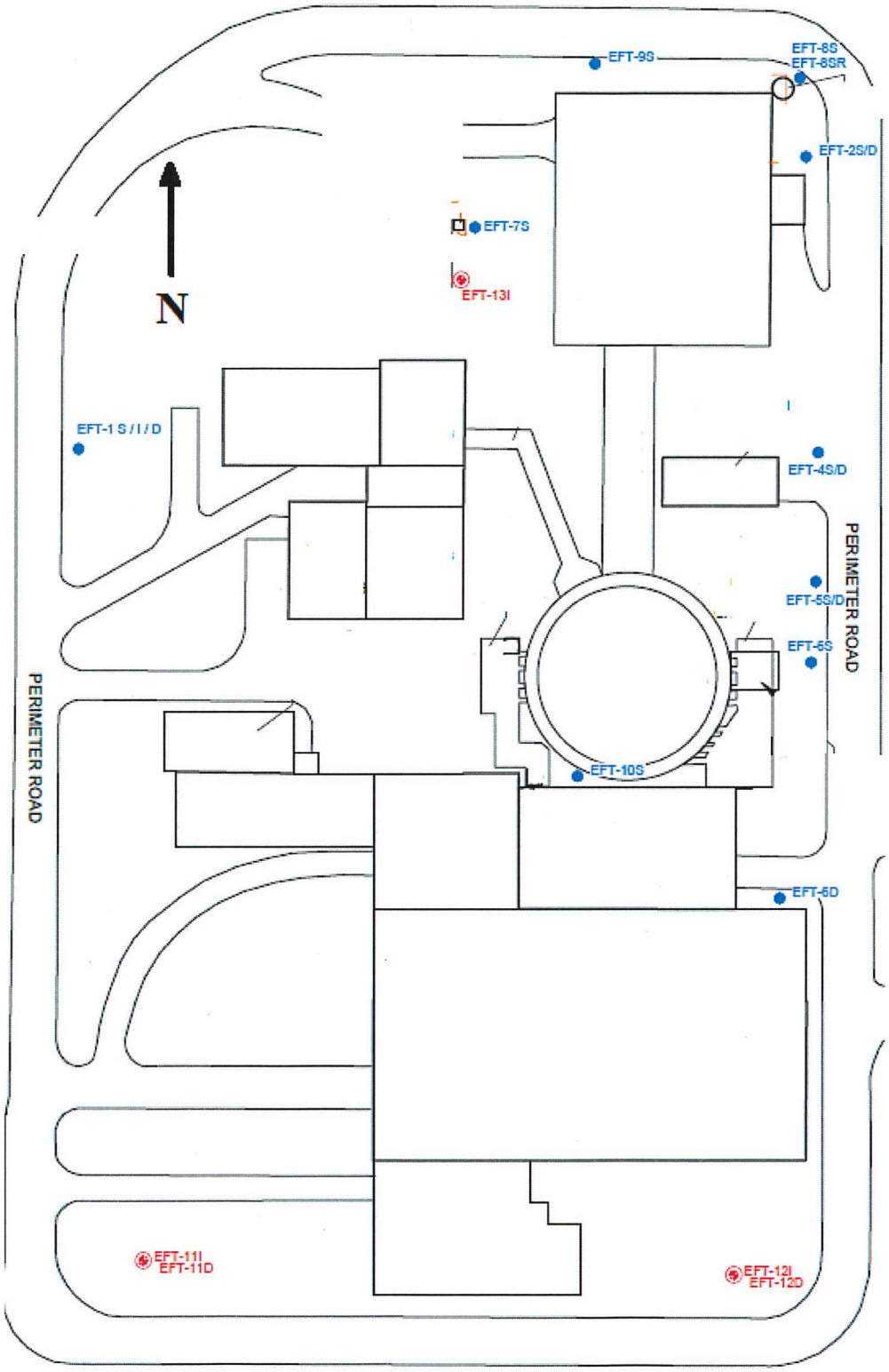
Note 1: Monitor well inaccessible – in construction area.
Note 2: Monitor well could not be sampled – covered by snow, ice, water, gravel.
Note 3: Monitor well could not be sampled – under obstruction during construction periods and alternate well in immediate area sampled.
Note 4: Monitor well could not be sampled – in a restricted area and alternate well in immediate area sampled.

Maps

Map of Current Monitor Well Locations (EF2 and Owner Controlled Area)



Map of Current Monitor Well Locations (Fermi 1)



Appendix C

Rainwater Data and Analysis

Fermi 2 has documented the phenomenon of rainwater washout, also known as recapture, of gaseous effluents, in which tritium concentrations above background levels are routinely detected in rainwater samples collected at the site. These positive samples are most often observed in sectors which are downwind from the plant. Table 10 below shows that tritium was detected in 19 of 52 rainwater and storm water samples analyzed in 2017. The Nuclear Regulatory Commission has also recognized this phenomenon of recapture of legally released gaseous effluents in NRC Regulatory Issue Summary 2008-03.

Fermi 2 continues to monitor this phenomenon through the collection of rainwater samples and storm water outfall samples at least once per quarter. These samples are analyzed for tritium to a Lower Limit of Detection (LLD) of 500 pCi/L. The table and map in this appendix show tritium results and collection locations for 2017 rainwater samples. The following general points may be made about these data:

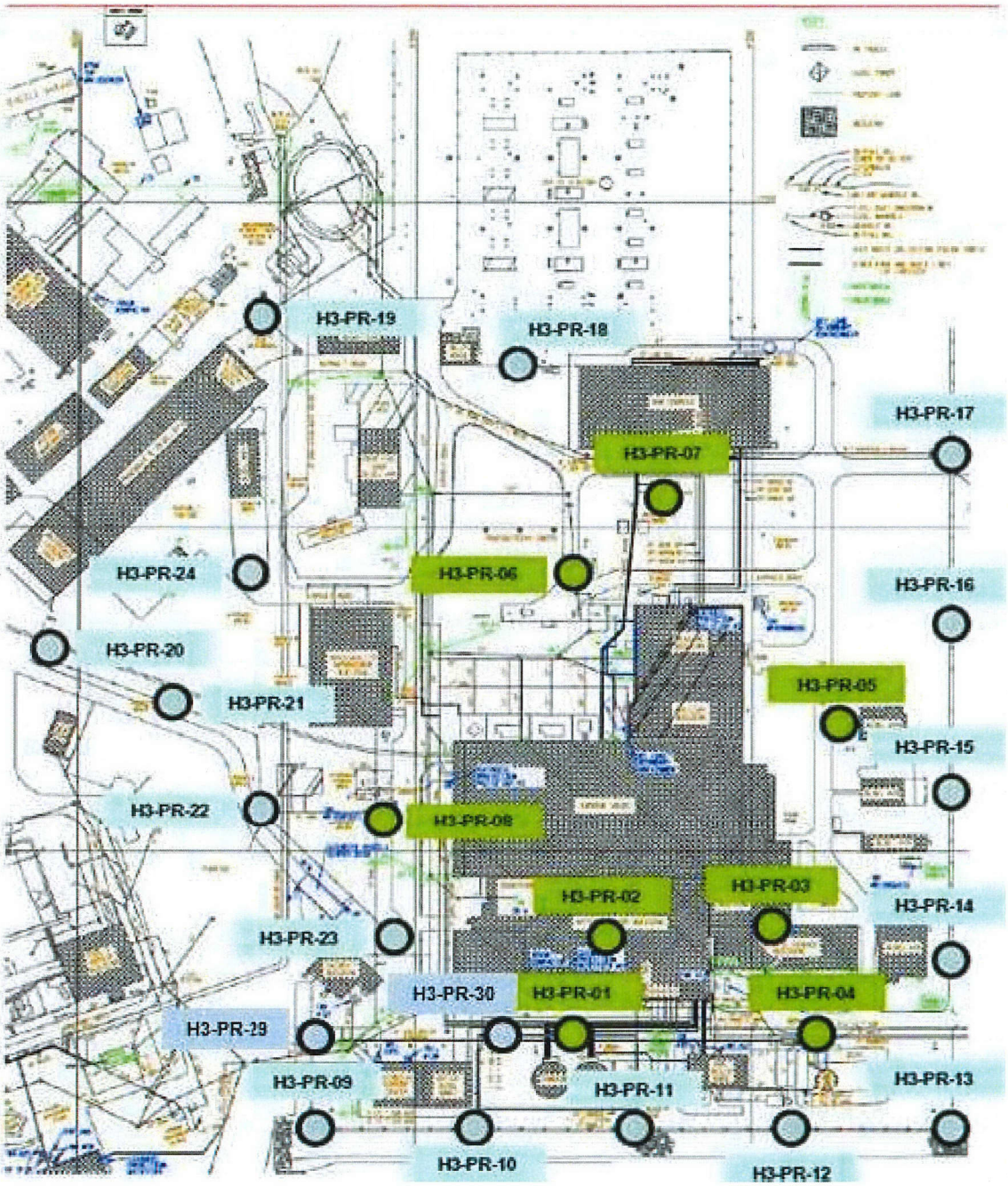
1) Higher rainwater tritium levels were detected most frequently and at higher levels in sectors which are downwind from the plant vents, especially east and southeast from the plant. This is to be expected based on the prevailing wind direction and the location of the turbine building vent, which is the site's largest tritium release point, and condensate storage tank and condensate return tank vents which have the lowest elevation of the site's tritium release points. It is also consistent with the occasional detection of tritium in shallow groundwater wells, as mentioned in Appendix B.
2) The amount of rainwater washout can vary considerably between rain events: For example, tritium was detected in 12 of 13 samples in the fourth quarter, but not in any third quarter samples.
3) Detection of tritium in rainwater samples is more frequent (compare tables 9 and 10) and at slightly higher levels than in shallow groundwater wells: the average tritium level in positive rainwater and outfall samples is 759 pCi/L versus 550 pCi/L for positive shallow groundwater samples. This is consistent with the dilution of rainwater tritium prior to its occurrence in groundwater wells.
4) Tritium levels in rainwater near the CST can be explained by periodic venting of tritiated water vapor from the CST and CRT (minor release points for tritium).
5) All rainwater and storm-water tritium concentrations were less than one twentieth of the EPA drinking water limit (20,000 pCi/L). Thus all tritium levels commonly detected in Fermi rainwater would be safe for drinking.

Table 10 presents 2017 rainwater and storm water tritium analyses. The designation "<" indicates that tritium in the sample was less than the minimum detectable activity (MDA) for that sample. This level is similar to the minimum detectable concentration (MDC) level reported by General Engineering Laboratory (GEL) for groundwater samples (see Appendix B). These MDA and MDC values are in the same range: approximately 350-450 pCi/L. Rainwater samples are analyzed by Fermi 2 Chemistry personnel using a Liquid Scintillation Counter. The lab is requested to count these samples to an LLD of 500 pCi/L (the same level as is requested from GEL) and all MDA levels reported are less than the requested LLD. The MDA for each sample is presented in the table. The attached map shows the sample locations for the results reported in Table 10.

Table 10: Precipitation and Storm Water Tritium Analysis Results for Year 2017

Sample Location	Quarter	Sample Date	Lab	Result (pCi/L or <MDA)	MDA (pCi/L)
H3-PR-01	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-04	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-05	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-06	Q1	17-Jan-17	Fermi 2 Chem	6.27E+02	4.07E+02
H3-PR-07	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-08	Q1	17-Jan-17	Fermi 2 Chem	4.93E+02	4.07E+02
H3-PR-14	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-23	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-24	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-29	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
H3-PR-30	Q1	17-Jan-17	Fermi 2 Chem	<	4.07E+02
OUTFALL 002	Q1	6-Feb-17	Fermi 2 Chem	<	4.07E+02
OUTFALL 014	Q1	6-Feb-17	Fermi 2 Chem	<	4.07E+02
H3-PR-01	Q2	6-Apr-17	Fermi 2 Chem	5.11E+02	4.18E+02
H3-PR-04	Q2	6-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-05	Q2	6-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-06	Q2	6-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-07	Q2	6-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-08	Q2	6-Apr-17	Fermi 2 Chem	6.74E+02	4.18E+02
H3-PR-14	Q2	6-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-23	Q2	6-Apr-17	Fermi 2 Chem	1.24E+03	4.18E+02
H3-PR-24	Q2	6-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-29	Q2	6-Apr-17	Fermi 2 Chem	6.39E+02	4.18E+02
H3-PR-30	Q2	6-Apr-17	Fermi 2 Chem	7.35E+02	4.18E+02
OUTFALL 002	Q2	10-Apr-17	Fermi 2 Chem	<	4.18E+02
OUTFALL 014	Q1	10-Apr-17	Fermi 2 Chem	<	4.18E+02
H3-PR-01	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-03	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-04	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-05	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-06	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-07	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-08	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-14	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-16	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-17	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
H3-PR-30	Q3	17-Aug-17	Fermi 2 Chem	<	3.85E+02
OUTFALL 002	Q3	23-Aug-17	Fermi 2 Chem	<	3.85E+02
OUTFALL 014	Q1	23-Aug-17	Fermi 2 Chem	<	3.67E+02

Sample Location	Quarter	Sample Date	Lab	Result (pCi/L or <MDA)	MDA (pCi/L)
H3-PR-01	Q4	2-Nov-17	Fermi 2 Chem	4.18E+02	4.20E+02
H3-PR-04	Q4	2-Nov-17	Fermi 2 Chem	1.06E+03	4.21E+02
H3-PR-05	Q4	2-Nov-17	Fermi 2 Chem	6.18E+02	4.21E+02
H3-PR-06	Q4	2-Nov-17	Fermi 2 Chem	5.92E+02	4.20E+02
H3-PR-07	Q4	2-Nov-17	Fermi 2 Chem	<	4.20E+02
H3-PR-08	Q4	2-Nov-17	Fermi 2 Chem	4.67E+02	4.20E+02
H3-PR-14	Q4	2-Nov-17	Fermi 2 Chem	5.46E+02	4.20E+02
H3-PR-23	Q4	2-Nov-17	Fermi 2 Chem	5.12E+02	4.20E+02
H3-PR-24	Q4	2-Nov-17	Fermi 2 Chem	5.51E+02	4.20E+02
H3-PR-29	Q4	2-Nov-17	Fermi 2 Chem	1.31E+03	4.20E+02
H3-PR-30	Q4	2-Nov-17	Fermi 2 Chem	9.00E+02	4.20E+02
OUTFALL 002	Q4	2-Nov-17	Fermi 2 Chem	1.51E+03	4.20E+02
OUTFALL 014	Q4	2-Nov-17	Fermi 2 Chem	1.02E+03	4.20E+02


H3-PR-19
H3-PR-18
H3-PR-17
H3-PR-07
H3-PR-24
H3-PR-06
H3-PR-16
H3-PR-20
H3-PR-21
H3-PR-05
H3-PR-15
H3-PR-22
H3-PR-08
H3-PR-02
H3-PR-03
H3-PR-14
H3-PR-23
H3-PR-30
H3-PR-01
H3-PR-04
H3-PR-29
H3-PR-09
H3-PR-11
H3-PR-13
H3-PR-10
H3-PR-12

Appendix D

Meteorological Joint Frequency Distributions

Fermi-2 Nuclear Station.
Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017

2017 (Annual) Joint Frequency Distribution (JFD) Tables

Fermi-2 Nuclear Station.
Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: A

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0.23 Calm																	0
0.23 - 0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.35 - 1.13	3	1	2	4	2	1	2	1	2	1	1	4	4	4	4	2	38
1.13 - 2.02	2	1	4	3	7	9	8	8	9	14	5	25	31	43	14	7	190
2.02 - 2.92	6	4	13	15	18	50	63	38	45	34	11	41	57	47	34	8	484
2.92 - 3.81	8	10	20	26	28	45	58	19	18	48	13	15	23	28	5	21	385
3.81- 5.15	8	9	5	16	24	30	9	11	5	34	21	22	7	26	21	7	255
5.15 - 6.49	2	2	0	2	7	7	8	0	0	21	15	0	2	0	14	3	83
6.49 - 8.27	8	0	0	0	10	0	0	0	0	1	1	0	1	0	0	4	25
>8.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	37	27	44	66	96	142	148	77	79	153	67	107	125	148	92	52	1460

Fermi-2 Nuclear Station.
Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: B

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0.23 Calm																	0
0.23 - 0.35	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
0.35 - 1.13	0	0	0	0	1	0	2	0	1	0	0	4	3	0	0	2	13
1.13 - 2.02	4	2	1	3	1	2	1	1	5	5	4	9	5	10	9	3	65
2.02 - 2.92	5	2	5	5	2	8	6	7	17	9	7	9	12	2	10	3	109
2.92 - 3.81	5	3	5	3	8	8	5	10	7	16	12	7	8	8	5	5	115
3.81 - 5.15	2	5	2	7	9	1	0	4	5	13	20	5	4	10	3	4	94
5.15 - 6.49	2	2	0	1	4	1	1	1	2	4	7	0	2	1	4	0	32
6.49 - 8.27	2	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	6
>8.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	21	14	14	19	27	21	15	23	37	47	51	34	34	31	31	17	436

Fermi-2 Nuclear Station.
Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: C

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0.23 Calm																	0
0.23 - 0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
0.35 - 1.13	2	1	0	0	0	0	0	0	0	2	0	0	3	2	1	2	13
1.13 - 2.02	1	2	4	0	1	2	5	1	2	13	4	9	11	11	6	0	72
2.02 - 2.92	8	5	5	1	3	8	9	8	5	10	7	10	9	7	7	8	110
2.92 - 3.81	11	1	4	8	3	4	11	2	10	9	10	13	7	9	4	7	113
3.81 - 5.15	5	0	2	5	5	2	0	4	4	10	17	9	10	10	7	1	91
5.15 - 6.49	6	1	1	4	2	3	2	1	1	5	12	0	9	0	1	2	50
6.49 - 8.27	0	0	1	2	1	5	1	0	0	1	3	0	0	0	0	2	16
>8.27	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	4
Total	34	10	17	20	15	25	28	16	22	50	55	41	49	39	27	22	470

Fermi-2 Nuclear Station.

Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: D

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0.23 Calm																	0
0.23 - 0.35	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	3
0.35 - 1.13	8	6	4	4	2	3	2	3	1	5	6	11	22	13	6	4	100
1.13 - 2.02	25	29	13	13	14	11	14	20	26	27	34	65	48	56	54	22	471
2.02 - 2.92	33	19	29	41	26	47	52	38	35	45	74	99	67	60	77	54	796
2.92 - 3.81	23	20	68	57	27	35	41	39	24	51	98	101	43	46	51	45	769
3.81 - 5.15	26	13	59	60	51	30	18	34	36	85	104	59	43	35	48	21	722
5.15 - 6.49	8	11	19	24	28	21	7	6	5	49	42	7	13	6	11	20	277
6.49 - 8.27	1	0	2	6	12	5	1	0	1	4	13	2	7	1	1	3	59
>8.27	0	0	0	0	1	0	0	0	0	1	4	4	1	0	0	0	11
Total	124	98	194	205	161	152	135	140	129	267	375	349	244	217	249	169	3208

Fermi-2 Nuclear Station.
Site Identifier: 20
Data Period Examined: 1/1/2017 42/31/2017
Output of Wind Rose

Stability Class: E

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0.23 Calm																	0
0.23 - 0.35	0	0	0	0	0	1	0	0	0	0	1	0	0	2	0	1	5
0.35 - 1.13	8	8	7	2	5	5	8	6	16	15	38	46	50	52	39	15	320
1.13 - 2.02	22	26	15	9	10	20	19	28	54	52	65	90	55	68	75	29	637
2.02 - 2.92	19	27	31	11	18	35	28	37	34	71	42	21	31	51	38	28	522
2.92 - 3.81	3	5	25	17	22	17	28	29	34	66	30	1	8	12	7	4	308
3.81- 5.15	6	2	4	7	9	10	4	12	35	60	20	3	1	1	3	2	179
5.15 - 6.49	0	0	0	0	3	0	0	1	8	20	3	1	3	2	0	0	41
6.49 - 8.27	0	0	0	0	3	0	0	0	1	6	0	0	0	2	0	0	12
>8.27	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Total	58	68	82	46	70	88	87	113	182	291	199	162	148	190	162	79	2025

Fermi-2 Nuclear Station.

Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: F

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0,23 Calm																	2
0.23 - 0.35	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2
0.35 - 1.13	3	1	1	1	0	2	5	7	11	9	18	50	54	57	28	7	254
1.13 - 2.02	12	5	0	2	3	6	7	12	11	21	35	35	15	48	33	17	262
2.02 - 2.92	6	1	2	1	3	9	13	7	14	12	8	0	0	6	1	3	86
2.92 - 3.81	2	0	0	0	1	5	0	2	10	18	1	0	0	0	0	0	39
3.81 - 5.15	0	0	0	1	1	1	2	4	7	9	3	0	0	0	0	0	28
5.15 - 6.49	0	0	0	0	3	0	0	1	1	2	0	0	0	0	0	0	7
6.49 - 8.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>8.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	23	7	3	5	11	23	27	33	54	72	66	85	69	111	62	27	680

Fermi-2 Nuclear Station.

Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: G

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
0.00 - 0.23 Calm																	1
0.23 - 0.35	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2
0.35 - 1.13	3	2	2	2	3	2	1	5	11	11	14	29	47	47	33	0	212
1.13 - 2.02	7	0	0	1	3	8	9	7	7	12	6	10	5	40	12	15	142
2.02 - 2.92	2	0	0	0	2	5	4	8	3	6	0	0	0	0	1	1	32
2.92 - 3.81	1	0	0	0	0	2	0	5	3	2	0	0	0	0	0	0	13
3.81 - 5.15	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	6
5.15 - 6.49	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
6.49 - 8.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>8.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	2	2	4	8	22	14	29	24	31	20	39	53	87	46	16	411

Fermi-2 Nuclear Station.

Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Stability Class: ALL

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH
Joint Frequency Distribution of Wind Speed and Direction in Hours at 10.0 Meters

Speed (M/S)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	55W	SW	WSW	W	WNW	NW	NNW	Total	Fraction
0.00 - 0.23 Calm																	6	0.0007
0.23 - 0.35	1	0	1	1	0	1	0	0	1	1	2	1	1	2	2	1	15	0.0017
0.35 -1.13	27	19	16	13	13	13	20	22	42	43	77	144	183	175	111	32	950	0.1093
1.13 - 2.02	73	65	37	31	39	58	63	77	114	144	153	243	170	276	203	93	1839	0.2115
2.02 - 2.92	79	58	85	74	72	162	175	143	153	187	149	180	176	173	168	105	2139	0.2461
2.92 - 3.81	53	39	122	111	89	116	143	106	106	210	164	137	89	103	72	82	1742	0.2004
3.81 - 5.15	47	29	72	96	99	77	33	72	92	211	185	98	65	82	82	35	1375	0.1582
5.15 - 6.49	18	16	20	31	47	34	18	11	17	101	79	8	29	9	30	25	493	0.0567
6.49 - 8.27	11	0	3	8	28	11	2	0	2	12	18	2	8	3	1	9	118	0.0136
>8.27	1	0	0	0	1	1	0	0	0	2	6	4	1	0	0	0	16	0.0018
Total	310	226	356	365	388	473	454	431	527	911	833	817	722	823	669	382	8693	1.0000
Fraction	0.0357	0.0260	0.0410	0.0420	0.0446	0.0544	0.0522	0.0496	0.0606	0.1048	0.0958	0.0940	0.0831	0.0947	0.0770	0.0439		

Fermi-2 Nuclear Station.
Site Identifier: 20
Data Period Examined: 1/1/2017 -12/31/2017
Output of Wind Rose

Wind Stability Class vs Wind Direction

Stability Based On: Delta T Between 60.0 and 10.0 Meters
Wind Measured At: 10.0 Meters
Wind Threshold At: 0.50 MPH

Total Number of Observations:	8760
Total Number of Valid Observations:	8693
Total Number of Missing Observations:	67
Percent Data Recovery for This Period (%):	99.24

Distribution Of Wind Direction vs Stability Classes

Stability Class	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM (0.00-0.23 m/s)		Total	Fraction
A	37	27	44	66	96	142	148	77	79	153	67	107	125	148	92	52	0		1460	0.1680
B	21	14	14	19	27	21	15	23	37	47	51	34	34	31	31	17	0		436	0.0502
C	34	10	17	20	15	25	28	16	22	50	55	41	49	39	27	22	0		470	0.0541
D	124	98	194	205	161	152	135	140	129	267	375	349	244	217	249	169	3		3211	0.3694
E	58	68	82	46	70	88	87	113	182	291	199	162	148	190	162	79	0		2025	0.2329
F	23	7	3	5	11	23	27	33	54	72	66	85	69	111	62	27	2		680	0.0782
G	13	2	2	4	8	22	14	29	24	31	20	39	53	87	46	16	1		411	0.0473
Total	310	226	356	365	388	473	454	431	527	911	833	817	722	823	669	382	6		8693	1.0000
Fraction	0.0357	0.0260	0.0410	0.0420	0.0446	0.0544	0.0522	0.0496	0.0606	0.1048	0.0958	0.0940	0.0831	0.0947	0.0770	0.0439	0.0007	1.0000		

Enclosure 2 to
NRC-18-0026

Fermi 2 - 2017
Annual Radiological Environmental Operating Report

FERMI 2 POWER PLANT

DTE Electric Company

OPERATING LICENSE NO. NPF - 43

2017

Annual Radiological Environmental Operating Report

for the period of
January 1, 2017 through December 31, 2017

Prepared by:

Fermi 2
Radiological Engineering

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Executive Summary

This Annual Radiological Environmental Operating Report is a detailed report on the Radiological Environmental Monitoring Program (REMP) conducted at DTE Electric Company's Fermi 2 nuclear power plant from January 1 through December 31, 2017.

Samples collected as part of the REMP program were analyzed by GEL Laboratories, LLC. Radioactivity measurements for these samples are reported in terms of sample concentration, which is compared with the laboratory's minimum detectable concentration (MDC) level for each analysis. If the measured concentration exceeds the MDC, radioactivity is considered to have been detected in the sample. The unit of radioactivity usually used in this report is the picocurie (pCi); a picocurie is one-one trillionth of a Curie (Ci). The unit of direct radiation used in this report is milliroentgen (mR); a milliroentgen is one-one thousandth of a Roentgen (R).

The REMP is divided into four major parts: direct radiation monitoring, atmospheric monitoring, terrestrial monitoring, and aquatic monitoring. The results of 2017 data showed that environmental radioactivity levels have not increased from background radioactivity levels detected prior to the operation of Fermi 2.

Direct radiation measurements were taken at 79 onsite and offsite locations using thermoluminescent dosimeters (TLD). In 2017, readings of TLDs located beyond the site boundary and less than 8 miles from the plant were not significantly different from those of control TLDs located more than 9 miles from the plant. The readings of these offsite TLDs, which are considered to be due only to background radiation, is equivalent to the radiation levels measured prior to the operation of Fermi 2, also of course due to background radiation.

Atmospheric monitoring results for 2017 showed only naturally occurring radioactivity and were consistent with levels measured prior to the operation of Fermi 2. No radioactivity attributable to activities at Fermi 2 was detected in any atmospheric samples during 2017.

Terrestrial and aquatic monitoring results for 2017 samples of milk, leafy garden vegetables, offsite ground water, drinking water, surface water, aquatic sediments, and fish showed only naturally occurring radioactivity, and in one instance Cs-137, which is attributable to atmospheric nuclear weapons testing. The radioactivity levels detected were consistent with levels measured prior to the operation of Fermi 2. No radioactivity attributable to activities at Fermi 2 was detected in any terrestrial or aquatic samples during 2017.

In summary, REMP sampling did not identify any radioactivity above MDC levels attributable to the operation of Fermi 2.

Radiological Environmental Monitoring Program Results

Direct Radiation Monitoring

Radiation is a normal component of the environment resulting primarily from natural sources, such as cosmic radiation and terrestrial radionuclides, and, to a lesser extent, from manmade sources such as fallout from past nuclear weapons testing. The earth is constantly bombarded by cosmic radiation in the form of high energy gamma rays and particulates. The earth's crust also contains natural radioactive material, such as uranium, thorium, and potassium-40, which contributes to the background radiation. Direct radiation monitoring primarily measures ionizing radiation from these cosmic and terrestrial sources.

Thermoluminescent Dosimeters

Fermi 2 uses thermoluminescent dosimeters (TLDs) to measure direct gamma radiation in the environment adjacent to Fermi 2. The TLDs are thoroughly tested to comply with NRC Regulatory Guide 4.13 and American National Standards Institute's (ANSI) publication N545-1975. Compliance with these standards assures accurate measurements under varying environmental conditions before the TLDs are placed in the field.

Fermi 2 has 79 TLD locations within a fifteen mile radius of the plant. These 79 TLD locations may be divided into 3 categories: 1) 26 TLDs which are located onsite and are affected by "sky shine" radiation from the plant and/or by radiation from the facility's Independent Spent Fuel Storage Installation, and therefore are not representative of off-site dose, 2) 41 "indicator" TLDs which are located offsite or at the site boundary but less than 8 miles from the plant, and 3) 12 "control" TLDs which are located more than 9 miles from the plant. Readings of the indicator TLDs are compared with readings from the control TLDs to determine whether there is any measureable offsite direct radiation from the plant which can be distinguished from the background radiation which all of these TLDs receive while in the field. These environmental TLDs are exchanged and processed on a quarterly basis. TLD data are reported in terms of milliroentgen per standard quarter (mR/std qtr), with a standard quarter being 91 days.

In 2017, the average exposure for TLDs at all off-site indicator locations was 14.3 mR/std qtr and for all control locations was 13.8 mR/std qtr. This difference is not significant, given that the two sigma uncertainty of these values is greater than 1 mR. These exposures are consistent with preoperational and past operational measurements, as shown in Figure 1.

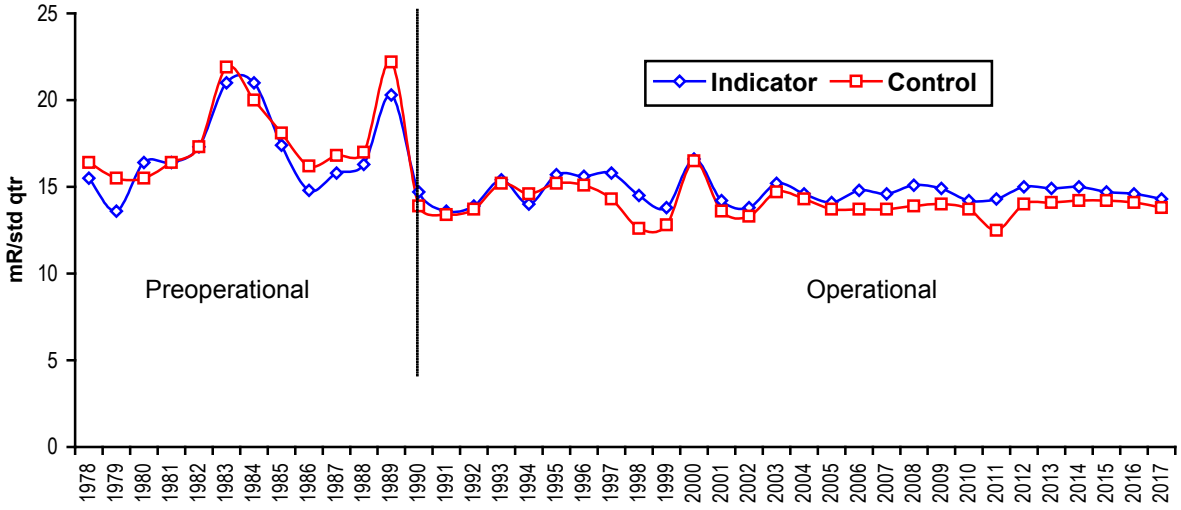


Figure 1: **Fermi 2 Annual Average TLD Gamma Exposure.** The differences between indicator and control are not significant.

Atmospheric Monitoring

A potential exposure pathway to people is inhalation of airborne radioactive materials. Fermi 2 continuously samples the ambient air surrounding Fermi 2 for radioactivity attributable to the operation of the plant. Atmospheric monitoring began in 1979 during the preoperational program. At each sampling location, a mechanical air sampler is used to draw a continuous volume of air through two filters designed to collect particulates and radioiodines. Air samples are collected weekly and analyzed for gross beta radiation as well as gamma radiation attributable to iodine-131. The particulate filters for each sampling location are combined on a quarterly basis to form a "composite sample" and are analyzed for gamma-emitting radionuclides. There are five indicator sampling locations 0.6 to 1.4 miles from the plant. The control location is 14 miles west of the plant in an upwind sector that is considered to be unaffected by the operation of the plant.

Air Sampling

On October 16, 1980, the People's Republic of China conducted an atmospheric nuclear weapon test. The fallout from this test was detected in Fermi 2 preoperational environmental air samples in 1981 (see Figure 2). The average gross beta for 1981 was 2.40E-1 pCi/cubic meter for control samples which was a factor of ten times greater than background gross beta. Gamma spectroscopic analyses of the particulate filters indicated cesium-137, cerium-141, cerium-144, ruthenium-103, ruthenium-106, zirconium-95, niobium-95, manganese-54, and antimony-125 in the atmosphere as a result of this test.

In 1986, as shown in Figure 2, there was a slight increase in gross beta activity and a 2.70E-1 pCi/cubic meter "spike" in the iodine-131 activity. These elevated levels in 1986 are attributed to the nuclear accident at Chernobyl on April 26, 1986. For all other years, the iodine-131 activity was below the lower limit of detection (LLD) of 7.0E-2 pCi/cubic meter.

On March 11, 2011, following the Tohoku earthquake and tsunami the Fukushima Daiichi Nuclear Power Plant in Japan, experienced a series of equipment failures, fuel-melt, and releases of radioactivity to the environment. Within weeks of the accident, US nuclear power plant REMP programs and other monitoring stations detected the radioactivity from Japan mainly in the form of airborne iodine-131.

During the week of April 5, 2011, all five (5) of Fermi's air monitoring stations detected radioactivity greater than the MDC at an average airborne gross beta of 7.12E-2 pCi/cubic meter and 8.12E-2 pCi/cubic meter for iodine-131 due to the accident at Fukushima Daiichi Nuclear Power Plant.

During the 2017 monitoring period, 312 particulate air filters and 312 charcoal cartridges were collected and analyzed for gross beta activity and iodine-131 respectively. The average gross beta for indicator samples was 2.87E-2 pCi/cubic meter and 2.81E-2 pCi/cubic meter for control samples. None of the charcoal filters collected showed detectable levels of iodine-131. The following table contains the annual average gross beta results of all five sample locations for 2017.

Table 1: 2017 Average Gross Beta Concentrations in Air Particulates (pCi/m^3)

Station	Description (sector/distance)	Annual Average (Std.Dev., N)
API-1 (I)	Estral Beach (NE/1.4 mi.)	3.21 E-2 (2.46E-3, N=52)
API-2 (I)	Site Boundary (NNW/0.6 mi.)	2.90E-2 (2.35E-3, N=52)
API-3 (I)	Site Boundary (NW/0.6 mi.)	2.77E-2 (2.30E-3, N=52)
API-4 (C)	North Custer Rd. (W/14 mi.)	2.81E-2 (2.29E-3, N=52)
API-5 (I)	Site Boundary (S/1.2 mi.)	2.80E-2 (2.33E-3, N=52)
API-6 (I)	Site Boundary (WNW/0.6 mi.)	2.78E-2 (2.35E-3, N=52)

(I) = Indicator Station (C) = Control Station

Twenty two (24) quarterly particulate filter composites were prepared and analyzed for gamma emitting radionuclides. Naturally occurring beryllium-7 was detected in both indicator and control samples, and naturally occurring and potassium-40 was detected in a control sample.

In conclusion, the atmospheric monitoring data are consistent with preoperational and prior operational data and show no adverse long-term trends in the environment attributable to operation of Fermi 2 as illustrated in Figures 2 and 3.

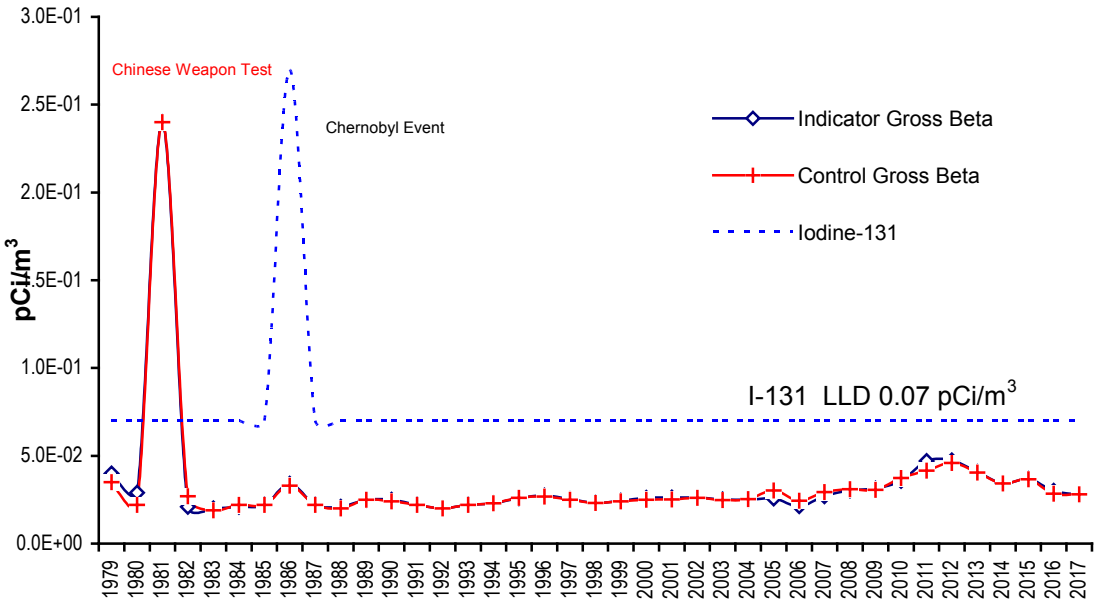


Figure 2: **Historical Gross Beta and Iodine-131 Activity in Air Samples.** The similarity between indicator and control gross beta results demonstrates that the operation of Fermi 2 has had no adverse impact with respect to these radionuclides. For I-131, the lower limit of detection (LLD) of 0.07 pCi/cubic meter is shown, except for the Chinese weapon test event in which I-131 was detected.

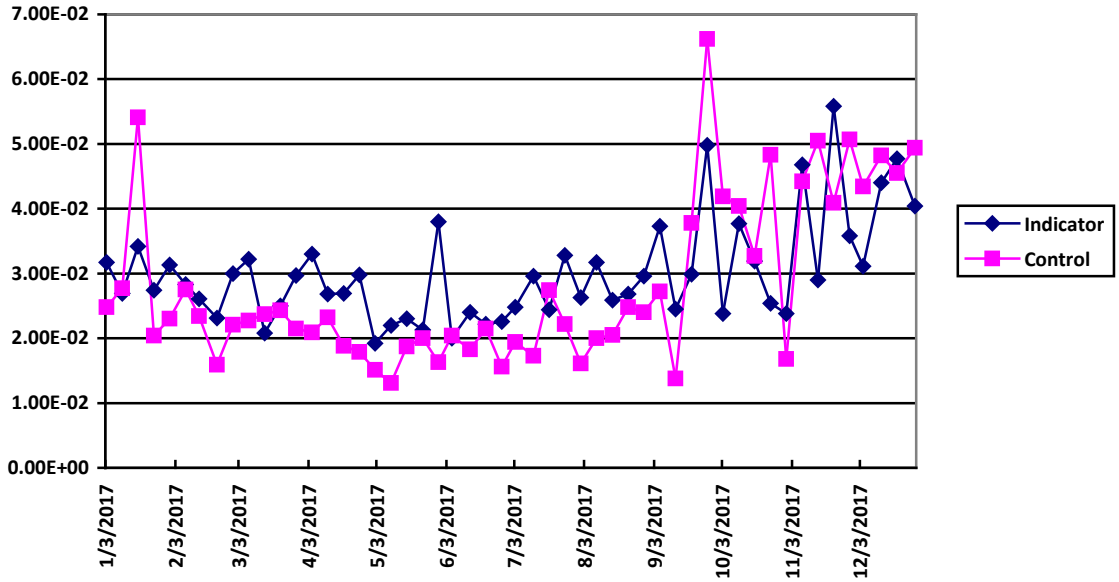


Figure 3: **Fermi 2 Air Particulate Gross Beta for 2017**. The concentration of beta emitting radionuclides in airborne particulates samples was essentially identical at indicator and control locations. Gross beta activity varies throughout the year and this variability is primarily an effect of seasonal precipitation.

Terrestrial Monitoring

Radionuclides released to the atmosphere may deposit on soil and vegetation, and therefore, may eventually be incorporated into the human food chain. To assess the impact of Fermi 2 operations to humans from the ingestion pathway, samples of milk, green leafy vegetables, and ground water are collected and analyzed for radioactivity. The following sections discuss the type and frequency of terrestrial sampling, analyses performed, as well as a comparison of 2017 data to previous operational and preoperational data.

Milk Sampling

A major pathway in the human food chain is the consumption of milk from grazing animals (dairy cows or goats) due to biological concentration and the short time between source and human consumption in this pathway. Milk was collected in 2017 from one indicator location and one control location semimonthly when animals are in pasture, and monthly when the animals are on stored feed. However, in the fall of 2017, the indicator milk sample location ceased operation, and currently only the control milk sample is being collected. The milk is analyzed for iodine-131, other gamma emitting radionuclides, and strontium-89/90. At times when milk samples are not available, grass samples may be collected at both the control milk sample location and the location where milk is not available. Grass samples are analyzed for iodine-131 and other gamma emitting radionuclides. Grass samples were collected from both locations on October 27, 2017, and analyses showed only naturally occurring beryllium-7 and potassium-40.

Milk sampling began in 1979 during the preoperational program. During this time period, milk samples were analyzed for iodine-131 and other gamma emitting radionuclides. Cesium-137 and naturally occurring potassium-40 were the only radionuclides detected in milk samples during the preoperational program. The cesium-137 activity averaged 3.60E+0 pCi/liter and is due to past atmospheric nuclear weapons testing. In 1986, after the nuclear accident at Chernobyl, iodine-131 and cesium-137 were detected in both indicator and control milk samples. The average activity was 3.70E+0 pCi/liter for iodine-131 and 6.60E+0 pCi/liter for cesium-137.

The analysis for strontium-89/90 began in 1988, and strontium-90 is routinely detected in both indicator and control milk samples because of past atmospheric nuclear weapons testing. In 1970, the concentration of strontium-90 in Monroe County milk was 6.00E+0 pCi/liter according to the Michigan Department of Health's “Milk Surveillance,” Radiation Data and Reports, Vol. 11-15, 1970-1974. Figure 4 shows the calculated radiological decay curve for the 1970 concentration of strontium-90 and the average concentrations since 1988. This graph illustrates that the inventory of strontium-90 in the local environment is decreasing with time and closely follows the calculated decay curve. This supports the determination that the inventory of strontium-90 in the environment is

due to fallout from past atmospheric nuclear weapons testing and not the operation of Fermi 2.

During 2017, thirty-six (36) milk samples were collected and analyzed for iodine-131, gamma emitting radionuclides, and strontium-89/90. No iodine-131 or strontium-89/90 was detected greater than the MDC in any of the samples. Although strontium-90 was not detected in any samples above the MDC, the average MDC of 1.47 pC/liter is shown for strontium-90 in milk in 2017 in Figure 4.

Naturally occurring potassium-40 was detected in these milk samples (average 1.39E3 pCi/L, Std. Dev. 3.20E1, N=36).

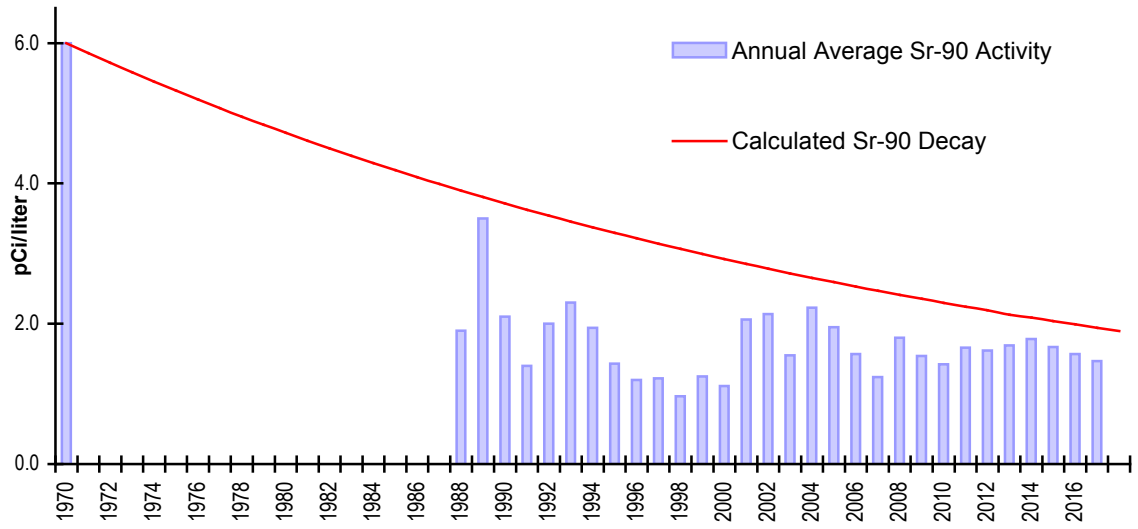


Figure 4: **Historical Strontium-90 Activity in Local Milk Samples**. The concentration of strontium-90 in local milk samples is decreasing with time and is below the calculated decay curve. This supports the fact that strontium-90 in local milk is due to fallout from past atmospheric nuclear weapons testing and not the operation of Fermi 2. Showing average of positive values; if parameter not detected at the Minimum Detectable Concentration (MDC) in any samples taken during the monitoring period, the average of the MDC values is reported.

Ground-Water Sampling

In areas not served by municipal water systems, water supplies for domestic use are generally obtained from private wells. The network of private wells presently in use forms the source of water for domestic and livestock purposes in farms and homes west and north of the site. With the construction of new water plants and distribution systems, the water use trend in the area is from ground water (local wells) to surface water (municipal water supply).

Ground water is collected on a quarterly basis from four wells surrounding Fermi 2. The ground water is analyzed for gamma-emitting radionuclides and tritium. Sampling location GW-4, which is located approximately 0.6 miles west northwest, is designated as the control location because it is up-gradient and is least likely to be affected by the operation of the plant. The other three sampling locations are down-gradient from Fermi 2 and designated as indicator locations.

Ground-water sampling began in 1987, during the operational period of the REMP program. From 1987 to 1996, naturally occurring potassium-40, cesium-137, and tritium were detected in both indicator and control samples. The average concentration was 7.71E+0 pCi/liter for cesium-137 and 1.50E+2 pCi/liter for tritium. The presence of cesium-137 and tritium in ground-water samples is due to fallout from past atmospheric nuclear weapons testing leaching into the soil and becoming incorporated into the ground water. From 1997 to 2008, only naturally occurring potassium-40 activity was detected in ground-water samples.

In 2017, twenty (20) ground-water samples were collected and analyzed for gamma emitting radionuclides and tritium. Only thorium-228 (a natural-occurring radioisotope) was detected at concentration greater than the MDC in ground-water samples.

Garden Sampling

Fermi 2 collects samples of broad leaf vegetables from an indicator location identified by the annual Land Use Census. Samples are also collected at a control location that is at a distance and direction which is considered to be unaffected by plant operations. Samples are collected once a month during the growing season (June through September) and are analyzed for gamma-emitting radionuclides.

Vegetable sampling started in 1982. During the preoperational period from 1982 to 1985, only naturally occurring potassium-40 was detected in both indicator and control vegetable samples. During the operational period from 1985 to 1990 and 1994 to 1995, only naturally occurring potassium-40 was detected in both indicator and control vegetable samples. However, in 1991, 1992, and 1993, cesium-137 was detected in one indicator sample each year and had an average concentration of 1.2E+1 pCi/kilogram.

Cesium-137 may become incorporated into plants by either uptake from the soil or direct deposition on foliar surfaces. Since cesium-137 is normally not detected in gaseous effluent samples from Fermi 2, and there have been no recent atmospheric weapons testing or nuclear accidents, the incorporation of cesium-137 by direct deposition is highly unlikely. The most probable source of cesium-137 in vegetable samples is the

uptake of previously deposited cesium-137, which has leached into the soil. This cesium activity is attributed to fallout from past atmospheric weapons testing and to the nuclear accident at Chernobyl.

During 2017, nine (9) vegetable samples were collected and analyzed for gamma emitting radionuclides. No iodine-131 was detected greater than the MDC in vegetable samples during 2017. The only gamma emitting radionuclides detected were naturally occurring beryllium-7, potassium-40, and thorium-228, which were found in both indicator and control samples.

Terrestrial monitoring results for 2017 of milk, ground water and leafy garden vegetable samples, showed only naturally occurring radioactivity. The radioactivity levels detected were consistent with levels measured prior to the operation of Fermi 2 and no radioactivity attributable to activities at Fermi 2 was detected greater than the MDC in any terrestrial sample. In conclusion, the terrestrial monitoring data show no adverse trends attributable to emissions from Fermi 2 in the terrestrial environment.

Aquatic Monitoring

Fermi 2 is located at the West end of Lake Erie. This Great Lake is used as a source for drinking water, as well as for recreational activities such as fishing, swimming, sunbathing, and boating. Because of these uses, Lake Erie and its tributaries are routinely monitored for radioactivity.

The aquatic monitoring portion of the REMP consists of sampling raw municipal drinking water, surface water, lake sediments, and fish for the presence of radioactivity. The following sections discuss the type and frequency of aquatic sampling, analyses performed, as well as a comparison of 2017 data to previous operational and preoperational data.

Drinking-Water Sampling

Fermi 2 monitors drinking water at one control location and one indicator location using automatic samplers. The automatic samplers collect drinking water at time intervals that are very short (hourly) relative to the sample collection period (monthly) in order to assure that a representative sample is obtained. Indicator water samples are obtained at the Monroe water intake located approximately 1.1 miles south of the plant. Detroit municipal water is used for the control samples and is obtained at the Allen Park water intake located approximately 18.6 miles north of the plant. Drinking water samples are collected on a monthly basis and analyzed for gross beta, strontium-89/90, and gamma-emitting radionuclides. The monthly samples for each location are combined on a quarterly basis and analyzed for tritium activity.

In late 1980, as shown in Figure 5, an atmospheric nuclear weapon test was conducted by the People's Republic of China. As a result of this test, the average gross beta for 1981 was 9.80E+00 pCi/liter for water samples. Figure 5 also shows that, except for the Chinese weapons testing, the historic drinking water sample data are below or slightly above the lower limit of detection (4.00E+0 pCi/liter) required by US Environmental Protection Agency (USEPA) National Interim Primary Drinking Water regulations. Even during the Chinese weapons testing, the drinking water samples did not exceed the USEPA maximum allowable criteria of 5.00E+1 pCi/liter gross beta. In 1980 and 1983, cesium-137 was detected in drinking water samples at levels ranging from 5.40E+0 pCi/liter to 1.90E+1 pCi/liter. Tritium was also detected during the preoperational program and had an average of 3.25E+2 pCi/liter. The presence of cesium-137 and detectable levels of tritium in these water samples is due to fallout from past atmospheric nuclear weapons testing and naturally occurring tritium.

From 1985 to 2017, the average annual gross beta activity for indicator samples was 3.92E+0 pCi/liter (Std. Dev. 1.39E+0) and 3.38E+0 pCi/liter (Std. Dev. 1.23E+0) for control samples. The analysis of drinking water for strontium-89 and strontium-90 began in 1988 and strontium-90 has been detected in both indicator and control samples. Tritium was also detected in both indicator and control drinking water samples at times during this time period. The presence of strontium-90 and detectable levels of tritium in these water samples is due to fallout from past atmospheric nuclear weapons testing and naturally occurring tritium and its identification in drinking water samples by the REMP is an indicator of performance of the program.

In 2017, twenty-four (24) drinking water samples were collected and analyzed for gross beta, gamma emitting radionuclides, strontium-89/90, and tritium. Gross beta activity was not detected greater than the MDC in indicator drinking water samples, but in the control sample a concentration of 3.91 pCi/L was detected. The water at the control drinking water location has long shown excess turbidity, which likely explains this positive result. (Air particulate samples are routinely positive due to naturally occurring radioactivity.) Strontium-89 and strontium-90 activity were not detected greater than the MDC in drinking water samples from indicator or control locations during 2017. Twelve (12) quarterly composite drinking water samples were prepared and analyzed for tritium. No tritium activity was detected greater than the MDC in drinking water samples from indicator or control locations during 2017.

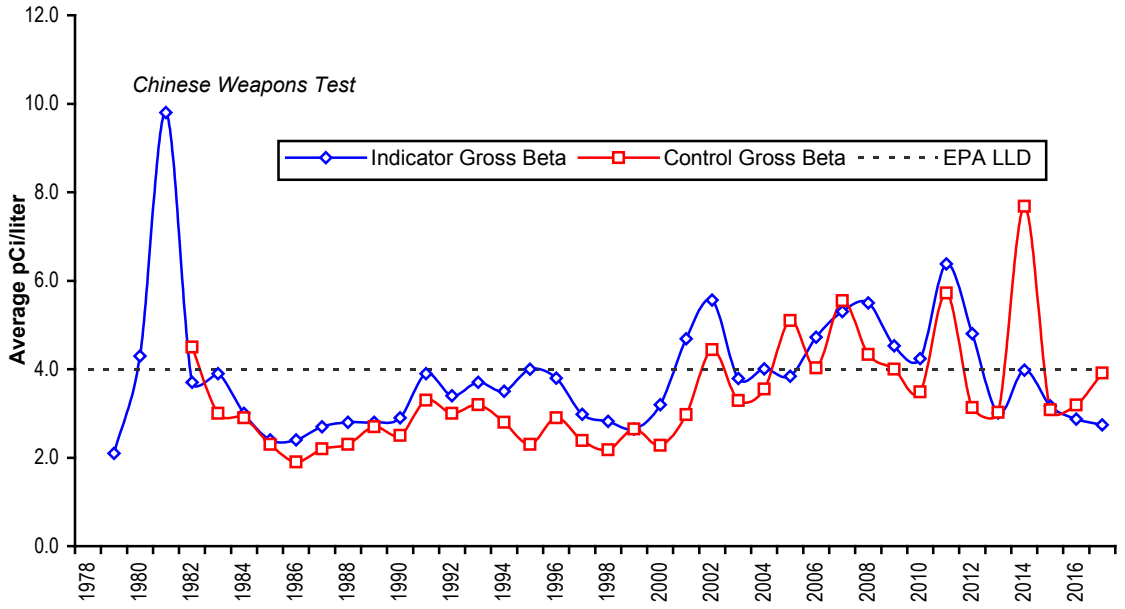


Figure 5: Historical Gross Beta Activity in Drinking Water Samples. Since 1982, the annual concentrations of beta emitting radionuclides in drinking water samples collected from indicator locations have been consistent with those from control locations. This shows that Fermi 2 has had no measurable radiological impact on local drinking water. This graph shows the average of positive values, or if activity was less than MDC in all samples taken during the monitoring period, the average of the MDC values is reported.

Surface-Water Sampling

Fermi 2 monitors surface water at two locations using automatic samplers. As with drinking water, the automatic samplers collect surface water at time intervals that are very short (hourly) relative to the sample collection period (monthly) in order to assure that a representative sample is obtained. Indicator surface water samples are obtained at the Fermi 2 General Service Water building, located approximately 0.3 miles south southeast from Fermi 2. The control surface water samples are obtained from Trenton Channel Power Plant's cooling water intake on the Detroit River, which is approximately 11.7 miles north northeast of Fermi 2. Surface water samples are collected on a monthly basis and analyzed for strontium-89/90 and gamma emitting radionuclides. The monthly samples for each location are combined on a quarterly basis to form a quarterly composite sample and are analyzed for tritium.

Surface water sampling began in 1979, and the samples were analyzed for gamma emitting radionuclides and tritium. During this preoperational program, no gamma emitting radionuclides, except for naturally occurring potassium-40, were detected. Tritium was detected in both indicator and control samples during this time period and had an average concentration of 3.15E+2 pCi/liter. This tritium activity represents the

background concentration due to naturally occurring tritium and tritium produced during past atmospheric nuclear weapons testing.

From 1985 to 2000, as part of the operational program, surface-water samples were analyzed for gamma emitting radionuclides and tritium. The analysis for strontium-89/90 did not begin until 1988, and strontium-90 was detected in both indicator and control samples. In 1990, two indicator samples showed detectable activity for cesium-137 at an average concentration of 1.20E+1 pCi/liter. The presence of cesium-137 and strontium-90 in these water samples is due to fallout from past atmospheric nuclear weapons testing. Tritium was detected in both indicator and control surface water samples during this time period at a concentration of 2.31E+2 pCi/liter. This tritium activity is consistent with background levels measured during the preoperational program.

In 2017, thirty-six (36) surface water samples were collected and analyzed for gamma emitting radionuclides and strontium-89/90. From these samples, twelve (12) quarterly composite samples (eight samples for indicator locations and four samples for the control location) were prepared and analyzed for tritium. During 2017, no gamma-emitting radioisotopes were detected above their respective MDC in any indicator surface-water samples. However in two indicator samples, naturally occurring potassium-40 was detected at an average concentration of 2.77E1 pCi/L. Strontium-89 and strontium-90 activity were not detected greater than the MDC in surface water samples from indicator or control locations during 2017. Tritium was not detected greater than the MDC in surface water samples from indicator or control locations during 2017.

Sediment Sampling

Sediments often act as a sink (temporary or permanent) for radionuclides, but they may also become a source, as when they are resuspended during periods of increased turbulence or are dredged and deposited elsewhere. Sediment, in the vicinity of the liquid discharge point, represents the most likely site for accumulation of radionuclides in the aquatic environment, and with long-lived radionuclides, a gradual increase in radioactivity concentration would be expected over time if discharges occur. Sediment, therefore, provides a long-term indication of change that may appear in other sample media (i.e., water or fish samples).

Sediments from five locations are collected from the Lake Erie shoreline and bottom on a semiannual basis (Spring and Fall) and are analyzed for gamma emitting radionuclides and strontium-89/90. Of these five sample locations, one is a control and four are indicator locations. The control sample is collected near the Trenton Channel Power Plant's cooling water intake. The indicator samples are collected at:

- Estral Beach,
- North of the Fermi 2 liquid discharge area,
- Pointe Aux Peaux (shoreline), and
- Indian Trails Community Beach.

During the preoperational monitoring program only samples from indicator locations were analyzed for gamma emitting radionuclides as there was no control location required. Naturally occurring radionuclides were commonly identified in sediment samples from this period; the only manmade radioisotope detected was cesium-137. For this time period, the average cesium-137 concentration was 3.27E+2 pCi/kilogram. The presence of cesium-137 in these sediment samples is due to fallout from past atmospheric nuclear weapons testing.

From 1985 to 2017, cesium-137(average activity 1.24E+2 pCi/kilogram) and naturally occurring radionuclides were detected in sediment samples. The analysis for strontium-89/90 began in 1988, and strontium-90 has periodically been detected at both indicator and control samples (average activity 2.25E+2 pCi/kilogram). Because both of these radioisotopes' long half-life, approximately 30 years, the persistence of cesium-137 and sporadic occurrence of strontium-90 in sediment samples has been attributed to fallout from past atmospheric nuclear weapons testing.

In 1990 and 1991, the Spring samples taken at the Fermi 2 liquid discharge line (location S-2) showed activity for plant related radionuclides (manganese-54, cobalt-58, cobalt-60, and zinc-65) and was determined to be a result of liquid effluent from Fermi 2. The sample results were well below any regulatory reporting limits and were consistent with the activity released from the plant in liquid effluents as per the approved effluent program. The dose impact was negligible due to these effluents.

In 2017, ten (10) sediment samples were collected and analyzed for gamma emitting radionuclides and strontium-89/90. Cesium-137 was detected in one control sample (1.11E2 pCi/kg) and one indicator sample (9.07E1 pCi/kg). (The 2017 value in Figure 6 is the average of these two concentrations.) The presence of cesium-137 in sediment samples is due to fallout from past atmospheric nuclear weapons testing. Naturally occurring radionuclides actinium-228, bismuth-214, lead-212, lead-214, potassium-40, radium-226, thallium-208, thorium-228, and thorium-230 were also detected in both indicator and control sediment samples during this sampling period. No plant-related radionuclides were identified in any sediment samples taken in 2017.

Figure 6 shows the historical concentration of cesium-137 in sediment samples from 1978 to 2017. Using the average pre-operational cesium-137 activity in sediments (3.27E+2 pCi/kilogram, Std Dev 2.11E+2) as a starting point, the estimated decayed cesium-137 activity is calculated using the half-life of cesium-137 (30.08 years) and a starting year of 1978. This curve has a negative slope which indicates the overall concentration of cesium-137 in the environment will decrease with time. This trend of decreasing activity of cesium-137 is also seen in the sediment samples taken since 1985. This supports the fact that the inventory of cesium-137 in the environment is due to fallout from past atmospheric nuclear weapons testing and not from the operation of Fermi 2.

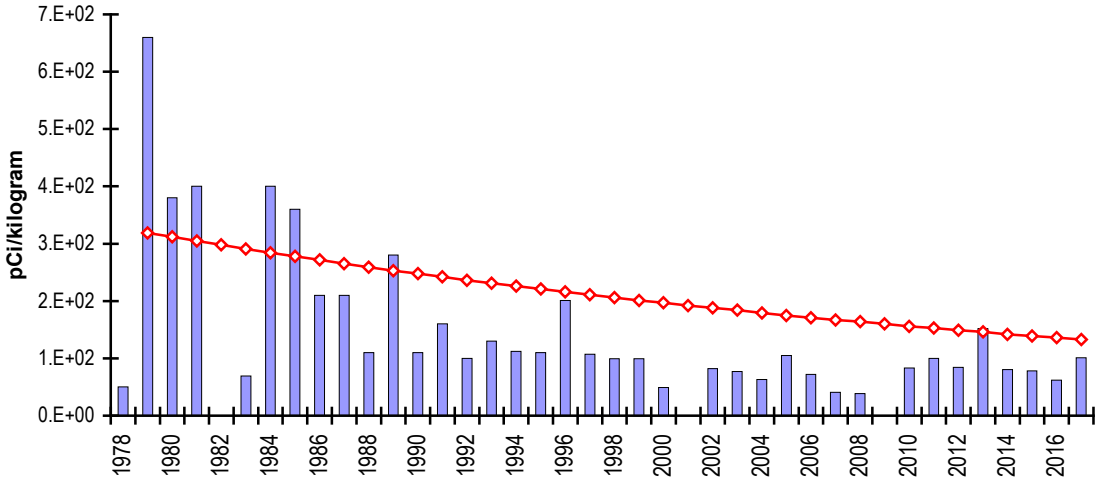


Figure 6: Historical Cesium-137 Activity in Sediment Samples. As the calculated trend shows, the concentration of cesium-137 in Lake Erie sediments is decreasing with time. This supports the fact that cesium-137 in Lake Erie sediments is due to fallout from past atmospheric nuclear weapons testing and not the operation of Fermi 2.

Fish Sampling

Samples of fish are collected from Lake Erie at three locations on a semiannual basis. There are two control locations and one indicator location. The two control locations are offshore of Celeron Island and in Brest Bay. The indicator location is approximately 1200 feet offshore of the Fermi 2 liquid effluent discharge. Edible portions of the fish are analyzed for gamma emitting radionuclides and strontium-89/90.

During the preoperational program, fish samples were analyzed for gamma emitting radionuclides. Only cesium-137 and naturally occurring potassium-40 were detected during this time period. The average concentration of cesium-137 for indicator samples was 3.53E+01 pCi/kilogram and 4.20E+01 pCi/kilogram for control samples. The presence of cesium-137 in these fish samples is due to fallout from past atmospheric nuclear weapons testing.

From 1985 to 2017, cesium-137 and naturally occurring potassium-40 were detected in fish samples. The average cesium-137 concentration for indicator samples was 2.87+1 pCi/kilogram and 3.31E+1 pCi/kilogram for control samples. The analysis for strontium-89/90 began in 1990, and strontium-90 was routinely detected at similar concentrations in both indicator and control samples. The average strontium-90 concentration for indicator samples was 3.84E+1 pCi/kilogram and 3.15E+1 pCi/kilogram for control samples. The presence of cesium-137 and strontium-90 in these fish samples is due to fallout from past atmospheric nuclear weapons testing.

In 2017, twenty (21) fish samples were collected and analyzed for gamma emitting radionuclides and strontium-89/90. Naturally occurring potassium-40 was detected in all indicator and control fish samples in 2017. The average indicator concentration was 2.86E3 pCi/kg, and the average control concentration was 3.04E3 pCi/kg.

Aquatic monitoring results for 2017 of water, sediment, and fish showed only naturally occurring radioactivity and radioactivity associated with fallout from past atmospheric nuclear weapons testing and were consistent with levels measured prior to the operation of Fermi 2. In conclusion, no radioactivity attributable to activities at Fermi 2 was detected greater than the MDC in any aquatic sample during 2017 and no adverse long-term trends are seen in the aquatic monitoring data.

Land-Use Census

The Land-Use Census is conducted in accordance with the Fermi 2 Offsite Dose Calculation Manual (ODCM), control 3.12.2, and satisfies the requirements of Section IV.B.3 of Appendix I to 10 CFR Part 50. This census identifies changes in the use of unrestricted areas to permit modifications to monitoring programs for evaluating doses to individuals from principal pathways of exposure. The pathways of concern are listed below:

- **Inhalation Pathway** - Internal exposure as a result of breathing radionuclides carried in the air.

- **Ground Exposure Pathway** - External exposure from radionuclides deposited on the ground.

- **Plume Exposure Pathway** - External exposure directly from a plume or cloud of radioactive material.

- **Vegetation Pathway** - Internal exposure as a result of eating vegetables which have absorbed deposited radioactive material or which have absorbed radionuclides through the soil.

- **Milk Pathway** - Internal exposure as a result of drinking milk which may contain radioactive material as a result of dairy animals grazing on a pasture contaminated by radionuclides.

- **Meat Pathway** - Internal exposure as a result of consuming meat which may contain radioactive material as a result of animals grazing on a pasture contaminated by radionuclides.

The Land-Use Census is conducted during the growing season and is used to identify, within a radius of 5 miles, the location of the nearest residences, milk animals, meat animals, and gardens (greater than 50 square meters and containing broad leaf vegetation) in each of 16 meteorological sectors surrounding Fermi 2. Gardens greater than 50 square meters are the minimum size required to produce the quantity (26 kg/year) of leafy vegetables assumed in NRC Regulatory Guide 1.109 for consumption by a child. To determine this minimum garden size, the following assumptions were made: (1) 20% of the garden is used for growing broad leaf vegetation (i.e., lettuce and cabbage); and (2) a vegetation yield of 2 kg/square meter.

2017 Land-Use Census Results

The Land Use Census (LUC) is conducted in accordance with ODCM control 3.12.2 and satisfies the requirements of Section IV.B.3 of Appendix I to 10 CFR Part 50. This census identifies changes in the use of unrestricted areas to permit modifications to monitoring programs for evaluating doses to individuals from principal pathways of exposure. The annual Land-Use Census is conducted during the growing season and is used to identify, within a radius of 5 miles, the location of the closest residences, milk animals, meat animals, and gardens in each of the 11 land-based meteorological sectors surrounding Fermi 2.

The 2017 Land-Use Census was performed during the month of August. The 2017 census data were obtained with the use of Global Positioning System (GPS) equipment and new locations confirmed using location data obtain from a commercial online search engine. These data were compared to the 2016 data to determine any significant changes in the use of the land. The results of the census are tabulated in Table 2 of this report.

The changes from previous LUC results appear minimal with respect to potential maximum receptors; therefore there is no reason to change the ODCM description of the maximum exposed individual. It remains conservative with respect to all potential offsite dose pathways, no matter how unlikely they may be.

The location of the hypothetical, conservative, "maximum exposed individual" remains the same and is described as follows:

Pathway	Sector	Azimuth (degrees)	Distance (miles)	Age Group	Maximum Organ
Ingestion (vegetation)	WNW	302.2	0.71	Child	Thyroid/ Bone*

*For the 10 CFR 50 Appendix I required calculation of dose due to I-131, I-133, H-3, and particulates with half-lives greater than 8 days, the thyroid is the maximum organ. However, if C-14 is added to this dose calculation, bone becomes the maximum organ.

2017 LAND-USE CENSUS

Table 2

Sector	Type	Sub-Type	AZ	Lat	Long	Year	2017 Status	2016 Status	2015 Status
SW	Garden			41.92729	-83.32894	2017	New		
WSW	Garden		239.7717	41.92972	-83.33611	2017	Active	Active	Active
NNW	Undefined	Chickens		42.00087	-83.28434	2017	New		
NNW	Undefined	Chickens		42.00096	-83.28713	2017	New		
NNW	Undefined	Chickens		42.00094	-83.28513	2017	New		
NNW	Undefined	Chickens	335.0305	42.00131	-83.28216	2017	Active	Active	Active
NNW	Garden			42.01319	-83.28247	2017	Active	New	
N	Residence		8.8500	41.97924	-83.25509	2017	Active	Active	Active
NNE	Residence		16.6200	41.97834	-83.25241	2017	Active	Active	Active
WNW	Garden		296.6053	41.99306	-83.33806	2017	Inactive	Inactive	Active
N	Undefined	Chickens	164.8604	41.99716	-83.25296	2017	Active	Active	New
N	Garden		6.0500	42.00060	-83.25310	2017	Active	Active	Active
N	Garden		5.6051	42.00254	-83.25324	2017	Active	Active	Active
N	Garden		3.9627	42.01367	-83.25372	2017	Active	Active	Active
N	Garden			42.01293	-83.25341	2017	New		
N	Undefined	Chickens		42.01543	-83.25340	2017	New		
WSW	Garden		247.7848	41.94500	-83.31900	2017	Inactive	Active	Active
NW	Garden		320.1225	42.00583	-83.30611	2017	Active	Active	Active
NW	Garden		319.5203	42.00639	-83.30778	2017	Active	Active	Active
SSW	Garden		193.6220	41.94216	-83.26533	2017	Active	Active	Inactive
S	Garden			41.94493	-83.25628	2017	Inactive	New	
N	Garden		9.5935	42.02550	-83.24428	2017	Active	Active	Inactive

Sector	Type	Sub-Type	AZ	Lat	Long	Year	2017 Status	2016 Status	2015 Status
N	Garden		8.9100	42.02930	-83.24450	2017	Active	Active	Active
N	Garden		8.7784	42.03021	-83.24452	2017	Active	Active	Active
S	Garden		184.5494	41.94333	-83.26056	2017	Active	Active	Active
NNW	Milk	Cattle	331.1273	42.02235	-83.30216	2017	Inactive	Active	Active
NNW	Milk	Cattle	341.9157	42.02274	-83.28449	2017	Active	Active	Active
N	Garden		359.2607	42.02306	-83.25944	2017	Inactive	Active	Active
N	Garden		6.8254	42.02800	-83.24800	2017	Inactive	Inactive	Active
NNW	Undefined	Chickens		42.02258	-83.29377	2017	New		
N	Garden			42.02301	-83.26520	2017	New		
S	Undefined	Ducks	189.7450	41.93806	-83.26426	2017	Active	Active	Active
NE	Residence		34.7300	41.97650	-83.24620	2017	Active	Active	Active
NE	Garden		37.7063	41.98549	-83.23544	2017	Inactive	Inactive	Active
WSW	Garden		240.4034	41.93400	-83.32800	2017	Inactive	Inactive	Active
NNE	Garden		27.8636	41.98694	-83.24167	2017	Active	Active	Inactive
NNE	Garden		31.2830	41.98694	-83.23917	2017	Active	Active	Active
WNW	Residence		302.2527	41.96886	-83.27003	2017	Active	Active	Active
W	Undefined	Chickens	173.0944	41.96610	-83.28264	2017	Active	Active	New
W	Undefined	Ducks		41.96610	-83.28264	2017	Active	New	
NW	Residence		309.6896	41.97326	-83.27439	2017	Active	Active	Active
N	Undefined	Chickens		41.98385	-83.26241	2017	New		
N	Undefined	Chickens		41.98017	-83.26056	2017	New		
N	Undefined	Chickens		41.98093	-83.26196	2017	New		
SSE	Garden		169.6114	41.94874	-83.25479	2017	Inactive	Active	Active
SSE	Residence		169.6114	41.94874	-83.25479	2017	Active	Active	Active
N	Garden		358.4900	41.99420	-83.25950	2017	Active	Active	Active

Sector	Type	Sub-Type	AZ	Lat	Long	Year	2017 Status	2016 Status	2015 Status
W	Garden		270.0996	41.96351	-83.33925	2017	Active	Active	Inactive
WSW	Garden		255.0406	41.94738	-83.33905	2017	Active	Active	Inactive
WSW	Garden		257.6295	41.95028	-83.33889	2017	Inactive	Active	Inactive
NNW	Garden		326.2700	41.97974	-83.27337	2017	Active	Active	Active
NW	Garden		319.2500	41.98910	-83.28820	2017	Inactive	Inactive	Active
NNW	Garden		332.0862	41.99631	-83.28186	2017	Active	Active	Inactive
NNW	Garden		346.7042	41.99945	-83.26987	2017	Active	New	Active
N	Undefined	Chickens	348.7658	42.00019	-83.26824	2017	Active	Active	Active
WNW	Meat	Cattle	286.7260	41.97028	-83.28917	2017	Active	Active	Active
WSW	Garden		244.4700	41.94115	-83.32125	2017	Active	Active	Active
N	Undefined	Chickens		42.03247	-83.26410	2017	New		
N	Undefined	Fowl		42.02834	-83.26385	2017	New		
NNW	Garden		334.8416	42.00818	-83.28671	2017	Inactive	Inactive	Active
NNW	Undefined	Chickens	92.2424	42.00832	-83.30196	2017	Active	Active	New
NW	Undefined	Chickens		42.00762	-83.33382	2017	New		
WNW	Undefined	Chickens	125.8872	41.97477	-83.32258	2017	Active	Active	New
WNW	Garden			41.97477	-83.32258	2017	Active	New	
WNW	Undefined	Chickens	96.9644	41.97710	-83.31898	2017	Active	Active	New
WNW	Garden			41.97535	-83.32028	2017	Active	New	
WNW	Undefined	Chickens		41.98547	-83.32046	2017	Active	New	
WNW	Garden			41.98409	-83.32042	2017	Inactive	New	
WNW	Undefined	Chickens		41.98250	-83.32034	2017	Active	New	
SSW	Garden			41.94162	-83.26565	2017	Inactive	New	
WSW	Garden		239.3546	41.93944	-83.31278	2017	Inactive	Inactive	Active
NNE	Meat	Cattle		42.00171	-83.24336	2017	New		

Sector	Type	Sub-Type	AZ	Lat	Long	Year	2017 Status	2016 Status	2015 Status
NNW	Residence		334.8598	41.97769	-83.26743	2017	Active	Active	Active
WNW	Milk	Goats	297.4315	41.97932	-83.29964	2017	Active	Active	Active
WNW	Undefined	Chickens		41.97932	-83.29964	2017	Active	New	
WNW	Milk	Goats	287.3186	41.97877	-83.32469	2017	Inactive	Inactive	Active
WNW	Garden			41.97877	-83.32469	2017	Active	New	
WNW	Undefined	Ducks	287.3186	41.97877	-83.32469	2017	Active	Active	Active
WNW	Undefined	Chickens		41.97877	-83.32469	2017	New		
WNW	Undefined	Chickens	297.9727	41.97895	-83.29778	2017	Inactive	Active	Active
WNW	Garden			41.97895	-83.29778	2017	New		
SSW	Residence		200.1000	41.94818	-83.26590	2017	Active	Active	Active
SW	Residence		229.2900	41.95147	-83.27706	2017	Active	Active	Active
WSW	Garden		245.1006	41.95250	-83.29000	2017	Inactive	Inactive	Active
WSW	Residence		236.3483	41.95222	-83.28101	2017	Active	Active	Active
WSW	Garden			41.95334	-83.29404	2017	Inactive	New	
NW	Garden			41.98806	-83.28583	2017	New		
S	Garden			41.94561	-83.25606	2017	New		
W	Garden		127.5713	41.96502	-83.33289	2017	Active	Active	New
N	Garden		354.2004	41.99554	-83.26280	2017	Inactive	Inactive	Active
NW	Garden		323.3800	41.99540	-83.29040	2017	Active	Active	Inactive
NW	Undefined	Chickens	317.1082	42.00078	-83.30513	2017	Inactive	Inactive	Active
NW	Garden		180.1051	41.99387	-83.28624	2017	Active	Active	New
NW	Garden			41.99079	-83.28653	2017	New		
NW	Undefined	Chickens		42.02258	-83.31208	2017	New		
W	Milk	Goats	259.2535	41.95916	-83.28849	2017	Active	Active	Active
W	Undefined	Chickens	259.2535	41.95916	-83.28849	2017	Active	Active	Active

Sector	Type	Sub-Type	AZ	Lat	Long	Year	2017 Status	2016 Status	2015 Status
W	Residence		259.1692	41.96016	-83.28123	2017	Active	Active	Active
W	Garden		260.8517	41.95972	-83.28917	2017	Inactive	Active	Active
N	Undefined	Ducks	168.3789	41.98979	-83.25884	2017	Inactive	Active	New
N	Undefined	Goats		41.98605	-83.25975	2017	Active	Inactive	Inactive
N	Garden			41.98991	-83.25780	2017	New		
N	Garden			42.02854	-83.25173	2017	Inactive	New	
N	Garden		357.2153	42.00300	-83.26100	2017	Active	Active	Active
N	Garden		356.5529	42.00241	-83.26157	2017	Active	Active	Active
NNE	Garden		19.3000	42.01690	-83.23320	2017	Active	Active	Active
N	Meat	Cattle		42.00670	-83.24956	2017	New		
WSW	Garden			41.92945	-83.33970	2017	New		
WSW	Garden		256.5031	41.95444	-83.30861	2017	Active	Active	Inactive
W	Garden		278.8530	41.96944	-83.31056	2017	Active	Active	Active
WSW	Garden		246.8316	41.94389	-83.31972	2017	Inactive	Inactive	Active

Errata from 2016 Report--None

END OF ANNUAL ENVIRONMENTAL OPERATING REPORT BODY

Appendix A

Sampling Locations

Direct Radiation Sample Locations

Table A-1

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
T1	NE/38°	1.3 mi.	Estral Beach, Pole on Lakeshore 23 Poles S of Lakeview. (Special Area)	Q	I
T2	NNE/22°	1.2 mi.	Pole at termination of Brancheau St. (Special Area)	Q	I
T3	N/9°	1.1 mi.	Pole, NW corner of Swan Boat Club fence. (Special Area)	Q	I
T4	NNW/337°	0.6 mi.	Site boundary and Toll Rd. on Site fence by API #2.	Q	I
T5	NW/313°	0.6 mi.	Site boundary and Toll Rd. on Site fence by API #3.	Q	I
T6	WNW/294°	0.6 mi.	On Site fence at south end of N. Bullet Rd.	Q	I
T7	W/270°	14.0 mi.	Pole, at Michigan Gas substation on N. Custer Rd., 0.66 miles west of Doty Rd.	Q	C
T8	NW/305°	1.9 mi.	Pole on Post Rd. near NE corner of Dixie Hwy. and Post Rd.	Q	I
T9	NNW/334°	1.5 mi.	Pole, NW corner of Trombley and Swan View Rd.	Q	I
T10	N/6°	2.1 mi.	Pole, S side of Massarant-2 poles W of Chinavare.	Q	I

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Direct Radiation Sample Locations (Table A-1 continued)

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
T11	NNE/23°	6.2 mi.	Pole, NE corner of Milliman and Jefferson.	Q	I
T12	NNE/29°	6.3 mi.	Pointe Mouille Game Area Field Office, Pole near tree, N area of parking lot.	Q	I
T13	N/356°	4.1 mi.	Labo and Dixie Hwy. Pole on SW corner with light.	Q	I
T14	NNW/337°	4.4 mi.	Labo and Brandon Pole on SE corner near RR.	Q	I
T15	NW/315°	3.9 mi.	Pole, behind building at the corner of Swan Creek and Mill St.	Q	I
T16	WNW/283°	4.9 mi.	Pole, SE corner of War and Post Rd.	Q	I
T17	W/271°	4.9 mi.	Pole, NE corner of Nadeau and Laprad near mobile home park.	Q	I
T18	WSW/247°	4.8 mi.	Pole, NE corner of Mentel and Hurd Rd.	Q	I
T19	SW/236°	5.2 mi.	Fermi siren pole on Waterworks Rd. NE corner of intersection - Sterling State Park Rd. Entrance Drive/Waterworks.	Q	I
T20	WSW/257°	2.7 mi.	Pole, S side of Williams Rd, 9 poles W of Dixie Hwy. (Special Area)	Q	I
T21	WSW/239°	2.7 mi.	Pole, N side of Pearl at Parkview Woodland Beach. (Special Area)	Q	I

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Direct Radiation Sample Locations (Table A-1 continued)

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
T22	S/172°	1.2 mi.	Pole, N side of Pointe Aux Peaux 2 poles W of Long - Site Boundary.	Q	I
T23	SSW/195°	1.1 mi.	Pole, S side of Pointe Aux Peaux 1 pole W of Huron next to Vent Pipe - Site Boundary.	Q	I
T24	SW/225°	1.2 mi.	Fermi Gate along Pointe Aux Peaux Rd. on fence wire W of gate Site Boundary.	Q	I
T25	WSW/252°	1.5 mi.	Pole, Toll Rd. - 12 poles S of Fermi Drive.	Q	I
T26	WSW/259°	1.1 mi.	Pole, Toll Rd. - 6 poles S of Fermi Drive.	Q	I
T27	SW/225°	6.8 mi.	Pole, NE corner of McMillan and East Front St. (Special Area)	Q	I
T28	SW/229°	10.7 mi.	Pole, N side of Mortar Creek between Hull and LaPlaisance.	Q	C
T29	WSW/237°	10.3 mi.	Pole, NE corner of S Dixie and Albain.	Q	C
T30	WSW/247°	7.8 mi.	E side S end of foot bridge, St. Mary's Park corner of Elm and Monroe St. (Special Area)	Q	I
T31	WSW/255°	9.6 mi.	1st pole W of entrance drive Milton "Pat" Munson Recreational Reserve on North Custer Rd.	Q	C

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Direct Radiation Sample Locations (Table A-1 continued)

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
T32	WNW/295°	10.3 mi.	Pole, corner of Stony Creek and Finzel Rd.	Q	C
T33	NW/317°	9.2 mi.	Pole, W side of Grafton Rd. 1 pole N of Ash and Grafton intersection.	Q	C
T34	NNW/338°	9.8 mi.	Pole, SW corner of Port Creek and Will-Carleton Rd.	Q	C
T35	N/359°	6.9 mi.	Pole, S Side of S Huron River Dr. across from Race St. (Special Area)	Q	I
T36	N/358°	9.1 mi.	Pole, NE corner of Gibraltar and Cahill Rd.	Q	C
T37	NNE/21°	9.8 mi.	Pole, S corner of Adams and Gibraltar across from Humbug Marina.	Q	C
T38	WNW/294°	1.7 mi.	Residence - 6594 N. Dixie Hwy.	Q	I
T39	S/176°	0.3 mi.	SE corner of Protected Area Fence (PAF).	Q	O
T40	S/170°	0.3 mi.	Midway along OBA - PAF.	Q	O
T41	SSE/161°	0.2 mi.	Midway between OBA and Shield Wall on PAF.	Q	O
T42	SSE/149°	0.2 mi.	Midway along Shield Wall on PAF.	Q	O
T43	SE/131°	0.1 mi.	Midway between Shield Wall and Aux Boilers on PAF.	Q	O
T44	ESE/109°	0.1 mi.	Opposite OSSF door on PAF.	Q	O

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Direct Radiation Sample Locations (Table A-1 continued)

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
T45	E/86°	0.1 mi.	NE Corner of PAF.	Q	O
T46	ENE/67°	0.2 mi.	NE side of barge slip on fence.	Q	O
T47	S/185°	0.1 mi.	South of Turbine Bldg. rollup door on PAF.	Q	O
T48	SW/235°	0.2 mi.	30 ft. from corner of AAP on PAF.	Q	O
T49	WSW/251°	1.1 mi.	Corner of Site Boundary fence north of NOC along Critical Path Rd.	Q	I
T50	W/270°	0.9 mi.	Site Boundary fence near main gate by the south Bullet Street sign.	Q	I
T51	N/3°	0.4 mi.	Site Boundary fence north of north Cooling Tower.	Q	O
T52	NNE/20°	0.4 mi.	Site Boundary fence at the corner of Arson and Tower.	Q	O
T53	NE/55°	0.2 mi.	Site Boundary fence east of South Cooling Tower.	Q	O
T54	S/189°	0.3 mi.	Pole next to Fermi 2 Visitors Center.	Q	O
T55	WSW/251°	3.3 mi.	Pole, north side of Nadeau Rd. across from Sodt Elementary School Marquee.	Q	I
T56	WSW/255°	4.9 mi.	Pole, entrance to Jefferson Middle School on Stony Creek Rd.	Q	I

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Direct Radiation Sample Locations (Table A-1 continued)

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
T57	W/260°	2.7 mi.	Pole, north side of Williams Rd. across from Jefferson High School entrance.	Q	I
T58	WSW/249°	4.9 mi.	Pole west of Hurd Elementary School Marquee.	Q	I
T59	NW/325°	2.6 mi.	Pole north of St. Charles Church entrance on Dixie Hwy.	Q	I
T60	NNW/341°	2.5 mi.	1st pole north of North Elementary School entrance on Dixie Hwy.	Q	I
T61	W/268°	10.1 mi.	Pole, SW corner of Stewart and Raisinville Rd.	Q	C
T62	SW/232°	9.7 mi.	Pole, NE corner of Albain and Hull Rd.	Q	C
T63	WSW/245°	9.6 mi.	Pole, NE corner of Dunbar and Telegraph Rd.	Q	C
T64	WNW/286°	0.2 mi.	West of switchgear yard on PAF.	Q	O
T65	NW/322°	0.1 mi.	PAF switchgear yard area NW of RHR complex.	Q	O
T66	NE/50°	0.1 mi.	Behind Bldg. 42 on PAF.	Q	O
T67	NNW/338°	0.2 mi.	Site Boundary fence West of South Cooling Tower.	Q	O
T68	WNW/303°	0.6 mi	Langton Rd. seven poles East of Leroux Rd.	Q	I
T69	NW/306°	0.8 mi	Langton Rd. five poles East of Leroux Rd.	Q	I
T70	NNW/333°	1.1 mi	Leroux Rd. last pole North of Fermi Dr.	Q	I
T71	WNW/300°	1.1 mi	Leroux Rd. six poles North of Fermi Dr.	Q	I

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Direct Radiation Sample Locations (Table A-1 continued)

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
ISFSI-1	WNW/302.3°	0.175 mi.	Center of west ISFSI fence.	Q	O
ISFSI-2	NW/310.2°	0.186 mi.	NW corner ISFSI fence.	Q	O
ISFSI-3	NW/313.2°	0.166 mi.	Center of north ISFSI fence.	Q	O
ISFSI-4	NW/315.6°	0.149 mi.	NE corner ISFSI fence.	Q	O
ISFSI-5	NW/305.4°	0.140 mi	Center of east ISFSI fence.	Q	O
ISFSI-6	WNW/294.1°	0.136 mi	SE corner ISFSI fence.	Q	O
ISFSI-7	WNW/293.0°	0.157 mi	Center of south ISFSI fence.	Q	O
ISFSI-8	WNW/293°	0.177 mi	SW corner ISFSI fence.	Q	O

I = Indicator *C = Control* *O = On-site* *Q = Quarterly*

Air Particulate and Air Iodine Sample Locations: **Table A-2**

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
API-1	NE/39°	1.4 mi.	Estral Beach Pole on Lakeshore, 18 Poles S of Lakeview (Nearest Community with highest X/Q).	W	I
API-2	NNW/337°	0.6 mi.	Site Boundary and Toll Road, on Site Fence by T-4.	W	I
API-3	NW/313°	0.6 mi.	Site Boundary and Toll Road, on Site Fence by T-5.	W	I
API-4	W/270°	14.0 mi.	Pole, at Michigan Gas substation on N. Custer Rd., 0.66 miles west of Doty Rd.	W	C
API-5	S/188°	1.2 mi.	Pole, N corner of Pointe Aux Peaux and Dewey Rd.	W	I
API-6	WNW/295°	0.6 mi.	Pole, Site Boundary and Toll Rd., by T-6	W	I

I = Indicator *C = Control* *W = Weekly*

Milk Sample Locations

Table A-3

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
M-8	WNW/289°	9.9 mi.	Calder Dairy - 9334 Finzel Rd.	M-SM	C
M-2*	NW/319°	5.4 mi.	Reaume Farm - 2705 E Labo.	M-SM	I

I = Indicator *C = Control* *M = Monthly* *SM = Semimonthly*

*Note: An indicator milk location was discontinued in 2016 due to shutdown of the milking operation. A replacement indicator location has not yet been found. (Reference D-1)

Vegetation Sample Locations

Table A-4

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
FP-1	NNE/21°	3.8 mi.	9501 Turnpike Highway.	M	I
FP-9	W/261°	10.9 mi.	4074 North Custer Road.	M	C
FP-HD1	NE/39°	1.4 mi.	Near highest D/Q offsite location in Sector C	M	I
FP-HD2	NW/315°	0.6 mi.	Near highest D/Q offsite location in Sector Q	M	I
FP-HD3	WNW/292°	0.6 mi.	Near highest D/Q offsite location in Sector P	M	I

I = Indicator *C = Control* *M = Monthly (when available)*

Drinking-Water Sample Locations

Table A-5

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
DW-1	S/174°	1.1 mi.	Monroe Water Station N Side of Pointe Aux Peaux 1/2 Block W of Long Rd.	M	I
DW-2	N/8°	18.5 mi.	Detroit Water Station 14700 Moran Rd, Allen Park.	M	C

I = Indicator *C = Control* *M = Monthly*

Surface-Water Sample Locations

Table A-6

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
SW-2	NNE/20°	11.7 mi.	DECo's Trenton Channel Power Plant Intake Structure (Screenhouse #1).	M	C
SW-3	SSE/160°	0.2 mi.	DECO's Fermi 2 General Service Water Intake Structure.	M	I

I = Indicator *C = Control* *M = Monthly*

Ground-Water Sample Locations

Table A-7

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
GW-1	S/175°	0.4 mi.	Approx. 100 ft W of Lake Erie, EF-1 Parking lot near gas fired peakers.	Q	I
GW-2	SSW/208°	1.0 mi.	4 ft S of Pointe Aux Peaux (PAP) Rd. Fence 427 ft W of where PAP crosses over Stoney Point's Western Dike.	Q	I
GW-3	SW/226°	1.0 mi.	143 ft W of PAP Rd. Gate, 62 ft N of PAP Rd. Fence.	Q	I
GW-4	WNW/299°	0.6 mi.	42 ft S of Langton Rd, 8 ft E of Toll Rd. Fence.	Q	C

I = Indicator *C = Control* *Q = Quarterly*

Sediment Sample Locations

Table A-8

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
S-1	SSE/165°	0.9 mi.	Pointe Aux Peaux, Shoreline to 500 ft offshore sighting directly to Land Base Water Tower.	SA	I
S-2	E/81°	0.2 mi.	Fermi 2 Discharge, approx. 200 ft offshore.	SA	I
S-3	NE/39°	1.1 mi.	Estral Beach, approx. 200 ft offshore, off North shoreline where Swan Creek and Lake Erie meet.	SA	I
S-4	WSW/241°	3.0 mi.	Indian Trails Community Beach.	SA	I
S-5	NNE/20°	11.7 mi.	DECo's Trenton Channel Power Plant intake area.	SA	C

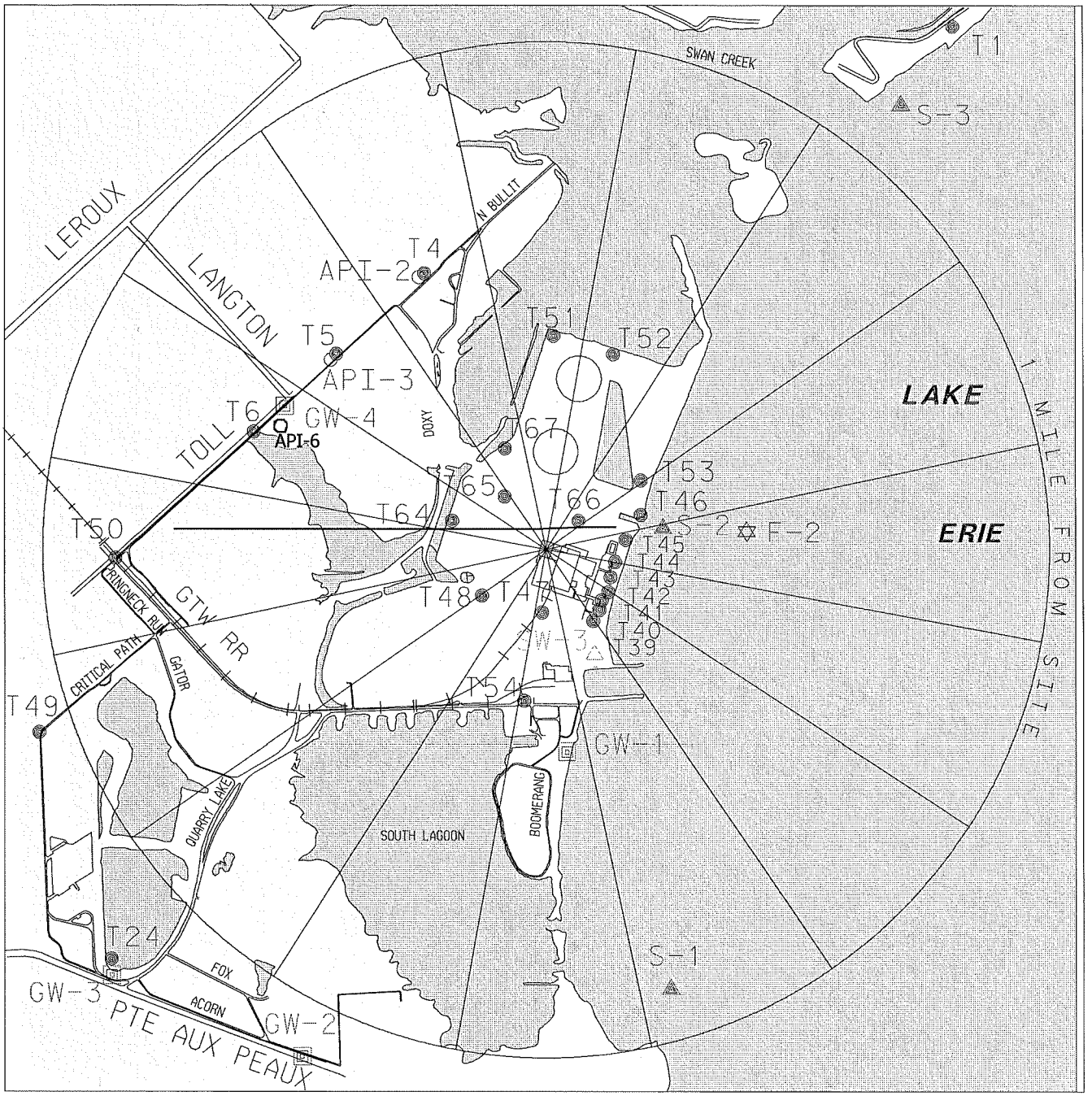
I = Indicator *C = Control* *SA = Semiannually*

Fish Sample Locations

Table A-9

Station Number	Meteorological Sector/Azimuth (Degrees)	Distance from Reactor (Approx.)	Description	Collection Frequency	Type
F-1	NNE/31°	9.5 mi.	Near Celeron Island.	SA	C
F-2	E/86°	0.4 mi.	Fermi 2 Discharge (approx. 1200 ft offshore).	SA	I
F-3	SW/227°	3.5 mi.	Brest Bay.	SA	C

I = Indicator *C = Control* *SA = Semiannually*



MAP - 1
SAMPLING LOCATIONS
BY STATION NUMBER
WITHIN 1 MILE

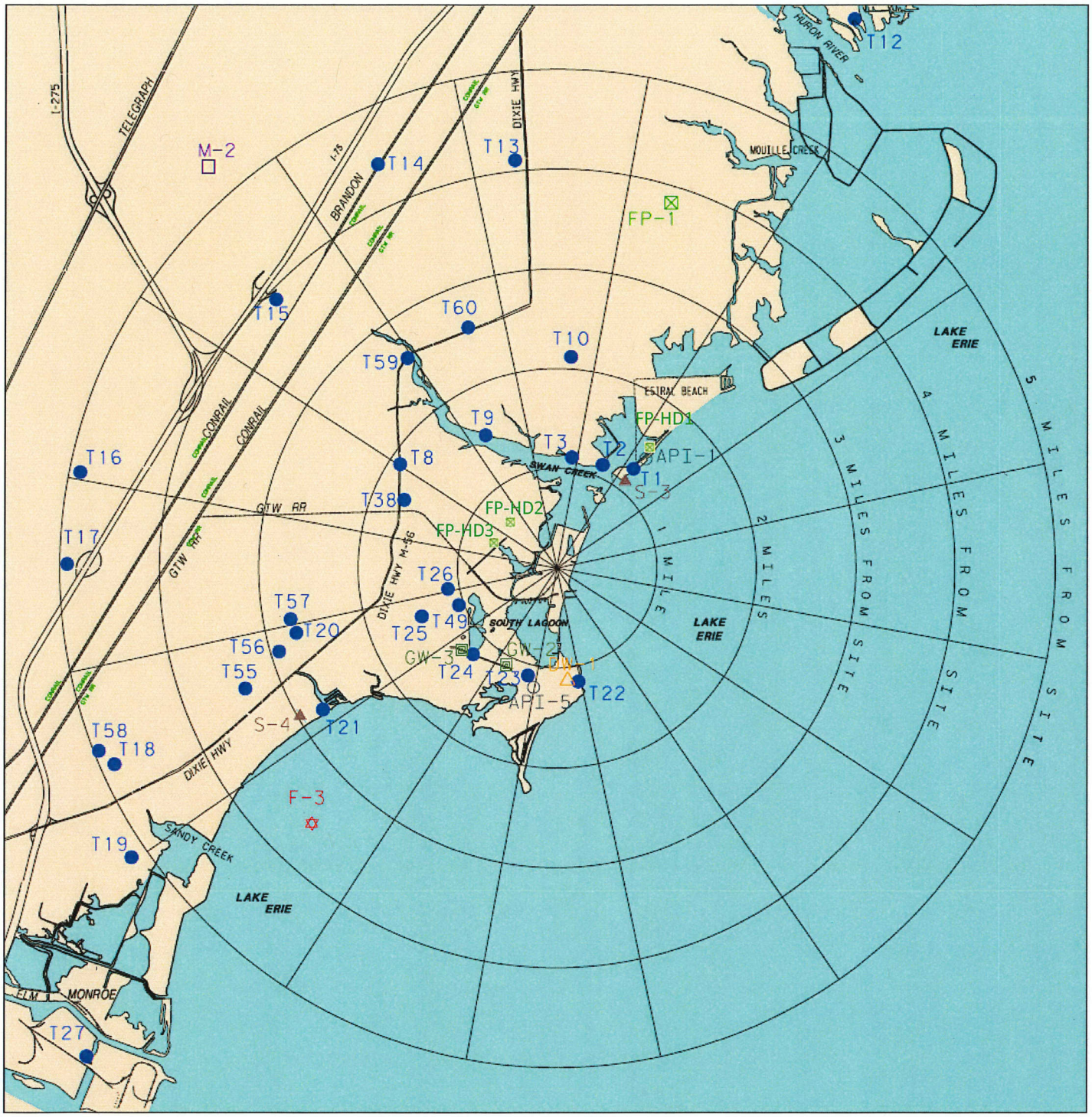
N

LEGEND

- T- DIRECT RADIATION
- API- AIR PARTICULATES/AIR IODINE
- S- SEDIMENTS
- DW/SW- DRINKING WATER/SURFACE WATER
- GW- GROUND WATER
- M- MILK
- FP- FOOD PRODUCTS
- F- FISH

0 0.5

SCALE IN MILES



MAP - 2
SAMPLING LOCATIONS
BY STATION NUMBER
(1 To 5 MILES)

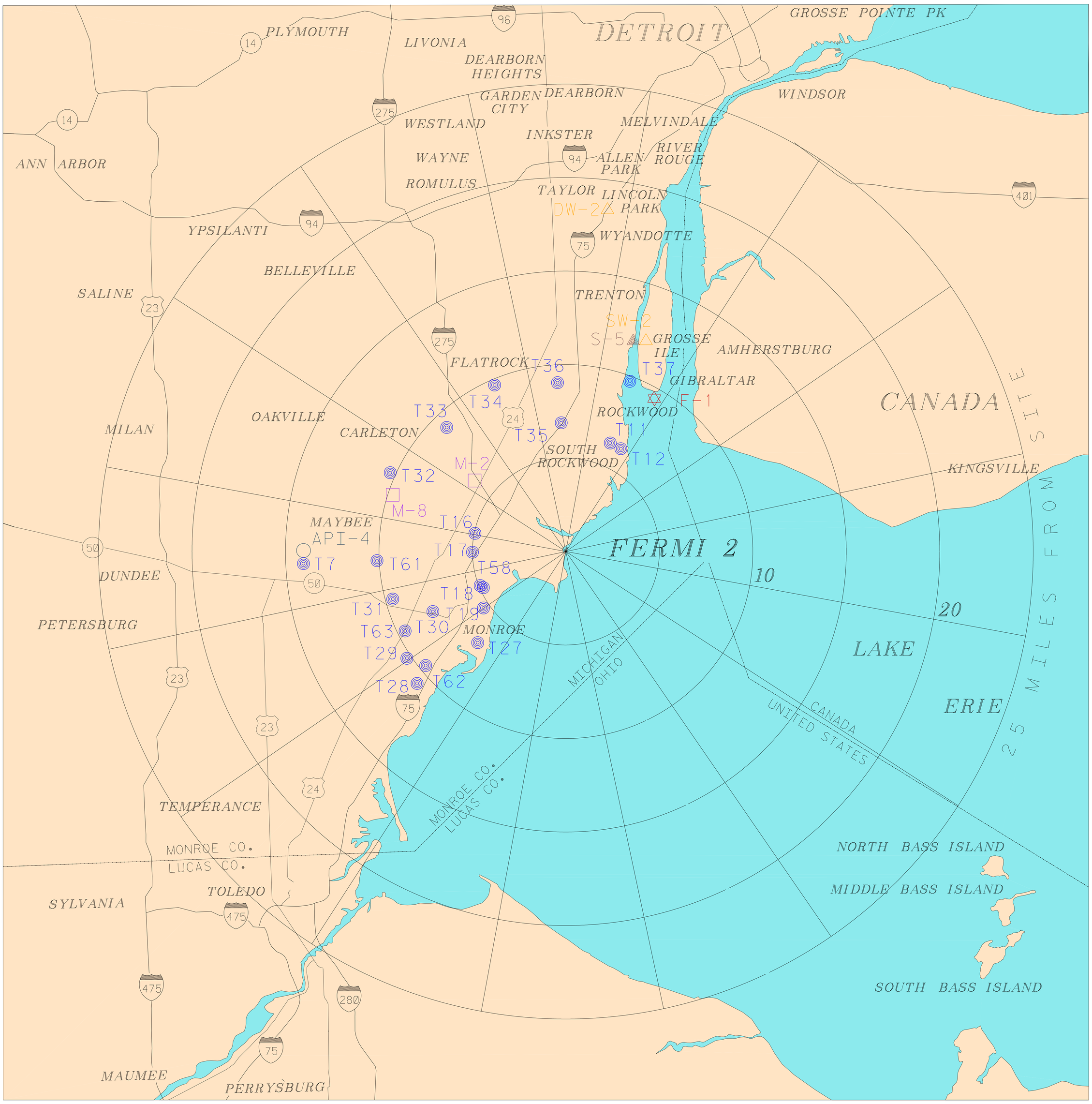
N

LEGEND

- T- DIRECT RADIATION
- API- AIR PARTICULATES/AIR IODINE
- S- SEDIMENTS
- DW/SW- DRINKING WATER/SURFACE WATER
- GW- GROUND WATER
- M- MILK
- FP- FOOD PRODUCTS
- F- FISH

0 1

SCALE IN MILES



MAP - 3
SAMPLING LOCATIONS
BY STATION NUMBER
(GREATER THAN 5 MILES)

LEGEND

- T- DIRECT RADIATION
- API- AIR PARTICULATES OR AIR IODINE
- S- SEDIMENTS
- DW/SW- DRINKING WATER/SURFACE WATER
- GW- GROUND WATER
- M- MILK
- FP- FOOD PRODUCTS
- F- FISH

N

5 0 5 10

SCALE IN MILES

Appendix B

Environmental Data Summary

Appendix B

Environmental Data Summary

Table B-1 Radiological Environmental Monitoring Program Summary

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean: Location (e)	Location with Highest Annual Mean: Mean and Range (d)	Control Locations Mean and Range (d)	Number of Non-routine Results (f)
Direct Radiation *mR/std qtr* (a)	Gamma (TLD) 208	1.0	14.3 (164/164) 11.3 to 18.9	T-49 (Indicator)	17.6 (4/4) 16.8 to 18.7	13.8 (44/44) 11.9 to 15.9	None
Airborne Particulates *pCi/cu. m.*	Gross Beta 312	1.00E-2	2.78E-2 (260/260) 1.14E-2 to 6.05E-2	API-1 (Indicator)	3.21E-2 (52/52) 1.17E-2 to 5.71E-2	2.81E-2 (52/52) 1.31E-2 to 6.62E-2	None
	Gamma Spec. 24						
	Be-7	N/A	7.16E-2 (20/20) 4.88E-2 to 1.16E-1	API-1 (Indicator)	8.66E-2 (4/4) 5.08E-2 to 1.16E-1	6.97E-2 (4/4) 6.44E-2 to 7.43E-2	None
	K-40	N/A	≤MDC	API-4 (Control)	1.55E-2 (1/4)	1.55E-2 (1/4)	None
	Mn-54	N/A	≤MDC			<MDC	None
	Co-58	N/A	≤MDC			<MDC	None
	Fe-59	N/A	≤MDC			<MDC	None
	Co-60	N/A	≤MDC			<MDC	None
	Zn-65	N/A	≤MDC			<MDC	None
	Zr-95	N/A	≤MDC			<MDC	None
	Nb-95	N/A	≤MDC			<MDC	None
	Ru-103	N/A	≤MDC			<MDC	None
	Ru-106	N/A	≤MDC			<MDC	None
	Cs-134	5.00E-2	≤MDC			<MDC	None
	Cs-137	6.00E-2	≤MDC			<MDC	None
	Ba-140	N/A	≤MDC			<MDC	None
	La-140	N/A	≤MDC			<MDC	None
	Ce-141	N/A	≤MDC			<MDC	None
	Ce-144	N/A	≤MDC			<MDC	None
Airborne Iodine *pCi/cu. m.*	I-131 312	7.00E-2	≤MDC			<MDC	None

Table B-1 Radiological Environmental Monitoring Program Summary (cont.)

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean: Location (e)	Location with Highest Annual Mean: Mean and Range (d)	Control Locations Mean and Range (d)	Number of Non-routine Results (f)
Milk	I-131 36	1.00E+0	≤MDC			≤MDC	None
pCi/l	Sr-89 36	N/A	≤MDC			≤MDC	None
	Sr-90	N/A	≤MDC				None
	Gamma Spec. 36						
	Be-7	N/A	≤MDC			≤MDC	None
	K-40	N/A	No indicator location in 2017	M-8 (Control)	1.39E+3 (36/36) 1.28E+3 to 1.48E+3	1.39E+3 (36/36) 1.28E+3 to 1.48E+3	None
	Mn-54	N/A	≤MDC			≤MDC	None
	Co-58	N/A	≤MDC			≤MDC	None
	Fe-59	N/A	≤MDC			≤MDC	None
	Co-60	N/A	≤MDC			≤MDC	None
	Zn-65	N/A	≤MDC			≤MDC	None
	Zr-95	N/A	≤MDC			≤MDC	None
	Nb-95	N/A	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	1.50E+1	≤MDC			≤MDC	None
	Cs-137	1.80E+1	≤MDC			≤MDC	None
	Ba-140	1.50E+1	≤MDC			≤MDC	None
	La-140	1.50E+1	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None
	Ce-144	N/A	≤MDC			≤MDC	None
Vegetation	I-131 9	6.00E+1	≤MDC			≤MDC	None
pCi/kg wet	Gamma Spec. 9						
	Be-7	N/A	2.75E+2 (4/5) 1.71E+2 to 4.08E+2	FP-9 (Control)	3.20E+2 (3/4) 2.22E+2 to 5.13E+2	3.20E+2 (3/4) 2.22E+2 to 5.13E+2	None
	K-40	N/A	7.31E+3 (5/5) 3.37E+3 to 1.44E+4	FP-1 (Indicator)	7.31E+3 (5/5) 3.37E+3 to 1.44E+4	5.68E+3 (4/4) 4.48E+3 to 7.18E+3	None
	Th-228	N/A	8.05E+1 (1/5)	FP-1 (Indicator)	8.05E+1 (1/5)	4.34E+1 (1/4)	None

Table B-1 Radiological Environmental Monitoring Program Summary (cont.)

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean		Control Locations Mean and Range (d)	Number of Non-routine Results (f)
				Location (e)	Mean and Range(d)		
Vegetation (cont.) *pCi/kg wet*	Mn-54	N/A	≤MDC			≤MDC	None
	Co-58	N/A	≤MDC			≤MDC	None
	Fe-59	N/A	≤MDC			≤MDC	None
	Co-60	N/A	≤MDC			≤MDC	None
	Zn-65	N/A	≤MDC			≤MDC	None
	Zr-95	N/A	≤MDC			≤MDC	None
	Nb-95	N/A	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	6.00E+1	≤MDC			≤MDC	None
	Cs-137	8.00E+1	≤MDC			≤MDC	None
	Ba-140	N/A	≤MDC			≤MDC	None
	La-140	N/A	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None
	Ce-144	N/A	≤MDC			≤MDC	None
	Ac-228	N/A	≤MDC			≤MDC	None
	Th-228	N/A	≤MDC			≤MDC	None
Drinking Water *pCi/l*	Gross Beta 36	4.00E+0	≤MDC			3.91E+0 (1/12)	None
	Sr-89 36	N/A	≤MDC			≤MDC	None
	Sr-90	N/A	≤MDC			≤MDC	None
	Gamma Spec. 36						
	Be-7	N/A	≤MDC			≤MDC	None
	K-40	N/A	≤MDC			≤MDC	None
	Cr-51	N/A	≤MDC			≤MDC	None
	Mn-54	1.50E+1	≤MDC			≤MDC	None
	Co-58	1.50E+1	≤MDC			≤MDC	None
	Fe-59	3.00E+1	≤MDC			≤MDC	None
	Co-60	1.50E+1	≤MDC			≤MDC	None
	Zn-65	3.00E+1	≤MDC			≤MDC	None

Table B-1 Radiological Environmental Monitoring Program Summary (cont.)

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean: Location (e)	Location with Highest Annual Mean: Mean and Range (d)	Control Locations Mean and Range (d)	Number of Non-routine Results (f)
Drinking Water *pCi/l*	Zr-95	1.50E+1	≤MDC			≤MDC	None
	Nb-95	1.50E+1	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	1.50E+1	≤MDC			≤MDC	None
	Cs-137	1.80E+1	≤MDC			≤MDC	None
	Ba-140	1.50E+1	≤MDC			≤MDC	None
	La-140	1.50E+1	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None
	Ce-144	N/A	≤MDC			≤MDC	None
	H-3 12	2.00E+3	≤MDC			≤MDC	None
Surface Water *pCi/l*	Sr-89 36	N/A	≤MDC			≤MDC	None
	Sr-90	N/A	≤MDC			≤MDC	None
	Gamma Spec. 36						
	Be-7	N/A	≤MDC			≤MDC	None
	K-40	N/A	2.77E+1 (2/24) 2.58E+1 to 2.95E+1			≤MDC	None
	Cr-51	N/A	≤MDC			≤MDC	None
	Mn-54	1.50E+1	≤MDC			≤MDC	None
	Co-58	1.50E+1	≤MDC			≤MDC	None
	Fe-59	3.00E+1	≤MDC			≤MDC	None
	Co-60	1.50E+1	≤MDC			≤MDC	None
	Zn-65	3.00E+1	≤MDC			≤MDC	None
	Zr-95	1.50E+1	≤MDC			≤MDC	None
	Nb-95	1.50E+1	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	1.50E+1	≤MDC			≤MDC	None
	Cs-137	1.80E+1	≤MDC			≤MDC	None
	Ba-140	1.50E+1	≤MDC			≤MDC	None
	La-140	1.50E+1	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None

Table B-1 Radiological Environmental Monitoring Program Summary (cont.)

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean: Location (e)	Location with Highest Annual Mean: Mean and Range (d)	Control Locations Mean and Range (d)	Number of Non-routine Results (f)
Surface Water (cont.) *pCi/l*	Ce-144	N/A	≤MDC			≤MDC	None
	Th-228	N/A	≤MDC			≤MDC	None
	H-3 12	2.00E+3	≤MDC			≤MDC	None
Groundwater *pCi/l*	Gamma Spec. 20						
	Be-7	N/A	≤MDC			≤MDC	None
	K-40	N/A	≤MDC			≤MDC	None
	Cr-51	N/A	≤MDC			≤MDC	None
	Mn-54	1.50E+1	≤MDC			≤MDC	None
	Co-58	1.50E+1	≤MDC			≤MDC	None
	Fe-59	3.00E+1	≤MDC			≤MDC	None
	Co-60	1.50E+1	≤MDC			≤MDC	None
	Zn-65	3.00E+1	≤MDC			≤MDC	None
	Zr-95	1.50E+1	≤MDC			≤MDC	None
	Nb-95	1.50E+1	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	1.50E+1	≤MDC			≤MDC	None
	Cs-137	1.80E+1	≤MDC			≤MDC	None
	Ba-140	1.50E+1	≤MDC			≤MDC	None
	La-140	1.50E+1	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None
	Ce-144	N/A	≤MDC			≤MDC	None
	Th-228	N/A	4.25E+0 (2/12) 4.23E+0 to 4.27E+0	GW-3 (Indicator)	4.27E+0 (1/4)	4.72E+0 (2/8) 4.31E+0 to 5.12E+0	None
	H-3 16	2.00E+3	≤MDC			≤MDC	None
Sediment *pCi/kg dry*	Sr-89 10	N/A	≤MDC			≤MDC	
	Sr-90	N/A	≤MDC			≤MDC	None
	Gamma Spec. 10						
	Be-7	N/A	8.65E+2 (1/8)	S-1 (Indicator)	8.65E+2 (1/8)	≤MDC	None
	K-40	N/A	1.31E+4 (8/8) 5.71E+3 to 2.01E+4	S-2 (Indicator)	1.94E+4 (2/2) 1.86E+4 to 2.01E+4	1.33E+4 (2/2) 1.30E+4 to 1.36E+4	None

Table B-1 Radiological Environmental Monitoring Program Summary (cont.)

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean: Location (e)	Location with Highest Annual Mean: Mean and Range (d)	Control Locations Mean and Range (d)	Number of Non-routine Results (f)
Sediment (cont.) *pCi/kg dry*	Thallium-208	N/A	1.68E+2 (7/8) 6.27E+1 to 3.83E+2	S-2 (Indicator)	3.36E+2 (2/2) 2.89E+2 to 3.83E+2	1.86E+2 (2/2) 1.56E+2 to 2.15E+2	None
	Lead-212	N/A	4.98E+2 (8/8) 1.71E+2 to 1.09E+3	S-2 (Indicator)	1.06E+3 (2/2) 1.03E+3 to 1.09E+3	7.17E+2 (2/2) 6.80E+2 to 7.54E+2	None
	Bismuth-214	N/A	6.35E+2 (7/8) 1.24E+2 to 1.49E+3	S-2 (Indicator)	1.28E+3 (2/2) 1.06E+3 to 1.49E+3	5.64E+2 (2/2) 5.22E+2 to 6.06E+2	None
	Lead-214	N/A	5.42E+2 (8/8) 1.49E+2 to 1.57E+3	S-2 (Indicator)	1.44E+3 (2/2) 1.30E+3 to 1.57E+3	7.16E+2 (2/2) 6.16E+2 to 8.15E+2	None
	Radium-226	N/A	6.35E+2 (7/8) 1.24E+2 to 1.49E+3	S-2 (Indicator)	1.28E+3 (2/2) 1.06E+3 to 1.49E+3	5.64E+2 (2/2) 5.22E+2 to 3.66E+2	None
	Actinium-228	N/A	4.97E+2 (8/8) 1.27E+2 to 1.01E+3	S-2 (Indicator)	9.16E+2 (2/2) 8.22E+2 to 1.01E+3	6.50E+2 (2/2) 6.24E+2 to 6.75E+2	None
	Thorium-228	N/A	4.90E+2 (8/8) 1.71E+2 to 1.09E+3	S-2 (Indicator)	1.06E+3 (2/2) 1.03E+3 to 1.09E+3	7.17E+2 (2/2) 6.80E+2 to 7.54E+2	None
	Thorium-230	N/A	6.35E+2 (7/8) 1.24E+2 to 1.49E+3	S-2 (Indicator)	1.28E+3 (2/2) 1.06E+3 to 1.49E+3	5.64E+2 (2/2) 5.22E+2 to 6.06E+2	None
	Mn-54	N/A	≤MDC			≤MDC	None
	Co-58	N/A	≤MDC			≤MDC	None
	Fe-59	N/A	≤MDC			≤MDC	None
	Co-60	N/A	≤MDC			≤MDC	None
	Zn-65	N/A	≤MDC			≤MDC	None
	Zr-95	N/A	≤MDC			≤MDC	None
	Nb-95	N/A	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	1.50E+2	≤MDC			≤MDC	None
	Cs-137	1.80E+2	9.07E+1 (1/8)	S-5 (Control)	1.11E+2 (1/2)	1.11E+2 (1/2)	None
	Ba-140	N/A	≤MDC			≤MDC	None
	La-140	N/A	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None
	Ce-144	N/A	≤MDC			≤MDC	None

Table B-1 Radiological Environmental Monitoring Program Summary (cont.)

Name of Facility: Enrico Fermi Unit 2 Docket No.: 50-341 Reporting Period: January - December 2017
Location of Facility: 30 miles southeast of Detroit, Michigan (Frenchtown Township)

Sample Type (Units)	Type and Number of Analysis	LLD (b)	Indicator Locations Mean and Range (d)	Location with Highest Annual Mean: Location (e)	Location with Highest Annual Mean: Mean and Range (d)	Control Locations Mean and Range (d)	Number of Non-routine Results (f)
Fish	Sr-89 21	N/A	≤MDC			≤MDC	None
pCi/kg wet	Sr-90	N/A	≤MDC			≤MDC	None
	Gamma Spec. 21						
	Be-7	N/A	≤MDC			≤MDC	None
	K-40	N/A	2.86E+3 (7/7)	F-1 (Control)	3.13E+3 (5/5)	3.04E+3 (14/14)	None
			2.28E+3 to 3.47E+3		2.74E+3 to 3.84E+3	2.29E+3 to 3.84E+3	
	Mn-54	1.30E+2	≤MDC			≤MDC	None
	Co-58	1.30E+2	≤MDC			≤MDC	None
	Fe-59	2.60E+2	≤MDC			≤MDC	None
	Co-60	1.30E+2	≤MDC			≤MDC	None
	Zn-65	2.60E+2	≤MDC			≤MDC	None
	Zr-95	N/A	≤MDC			≤MDC	None
	Nb-95	N/A	≤MDC			≤MDC	None
	Ru-103	N/A	≤MDC			≤MDC	None
	Ru-106	N/A	≤MDC			≤MDC	None
	Cs-134	1.30E+2	≤MDC			≤MDC	None
	Cs-137	1.50E+2	≤MDC			≤MDC	None
	Ba-140	N/A	≤MDC			≤MDC	None
	La-140	N/A	≤MDC			≤MDC	None
	Ce-141	N/A	≤MDC			≤MDC	None
	Ce-144	N/A	≤MDC			≤MDC	None
	Th-228	N/A	≤MDC			≤MDC	

(a) Direct Radiation mean, range, and total analyses values are for off-site TLDs. Onsite TLDs are not included in this table.
(b) LLD = Fermi 2 ODCM LLD: nominal lower limit of detection based on 4.66 sigma error for background sample.
(c) ≤MDC = Less than or equal to the lab's minimum detectable activity which is less than the LLD.
(d) Mean and range based upon detectable measurements only, defined as cases of the result exceeding the MDC (see Appendix C for sample analysis results). Fraction of detectable measurements at specified locations is indicated in parentheses.
(e)Locations are specified by Fermi 2 ODCM and are described in Appendix A: Sampling Locations.
(f) Non-routine results are those which are reportable according to Fermi 2 ODCM control 3.12.1.

Appendix C

Environmental Data Tables

NOTES

Missed Samples

(a) TLD Missing
(b) Missed sample due to equipment failure

Laboratory Qualifiers

U: Target isotope was analyzed for but not detected above the MDC and LLD.
UI: Uncertain identification for gamma spectroscopy.
The indicated nuclide is considered not to be detected with this qualifier.
M: Reported result is less than the LLD and greater than the MDC.
Radioactivity is considered to be detected in a sample with this qualifier.
DL: MDC > LLD
No qualifier: Radioactivity is detected in the sample, above the MDC.

API-1

A.C. Iodine

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-1(413597007) - A.C. Iodine	3-Jan-17	Iodine-131	3.35E-06	2.89E-06	1.09E-05	7.00E-05	2.99E-06	pCi/L	U
API-1(414095007) - A.C. Iodine	10-Jan-17	Iodine-131	-4.30E-06	3.59E-06	7.42E-06	7.00E-05	3.73E-06	pCi/L	U
API-1(414524007) - A.C. Iodine	17-Jan-17	Iodine-131	-5.27E-06	4.97E-06	1.20E-05	7.00E-05	5.12E-06	pCi/L	U
API-1(414983007) - A.C. Iodine	24-Jan-17	Iodine-131	9.39E-07	5.70E-06	1.91E-05	7.00E-05	5.70E-06	pCi/L	U
API-1(415482007) - A.C. Iodine	31-Jan-17	Iodine-131	1.01E-06	4.20E-06	1.50E-05	7.00E-05	4.20E-06	pCi/L	U
API-1(415920007) - A.C. Iodine	7-Feb-17	Iodine-131	-4.72E-06	2.62E-06	7.40E-06	7.00E-05	2.84E-06	pCi/L	U
API-1(416626007) - A.C. Iodine	13-Feb-17	Iodine-131	-4.91E-06	6.11E-06	1.68E-05	7.00E-05	6.21E-06	pCi/L	U
API-1(417081007) - A.C. Iodine	21-Feb-17	Iodine-131	1.97E-06	3.57E-06	1.25E-05	7.00E-05	3.60E-06	pCi/L	U
API-1(417566007) - A.C. Iodine	28-Feb-17	Iodine-131	-1.13E-06	8.36E-06	2.65E-05	7.00E-05	8.36E-06	pCi/L	U
API-1(418028007) - A.C. Iodine	7-Mar-17	Iodine-131	-9.55E-07	1.99E-06	5.27E-06	7.00E-05	2.00E-06	pCi/L	U
API-1(418593007) - A.C. Iodine	14-Mar-17	Iodine-131	-5.99E-06	4.51E-06	1.07E-05	7.00E-05	4.72E-06	pCi/L	U
API-1(419040007) - A.C. Iodine	21-Mar-17	Iodine-131	-2.30E-06	5.69E-06	1.84E-05	7.00E-05	5.71E-06	pCi/L	U
API-1(419454007) - A.C. Iodine	28-Mar-17	Iodine-131	-2.84E-06	5.05E-06	1.57E-05	7.00E-05	5.10E-06	pCi/L	U
API-1(419858007) - A.C. Iodine	4-Apr-17	Iodine-131	-8.18E-06	4.55E-06	9.11E-06	7.00E-05	4.93E-06	pCi/L	U
API-1(420455007) - A.C. Iodine	11-Apr-17	Iodine-131	5.54E-06	3.46E-06	1.32E-05	7.00E-05	3.69E-06	pCi/L	U
API-1(421024007) - A.C. Iodine	18-Apr-17	Iodine-131	-4.71E-06	4.83E-06	1.22E-05	7.00E-05	4.95E-06	pCi/L	U
API-1(421505007) - A.C. Iodine	25-Apr-17	Iodine-131	-1.01E-06	4.91E-06	1.55E-05	7.00E-05	4.91E-06	pCi/L	U
API-1(422177007) - A.C. Iodine	2-May-17	Iodine-131	3.73E-06	1.01E-05	3.51E-05	7.00E-05	1.01E-05	pCi/L	U
API-1(422744007) - A.C. Iodine	9-May-17	Iodine-131	1.01E-05	5.12E-06	2.39E-05	7.00E-05	5.64E-06	pCi/L	U
API-1(423341007) - A.C. Iodine	16-May-17	Iodine-131	3.55E-06	5.66E-06	2.08E-05	7.00E-05	5.72E-06	pCi/L	U
API-1(423912007) - A.C. Iodine	23-May-17	Iodine-131	2.26E-06	4.19E-06	1.56E-05	7.00E-05	4.22E-06	pCi/L	U
API-1(424308007) - A.C. Iodine	30-May-17	Iodine-131	-7.66E-06	7.81E-06	2.19E-05	7.00E-05	8.01E-06	pCi/L	U
API-1(424711007) - A.C. Iodine	5-Jun-17	Iodine-131	2.42E-06	6.39E-06	2.32E-05	7.00E-05	6.42E-06	pCi/L	U
API-1(425398007) - A.C. Iodine	13-Jun-17	Iodine-131	3.68E-06	3.87E-06	1.55E-05	7.00E-05	3.96E-06	pCi/L	U
API-1(425913007) - A.C. Iodine	20-Jun-17	Iodine-131	1.11E-05	4.91E-06	2.14E-05	7.00E-05	5.56E-06	pCi/L	U
API-1(426684007) - A.C. Iodine	27-Jun-17	Iodine-131	2.52E-06	5.94E-06	2.13E-05	7.00E-05	5.97E-06	pCi/L	U
API-1(427151007) - A.C. Iodine	3-Jul-17	Iodine-131	2.12E-06	2.96E-06	1.06E-05	7.00E-05	3.00E-06	pCi/L	U
API-1(427621007) - A.C. Iodine	11-Jul-17	Iodine-131	2.56E-06	3.24E-06	1.21E-05	7.00E-05	3.29E-06	pCi/L	U
API-1(428221007) - A.C. Iodine	18-Jul-17	Iodine-131	-6.38E-06	6.04E-06	1.54E-05	7.00E-05	6.22E-06	pCi/L	U
API-1(428869007) - A.C. Iodine	25-Jul-17	Iodine-131	6.40E-06	5.92E-06	2.31E-05	7.00E-05	6.10E-06	pCi/L	U
API-1(429483007) - A.C. Iodine	1-Aug-17	Iodine-131	-4.18E-06	6.71E-06	2.01E-05	7.00E-05	6.78E-06	pCi/L	U
API-1(430147007) - A.C. Iodine	8-Aug-17	Iodine-131	-2.47E-06	4.77E-06	1.45E-05	7.00E-05	4.80E-06	pCi/L	U
API-1(430764007) - A.C. Iodine	15-Aug-17	Iodine-131	-3.82E-07	6.59E-06	2.16E-05	7.00E-05	6.59E-06	pCi/L	U
API-1(431253007) - A.C. Iodine	22-Aug-17	Iodine-131	-7.82E-06	6.63E-06	1.76E-05	7.00E-05	6.88E-06	pCi/L	U
API-1(431755007) - A.C. Iodine	29-Aug-17	Iodine-131	6.82E-07	4.12E-06	1.42E-05	7.00E-05	4.12E-06	pCi/L	U
API-1(432204007) - A.C. Iodine	5-Sep-17	Iodine-131	2.64E-06	4.75E-06	1.78E-05	7.00E-05	4.79E-06	pCi/L	U
API-1(432595007) - A.C. Iodine	12-Sep-17	Iodine-131	6.63E-06	4.25E-06	1.83E-05	7.00E-05	4.53E-06	pCi/L	U
API-1(433187007) - A.C. Iodine	19-Sep-17	Iodine-131	-2.24E-06	3.99E-06	1.15E-05	7.00E-05	4.03E-06	pCi/L	U
API-1(433669007) - A.C. Iodine	26-Sep-17	Iodine-131	-7.61E-06	5.40E-06	1.35E-05	7.00E-05	5.69E-06	pCi/L	U
API-1(434161007) - A.C. Iodine	3-Oct-17	Iodine-131	-6.22E-06	4.90E-06	1.06E-05	7.00E-05	5.11E-06	pCi/L	U
API-1(434801007) - A.C. Iodine	10-Oct-17	Iodine-131	-4.05E-06	4.21E-06	1.02E-05	7.00E-05	4.32E-06	pCi/L	U
API-1(435378007) - A.C. Iodine	17-Oct-17	Iodine-131	4.24E-06	5.31E-06	2.02E-05	7.00E-05	5.40E-06	pCi/L	U

API-1(436154007) - A.C. Iodine	24-Oct-17	Iodine-131	-2.77E-06	5.23E-06	1.60E-05	7.00E-05	5.27E-06	pCi/L	U
API-1(436871007) - A.C. Iodine	31-Oct-17	Iodine-131	-1.97E-06	6.62E-06	2.17E-05	7.00E-05	6.64E-06	pCi/L	U
API-1(437291007) - A.C. Iodine	7-Nov-17	Iodine-131	-6.14E-06	5.50E-06	1.39E-05	7.00E-05	5.69E-06	pCi/L	U
API-1(437887007) - A.C. Iodine	14-Nov-17	Iodine-131	3.72E-06	5.59E-06	2.14E-05	7.00E-05	5.66E-06	pCi/L	U
API-1(438506007) - A.C. Iodine	21-Nov-17	Iodine-131	1.55E-05	7.94E-06	3.47E-05	7.00E-05	8.73E-06	pCi/L	U
API-1(438787007) - A.C. Iodine	28-Nov-17	Iodine-131	-6.01E-06	5.71E-06	1.66E-05	7.00E-05	5.88E-06	pCi/L	U
API-1(439178007) - A.C. Iodine	4-Dec-17	Iodine-131	-7.89E-06	5.00E-06	1.02E-05	7.00E-05	5.33E-06	pCi/L	U
API-1(439975007) - A.C. Iodine	12-Dec-17	Iodine-131	2.01E-06	2.43E-06	7.71E-06	7.00E-05	2.48E-06	pCi/L	U
API-1(440418007) - A.C. Iodine	19-Dec-17	Iodine-131	-2.44E-06	3.14E-06	9.30E-06	7.00E-05	3.19E-06	pCi/L	U
API-1(440779007) - A.C. Iodine	27-Dec-17	Iodine-131	7.05E-06	4.69E-06	1.88E-05	7.00E-05	4.97E-06	pCi/L	U

API-1

A.P. Gross Beta

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-1(413597001) - A.P. Gross Beta	3-Jan-17	BETA	5.71E-05	3.26E-06	2.52E-06	1.00E-05	3.32E-06	pCi/L	
API-1(414095001) - A.P. Gross Beta	10-Jan-17	BETA	4.05E-05	2.75E-06	2.43E-06	1.00E-05	2.78E-06	pCi/L	
API-1(414524001) - A.P. Gross Beta	17-Jan-17	BETA	3.81E-05	2.72E-06	2.51E-06	1.00E-05	2.75E-06	pCi/L	
API-1(414983001) - A.P. Gross Beta	24-Jan-17	BETA	2.95E-05	2.41E-06	2.47E-06	1.00E-05	2.43E-06	pCi/L	
API-1(415482001) - A.P. Gross Beta	31-Jan-17	BETA	4.56E-05	2.91E-06	2.43E-06	1.00E-05	2.95E-06	pCi/L	
API-1(415920001) - A.P. Gross Beta	7-Feb-17	BETA	4.74E-05	3.00E-06	2.42E-06	1.00E-05	3.04E-06	pCi/L	
API-1(416626001) - A.P. Gross Beta	13-Feb-17	BETA	4.96E-05	3.32E-06	3.03E-06	1.00E-05	3.36E-06	pCi/L	
API-1(417081001) - A.P. Gross Beta	21-Feb-17	BETA	3.47E-05	2.40E-06	2.13E-06	1.00E-05	2.43E-06	pCi/L	
API-1(417566001) - A.P. Gross Beta	28-Feb-17	BETA	4.12E-05	2.79E-06	2.31E-06	1.00E-05	2.82E-06	pCi/L	
API-1(418028001) - A.P. Gross Beta	7-Mar-17	BETA	4.51E-05	2.90E-06	2.30E-06	1.00E-05	2.94E-06	pCi/L	
API-1(418593001) - A.P. Gross Beta	14-Mar-17	BETA	3.84E-05	2.71E-06	2.54E-06	1.00E-05	2.74E-06	pCi/L	
API-1(419040001) - A.P. Gross Beta	21-Mar-17	BETA	4.81E-05	3.02E-06	2.62E-06	1.00E-05	3.06E-06	pCi/L	
API-1(419454001) - A.P. Gross Beta	28-Mar-17	BETA	3.72E-05	2.65E-06	2.34E-06	1.00E-05	2.68E-06	pCi/L	
API-1(419858001) - A.P. Gross Beta	4-Apr-17	BETA	2.25E-05	2.12E-06	2.37E-06	1.00E-05	2.14E-06	pCi/L	
API-1(420455001) - A.P. Gross Beta	11-Apr-17	BETA	1.72E-05	1.90E-06	2.47E-06	1.00E-05	1.91E-06	pCi/L	
API-1(421024001) - A.P. Gross Beta	18-Apr-17	BETA	2.25E-05	2.12E-06	2.45E-06	1.00E-05	2.13E-06	pCi/L	
API-1(421505001) - A.P. Gross Beta	25-Apr-17	BETA	1.84E-05	1.97E-06	2.57E-06	1.00E-05	1.97E-06	pCi/L	
API-1(422177001) - A.P. Gross Beta	2-May-17	BETA	2.73E-05	2.62E-06	3.00E-06	1.00E-05	2.64E-06	pCi/L	
API-1(422744001) - A.P. Gross Beta	9-May-17	BETA	2.42E-05	2.19E-06	2.40E-06	1.00E-05	2.20E-06	pCi/L	
API-1(423341001) - A.P. Gross Beta	16-May-17	BETA	1.89E-05	1.98E-06	2.53E-06	1.00E-05	1.99E-06	pCi/L	
API-1(423912001) - A.P. Gross Beta	23-May-17	BETA	3.00E-05	2.42E-06	2.52E-06	1.00E-05	2.44E-06	pCi/L	
API-1(424308001) - A.P. Gross Beta	30-May-17	BETA	1.97E-05	2.00E-06	2.35E-06	1.00E-05	2.01E-06	pCi/L	
API-1(424711001) - A.P. Gross Beta	5-Jun-17	BETA	2.39E-05	2.39E-06	2.93E-06	1.00E-05	2.40E-06	pCi/L	
API-1(425398001) - A.P. Gross Beta	13-Jun-17	BETA	3.01E-05	2.25E-06	2.12E-06	1.00E-05	2.27E-06	pCi/L	
API-1(425913001) - A.P. Gross Beta	20-Jun-17	BETA	3.14E-05	2.48E-06	2.51E-06	1.00E-05	2.50E-06	pCi/L	
API-1(426684001) - A.P. Gross Beta	27-Jun-17	BETA	2.08E-05	2.06E-06	2.51E-06	1.00E-05	2.07E-06	pCi/L	
API-1(427151001) - A.P. Gross Beta	3-Jul-17	BETA	2.66E-05	2.49E-06	2.75E-06	1.00E-05	2.50E-06	pCi/L	
API-1(427621001) - A.P. Gross Beta	11-Jul-17	BETA	2.65E-05	2.11E-06	2.04E-06	1.00E-05	2.13E-06	pCi/L	
API-1(428221001) - A.P. Gross Beta	18-Jul-17	BETA	2.97E-05	2.40E-06	2.46E-06	1.00E-05	2.42E-06	pCi/L	
API-1(428869001) - A.P. Gross Beta	25-Jul-17	BETA	2.63E-05	2.28E-06	2.40E-06	1.00E-05	2.30E-06	pCi/L	
API-1(429483001) - A.P. Gross Beta	1-Aug-17	BETA	2.58E-05	2.26E-06	2.36E-06	1.00E-05	2.28E-06	pCi/L	

API-1(430147001) - A.P. Gross Beta	8-Aug-17	BETA	3.75E-05	2.68E-06	2.41E-06	1.00E-05	2.71E-06	pCi/L	
API-1(430764001) - A.P. Gross Beta	15-Aug-17	BETA	3.39E-05	2.56E-06	2.50E-06	1.00E-05	2.59E-06	pCi/L	
API-1(431253001) - A.P. Gross Beta	22-Aug-17	BETA	2.88E-05	2.36E-06	2.36E-06	1.00E-05	2.38E-06	pCi/L	
API-1(431755001) - A.P. Gross Beta	29-Aug-17	BETA	2.70E-05	2.30E-06	2.37E-06	1.00E-05	2.31E-06	pCi/L	
API-1(432204001) - A.P. Gross Beta	5-Sep-17	BETA	2.73E-05	2.31E-06	2.37E-06	1.00E-05	2.32E-06	pCi/L	
API-1(432595001) - A.P. Gross Beta	12-Sep-17	BETA	2.18E-05	2.08E-06	2.28E-06	1.00E-05	2.09E-06	pCi/L	
API-1(433187001) - A.P. Gross Beta	19-Sep-17	BETA	3.28E-05	2.51E-06	2.38E-06	1.00E-05	2.54E-06	pCi/L	
API-1(433669001) - A.P. Gross Beta	26-Sep-17	BETA	4.69E-05	2.97E-06	2.53E-06	1.00E-05	3.01E-06	pCi/L	
API-1(434161001) - A.P. Gross Beta	3-Oct-17	BETA	3.23E-05	2.50E-06	2.46E-06	1.00E-05	2.52E-06	pCi/L	
API-1(434801001) - A.P. Gross Beta	10-Oct-17	BETA	3.04E-05	2.46E-06	2.64E-06	1.00E-05	2.48E-06	pCi/L	
API-1(435378001) - A.P. Gross Beta	17-Oct-17	BETA	3.10E-05	2.48E-06	2.63E-06	1.00E-05	2.50E-06	pCi/L	
API-1(436154001) - A.P. Gross Beta	24-Oct-17	BETA	3.46E-05	2.60E-06	2.60E-06	1.00E-05	2.62E-06	pCi/L	
API-1(436871001) - A.P. Gross Beta	31-Oct-17	BETA	1.17E-05	1.63E-06	2.51E-06	1.00E-05	1.63E-06	pCi/L	
API-1(437291001) - A.P. Gross Beta	7-Nov-17	BETA	2.92E-05	2.38E-06	2.41E-06	1.00E-05	2.40E-06	pCi/L	
API-1(437887001) - A.P. Gross Beta	14-Nov-17	BETA	2.86E-05	2.37E-06	2.44E-06	1.00E-05	2.39E-06	pCi/L	
API-1(438506001) - A.P. Gross Beta	21-Nov-17	BETA	3.15E-05	2.50E-06	2.61E-06	1.00E-05	2.52E-06	pCi/L	
API-1(438787001) - A.P. Gross Beta	28-Nov-17	BETA	4.00E-05	2.76E-06	2.50E-06	1.00E-05	2.79E-06	pCi/L	
API-1(439178001) - A.P. Gross Beta	4-Dec-17	BETA	3.12E-05	2.70E-06	3.04E-06	1.00E-05	2.72E-06	pCi/L	
API-1(439975001) - A.P. Gross Beta	12-Dec-17	BETA	3.72E-05	2.27E-06	2.49E-06	1.00E-05	2.27E-06	pCi/L	
API-1(440418001) - A.P. Gross Beta	19-Dec-17	BETA	4.05E-05	2.48E-06	2.66E-06	1.00E-05	2.49E-06	pCi/L	
API-1(440779001) - A.P. Gross Beta	27-Dec-17	BETA	4.15E-05	2.32E-06	2.32E-06	1.00E-05	2.33E-06	pCi/L	

API-1

A.P. Gross Beta Comp

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Actinium-228	-2.37E-07	1.38E-06	4.91E-06		1.38E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Actinium-228	1.05E-06	1.02E-06	3.81E-06		1.05E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Actinium-228	3.58E-06	1.32E-06	4.35E-06		1.57E-06	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Actinium-228	-2.03E-06	9.23E-07	2.16E-06		1.04E-06	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Antimony-124	-2.59E-07	1.04E-06	3.32E-06		1.04E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Antimony-124	-1.88E-08	5.26E-07	1.69E-06		5.26E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Antimony-124	-2.96E-07	2.96E-07	0.00E+00		3.04E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Antimony-124	4.53E-08	4.23E-07	1.43E-06		4.23E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Antimony-125	4.03E-07	6.14E-07	2.13E-06		6.21E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Antimony-125	-5.62E-07	4.48E-07	1.29E-06		4.67E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Antimony-125	-8.44E-07	4.42E-07	1.17E-06		4.85E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Antimony-125	2.22E-07	4.51E-07	1.58E-06		4.54E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Barium-140	-6.29E-07	3.91E-06	1.23E-05		3.91E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Barium-140	6.03E-06	6.05E-06	2.23E-05		6.21E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Barium-140	-1.06E-05	7.69E-06	2.10E-05		8.09E-06	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Barium-140	-8.87E-07	2.08E-06	6.56E-06		2.09E-06	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Beryllium-7	1.16E-04	8.59E-06	9.10E-06		9.00E-06	pCi/L	
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Beryllium-7	1.06E-04	8.67E-06	7.76E-06		9.97E-06	pCi/L	
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Beryllium-7	7.38E-05	7.22E-06	7.42E-06		8.06E-06	pCi/L	
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Beryllium-7	5.08E-05	5.12E-06	4.58E-06		5.67E-06	pCi/L	

API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Cerium-141	-3.83E-07	5.35E-07	1.59E-06		5.43E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Cerium-141	-4.31E-07	5.68E-07	1.72E-06		5.77E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Cerium-141	-3.69E-07	5.09E-07	1.54E-06		5.17E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Cerium-141	-3.90E-07	2.88E-07	8.22E-07		3.02E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Cerium-144	-1.05E-06	1.26E-06	3.73E-06		1.28E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Cerium-144	1.55E-07	8.66E-07	2.83E-06		8.67E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Cerium-144	-1.04E-07	9.64E-07	3.06E-06		9.65E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Cerium-144	-3.28E-07	7.00E-07	2.16E-06		7.04E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Cesium-134	9.42E-08	2.97E-07	1.03E-06	5.00E-05	2.98E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Cesium-134	2.08E-07	2.24E-07	8.14E-07	5.00E-05	2.29E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Cesium-134	-4.74E-09	1.84E-07	6.23E-07	5.00E-05	1.84E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Cesium-134	-2.07E-07	1.67E-07	3.88E-07	5.00E-05	1.74E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Cesium-137	2.62E-07	2.83E-07	9.59E-07	6.00E-05	2.89E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Cesium-137	7.25E-08	2.06E-07	6.99E-07	6.00E-05	2.07E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Cesium-137	1.33E-08	1.64E-07	5.33E-07	6.00E-05	1.65E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Cesium-137	5.77E-08	1.32E-07	4.66E-07	6.00E-05	1.33E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Chromium-51	-2.59E-06	3.02E-06	9.25E-06		3.08E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Chromium-51	-4.36E-06	3.82E-06	1.18E-05		3.96E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Chromium-51	3.40E-07	4.19E-06	1.42E-05		4.19E-06	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Chromium-51	2.94E-07	1.72E-06	5.94E-06		1.72E-06	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-57	1.13E-07	1.61E-07	5.28E-07		1.63E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-57	-8.12E-09	1.22E-07	3.93E-07		1.22E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-57	2.68E-08	1.11E-07	3.63E-07		1.11E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-57	1.16E-07	1.01E-07	3.55E-07		1.05E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-58	-2.17E-07	3.70E-07	1.16E-06		3.73E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-58	-2.33E-07	2.41E-07	6.16E-07		2.47E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-58	-2.57E-07	3.07E-07	9.47E-07		3.13E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-58	-1.88E-07	2.08E-07	5.57E-07		2.12E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Iodine-131	4.93E-06	2.75E-06	1.04E-05		2.98E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Iodine-131	6.23E-07	5.19E-06	1.78E-05		5.19E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Iodine-131	-1.85E-06	9.31E-06	3.06E-05		9.32E-06	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Iodine-131	-1.15E-06	8.37E-07	2.41E-06		8.80E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Iron-59	-5.44E-07	9.01E-07	2.71E-06		9.10E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Iron-59	-3.47E-07	8.26E-07	2.61E-06		8.30E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Iron-59	5.22E-07	7.24E-07	2.65E-06		7.34E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Iron-59	-3.52E-07	3.85E-07	1.03E-06		3.94E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Lanthanum-140	-5.36E-09	1.40E-06	4.71E-06		1.40E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Lanthanum-140	-1.32E-06	2.97E-06	8.85E-06		2.99E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Lanthanum-140	-5.76E-06	4.38E-06	1.09E-05		4.58E-06	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Lanthanum-140	1.01E-06	7.65E-07	3.17E-06		8.01E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Manganese-54	1.55E-08	2.54E-07	8.56E-07		2.54E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Manganese-54	-2.29E-07	1.93E-07	4.74E-07		2.01E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Manganese-54	-4.32E-08	1.97E-07	6.48E-07		1.97E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Manganese-54	-3.31E-07	2.32E-07	6.24E-07		2.44E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Niobium-95	1.18E-07	3.47E-07	1.13E-06		3.48E-07	pCi/L	U

API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Niobium-95	3.55E-07	3.60E-07	1.29E-06		3.69E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Niobium-95	-4.90E-07	4.28E-07	9.82E-07		4.43E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Niobium-95	4.65E-07	2.47E-07	9.74E-07		2.70E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Potassium-40	4.17E-06	4.90E-06	2.01E-05		4.99E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Potassium-40	1.32E-06	3.37E-06	7.39E-06		3.37E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Potassium-40	6.37E-06	4.01E-06	6.37E-06		4.08E-06	pCi/L	UI
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Potassium-40	3.95E-06	3.65E-06	1.42E-05		3.77E-06	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-103	2.86E-07	6.65E-07	1.13E-06		6.65E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-103	2.20E-07	2.75E-07	1.01E-06		2.80E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-103	-2.65E-07	3.96E-07	1.22E-06		4.01E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-103	3.17E-08	2.22E-07	7.14E-07		2.22E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-106	-8.95E-07	2.14E-06	6.40E-06		2.15E-06	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-106	-3.28E-06	1.87E-06	4.60E-06		2.02E-06	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-106	-7.30E-07	1.92E-06	5.92E-06		1.93E-06	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-106	-2.07E-06	2.06E-06	5.02E-06		2.12E-06	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Selenium-75	3.92E-07	3.06E-07	1.11E-06		3.20E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Selenium-75	-2.00E-07	2.57E-07	8.34E-07		2.61E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Selenium-75	1.64E-07	2.62E-07	9.27E-07		2.65E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Selenium-75	1.30E-07	2.20E-07	7.23E-07		2.22E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Silver-108m	-2.16E-07	1.83E-07	5.16E-07		1.90E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Silver-108m	2.71E-08	1.35E-07	4.62E-07		1.35E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Silver-108m	-1.60E-07	1.49E-07	4.41E-07		1.54E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Silver-108m	4.22E-08	1.45E-07	5.00E-07		1.46E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Silver-110m	1.66E-07	3.50E-07	1.24E-06		3.52E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Silver-110m	6.10E-07	3.06E-07	1.26E-06		3.38E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Silver-110m	-2.43E-07	3.11E-07	9.50E-07		3.16E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Silver-110m	2.22E-08	2.55E-07	8.25E-07		2.55E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Zinc-65	-3.27E-07	6.15E-07	1.85E-06		6.20E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Zinc-65	-2.50E-07	4.93E-07	1.52E-06		4.96E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Zinc-65	-6.51E-07	3.80E-07	7.65E-07		4.10E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Zinc-65	-8.59E-08	4.25E-07	1.39E-06		4.26E-07	pCi/L	U
API-1(420838001) - A.P. Gross Beta Comp	28-Mar-17	Zirconium-95	-3.12E-07	5.63E-07	1.77E-06		5.68E-07	pCi/L	U
API-1(429360001) - A.P. Gross Beta Comp	27-Jun-17	Zirconium-95	3.52E-08	4.41E-07	1.44E-06		4.41E-07	pCi/L	U
API-1(436535001) - A.P. Gross Beta Comp	26-Sep-17	Zirconium-95	-2.08E-07	6.23E-07	1.90E-06		6.25E-07	pCi/L	U
API-1(441660001) - A.P. Gross Beta Comp	27-Dec-17	Zirconium-95	9.03E-08	3.80E-07	1.27E-06		3.81E-07	pCi/L	U

API-2

A.C. Iodine

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-2(413597008) - A.C. Iodine	3-Jan-17	Iodine-131	4.16E-06	3.87E-06	1.49E-05	7.00E-05	3.99E-06	pCi/L	U
API-2(414095008) - A.C. Iodine	10-Jan-17	Iodine-131	1.13E-06	5.76E-06	2.00E-05	7.00E-05	5.77E-06	pCi/L	U
API-2(414524008) - A.C. Iodine	17-Jan-17	Iodine-131	2.02E-06	4.00E-06	1.47E-05	7.00E-05	4.02E-06	pCi/L	U
API-2(414983008) - A.C. Iodine	24-Jan-17	Iodine-131	-5.33E-06	6.11E-06	1.75E-05	7.00E-05	6.23E-06	pCi/L	U
API-2(415482008) - A.C. Iodine	31-Jan-17	Iodine-131	-5.30E-06	6.98E-06	2.01E-05	7.00E-05	7.09E-06	pCi/L	U
API-2(415920008) - A.C. Iodine	7-Feb-17	Iodine-131	-1.62E-06	2.55E-06	8.10E-06	7.00E-05	2.57E-06	pCi/L	U

API-2(416626008) - A.C. Iodine	13-Feb-17	Iodine-131	7.95E-06	5.87E-06	2.28E-05	7.00E-05	6.15E-06	pCi/L	U
API-2(417081008) - A.C. Iodine	21-Feb-17	Iodine-131	-1.06E-07	2.51E-06	8.33E-06	7.00E-05	2.51E-06	pCi/L	U
API-2(417566008) - A.C. Iodine	28-Feb-17	Iodine-131	-1.33E-06	5.75E-06	1.70E-05	7.00E-05	5.75E-06	pCi/L	U
API-2(418028008) - A.C. Iodine	7-Mar-17	Iodine-131	1.11E-05	7.34E-06	2.92E-05	7.00E-05	7.78E-06	pCi/L	U
API-2(418593008) - A.C. Iodine	14-Mar-17	Iodine-131	4.46E-06	4.48E-06	1.79E-05	7.00E-05	4.60E-06	pCi/L	U
API-2(419040008) - A.C. Iodine	21-Mar-17	Iodine-131	-9.33E-06	6.33E-06	1.41E-05	7.00E-05	6.69E-06	pCi/L	U
API-2(419454008) - A.C. Iodine	28-Mar-17	Iodine-131	-7.72E-06	6.46E-06	1.65E-05	7.00E-05	6.71E-06	pCi/L	U
API-2(419858008) - A.C. Iodine	4-Apr-17	Iodine-131	-1.28E-05	7.25E-06	1.66E-05	7.00E-05	7.83E-06	pCi/L	U
API-2(420455008) - A.C. Iodine	11-Apr-17	Iodine-131	8.50E-06	5.49E-06	2.06E-05	7.00E-05	5.83E-06	pCi/L	U
API-2(421024008) - A.C. Iodine	18-Apr-17	Iodine-131	-1.22E-07	6.26E-06	2.07E-05	7.00E-05	6.26E-06	pCi/L	U
API-2(421505008) - A.C. Iodine	25-Apr-17	Iodine-131	3.02E-06	5.46E-06	1.91E-05	7.00E-05	5.50E-06	pCi/L	U
API-2(422177008) - A.C. Iodine	2-May-17	Iodine-131	-5.52E-06	8.54E-06	2.55E-05	7.00E-05	8.64E-06	pCi/L	U
API-2(422744008) - A.C. Iodine	9-May-17	Iodine-131	5.31E-07	4.26E-06	1.49E-05	7.00E-05	4.27E-06	pCi/L	U
API-2(423341008) - A.C. Iodine	16-May-17	Iodine-131	-2.90E-07	5.90E-06	1.94E-05	7.00E-05	5.90E-06	pCi/L	U
API-2(423912008) - A.C. Iodine	23-May-17	Iodine-131	-7.73E-07	5.48E-06	1.75E-05	7.00E-05	5.48E-06	pCi/L	U
API-2(424308008) - A.C. Iodine	30-May-17	Iodine-131	1.50E-06	5.92E-06	2.08E-05	7.00E-05	5.93E-06	pCi/L	U
API-2(424711008) - A.C. Iodine	5-Jun-17	Iodine-131	1.13E-05	6.22E-06	2.68E-05	7.00E-05	6.75E-06	pCi/L	U
API-2(425398008) - A.C. Iodine	13-Jun-17	Iodine-131	3.65E-06	4.05E-06	1.58E-05	7.00E-05	4.14E-06	pCi/L	U
API-2(425913008) - A.C. Iodine	20-Jun-17	Iodine-131	-5.83E-06	2.51E-06	2.23E-06	7.00E-05	2.86E-06	pCi/L	U
API-2(426684008) - A.C. Iodine	27-Jun-17	Iodine-131	-1.10E-06	7.58E-06	2.46E-05	7.00E-05	7.58E-06	pCi/L	U
API-2(427151008) - A.C. Iodine	3-Jul-17	Iodine-131	-3.75E-06	4.96E-06	1.47E-05	7.00E-05	5.03E-06	pCi/L	U
API-2(427621008) - A.C. Iodine	11-Jul-17	Iodine-131	1.08E-06	4.28E-06	1.46E-05	7.00E-05	4.28E-06	pCi/L	U
API-2(428221008) - A.C. Iodine	18-Jul-17	Iodine-131	-2.28E-07	4.41E-06	1.46E-05	7.00E-05	4.41E-06	pCi/L	U
API-2(428869008) - A.C. Iodine	25-Jul-17	Iodine-131	-2.37E-06	3.96E-06	1.14E-05	7.00E-05	4.00E-06	pCi/L	U
API-2(429483008) - A.C. Iodine	1-Aug-17	Iodine-131	2.49E-06	5.50E-06	1.98E-05	7.00E-05	5.53E-06	pCi/L	U
API-2(430147008) - A.C. Iodine	8-Aug-17	Iodine-131	-1.35E-07	4.96E-06	1.61E-05	7.00E-05	4.96E-06	pCi/L	U
API-2(430764008) - A.C. Iodine	15-Aug-17	Iodine-131	-6.18E-06	4.16E-06	7.90E-06	7.00E-05	4.41E-06	pCi/L	U
API-2(431253008) - A.C. Iodine	22-Aug-17	Iodine-131	-1.24E-05	5.89E-06	9.86E-06	7.00E-05	6.58E-06	pCi/L	U
API-2(431755008) - A.C. Iodine	29-Aug-17	Iodine-131	-1.76E-06	5.55E-06	1.77E-05	7.00E-05	5.56E-06	pCi/L	U
API-2(432204008) - A.C. Iodine	5-Sep-17	Iodine-131	6.11E-06	4.42E-06	1.86E-05	7.00E-05	4.64E-06	pCi/L	U
API-2(432595008) - A.C. Iodine	12-Sep-17	Iodine-131	-6.08E-06	5.46E-06	1.50E-05	7.00E-05	5.65E-06	pCi/L	U
API-2(433187008) - A.C. Iodine	19-Sep-17	Iodine-131	-1.73E-06	3.44E-06	9.82E-06	7.00E-05	3.46E-06	pCi/L	U
API-2(433669008) - A.C. Iodine	26-Sep-17	Iodine-131	-4.72E-06	6.43E-06	1.91E-05	7.00E-05	6.52E-06	pCi/L	U
API-2(434161008) - A.C. Iodine	3-Oct-17	Iodine-131	-4.49E-06	5.40E-06	1.55E-05	7.00E-05	5.50E-06	pCi/L	U
API-2(434801008) - A.C. Iodine	10-Oct-17	Iodine-131	2.27E-06	6.33E-06	2.22E-05	7.00E-05	6.36E-06	pCi/L	U
API-2(435378008) - A.C. Iodine	17-Oct-17	Iodine-131	3.96E-06	5.75E-06	2.08E-05	7.00E-05	5.82E-06	pCi/L	U
API-2(436154008) - A.C. Iodine	24-Oct-17	Iodine-131	-2.49E-06	5.41E-06	1.59E-05	7.00E-05	5.44E-06	pCi/L	U
API-2(436871008) - A.C. Iodine	31-Oct-17	Iodine-131	1.14E-05	8.19E-06	3.48E-05	7.00E-05	8.61E-06	pCi/L	U
API-2(437291008) - A.C. Iodine	7-Nov-17	Iodine-131	-1.80E-08	6.06E-06	2.02E-05	7.00E-05	6.06E-06	pCi/L	U
API-2(437887008) - A.C. Iodine	14-Nov-17	Iodine-131	-6.40E-06	6.29E-06	1.69E-05	7.00E-05	6.47E-06	pCi/L	U
API-2(438506008) - A.C. Iodine	21-Nov-17	Iodine-131	-1.23E-05	1.38E-05	3.91E-05	7.00E-05	1.41E-05	pCi/L	U
API-2(438787008) - A.C. Iodine	28-Nov-17	Iodine-131	8.66E-06	5.06E-06	2.19E-05	7.00E-05	5.46E-06	pCi/L	U
API-2(439178008) - A.C. Iodine	4-Dec-17	Iodine-131	3.69E-06	5.78E-06	2.08E-05	7.00E-05	5.85E-06	pCi/L	U
API-2(439975008) - A.C. Iodine	12-Dec-17	Iodine-131	-2.31E-06	2.41E-06	7.30E-06	7.00E-05	2.47E-06	pCi/L	U
API-2(440418008) - A.C. Iodine	19-Dec-17	Iodine-131	1.04E-06	3.06E-06	1.07E-05	7.00E-05	3.07E-06	pCi/L	U

API-2(440779008) - A.C. Iodine	27-Dec-17	Iodine-131	6.07E-06	5.64E-06	2.15E-05	7.00E-05	5.81E-06	pCi/L	U

API-2
A.P. Gross Beta

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-2(413597002) - A.P. Gross Beta	3-Jan-17	BETA	2.84E-05	2.36E-06	2.52E-06	1.00E-05	2.38E-06	pCi/L	
API-2(414095002) - A.P. Gross Beta	10-Jan-17	BETA	2.87E-05	2.36E-06	2.45E-06	1.00E-05	2.38E-06	pCi/L	
API-2(414524002) - A.P. Gross Beta	17-Jan-17	BETA	5.96E-05	3.34E-06	2.49E-06	1.00E-05	3.40E-06	pCi/L	
API-2(414983002) - A.P. Gross Beta	24-Jan-17	BETA	2.18E-05	2.10E-06	2.47E-06	1.00E-05	2.12E-06	pCi/L	
API-2(415482002) - A.P. Gross Beta	31-Jan-17	BETA	2.44E-05	2.19E-06	2.44E-06	1.00E-05	2.21E-06	pCi/L	
API-2(415920002) - A.P. Gross Beta	7-Feb-17	BETA	2.48E-05	2.22E-06	2.41E-06	1.00E-05	2.24E-06	pCi/L	
API-2(416626002) - A.P. Gross Beta	13-Feb-17	BETA	2.48E-05	2.44E-06	3.04E-06	1.00E-05	2.45E-06	pCi/L	
API-2(417081002) - A.P. Gross Beta	21-Feb-17	BETA	2.51E-05	2.07E-06	2.12E-06	1.00E-05	2.09E-06	pCi/L	
API-2(417566002) - A.P. Gross Beta	28-Feb-17	BETA	2.69E-05	2.29E-06	2.31E-06	1.00E-05	2.31E-06	pCi/L	
API-2(418028002) - A.P. Gross Beta	7-Mar-17	BETA	2.18E-05	2.08E-06	2.30E-06	1.00E-05	2.10E-06	pCi/L	
API-2(418593002) - A.P. Gross Beta	14-Mar-17	BETA	1.48E-05	1.80E-06	2.55E-06	1.00E-05	1.80E-06	pCi/L	
API-2(419040002) - A.P. Gross Beta	21-Mar-17	BETA	2.65E-05	2.30E-06	2.61E-06	1.00E-05	2.32E-06	pCi/L	
API-2(419454002) - A.P. Gross Beta	28-Mar-17	BETA	2.92E-05	2.37E-06	2.35E-06	1.00E-05	2.39E-06	pCi/L	
API-2(419858002) - A.P. Gross Beta	4-Apr-17	BETA	1.79E-05	1.92E-06	2.37E-06	1.00E-05	1.93E-06	pCi/L	
API-2(420455002) - A.P. Gross Beta	11-Apr-17	BETA	1.91E-05	2.01E-06	2.52E-06	1.00E-05	2.02E-06	pCi/L	
API-2(421024002) - A.P. Gross Beta	18-Apr-17	BETA	1.97E-05	2.00E-06	2.45E-06	1.00E-05	2.01E-06	pCi/L	
API-2(421505002) - A.P. Gross Beta	25-Apr-17	BETA	1.89E-05	1.99E-06	2.58E-06	1.00E-05	2.00E-06	pCi/L	
API-2(422177002) - A.P. Gross Beta	2-May-17	BETA	1.90E-05	2.24E-06	3.00E-06	1.00E-05	2.25E-06	pCi/L	
API-2(422744002) - A.P. Gross Beta	9-May-17	BETA	2.15E-05	2.08E-06	2.39E-06	1.00E-05	2.09E-06	pCi/L	
API-2(423341002) - A.P. Gross Beta	16-May-17	BETA	1.77E-05	1.92E-06	2.44E-06	1.00E-05	1.93E-06	pCi/L	
API-2(423912002) - A.P. Gross Beta	23-May-17	BETA	2.63E-05	2.25E-06	2.45E-06	1.00E-05	2.26E-06	pCi/L	
API-2(424308002) - A.P. Gross Beta	30-May-17	BETA	2.38E-05	2.21E-06	2.41E-06	1.00E-05	2.22E-06	pCi/L	
API-2(424711002) - A.P. Gross Beta	5-Jun-17	BETA	3.11E-05	2.68E-06	2.93E-06	1.00E-05	2.70E-06	pCi/L	
API-2(425398002) - A.P. Gross Beta	13-Jun-17	BETA	2.22E-05	1.96E-06	2.12E-06	1.00E-05	1.97E-06	pCi/L	
API-2(425913002) - A.P. Gross Beta	20-Jun-17	BETA	2.52E-05	2.24E-06	2.51E-06	1.00E-05	2.26E-06	pCi/L	
API-2(426684002) - A.P. Gross Beta	27-Jun-17	BETA	1.43E-05	1.76E-06	2.52E-06	1.00E-05	1.77E-06	pCi/L	
API-2(427151002) - A.P. Gross Beta	3-Jul-17	BETA	2.72E-05	2.51E-06	2.73E-06	1.00E-05	2.52E-06	pCi/L	
API-2(427621002) - A.P. Gross Beta	11-Jul-17	BETA	2.56E-05	2.08E-06	2.05E-06	1.00E-05	2.10E-06	pCi/L	
API-2(428221002) - A.P. Gross Beta	18-Jul-17	BETA	2.57E-05	2.25E-06	2.47E-06	1.00E-05	2.27E-06	pCi/L	
API-2(428869002) - A.P. Gross Beta	25-Jul-17	BETA	3.43E-05	2.57E-06	2.40E-06	1.00E-05	2.59E-06	pCi/L	
API-2(429483002) - A.P. Gross Beta	1-Aug-17	BETA	2.45E-05	2.20E-06	2.34E-06	1.00E-05	2.21E-06	pCi/L	
API-2(430147002) - A.P. Gross Beta	8-Aug-17	BETA	3.47E-05	2.58E-06	2.41E-06	1.00E-05	2.61E-06	pCi/L	
API-2(430764002) - A.P. Gross Beta	15-Aug-17	BETA	3.26E-05	2.52E-06	2.50E-06	1.00E-05	2.54E-06	pCi/L	
API-2(431253002) - A.P. Gross Beta	22-Aug-17	BETA	2.65E-05	2.27E-06	2.36E-06	1.00E-05	2.29E-06	pCi/L	
API-2(431755002) - A.P. Gross Beta	29-Aug-17	BETA	2.59E-05	2.26E-06	2.38E-06	1.00E-05	2.28E-06	pCi/L	
API-2(432204002) - A.P. Gross Beta	5-Sep-17	BETA	3.56E-05	2.60E-06	2.37E-06	1.00E-05	2.63E-06	pCi/L	
API-2(432595002) - A.P. Gross Beta	12-Sep-17	BETA	1.91E-05	1.96E-06	2.28E-06	1.00E-05	1.97E-06	pCi/L	
API-2(433187002) - A.P. Gross Beta	19-Sep-17	BETA	3.95E-05	2.74E-06	2.38E-06	1.00E-05	2.77E-06	pCi/L	
API-2(433669002) - A.P. Gross Beta	26-Sep-17	BETA	6.05E-05	3.36E-06	2.53E-06	1.00E-05	3.41E-06	pCi/L	
API-2(434161002) - A.P. Gross Beta	3-Oct-17	BETA	3.49E-05	2.59E-06	2.46E-06	1.00E-05	2.62E-06	pCi/L	

API-2(434801002) - A.P. Gross Beta	10-Oct-17	BETA	3.86E-05	2.73E-06	2.62E-06	1.00E-05	2.76E-06	pCi/L	
API-2(435378002) - A.P. Gross Beta	17-Oct-17	BETA	3.57E-05	2.64E-06	2.63E-06	1.00E-05	2.67E-06	pCi/L	
API-2(436154002) - A.P. Gross Beta	24-Oct-17	BETA	4.27E-05	2.86E-06	2.61E-06	1.00E-05	2.90E-06	pCi/L	
API-2(436871002) - A.P. Gross Beta	31-Oct-17	BETA	1.65E-05	1.87E-06	2.51E-06	1.00E-05	1.88E-06	pCi/L	
API-2(437291002) - A.P. Gross Beta	7-Nov-17	BETA	2.71E-05	2.31E-06	2.43E-06	1.00E-05	2.33E-06	pCi/L	
API-2(437887002) - A.P. Gross Beta	14-Nov-17	BETA	4.01E-05	2.77E-06	2.43E-06	1.00E-05	2.80E-06	pCi/L	
API-2(438506002) - A.P. Gross Beta	21-Nov-17	BETA	3.67E-05	2.68E-06	2.61E-06	1.00E-05	2.70E-06	pCi/L	
API-2(438787002) - A.P. Gross Beta	28-Nov-17	BETA	3.57E-05	2.62E-06	2.50E-06	1.00E-05	2.64E-06	pCi/L	
API-2(439178002) - A.P. Gross Beta	4-Dec-17	BETA	3.70E-05	2.93E-06	3.06E-06	1.00E-05	2.95E-06	pCi/L	
API-2(439975002) - A.P. Gross Beta	12-Dec-17	BETA	4.22E-05	2.33E-06	2.29E-06	1.00E-05	2.34E-06	pCi/L	
API-2(440418002) - A.P. Gross Beta	19-Dec-17	BETA	3.50E-05	2.32E-06	2.66E-06	1.00E-05	2.32E-06	pCi/L	
API-2(440779002) - A.P. Gross Beta	27-Dec-17	BETA	4.24E-05	2.39E-06	2.48E-06	1.00E-05	2.40E-06	pCi/L	

API-2

A.P. Gross Beta Comp

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Actinium-228	3.32E-06	1.40E-06	3.32E-06		1.63E-06	pCi/L	UI
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Actinium-228	-1.42E-07	8.56E-07	3.18E-06		8.57E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Actinium-228	-1.48E-08	9.95E-07	3.26E-06		9.95E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Actinium-228	2.07E-06	1.23E-06	3.02E-06		1.33E-06	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Antimony-124	3.96E-07	5.90E-07	2.15E-06		5.97E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Antimony-124	-6.20E-07	4.39E-07	0.00E+00		4.62E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Antimony-124	1.47E-07	8.10E-07	2.75E-06		8.10E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Antimony-124	-2.28E-07	2.68E-07	3.75E-07		2.74E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Antimony-125	-5.23E-07	4.52E-07	1.36E-06		4.68E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Antimony-125	-4.64E-07	4.83E-07	1.50E-06		4.95E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Antimony-125	-4.26E-07	4.36E-07	1.30E-06		4.47E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Antimony-125	-1.03E-07	4.42E-07	1.44E-06		4.43E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Barium-140	1.89E-06	3.01E-06	1.01E-05		3.04E-06	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Barium-140	-5.00E-06	6.63E-06	2.05E-05		6.74E-06	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Barium-140	-7.18E-06	7.84E-06	2.29E-05		8.02E-06	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Barium-140	1.23E-08	1.97E-06	6.45E-06		1.97E-06	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Beryllium-7	7.20E-05	5.65E-06	6.64E-06		5.89E-06	pCi/L	
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Beryllium-7	8.33E-05	8.26E-06	8.84E-06		9.08E-06	pCi/L	
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Beryllium-7	8.58E-05	7.89E-06	7.63E-06		8.84E-06	pCi/L	
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Beryllium-7	6.39E-05	5.51E-06	6.05E-06		6.25E-06	pCi/L	
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Cerium-141	-5.23E-07	3.61E-07	1.05E-06		3.81E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Cerium-141	-4.24E-07	4.73E-07	1.41E-06		4.83E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Cerium-141	2.65E-07	7.33E-07	1.80E-06		7.35E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Cerium-141	-8.97E-08	3.26E-07	1.02E-06		3.27E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Cerium-144	-2.95E-07	8.47E-07	2.61E-06		8.50E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Cerium-144	-2.00E-06	1.01E-06	2.79E-06		1.11E-06	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Cerium-144	-1.33E-06	9.43E-07	2.70E-06		9.93E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Cerium-144	-1.03E-08	9.50E-07	3.04E-06		9.50E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Cesium-134	-1.41E-07	2.00E-07	6.32E-07	5.00E-05	2.03E-07	pCi/L	U

API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Cesium-134	-5.01E-08	2.05E-07	6.24E-07	5.00E-05	2.05E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Cesium-134	2.98E-08	1.70E-07	5.64E-07	5.00E-05	1.70E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Cesium-134	-2.38E-07	1.60E-07	3.46E-07	5.00E-05	1.70E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Cesium-137	-1.72E-07	2.20E-07	6.09E-07	6.00E-05	2.23E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Cesium-137	-2.01E-08	1.77E-07	5.77E-07	6.00E-05	1.77E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Cesium-137	1.15E-07	1.95E-07	6.82E-07	6.00E-05	1.97E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Cesium-137	-1.10E-08	1.87E-07	5.98E-07	6.00E-05	1.87E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Chromium-51	4.54E-06	2.28E-06	8.35E-06		2.51E-06	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Chromium-51	6.28E-06	3.88E-06	1.47E-05		4.16E-06	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Chromium-51	-5.57E-07	3.50E-06	1.17E-05		3.50E-06	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Chromium-51	8.84E-07	2.22E-06	7.71E-06		2.23E-06	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-57	7.10E-09	1.11E-07	3.50E-07		1.11E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-57	-5.40E-08	1.19E-07	3.70E-07		1.19E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-57	1.79E-07	1.15E-07	3.95E-07		1.22E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-57	-3.10E-08	1.08E-07	3.39E-07		1.08E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-58	-2.62E-07	2.42E-07	7.38E-07		2.49E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-58	-2.72E-07	2.83E-07	7.99E-07		2.90E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-58	1.72E-07	2.50E-07	8.95E-07		2.53E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-58	-8.87E-08	2.29E-07	6.88E-07		2.30E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Iodine-131	-4.80E-07	1.67E-06	5.41E-06		1.68E-06	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Iodine-131	1.24E-05	7.46E-06	2.66E-05		8.01E-06	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Iodine-131	-9.03E-06	7.83E-06	2.31E-05		8.11E-06	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Iodine-131	-1.22E-07	1.09E-06	3.61E-06		1.09E-06	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Iron-59	-1.42E-07	5.28E-07	1.68E-06		5.29E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Iron-59	-5.81E-07	6.90E-07	1.84E-06		7.04E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Iron-59	2.46E-07	7.38E-07	2.62E-06		7.41E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Iron-59	-8.77E-08	4.33E-07	1.40E-06		4.33E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Lanthanum-140	-5.95E-07	1.26E-06	4.02E-06		1.27E-06	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Lanthanum-140	5.59E-07	2.46E-06	8.62E-06		2.46E-06	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Lanthanum-140	-4.18E-06	2.41E-06	0.00E+00		2.61E-06	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Lanthanum-140	1.43E-06	6.41E-07	2.99E-06		7.24E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Manganese-54	7.96E-08	1.95E-07	6.74E-07		1.96E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Manganese-54	-2.38E-07	2.47E-07	7.12E-07		2.53E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Manganese-54	-1.43E-07	2.49E-07	6.71E-07		2.51E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Manganese-54	-3.15E-07	2.46E-07	6.51E-07		2.57E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Niobium-95	-8.76E-08	2.97E-07	8.41E-07		2.98E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Niobium-95	-1.13E-07	3.77E-07	1.21E-06		3.78E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Niobium-95	1.80E-07	3.26E-07	1.13E-06		3.29E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Niobium-95	4.44E-08	2.58E-07	7.77E-07		2.59E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Potassium-40	5.67E-06	4.33E-06	5.67E-06		4.33E-06	pCi/L	UI
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Potassium-40	6.20E-06	4.37E-06	6.20E-06		4.40E-06	pCi/L	UI
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Potassium-40	-3.39E-06	3.45E-06	1.22E-05		3.54E-06	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Potassium-40	5.79E-06	3.86E-06	6.20E-06		3.87E-06	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-103	-2.98E-08	2.94E-07	9.41E-07		2.94E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-103	1.13E-06	9.49E-07	1.13E-06		9.51E-07	pCi/L	UI

API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-103	-2.46E-07	3.68E-07	1.13E-06		3.73E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-103	-8.34E-08	2.27E-07	7.18E-07		2.27E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-106	-5.79E-07	1.43E-06	4.35E-06		1.44E-06	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-106	-5.04E-07	2.15E-06	6.98E-06		2.15E-06	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-106	3.01E-06	1.93E-06	7.38E-06		2.06E-06	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-106	4.66E-06	2.60E-06	6.74E-06		2.62E-06	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Selenium-75	-4.15E-08	2.06E-07	6.85E-07		2.06E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Selenium-75	-2.37E-07	2.94E-07	8.55E-07		2.99E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Selenium-75	1.49E-07	2.49E-07	8.91E-07		2.51E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Selenium-75	-2.44E-08	2.39E-07	8.11E-07		2.39E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Silver-108m	6.42E-08	1.56E-07	5.20E-07		1.56E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Silver-108m	-1.66E-07	1.35E-07	4.00E-07		1.41E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Silver-108m	-5.84E-08	1.22E-07	3.84E-07		1.23E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Silver-108m	8.40E-08	1.37E-07	4.81E-07		1.39E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Silver-110m	-3.72E-07	2.47E-07	6.96E-07		2.62E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Silver-110m	-6.05E-08	3.06E-07	9.68E-07		3.06E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Silver-110m	1.24E-07	3.56E-07	1.19E-06		3.57E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Silver-110m	-1.76E-07	1.89E-07	5.34E-07		1.93E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Zinc-65	3.13E-07	3.94E-07	1.28E-06		4.01E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Zinc-65	6.99E-07	5.11E-07	1.97E-06		5.37E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Zinc-65	2.15E-07	4.71E-07	1.70E-06		4.74E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Zinc-65	-3.84E-07	3.99E-07	1.12E-06		4.09E-07	pCi/L	U
API-2(420838002) - A.P. Gross Beta Comp	28-Mar-17	Zirconium-95	-1.35E-07	3.72E-07	1.21E-06		3.74E-07	pCi/L	U
API-2(429360002) - A.P. Gross Beta Comp	27-Jun-17	Zirconium-95	-5.04E-08	5.80E-07	1.89E-06		5.80E-07	pCi/L	U
API-2(436535002) - A.P. Gross Beta Comp	26-Sep-17	Zirconium-95	-9.89E-08	4.85E-07	1.51E-06		4.85E-07	pCi/L	U
API-2(441660002) - A.P. Gross Beta Comp	27-Dec-17	Zirconium-95	-8.60E-07	5.67E-07	1.22E-06		6.02E-07	pCi/L	U

API-3

A.C. Iodine

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-3(413597009) - A.C. Iodine	3-Jan-17	Iodine-131	-3.31E-06	3.82E-06	1.15E-05	7.00E-05	3.89E-06	pCi/L	U
API-3(414095009) - A.C. Iodine	10-Jan-17	Iodine-131	2.77E-06	2.56E-06	1.02E-05	7.00E-05	2.64E-06	pCi/L	U
API-3(414524009) - A.C. Iodine	17-Jan-17	Iodine-131	1.05E-06	2.76E-06	1.03E-05	7.00E-05	2.78E-06	pCi/L	U
API-3(414983009) - A.C. Iodine	24-Jan-17	Iodine-131	-1.98E-06	6.08E-06	1.98E-05	7.00E-05	6.10E-06	pCi/L	U
API-3(415482009) - A.C. Iodine	31-Jan-17	Iodine-131	3.68E-07	4.97E-06	1.68E-05	7.00E-05	4.97E-06	pCi/L	U
API-3(415920009) - A.C. Iodine	7-Feb-17	Iodine-131	1.62E-06	2.37E-06	8.47E-06	7.00E-05	2.40E-06	pCi/L	U
API-3(416626009) - A.C. Iodine	13-Feb-17	Iodine-131	-2.43E-06	5.54E-06	1.75E-05	7.00E-05	5.57E-06	pCi/L	U
API-3(417081009) - A.C. Iodine	21-Feb-17	Iodine-131	3.42E-06	3.18E-06	1.13E-05	7.00E-05	3.28E-06	pCi/L	U
API-3(417566009) - A.C. Iodine	28-Feb-17	Iodine-131	-6.30E-06	4.13E-06	8.85E-06	7.00E-05	4.38E-06	pCi/L	U
API-3(418028009) - A.C. Iodine	7-Mar-17	Iodine-131	-5.02E-06	6.98E-06	1.87E-05	7.00E-05	7.08E-06	pCi/L	U
API-3(418593009) - A.C. Iodine	14-Mar-17	Iodine-131	-5.49E-06	7.79E-06	2.27E-05	7.00E-05	7.90E-06	pCi/L	U
API-3(419040009) - A.C. Iodine	21-Mar-17	Iodine-131	-1.67E-06	6.09E-06	1.91E-05	7.00E-05	6.10E-06	pCi/L	U
API-3(419454009) - A.C. Iodine	28-Mar-17	Iodine-131	1.26E-05	6.64E-06	2.87E-05	7.00E-05	7.25E-06	pCi/L	U
API-3(419858009) - A.C. Iodine	4-Apr-17	Iodine-131	4.45E-06	5.21E-06	2.04E-05	7.00E-05	5.31E-06	pCi/L	U
API-3(420455009) - A.C. Iodine	11-Apr-17	Iodine-131	-4.78E-06	2.93E-06	6.93E-06	7.00E-05	3.13E-06	pCi/L	U

API-3(421024009) - A.C. Iodine	18-Apr-17	Iodine-131	-1.13E-06	6.25E-06	2.05E-05	7.00E-05	6.25E-06	pCi/L	U
API-3(421505009) - A.C. Iodine	25-Apr-17	Iodine-131	1.53E-07	7.45E-06	2.35E-05	7.00E-05	7.45E-06	pCi/L	U
API-3(422177009) - A.C. Iodine	2-May-17	Iodine-131	-7.98E-06	6.03E-06	1.46E-05	7.00E-05	6.32E-06	pCi/L	U
API-3(422744009) - A.C. Iodine	9-May-17	Iodine-131	3.39E-06	4.33E-06	1.63E-05	7.00E-05	4.40E-06	pCi/L	U
API-3(423341009) - A.C. Iodine	16-May-17	Iodine-131	-1.52E-06	5.76E-06	1.67E-05	7.00E-05	5.77E-06	pCi/L	U
API-3(423912009) - A.C. Iodine	23-May-17	Iodine-131	-1.50E-06	5.69E-06	1.65E-05	7.00E-05	5.70E-06	pCi/L	U
API-3(424308009) - A.C. Iodine	30-May-17	Iodine-131	4.98E-06	6.74E-06	2.53E-05	7.00E-05	6.84E-06	pCi/L	U
API-3(424711009) - A.C. Iodine	5-Jun-17	Iodine-131	-1.25E-05	7.76E-06	1.88E-05	7.00E-05	8.28E-06	pCi/L	U
API-3(425398009) - A.C. Iodine	13-Jun-17	Iodine-131	4.41E-06	4.65E-06	1.84E-05	7.00E-05	4.76E-06	pCi/L	U
API-3(425913009) - A.C. Iodine	20-Jun-17	Iodine-131	8.96E-06	4.96E-06	2.15E-05	7.00E-05	5.37E-06	pCi/L	U
API-3(426684009) - A.C. Iodine	27-Jun-17	Iodine-131	-8.85E-07	5.62E-06	1.81E-05	7.00E-05	5.62E-06	pCi/L	U
API-3(427151009) - A.C. Iodine	3-Jul-17	Iodine-131	4.41E-06	3.00E-06	1.14E-05	7.00E-05	3.17E-06	pCi/L	U
API-3(427621009) - A.C. Iodine	11-Jul-17	Iodine-131	1.97E-06	3.82E-06	1.35E-05	7.00E-05	3.85E-06	pCi/L	U
API-3(428221009) - A.C. Iodine	18-Jul-17	Iodine-131	-3.24E-06	5.04E-06	1.47E-05	7.00E-05	5.10E-06	pCi/L	U
API-3(428869009) - A.C. Iodine	25-Jul-17	Iodine-131	9.23E-06	3.77E-06	1.25E-05	7.00E-05	3.79E-06	pCi/L	U
API-3(429483009) - A.C. Iodine	1-Aug-17	Iodine-131	7.28E-06	7.06E-06	2.71E-05	7.00E-05	7.26E-06	pCi/L	U
API-3(430147009) - A.C. Iodine	8-Aug-17	Iodine-131	-9.56E-06	6.03E-06	1.40E-05	7.00E-05	6.42E-06	pCi/L	U
API-3(430764009) - A.C. Iodine	15-Aug-17	Iodine-131	-6.49E-06	4.18E-06	8.70E-06	7.00E-05	4.45E-06	pCi/L	U
API-3(431253009) - A.C. Iodine	22-Aug-17	Iodine-131	6.32E-06	5.87E-06	2.28E-05	7.00E-05	6.06E-06	pCi/L	U
API-3(431755009) - A.C. Iodine	29-Aug-17	Iodine-131	-2.38E-07	4.95E-06	1.68E-05	7.00E-05	4.95E-06	pCi/L	U
API-3(432204009) - A.C. Iodine	5-Sep-17	Iodine-131	-5.82E-06	5.36E-06	1.44E-05	7.00E-05	5.53E-06	pCi/L	U
API-3(432595009) - A.C. Iodine	12-Sep-17	Iodine-131	-7.51E-06	6.27E-06	1.70E-05	7.00E-05	6.51E-06	pCi/L	U
API-3(433187009) - A.C. Iodine	19-Sep-17	Iodine-131	5.22E-06	6.18E-06	2.34E-05	7.00E-05	6.30E-06	pCi/L	U
API-3(433669009) - A.C. Iodine	26-Sep-17	Iodine-131	6.00E-06	3.93E-06	1.69E-05	7.00E-05	4.18E-06	pCi/L	U
API-3(434161009) - A.C. Iodine	3-Oct-17	Iodine-131	-9.99E-06	4.82E-06	7.92E-06	7.00E-05	5.36E-06	pCi/L	U
API-3(434801009) - A.C. Iodine	10-Oct-17	Iodine-131	2.12E-06	3.40E-06	1.32E-05	7.00E-05	3.44E-06	pCi/L	U
API-3(435378009) - A.C. Iodine	17-Oct-17	Iodine-131	-4.37E-06	6.63E-06	1.97E-05	7.00E-05	6.71E-06	pCi/L	U
API-3(436154009) - A.C. Iodine	24-Oct-17	Iodine-131	-8.35E-06	5.97E-06	1.28E-05	7.00E-05	6.28E-06	pCi/L	U
API-3(436871009) - A.C. Iodine	31-Oct-17	Iodine-131	4.96E-06	6.28E-06	2.38E-05	7.00E-05	6.39E-06	pCi/L	U
API-3(437291009) - A.C. Iodine	7-Nov-17	Iodine-131	1.02E-06	4.40E-06	1.56E-05	7.00E-05	4.41E-06	pCi/L	U
API-3(437887009) - A.C. Iodine	14-Nov-17	Iodine-131	1.87E-06	5.76E-06	2.03E-05	7.00E-05	5.78E-06	pCi/L	U
API-3(438506009) - A.C. Iodine	21-Nov-17	Iodine-131	4.64E-06	6.99E-06	2.64E-05	7.00E-05	7.07E-06	pCi/L	U
API-3(438787009) - A.C. Iodine	28-Nov-17	Iodine-131	-5.80E-06	6.23E-06	1.73E-05	7.00E-05	6.37E-06	pCi/L	U
API-3(439178009) - A.C. Iodine	4-Dec-17	Iodine-131	8.15E-06	6.48E-06	2.63E-05	7.00E-05	6.75E-06	pCi/L	U
API-3(439975009) - A.C. Iodine	12-Dec-17	Iodine-131	6.13E-06	3.77E-06	6.13E-06	7.00E-05	3.79E-06	pCi/L	UI
API-3(440418009) - A.C. Iodine	19-Dec-17	Iodine-131	-1.33E-06	3.31E-06	1.05E-05	7.00E-05	3.32E-06	pCi/L	U
API-3(440779009) - A.C. Iodine	27-Dec-17	Iodine-131	-6.48E-06	4.14E-06	8.50E-06	7.00E-05	4.41E-06	pCi/L	U

API-3

A.P. Gross Beta

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-3(413597003) - A.P. Gross Beta	3-Jan-17	BETA	3.15E-05	2.48E-06	2.52E-06	1.00E-05	2.50E-06	pCi/L	
API-3(414095003) - A.P. Gross Beta	10-Jan-17	BETA	2.84E-05	2.35E-06	2.46E-06	1.00E-05	2.37E-06	pCi/L	
API-3(414524003) - A.P. Gross Beta	17-Jan-17	BETA	4.28E-05	2.86E-06	2.49E-06	1.00E-05	2.89E-06	pCi/L	
API-3(414983003) - A.P. Gross Beta	24-Jan-17	BETA	2.24E-05	2.13E-06	2.47E-06	1.00E-05	2.14E-06	pCi/L	

API-3(415482003) - A.P. Gross Beta	31-Jan-17	BETA	2.67E-05	2.29E-06	2.45E-06	1.00E-05	2.31E-06	pCi/L	
API-3(415920003) - A.P. Gross Beta	7-Feb-17	BETA	3.19E-05	2.48E-06	2.39E-06	1.00E-05	2.50E-06	pCi/L	
API-3(416626003) - A.P. Gross Beta	13-Feb-17	BETA	2.75E-05	2.56E-06	3.05E-06	1.00E-05	2.57E-06	pCi/L	
API-3(417081003) - A.P. Gross Beta	21-Feb-17	BETA	2.56E-05	2.09E-06	2.13E-06	1.00E-05	2.10E-06	pCi/L	
API-3(417566003) - A.P. Gross Beta	28-Feb-17	BETA	2.63E-05	2.27E-06	2.31E-06	1.00E-05	2.28E-06	pCi/L	
API-3(418028003) - A.P. Gross Beta	7-Mar-17	BETA	3.01E-05	2.41E-06	2.30E-06	1.00E-05	2.43E-06	pCi/L	
API-3(418593003) - A.P. Gross Beta	14-Mar-17	BETA	2.84E-05	2.38E-06	2.56E-06	1.00E-05	2.40E-06	pCi/L	
API-3(419040003) - A.P. Gross Beta	21-Mar-17	BETA	3.19E-05	2.50E-06	2.61E-06	1.00E-05	2.52E-06	pCi/L	
API-3(419454003) - A.P. Gross Beta	28-Mar-17	BETA	1.87E-05	1.95E-06	2.35E-06	1.00E-05	1.96E-06	pCi/L	
API-3(419858003) - A.P. Gross Beta	4-Apr-17	BETA	2.23E-05	2.11E-06	2.36E-06	1.00E-05	2.12E-06	pCi/L	
API-3(420455003) - A.P. Gross Beta	11-Apr-17	BETA	2.90E-05	2.41E-06	2.52E-06	1.00E-05	2.43E-06	pCi/L	
API-3(421024003) - A.P. Gross Beta	18-Apr-17	BETA	1.76E-05	1.91E-06	2.45E-06	1.00E-05	1.92E-06	pCi/L	
API-3(421505003) - A.P. Gross Beta	25-Apr-17	BETA	1.45E-05	1.78E-06	2.58E-06	1.00E-05	1.79E-06	pCi/L	
API-3(422177003) - A.P. Gross Beta	2-May-17	BETA	1.64E-05	1.85E-06	2.40E-06	1.00E-05	1.86E-06	pCi/L	
API-3(422744003) - A.P. Gross Beta	9-May-17	BETA	1.42E-05	1.74E-06	2.39E-06	1.00E-05	1.75E-06	pCi/L	
API-3(423341003) - A.P. Gross Beta	16-May-17	BETA	1.63E-05	1.86E-06	2.45E-06	1.00E-05	1.86E-06	pCi/L	
API-3(423912003) - A.P. Gross Beta	23-May-17	BETA	2.38E-05	2.18E-06	2.52E-06	1.00E-05	2.20E-06	pCi/L	
API-3(424308003) - A.P. Gross Beta	30-May-17	BETA	1.38E-05	1.72E-06	2.35E-06	1.00E-05	1.72E-06	pCi/L	
API-3(424711003) - A.P. Gross Beta	5-Jun-17	BETA	2.17E-05	2.30E-06	2.93E-06	1.00E-05	2.31E-06	pCi/L	
API-3(425398003) - A.P. Gross Beta	13-Jun-17	BETA	2.17E-05	1.94E-06	2.12E-06	1.00E-05	1.95E-06	pCi/L	
API-3(425913003) - A.P. Gross Beta	20-Jun-17	BETA	2.70E-05	2.31E-06	2.50E-06	1.00E-05	2.33E-06	pCi/L	
API-3(426684003) - A.P. Gross Beta	27-Jun-17	BETA	1.77E-05	1.93E-06	2.52E-06	1.00E-05	1.94E-06	pCi/L	
API-3(427151003) - A.P. Gross Beta	3-Jul-17	BETA	2.80E-05	2.54E-06	2.73E-06	1.00E-05	2.55E-06	pCi/L	
API-3(427621003) - A.P. Gross Beta	11-Jul-17	BETA	1.81E-05	1.78E-06	2.05E-06	1.00E-05	1.79E-06	pCi/L	
API-3(428221003) - A.P. Gross Beta	18-Jul-17	BETA	2.60E-05	2.26E-06	2.46E-06	1.00E-05	2.28E-06	pCi/L	
API-3(428869003) - A.P. Gross Beta	25-Jul-17	BETA	2.79E-05	2.34E-06	2.40E-06	1.00E-05	2.36E-06	pCi/L	
API-3(429483003) - A.P. Gross Beta	1-Aug-17	BETA	2.16E-05	2.08E-06	2.34E-06	1.00E-05	2.09E-06	pCi/L	
API-3(430147003) - A.P. Gross Beta	8-Aug-17	BETA	2.64E-05	2.29E-06	2.42E-06	1.00E-05	2.30E-06	pCi/L	
API-3(430764003) - A.P. Gross Beta	15-Aug-17	BETA	2.58E-05	2.27E-06	2.50E-06	1.00E-05	2.28E-06	pCi/L	
API-3(431253003) - A.P. Gross Beta	22-Aug-17	BETA	2.97E-05	2.39E-06	2.36E-06	1.00E-05	2.41E-06	pCi/L	
API-3(431755003) - A.P. Gross Beta	29-Aug-17	BETA	2.37E-05	2.17E-06	2.38E-06	1.00E-05	2.18E-06	pCi/L	
API-3(432204003) - A.P. Gross Beta	5-Sep-17	BETA	2.23E-05	2.10E-06	2.36E-06	1.00E-05	2.12E-06	pCi/L	
API-3(432595003) - A.P. Gross Beta	12-Sep-17	BETA	1.49E-05	1.76E-06	2.28E-06	1.00E-05	1.77E-06	pCi/L	
API-3(433187003) - A.P. Gross Beta	19-Sep-17	BETA	3.56E-05	2.65E-06	2.45E-06	1.00E-05	2.68E-06	pCi/L	
API-3(433669003) - A.P. Gross Beta	26-Sep-17	BETA	5.24E-05	3.13E-06	2.53E-06	1.00E-05	3.18E-06	pCi/L	
API-3(434161003) - A.P. Gross Beta	3-Oct-17	BETA	3.46E-05	2.58E-06	2.47E-06	1.00E-05	2.61E-06	pCi/L	
API-3(434801003) - A.P. Gross Beta	10-Oct-17	BETA	3.60E-05	2.65E-06	2.62E-06	1.00E-05	2.67E-06	pCi/L	
API-3(435378003) - A.P. Gross Beta	17-Oct-17	BETA	3.39E-05	2.58E-06	2.62E-06	1.00E-05	2.60E-06	pCi/L	
API-3(436154003) - A.P. Gross Beta	24-Oct-17	BETA	4.82E-05	3.03E-06	2.61E-06	1.00E-05	3.07E-06	pCi/L	
API-3(436871003) - A.P. Gross Beta	31-Oct-17	BETA	1.71E-05	1.90E-06	2.51E-06	1.00E-05	1.91E-06	pCi/L	
API-3(437291003) - A.P. Gross Beta	7-Nov-17	BETA	2.88E-05	2.38E-06	2.43E-06	1.00E-05	2.40E-06	pCi/L	
API-3(437887003) - A.P. Gross Beta	14-Nov-17	BETA	3.90E-05	2.73E-06	2.43E-06	1.00E-05	2.76E-06	pCi/L	
API-3(438506003) - A.P. Gross Beta	21-Nov-17	BETA	4.38E-05	2.91E-06	2.61E-06	1.00E-05	2.94E-06	pCi/L	
API-3(438787003) - A.P. Gross Beta	28-Nov-17	BETA	3.64E-05	2.63E-06	2.50E-06	1.00E-05	2.66E-06	pCi/L	
API-3(439178003) - A.P. Gross Beta	4-Dec-17	BETA	2.75E-05	2.57E-06	3.07E-06	1.00E-05	2.59E-06	pCi/L	

API-3(439975003) - A.P. Gross Beta	12-Dec-17	BETA	3.80E-05	2.28E-06	2.54E-06	1.00E-05	2.28E-06	pCi/L	
API-3(440418003) - A.P. Gross Beta	19-Dec-17	BETA	3.50E-05	2.38E-06	2.84E-06	1.00E-05	2.38E-06	pCi/L	
API-3(440779003) - A.P. Gross Beta	27-Dec-17	BETA	4.16E-05	2.31E-06	2.28E-06	1.00E-05	2.32E-06	pCi/L	

API-3

A.P. Gross Beta Comp

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Actinium-228	1.58E-06	1.19E-06	3.34E-06		1.25E-06	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Actinium-228	3.40E-06	2.19E-06	6.70E-06		2.34E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Actinium-228	5.44E-07	7.20E-07	2.87E-06		7.32E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Actinium-228	1.03E-06	1.22E-06	4.29E-06		1.24E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Antimony-124	-1.20E-06	5.99E-07	0.00E+00		6.61E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Antimony-124	-8.81E-07	1.61E-06	4.49E-06		1.63E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Antimony-124	-5.95E-07	8.00E-07	2.25E-06		8.12E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Antimony-124	-2.68E-07	6.44E-07	1.93E-06		6.47E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Antimony-125	2.06E-07	4.54E-07	1.61E-06		4.57E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Antimony-125	-3.26E-07	7.18E-07	2.27E-06		7.22E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Antimony-125	1.09E-07	4.87E-07	1.68E-06		4.88E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Antimony-125	-1.43E-06	6.83E-07	1.92E-06		7.61E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Barium-140	2.20E-06	2.24E-06	8.37E-06		2.30E-06	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Barium-140	1.27E-05	1.10E-05	3.93E-05		1.14E-05	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Barium-140	7.17E-06	8.48E-06	3.05E-05		8.65E-06	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Barium-140	-3.67E-06	3.51E-06	1.07E-05		3.62E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Beryllium-7	7.51E-05	6.64E-06	5.51E-06		7.49E-06	pCi/L	
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Beryllium-7	4.88E-05	9.74E-06	1.53E-05		1.00E-05	pCi/L	
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Beryllium-7	6.61E-05	7.25E-06	8.60E-06		7.85E-06	pCi/L	
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Beryllium-7	6.45E-05	6.53E-06	7.56E-06		7.27E-06	pCi/L	
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Cerium-141	2.63E-08	3.50E-07	1.08E-06		3.50E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Cerium-141	-2.17E-06	8.26E-07	2.15E-06		9.73E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Cerium-141	7.39E-07	5.51E-07	1.92E-06		5.78E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Cerium-141	-1.23E-06	4.80E-07	1.36E-06		5.60E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Cerium-144	6.79E-07	7.32E-07	2.56E-06		7.49E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Cerium-144	1.72E-06	1.30E-06	4.64E-06		1.36E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Cerium-144	-4.19E-07	9.81E-07	3.06E-06		9.86E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Cerium-144	1.31E-07	1.21E-06	4.04E-06		1.21E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Cesium-134	2.20E-07	1.99E-07	7.47E-07	5.00E-05	2.06E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Cesium-134	-4.69E-07	4.53E-07	1.21E-06	5.00E-05	4.66E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Cesium-134	-3.21E-07	2.45E-07	6.69E-07	5.00E-05	2.57E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Cesium-134	3.56E-07	2.58E-07	1.18E-06	5.00E-05	2.71E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Cesium-137	1.26E-07	1.84E-07	6.58E-07	6.00E-05	1.87E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Cesium-137	-7.54E-08	4.08E-07	1.29E-06	6.00E-05	4.08E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Cesium-137	-1.25E-08	1.75E-07	5.75E-07	6.00E-05	1.75E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Cesium-137	2.92E-07	2.91E-07	1.03E-06	6.00E-05	2.99E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Chromium-51	1.51E-07	2.81E-06	8.86E-06		2.81E-06	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Chromium-51	-8.81E-06	6.94E-06	2.14E-05		7.25E-06	pCi/L	U

API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Chromium-51	-4.17E-06	4.41E-06	1.42E-05		4.52E-06	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Chromium-51	-2.57E-06	3.59E-06	1.10E-05		3.64E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-57	1.85E-07	9.30E-08	3.43E-07		1.02E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-57	-3.63E-07	2.04E-07	5.72E-07		2.21E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-57	9.86E-08	1.25E-07	4.25E-07		1.27E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-57	2.30E-07	1.65E-07	5.85E-07		1.74E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-58	-4.42E-07	2.84E-07	7.25E-07		3.02E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-58	-2.96E-07	5.29E-07	1.53E-06		5.34E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-58	-3.94E-08	3.00E-07	9.64E-07		3.00E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-58	1.55E-07	3.51E-07	1.22E-06		3.53E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Iodine-131	-2.24E-06	2.00E-06	5.57E-06		2.07E-06	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Iodine-131	3.62E-05	1.95E-05	4.57E-05		1.95E-05	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Iodine-131	8.80E-07	7.77E-06	2.68E-05		7.78E-06	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Iodine-131	2.03E-06	1.54E-06	5.58E-06		1.61E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Iron-59	-3.14E-07	5.19E-07	1.59E-06		5.24E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Iron-59	1.59E-06	1.22E-06	4.91E-06		1.27E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Iron-59	6.63E-07	6.52E-07	2.49E-06		6.71E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Iron-59	4.56E-08	5.91E-07	1.97E-06		5.92E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Lanthanum-140	-3.42E-10	1.62E-06	5.33E-06		1.62E-06	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Lanthanum-140	-4.88E-06	6.09E-06	1.66E-05		6.20E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Lanthanum-140	-1.98E-06	3.33E-06	9.98E-06		3.36E-06	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Lanthanum-140	1.28E-06	1.08E-06	4.23E-06		1.13E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Manganese-54	-1.03E-07	2.48E-07	7.65E-07		2.49E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Manganese-54	-2.25E-07	4.94E-07	1.48E-06		4.97E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Manganese-54	4.38E-07	2.57E-07	9.81E-07		2.77E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Manganese-54	8.57E-07	3.18E-07	9.82E-07		3.21E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Niobium-95	-2.56E-07	2.35E-07	6.47E-07		2.43E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Niobium-95	-4.14E-08	4.99E-07	1.58E-06		4.99E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Niobium-95	3.58E-07	3.39E-07	1.24E-06		3.49E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Niobium-95	1.73E-07	3.68E-07	1.24E-06		3.70E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Potassium-40	6.57E-06	5.85E-06	6.57E-06		5.87E-06	pCi/L	UI
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Potassium-40	6.97E-06	6.87E-06	2.64E-05		7.06E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Potassium-40	4.42E-06	5.28E-06	7.89E-06		5.29E-06	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Potassium-40	5.41E-06	5.38E-06	5.41E-06		5.44E-06	pCi/L	UI
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-103	2.21E-07	2.29E-07	8.46E-07		2.35E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-103	-3.64E-07	6.68E-07	2.09E-06		6.73E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-103	-2.25E-07	3.96E-07	1.26E-06		3.99E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-103	1.02E-07	3.81E-07	1.12E-06		3.82E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-106	-2.06E-06	1.60E-06	4.46E-06		1.67E-06	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-106	1.11E-06	2.83E-06	9.75E-06		2.84E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-106	1.30E-06	1.78E-06	6.36E-06		1.81E-06	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-106	-4.55E-06	2.68E-06	7.39E-06		2.89E-06	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Selenium-75	1.07E-07	2.61E-07	8.30E-07		2.62E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Selenium-75	-1.32E-07	4.78E-07	1.45E-06		4.79E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Selenium-75	8.08E-08	2.73E-07	8.76E-07		2.74E-07	pCi/L	U

API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Selenium-75	1.64E-07	3.66E-07	1.21E-06		3.68E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Silver-108m	-1.68E-07	1.35E-07	4.08E-07		1.41E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Silver-108m	-1.34E-07	2.02E-07	6.12E-07		2.04E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Silver-108m	-1.01E-07	1.49E-07	4.75E-07		1.51E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Silver-108m	-6.10E-07	2.34E-07	6.44E-07		2.74E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Silver-110m	3.70E-07	2.38E-07	9.57E-07		2.53E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Silver-110m	-3.92E-07	7.16E-07	2.30E-06		7.22E-07	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Silver-110m	-1.37E-07	2.70E-07	8.04E-07		2.71E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Silver-110m	-4.70E-07	4.55E-07	1.37E-06		4.68E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Zinc-65	4.69E-08	5.30E-07	1.82E-06		5.30E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Zinc-65	-1.97E-06	9.02E-07	1.96E-06		1.02E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Zinc-65	3.48E-07	4.98E-07	1.65E-06		5.05E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Zinc-65	-1.29E-06	7.11E-07	1.80E-06		7.72E-07	pCi/L	U
API-3(420838003) - A.P. Gross Beta Comp	28-Mar-17	Zirconium-95	-1.02E-08	3.92E-07	1.28E-06		3.92E-07	pCi/L	U
API-3(429360003) - A.P. Gross Beta Comp	27-Jun-17	Zirconium-95	-6.76E-07	9.93E-07	2.84E-06		1.01E-06	pCi/L	U
API-3(436535003) - A.P. Gross Beta Comp	26-Sep-17	Zirconium-95	-1.35E-06	6.02E-07	1.39E-06		6.82E-07	pCi/L	U
API-3(441660003) - A.P. Gross Beta Comp	27-Dec-17	Zirconium-95	5.14E-07	6.83E-07	2.35E-06		6.94E-07	pCi/L	U

API-4

A.C. Iodine

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-4(413597010) - A.C. Iodine	3-Jan-17	Iodine-131	-1.51E-06	4.12E-06	1.26E-05	7.00E-05	4.13E-06	pCi/L	U
API-4(414095010) - A.C. Iodine	10-Jan-17	Iodine-131	-6.81E-06	3.88E-06	8.07E-06	7.00E-05	4.18E-06	pCi/L	U
API-4(414524010) - A.C. Iodine	17-Jan-17	Iodine-131	-6.08E-06	5.75E-06	1.61E-05	7.00E-05	5.92E-06	pCi/L	U
API-4(414983010) - A.C. Iodine	24-Jan-17	Iodine-131	7.83E-07	5.70E-06	1.92E-05	7.00E-05	5.70E-06	pCi/L	U
API-4(415482010) - A.C. Iodine	31-Jan-17	Iodine-131	-2.26E-06	4.13E-06	1.23E-05	7.00E-05	4.17E-06	pCi/L	U
API-4(415920010) - A.C. Iodine	7-Feb-17	Iodine-131	3.97E-06	2.82E-06	1.04E-05	7.00E-05	2.96E-06	pCi/L	U
API-4(416626010) - A.C. Iodine	13-Feb-17	Iodine-131	5.02E-07	6.42E-06	2.21E-05	7.00E-05	6.42E-06	pCi/L	U
API-4(417081010) - A.C. Iodine	21-Feb-17	Iodine-131	-2.44E-06	2.95E-06	9.03E-06	7.00E-05	3.00E-06	pCi/L	U
API-4(417566010) - A.C. Iodine	28-Feb-17	Iodine-131	-2.41E-06	5.92E-06	1.78E-05	7.00E-05	5.95E-06	pCi/L	U
API-4(418028010) - A.C. Iodine	7-Mar-17	Iodine-131	7.56E-07	6.48E-06	2.17E-05	7.00E-05	6.48E-06	pCi/L	U
API-4(418593010) - A.C. Iodine	14-Mar-17	Iodine-131	5.42E-07	3.39E-06	1.20E-05	7.00E-05	3.39E-06	pCi/L	U
API-4(419040010) - A.C. Iodine	21-Mar-17	Iodine-131	-1.84E-06	4.77E-06	1.57E-05	7.00E-05	4.79E-06	pCi/L	U
API-4(419454010) - A.C. Iodine	28-Mar-17	Iodine-131	-6.46E-06	5.64E-06	1.24E-05	7.00E-05	5.84E-06	pCi/L	U
API-4(419858010) - A.C. Iodine	4-Apr-17	Iodine-131	4.37E-06	4.82E-06	1.87E-05	7.00E-05	4.93E-06	pCi/L	U
API-4(420455010) - A.C. Iodine	11-Apr-17	Iodine-131	-1.44E-07	3.80E-06	1.17E-05	7.00E-05	3.80E-06	pCi/L	U
API-4(421024010) - A.C. Iodine	18-Apr-17	Iodine-131	-1.90E-06	4.56E-06	1.38E-05	7.00E-05	4.58E-06	pCi/L	U
API-4(421505010) - A.C. Iodine	25-Apr-17	Iodine-131	-5.16E-06	4.64E-06	1.13E-05	7.00E-05	4.80E-06	pCi/L	U
API-4(422177010) - A.C. Iodine	2-May-17	Iodine-131	6.31E-06	3.74E-06	1.74E-05	7.00E-05	4.02E-06	pCi/L	U
API-4(422744010) - A.C. Iodine	9-May-17	Iodine-131	1.95E-06	3.60E-06	1.37E-05	7.00E-05	3.63E-06	pCi/L	U
API-4(423341010) - A.C. Iodine	16-May-17	Iodine-131	9.67E-06	6.29E-06	2.56E-05	7.00E-05	6.67E-06	pCi/L	U
API-4(423912010) - A.C. Iodine	23-May-17	Iodine-131	2.07E-06	3.74E-06	1.42E-05	7.00E-05	3.77E-06	pCi/L	U
API-4(424308010) - A.C. Iodine	30-May-17	Iodine-131	1.17E-06	5.61E-06	1.92E-05	7.00E-05	5.62E-06	pCi/L	U
API-4(424711010) - A.C. Iodine	5-Jun-17	Iodine-131	-7.17E-06	6.09E-06	1.47E-05	7.00E-05	6.32E-06	pCi/L	U
API-4(425398010) - A.C. Iodine	13-Jun-17	Iodine-131	-1.45E-05	5.45E-06	7.01E-06	7.00E-05	6.43E-06	pCi/L	U

API-4(425913010) - A.C. Iodine	20-Jun-17	Iodine-131	-8.90E-06	4.40E-06	1.02E-05	7.00E-05	4.86E-06	pCi/L	U
API-4(426684010) - A.C. Iodine	27-Jun-17	Iodine-131	-8.88E-06	5.48E-06	1.06E-05	7.00E-05	5.86E-06	pCi/L	U
API-4(427151010) - A.C. Iodine	3-Jul-17	Iodine-131	1.08E-05	7.87E-06	1.08E-05	7.00E-05	7.88E-06	pCi/L	UI
API-4(427621010) - A.C. Iodine	11-Jul-17	Iodine-131	3.08E-06	3.21E-06	1.21E-05	7.00E-05	3.28E-06	pCi/L	U
API-4(428221010) - A.C. Iodine	18-Jul-17	Iodine-131	-4.06E-06	3.74E-06	1.08E-05	7.00E-05	3.86E-06	pCi/L	U
API-4(428869010) - A.C. Iodine	25-Jul-17	Iodine-131	5.69E-06	5.04E-06	2.00E-05	7.00E-05	5.22E-06	pCi/L	U
API-4(429483010) - A.C. Iodine	1-Aug-17	Iodine-131	4.40E-06	5.15E-06	1.97E-05	7.00E-05	5.25E-06	pCi/L	U
API-4(430147010) - A.C. Iodine	8-Aug-17	Iodine-131	-1.57E-05	6.57E-06	1.22E-05	7.00E-05	7.53E-06	pCi/L	U
API-4(430764010) - A.C. Iodine	15-Aug-17	Iodine-131	-8.04E-06	6.08E-06	1.61E-05	7.00E-05	6.37E-06	pCi/L	U
API-4(431253010) - A.C. Iodine	22-Aug-17	Iodine-131	1.02E-06	3.60E-06	1.30E-05	7.00E-05	3.61E-06	pCi/L	U
API-4(431755010) - A.C. Iodine	29-Aug-17	Iodine-131	3.56E-07	4.97E-06	1.69E-05	7.00E-05	4.97E-06	pCi/L	U
API-4(432204010) - A.C. Iodine	5-Sep-17	Iodine-131	-1.09E-06	5.03E-06	1.54E-05	7.00E-05	5.03E-06	pCi/L	U
API-4(432595010) - A.C. Iodine	12-Sep-17	Iodine-131	-4.31E-07	6.45E-06	2.04E-05	7.00E-05	6.46E-06	pCi/L	U
API-4(433187010) - A.C. Iodine	19-Sep-17	Iodine-131	4.35E-06	4.21E-06	1.73E-05	7.00E-05	4.33E-06	pCi/L	U
API-4(433669010) - A.C. Iodine	26-Sep-17	Iodine-131	8.09E-06	6.99E-06	2.74E-05	7.00E-05	7.24E-06	pCi/L	U
API-4(434161010) - A.C. Iodine	3-Oct-17	Iodine-131	9.77E-06	3.83E-06	1.78E-05	7.00E-05	4.46E-06	pCi/L	U
API-4(434801010) - A.C. Iodine	10-Oct-17	Iodine-131	2.86E-06	5.29E-06	1.94E-05	7.00E-05	5.34E-06	pCi/L	U
API-4(435378010) - A.C. Iodine	17-Oct-17	Iodine-131	-5.80E-06	4.55E-06	1.09E-05	7.00E-05	4.75E-06	pCi/L	U
API-4(436154010) - A.C. Iodine	24-Oct-17	Iodine-131	1.41E-06	4.56E-06	1.59E-05	7.00E-05	4.57E-06	pCi/L	U
API-4(436871010) - A.C. Iodine	31-Oct-17	Iodine-131	1.74E-06	7.53E-06	2.69E-05	7.00E-05	7.54E-06	pCi/L	U
API-4(437291010) - A.C. Iodine	7-Nov-17	Iodine-131	-5.67E-06	3.45E-06	5.61E-06	7.00E-05	3.70E-06	pCi/L	U
API-4(437887010) - A.C. Iodine	14-Nov-17	Iodine-131	-8.23E-07	4.67E-06	1.53E-05	7.00E-05	4.68E-06	pCi/L	U
API-4(438506010) - A.C. Iodine	21-Nov-17	Iodine-131	1.81E-05	1.01E-05	1.81E-05	7.00E-05	1.02E-05	pCi/L	UI
API-4(438787010) - A.C. Iodine	28-Nov-17	Iodine-131	7.05E-07	6.78E-06	2.28E-05	7.00E-05	6.78E-06	pCi/L	U
API-4(439178010) - A.C. Iodine	4-Dec-17	Iodine-131	-1.51E-06	4.78E-06	1.44E-05	7.00E-05	4.79E-06	pCi/L	U
API-4(439975010) - A.C. Iodine	12-Dec-17	Iodine-131	3.88E-06	2.00E-06	8.02E-06	7.00E-05	2.19E-06	pCi/L	U
API-4(440418010) - A.C. Iodine	19-Dec-17	Iodine-131	1.68E-06	3.57E-06	1.28E-05	7.00E-05	3.60E-06	pCi/L	U
API-4(440779010) - A.C. Iodine	27-Dec-17	Iodine-131	-1.90E-06	4.31E-06	1.29E-05	7.00E-05	4.34E-06	pCi/L	U

API-4

A.P. Gross Beta

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-4(413597004) - A.P. Gross Beta	3-Jan-17	BETA	2.48E-05	2.23E-06	2.52E-06	1.00E-05	2.24E-06	pCi/L	
API-4(414095004) - A.P. Gross Beta	10-Jan-17	BETA	2.77E-05	2.30E-06	2.41E-06	1.00E-05	2.31E-06	pCi/L	
API-4(414524004) - A.P. Gross Beta	17-Jan-17	BETA	5.41E-05	3.17E-06	2.47E-06	1.00E-05	3.22E-06	pCi/L	
API-4(414983004) - A.P. Gross Beta	24-Jan-17	BETA	2.04E-05	2.04E-06	2.47E-06	1.00E-05	2.06E-06	pCi/L	
API-4(415482004) - A.P. Gross Beta	31-Jan-17	BETA	2.30E-05	2.13E-06	2.42E-06	1.00E-05	2.14E-06	pCi/L	
API-4(415920004) - A.P. Gross Beta	7-Feb-17	BETA	2.75E-05	2.34E-06	2.43E-06	1.00E-05	2.36E-06	pCi/L	
API-4(416626004) - A.P. Gross Beta	13-Feb-17	BETA	2.34E-05	2.37E-06	3.02E-06	1.00E-05	2.38E-06	pCi/L	
API-4(417081004) - A.P. Gross Beta	21-Feb-17	BETA	1.59E-05	1.69E-06	2.12E-06	1.00E-05	1.70E-06	pCi/L	
API-4(417566004) - A.P. Gross Beta	28-Feb-17	BETA	2.21E-05	2.10E-06	2.31E-06	1.00E-05	2.11E-06	pCi/L	
API-4(418028004) - A.P. Gross Beta	7-Mar-17	BETA	2.27E-05	2.12E-06	2.30E-06	1.00E-05	2.13E-06	pCi/L	
API-4(418593004) - A.P. Gross Beta	14-Mar-17	BETA	2.37E-05	2.18E-06	2.53E-06	1.00E-05	2.19E-06	pCi/L	
API-4(419040004) - A.P. Gross Beta	21-Mar-17	BETA	2.43E-05	2.22E-06	2.61E-06	1.00E-05	2.23E-06	pCi/L	
API-4(419454004) - A.P. Gross Beta	28-Mar-17	BETA	2.15E-05	2.07E-06	2.35E-06	1.00E-05	2.08E-06	pCi/L	

API-4(419858004) - A.P. Gross Beta	4-Apr-17	BETA	2.09E-05	2.06E-06	2.37E-06	1.00E-05	2.07E-06	pCi/L	
API-4(420455004) - A.P. Gross Beta	11-Apr-17	BETA	2.32E-05	2.15E-06	2.47E-06	1.00E-05	2.17E-06	pCi/L	
API-4(421024004) - A.P. Gross Beta	18-Apr-17	BETA	1.88E-05	1.96E-06	2.45E-06	1.00E-05	1.97E-06	pCi/L	
API-4(421505004) - A.P. Gross Beta	25-Apr-17	BETA	1.79E-05	1.95E-06	2.58E-06	1.00E-05	1.96E-06	pCi/L	
API-4(422177004) - A.P. Gross Beta	2-May-17	BETA	1.51E-05	1.79E-06	2.41E-06	1.00E-05	1.80E-06	pCi/L	
API-4(422744004) - A.P. Gross Beta	9-May-17	BETA	1.31E-05	1.69E-06	2.41E-06	1.00E-05	1.70E-06	pCi/L	
API-4(423341004) - A.P. Gross Beta	16-May-17	BETA	1.87E-05	1.95E-06	2.42E-06	1.00E-05	1.96E-06	pCi/L	
API-4(423912004) - A.P. Gross Beta	23-May-17	BETA	2.00E-05	2.03E-06	2.54E-06	1.00E-05	2.04E-06	pCi/L	
API-4(424308004) - A.P. Gross Beta	30-May-17	BETA	1.63E-05	1.84E-06	2.35E-06	1.00E-05	1.85E-06	pCi/L	
API-4(424711004) - A.P. Gross Beta	5-Jun-17	BETA	2.04E-05	2.22E-06	2.90E-06	1.00E-05	2.23E-06	pCi/L	
API-4(425398004) - A.P. Gross Beta	13-Jun-17	BETA	1.83E-05	1.81E-06	2.13E-06	1.00E-05	1.82E-06	pCi/L	
API-4(425913004) - A.P. Gross Beta	20-Jun-17	BETA	2.15E-05	2.10E-06	2.52E-06	1.00E-05	2.11E-06	pCi/L	
API-4(426684004) - A.P. Gross Beta	27-Jun-17	BETA	1.56E-05	1.81E-06	2.49E-06	1.00E-05	1.82E-06	pCi/L	
API-4(427151004) - A.P. Gross Beta	3-Jul-17	BETA	1.94E-05	2.22E-06	2.86E-06	1.00E-05	2.23E-06	pCi/L	
API-4(427621004) - A.P. Gross Beta	11-Jul-17	BETA	1.73E-05	1.72E-06	1.99E-06	1.00E-05	1.73E-06	pCi/L	
API-4(428221004) - A.P. Gross Beta	18-Jul-17	BETA	2.74E-05	2.32E-06	2.47E-06	1.00E-05	2.34E-06	pCi/L	
API-4(428869004) - A.P. Gross Beta	25-Jul-17	BETA	2.22E-05	2.14E-06	2.45E-06	1.00E-05	2.15E-06	pCi/L	
API-4(429483004) - A.P. Gross Beta	1-Aug-17	BETA	1.61E-05	1.83E-06	2.34E-06	1.00E-05	1.84E-06	pCi/L	
API-4(430147004) - A.P. Gross Beta	8-Aug-17	BETA	2.00E-05	2.01E-06	2.39E-06	1.00E-05	2.02E-06	pCi/L	
API-4(430764004) - A.P. Gross Beta	15-Aug-17	BETA	2.05E-05	2.06E-06	2.53E-06	1.00E-05	2.07E-06	pCi/L	
API-4(431253004) - A.P. Gross Beta	22-Aug-17	BETA	2.48E-05	2.20E-06	2.35E-06	1.00E-05	2.22E-06	pCi/L	
API-4(431755004) - A.P. Gross Beta	29-Aug-17	BETA	2.40E-05	2.18E-06	2.36E-06	1.00E-05	2.19E-06	pCi/L	
API-4(432204004) - A.P. Gross Beta	5-Sep-17	BETA	2.72E-05	2.32E-06	2.39E-06	1.00E-05	2.33E-06	pCi/L	
API-4(432595004) - A.P. Gross Beta	12-Sep-17	BETA	1.38E-05	1.71E-06	2.28E-06	1.00E-05	1.71E-06	pCi/L	
API-4(433187004) - A.P. Gross Beta	19-Sep-17	BETA	3.78E-05	2.68E-06	2.37E-06	1.00E-05	2.71E-06	pCi/L	
API-4(433669004) - A.P. Gross Beta	26-Sep-17	BETA	6.62E-05	3.51E-06	2.54E-06	1.00E-05	3.57E-06	pCi/L	
API-4(434161004) - A.P. Gross Beta	3-Oct-17	BETA	4.19E-05	2.81E-06	2.46E-06	1.00E-05	2.84E-06	pCi/L	
API-4(434801004) - A.P. Gross Beta	10-Oct-17	BETA	4.04E-05	2.80E-06	2.63E-06	1.00E-05	2.83E-06	pCi/L	
API-4(435378004) - A.P. Gross Beta	17-Oct-17	BETA	3.27E-05	2.55E-06	2.65E-06	1.00E-05	2.57E-06	pCi/L	
API-4(436154004) - A.P. Gross Beta	24-Oct-17	BETA	4.83E-05	3.01E-06	2.58E-06	1.00E-05	3.06E-06	pCi/L	
API-4(436871004) - A.P. Gross Beta	31-Oct-17	BETA	1.68E-05	1.89E-06	2.52E-06	1.00E-05	1.89E-06	pCi/L	
API-4(437291004) - A.P. Gross Beta	7-Nov-17	BETA	4.42E-05	2.88E-06	2.41E-06	1.00E-05	2.92E-06	pCi/L	
API-4(437887004) - A.P. Gross Beta	14-Nov-17	BETA	5.05E-05	3.10E-06	2.45E-06	1.00E-05	3.15E-06	pCi/L	
API-4(438506004) - A.P. Gross Beta	21-Nov-17	BETA	4.09E-05	2.81E-06	2.61E-06	1.00E-05	2.84E-06	pCi/L	
API-4(438787004) - A.P. Gross Beta	28-Nov-17	BETA	5.07E-05	3.07E-06	2.50E-06	1.00E-05	3.12E-06	pCi/L	
API-4(439178004) - A.P. Gross Beta	4-Dec-17	BETA	4.34E-05	3.13E-06	3.03E-06	1.00E-05	3.16E-06	pCi/L	
API-4(439975004) - A.P. Gross Beta	12-Dec-17	BETA	4.82E-05	2.49E-06	2.33E-06	1.00E-05	2.50E-06	pCi/L	
API-4(440418004) - A.P. Gross Beta	19-Dec-17	BETA	4.55E-05	2.59E-06	2.61E-06	1.00E-05	2.60E-06	pCi/L	
API-4(440779004) - A.P. Gross Beta	27-Dec-17	BETA	4.94E-05	2.56E-06	2.41E-06	1.00E-05	2.57E-06	pCi/L	

API-4

A.P. Gross Beta Comp

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Actinium-228	4.16E-06	1.68E-06	4.98E-06		1.93E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Actinium-228	-1.74E-06	7.93E-07	2.08E-06		8.95E-07	pCi/L	U

API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Actinium-228	-1.55E-07	9.95E-07	3.39E-06		9.96E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Actinium-228	1.07E-06	1.09E-06	3.98E-06		1.12E-06	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Antimony-124	1.14E-06	1.10E-06	4.22E-06		1.13E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Antimony-124	1.30E-06	9.08E-07	3.80E-06		9.58E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Antimony-124	1.46E-07	9.74E-07	3.33E-06		9.74E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Antimony-124	2.15E-08	5.69E-07	1.91E-06		5.69E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Antimony-125	-9.41E-08	6.12E-07	2.00E-06		6.12E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Antimony-125	-2.13E-07	5.55E-07	1.76E-06		5.57E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Antimony-125	2.34E-07	4.84E-07	1.67E-06		4.87E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Antimony-125	-1.01E-07	5.19E-07	1.69E-06		5.19E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Barium-140	-3.29E-06	3.44E-06	9.87E-06		3.52E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Barium-140	7.79E-08	6.54E-06	2.14E-05		6.54E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Barium-140	-7.13E-06	1.00E-05	3.02E-05		1.02E-05	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Barium-140	3.70E-06	2.61E-06	9.51E-06		2.76E-06	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Beryllium-7	6.44E-05	7.47E-06	9.06E-06		7.62E-06	pCi/L	
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Beryllium-7	6.67E-05	8.09E-06	9.14E-06		8.61E-06	pCi/L	
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Beryllium-7	7.43E-05	7.91E-06	9.93E-06		8.67E-06	pCi/L	
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Beryllium-7	7.33E-05	7.17E-06	6.77E-06		7.98E-06	pCi/L	
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Cerium-141	4.08E-07	5.29E-07	1.28E-06		5.29E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Cerium-141	-1.31E-06	6.33E-07	1.84E-06		7.03E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Cerium-141	-1.33E-06	5.83E-07	1.54E-06		6.68E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Cerium-141	-1.45E-07	2.94E-07	9.01E-07		2.96E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Cerium-144	5.25E-07	8.87E-07	3.16E-06		8.96E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Cerium-144	-6.58E-07	1.07E-06	3.16E-06		1.08E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Cerium-144	3.19E-07	8.24E-07	2.75E-06		8.28E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Cerium-144	8.28E-08	8.90E-07	2.91E-06		8.90E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Cesium-134	1.93E-07	2.56E-07	9.21E-07	5.00E-05	2.60E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Cesium-134	3.97E-07	2.82E-07	1.06E-06	5.00E-05	2.97E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Cesium-134	3.73E-07	2.52E-07	9.79E-07	5.00E-05	2.67E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Cesium-134	3.33E-07	1.97E-07	8.04E-07	5.00E-05	2.12E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Cesium-137	-4.08E-07	2.72E-07	7.11E-07	6.00E-05	2.88E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Cesium-137	-4.98E-08	2.35E-07	7.39E-07	6.00E-05	2.36E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Cesium-137	1.32E-07	1.88E-07	6.59E-07	6.00E-05	1.91E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Cesium-137	-5.08E-07	2.34E-07	5.22E-07	6.00E-05	2.63E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Chromium-51	-3.59E-06	3.37E-06	1.03E-05		3.47E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Chromium-51	8.03E-07	3.28E-06	1.12E-05		3.29E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Chromium-51	8.79E-08	4.16E-06	1.41E-05		4.16E-06	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Chromium-51	-5.99E-07	2.44E-06	7.23E-06		2.44E-06	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-57	-8.24E-08	1.28E-07	4.23E-07		1.29E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-57	6.34E-08	1.41E-07	4.55E-07		1.42E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-57	-1.35E-07	1.05E-07	3.13E-07		1.10E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-57	3.76E-08	8.78E-08	2.95E-07		8.82E-08	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-58	7.51E-08	2.35E-07	8.04E-07		2.36E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-58	-2.67E-07	2.88E-07	7.62E-07		2.95E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-58	-9.37E-08	3.19E-07	1.04E-06		3.20E-07	pCi/L	U

API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-58	4.76E-07	2.22E-07	7.54E-07		2.24E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Iodine-131	2.69E-06	2.32E-06	8.51E-06		2.40E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Iodine-131	3.93E-07	7.22E-06	2.41E-05		7.22E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Iodine-131	5.44E-06	9.14E-06	3.22E-05		9.23E-06	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Iodine-131	1.33E-06	1.10E-06	4.03E-06		1.15E-06	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Iron-59	-1.09E-06	6.46E-07	1.13E-06		6.94E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Iron-59	-8.55E-07	8.17E-07	2.49E-06		8.42E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Iron-59	5.22E-07	9.49E-07	3.35E-06		9.57E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Iron-59	-9.27E-07	6.53E-07	1.66E-06		6.89E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Lanthanum-140	1.01E-06	1.38E-06	5.26E-06		1.40E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Lanthanum-140	1.17E-06	2.67E-06	9.60E-06		2.68E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Lanthanum-140	-3.14E-06	3.39E-06	8.91E-06		3.47E-06	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Lanthanum-140	-1.85E-09	9.59E-07	3.21E-06		9.59E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Manganese-54	1.54E-07	2.57E-07	8.99E-07		2.60E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Manganese-54	-1.90E-07	2.38E-07	6.58E-07		2.42E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Manganese-54	2.31E-07	1.98E-07	7.64E-07		2.05E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Manganese-54	-1.53E-07	2.40E-07	7.48E-07		2.43E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Niobium-95	3.23E-07	3.53E-07	1.17E-06		3.61E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Niobium-95	-6.19E-08	3.08E-07	9.55E-07		3.09E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Niobium-95	-2.46E-07	3.61E-07	1.17E-06		3.66E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Niobium-95	8.65E-08	2.86E-07	9.95E-07		2.87E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Potassium-40	1.55E-05	5.75E-06	7.98E-06		5.77E-06	pCi/L	
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Potassium-40	7.95E-06	4.94E-06	9.88E-06		4.96E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Potassium-40	8.95E-06	5.09E-06	8.95E-06		5.12E-06	pCi/L	UI
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Potassium-40	2.46E-07	4.03E-06	1.53E-05		4.03E-06	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-103	5.39E-08	3.66E-07	1.22E-06		3.66E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-103	3.28E-07	3.09E-07	1.15E-06		3.19E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-103	2.36E-07	3.69E-07	1.29E-06		3.73E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-103	1.53E-07	2.19E-07	7.72E-07		2.22E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-106	2.49E-06	2.58E-06	9.26E-06		2.65E-06	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-106	-2.49E-06	2.03E-06	5.50E-06		2.12E-06	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-106	4.45E-06	4.06E-06	5.56E-06		4.07E-06	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-106	-6.84E-07	1.55E-06	4.63E-06		1.55E-06	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Selenium-75	-5.28E-08	2.53E-07	8.39E-07		2.53E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Selenium-75	-4.29E-07	2.42E-07	6.79E-07		2.62E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Selenium-75	3.78E-07	2.42E-07	9.11E-07		2.58E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Selenium-75	-3.29E-07	2.14E-07	6.58E-07		2.28E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Silver-108m	2.71E-07	2.01E-07	7.46E-07		2.10E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Silver-108m	2.07E-08	1.54E-07	5.16E-07		1.55E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Silver-108m	5.58E-08	1.33E-07	4.20E-07		1.34E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Silver-108m	6.82E-08	1.65E-07	5.65E-07		1.66E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Silver-110m	1.24E-07	3.33E-07	1.13E-06		3.34E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Silver-110m	-1.48E-07	3.47E-07	1.02E-06		3.49E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Silver-110m	3.53E-08	3.27E-07	1.11E-06		3.27E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Silver-110m	5.22E-08	3.77E-07	1.28E-06		3.77E-07	pCi/L	U

API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Zinc-65	2.99E-07	6.22E-07	2.13E-06		6.25E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Zinc-65	-6.27E-07	4.73E-07	7.39E-07		4.95E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Zinc-65	1.24E-07	6.52E-07	2.19E-06		6.52E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Zinc-65	2.84E-07	4.88E-07	1.74E-06		4.93E-07	pCi/L	U
API-4(420838004) - A.P. Gross Beta Comp	28-Mar-17	Zirconium-95	2.23E-07	3.65E-07	1.33E-06		3.69E-07	pCi/L	U
API-4(429360004) - A.P. Gross Beta Comp	27-Jun-17	Zirconium-95	-8.86E-07	4.98E-07	1.00E-06		5.40E-07	pCi/L	U
API-4(436535004) - A.P. Gross Beta Comp	26-Sep-17	Zirconium-95	1.59E-08	5.82E-07	1.98E-06		5.82E-07	pCi/L	U
API-4(441660004) - A.P. Gross Beta Comp	27-Dec-17	Zirconium-95	-5.30E-07	3.58E-07	9.32E-07		3.80E-07	pCi/L	U

API-5

A.C. Iodine

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-5(413597011) - A.C. Iodine	3-Jan-17	Iodine-131	2.00E-06	4.37E-06	1.53E-05	7.00E-05	4.40E-06	pCi/L	U
API-5(414095011) - A.C. Iodine	10-Jan-17	Iodine-131	6.71E-07	3.79E-06	1.32E-05	7.00E-05	3.79E-06	pCi/L	U
API-5(414524011) - A.C. Iodine	17-Jan-17	Iodine-131	-9.16E-07	5.43E-06	1.75E-05	7.00E-05	5.43E-06	pCi/L	U
API-5(414983011) - A.C. Iodine	24-Jan-17	Iodine-131	3.22E-06	3.80E-06	1.50E-05	7.00E-05	3.88E-06	pCi/L	U
API-5(415482011) - A.C. Iodine	31-Jan-17	Iodine-131	5.50E-06	5.24E-06	2.06E-05	7.00E-05	5.39E-06	pCi/L	U
API-5(415920011) - A.C. Iodine	7-Feb-17	Iodine-131	5.08E-07	2.69E-06	9.31E-06	7.00E-05	2.69E-06	pCi/L	U
API-5(416626011) - A.C. Iodine	13-Feb-17	Iodine-131	3.87E-06	6.65E-06	2.40E-05	7.00E-05	6.71E-06	pCi/L	U
API-5(417081011) - A.C. Iodine	21-Feb-17	Iodine-131	-9.88E-07	3.99E-06	1.27E-05	7.00E-05	3.99E-06	pCi/L	U
API-5(417566011) - A.C. Iodine	28-Feb-17	Iodine-131	-2.44E-06	3.72E-06	1.04E-05	7.00E-05	3.76E-06	pCi/L	U
API-5(418028011) - A.C. Iodine	7-Mar-17	Iodine-131	3.50E-06	6.20E-06	2.26E-05	7.00E-05	6.26E-06	pCi/L	U
API-5(418593011) - A.C. Iodine	14-Mar-17	Iodine-131	-9.60E-06	8.90E-06	2.05E-05	7.00E-05	9.17E-06	pCi/L	U
API-5(419040011) - A.C. Iodine	21-Mar-17	Iodine-131	-1.41E-06	5.67E-06	1.67E-05	7.00E-05	5.68E-06	pCi/L	U
API-5(419454011) - A.C. Iodine	28-Mar-17	Iodine-131	1.07E-06	4.45E-06	1.58E-05	7.00E-05	4.46E-06	pCi/L	U
API-5(419858011) - A.C. Iodine	4-Apr-17	Iodine-131	7.67E-06	5.71E-06	2.30E-05	7.00E-05	5.98E-06	pCi/L	U
API-5(420455011) - A.C. Iodine	11-Apr-17	Iodine-131	5.81E-07	7.28E-06	2.49E-05	7.00E-05	7.28E-06	pCi/L	U
API-5(421024011) - A.C. Iodine	18-Apr-17	Iodine-131	3.31E-06	4.88E-06	1.81E-05	7.00E-05	4.94E-06	pCi/L	U
API-5(421505011) - A.C. Iodine	25-Apr-17	Iodine-131	-9.94E-06	8.69E-06	2.35E-05	7.00E-05	8.98E-06	pCi/L	U
API-5(422177011) - A.C. Iodine	2-May-17	Iodine-131	7.08E-06	8.34E-06	3.10E-05	7.00E-05	8.49E-06	pCi/L	U
API-5(422744011) - A.C. Iodine	9-May-17	Iodine-131	-1.10E-06	5.91E-06	1.87E-05	7.00E-05	5.91E-06	pCi/L	U
API-5(423341011) - A.C. Iodine	16-May-17	Iodine-131	-2.21E-06	5.56E-06	1.70E-05	7.00E-05	5.59E-06	pCi/L	U
API-5(423912011) - A.C. Iodine	23-May-17	Iodine-131	1.53E-06	5.97E-06	2.07E-05	7.00E-05	5.98E-06	pCi/L	U
API-5(424308011) - A.C. Iodine	30-May-17	Iodine-131	-2.10E-06	5.13E-06	1.62E-05	7.00E-05	5.15E-06	pCi/L	U
API-5(424711011) - A.C. Iodine	5-Jun-17	Iodine-131	8.59E-06	8.89E-06	3.31E-05	7.00E-05	9.11E-06	pCi/L	U
API-5(425398011) - A.C. Iodine	13-Jun-17	Iodine-131	5.62E-06	6.03E-06	2.30E-05	7.00E-05	6.17E-06	pCi/L	U
API-5(425913011) - A.C. Iodine	20-Jun-17	Iodine-131	5.19E-06	5.11E-06	2.01E-05	7.00E-05	5.25E-06	pCi/L	U
API-5(426684011) - A.C. Iodine	27-Jun-17	Iodine-131	9.31E-06	7.45E-06	2.97E-05	7.00E-05	7.76E-06	pCi/L	U
API-5(427151011) - A.C. Iodine	3-Jul-17	Iodine-131	-4.30E-06	2.76E-06	7.77E-06	7.00E-05	2.94E-06	pCi/L	U
API-5(427621011) - A.C. Iodine	11-Jul-17	Iodine-131	-6.09E-07	1.67E-06	5.19E-06	7.00E-05	1.68E-06	pCi/L	U
API-5(428221011) - A.C. Iodine	18-Jul-17	Iodine-131	1.21E-07	3.64E-06	1.24E-05	7.00E-05	3.64E-06	pCi/L	U
API-5(428869011) - A.C. Iodine	25-Jul-17	Iodine-131	3.30E-06	4.94E-06	1.97E-05	7.00E-05	5.00E-06	pCi/L	U
API-5(429483011) - A.C. Iodine	1-Aug-17	Iodine-131	-9.61E-06	5.90E-06	1.13E-05	7.00E-05	6.31E-06	pCi/L	U
API-5(430147011) - A.C. Iodine	8-Aug-17	Iodine-131	4.16E-06	6.48E-06	2.30E-05	7.00E-05	6.56E-06	pCi/L	U
API-5(430764011) - A.C. Iodine	15-Aug-17	Iodine-131	-1.65E-06	6.90E-06	2.26E-05	7.00E-05	6.91E-06	pCi/L	U

API-5(431253011) - A.C. Iodine	22-Aug-17	Iodine-131	1.24E-06	5.77E-06	1.97E-05	7.00E-05	5.78E-06	pCi/L	U
API-5(431755011) - A.C. Iodine	29-Aug-17	Iodine-131	2.03E-06	5.57E-06	1.96E-05	7.00E-05	5.59E-06	pCi/L	U
API-5(432204011) - A.C. Iodine	5-Sep-17	Iodine-131	8.69E-07	4.53E-06	1.53E-05	7.00E-05	4.53E-06	pCi/L	U
API-5(432595011) - A.C. Iodine	12-Sep-17	Iodine-131	1.80E-06	5.20E-06	1.79E-05	7.00E-05	5.21E-06	pCi/L	U
API-5(433187011) - A.C. Iodine	19-Sep-17	Iodine-131	4.80E-06	4.41E-06	1.83E-05	7.00E-05	4.55E-06	pCi/L	U
API-5(433669011) - A.C. Iodine	26-Sep-17	Iodine-131	3.49E-06	4.96E-06	1.99E-05	7.00E-05	5.03E-06	pCi/L	U
API-5(434161011) - A.C. Iodine	3-Oct-17	Iodine-131	4.42E-07	5.88E-06	2.02E-05	7.00E-05	5.88E-06	pCi/L	U
API-5(434801011) - A.C. Iodine	10-Oct-17	Iodine-131	-2.35E-07	6.11E-06	1.99E-05	7.00E-05	6.11E-06	pCi/L	U
API-5(435378011) - A.C. Iodine	17-Oct-17	Iodine-131	2.54E-06	4.28E-06	1.61E-05	7.00E-05	4.32E-06	pCi/L	U
API-5(436154011) - A.C. Iodine	24-Oct-17	Iodine-131	3.24E-06	3.61E-06	1.47E-05	7.00E-05	3.69E-06	pCi/L	U
API-5(436871011) - A.C. Iodine	31-Oct-17	Iodine-131	-8.68E-07	6.17E-06	2.01E-05	7.00E-05	6.17E-06	pCi/L	U
API-5(437291011) - A.C. Iodine	7-Nov-17	Iodine-131	-4.07E-06	4.88E-06	1.38E-05	7.00E-05	4.98E-06	pCi/L	U
API-5(437887011) - A.C. Iodine	14-Nov-17	Iodine-131	1.05E-05	7.13E-06	2.81E-05	7.00E-05	7.54E-06	pCi/L	U
API-5(438506011) - A.C. Iodine	21-Nov-17	Iodine-131	-1.26E-05	8.00E-06	1.62E-05	7.00E-05	8.53E-06	pCi/L	U
API-5(438787011) - A.C. Iodine	28-Nov-17	Iodine-131	4.87E-06	4.49E-06	1.80E-05	7.00E-05	4.63E-06	pCi/L	U
API-5(439178011) - A.C. Iodine	4-Dec-17	Iodine-131	-1.21E-07	9.84E-06	3.37E-05	7.00E-05	9.84E-06	pCi/L	U
API-5(439975011) - A.C. Iodine	12-Dec-17	Iodine-131	5.17E-07	2.66E-06	8.77E-06	7.00E-05	2.67E-06	pCi/L	U
API-5(440418011) - A.C. Iodine	19-Dec-17	Iodine-131	1.12E-05	7.16E-06	2.81E-05	7.00E-05	7.63E-06	pCi/L	U
API-5(440779011) - A.C. Iodine	27-Dec-17	Iodine-131	4.87E-06	4.63E-06	1.85E-05	7.00E-05	4.77E-06	pCi/L	U

API-5

A.P. Gross Beta

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-5(413597005) - A.P. Gross Beta	3-Jan-17	BETA	2.62E-05	2.28E-06	2.52E-06	1.00E-05	2.30E-06	pCi/L	
API-5(414095005) - A.P. Gross Beta	10-Jan-17	BETA	2.89E-05	2.35E-06	2.43E-06	1.00E-05	2.37E-06	pCi/L	
API-5(414524005) - A.P. Gross Beta	17-Jan-17	BETA	3.27E-05	2.50E-06	2.44E-06	1.00E-05	2.52E-06	pCi/L	
API-5(414983005) - A.P. Gross Beta	24-Jan-17	BETA	2.09E-05	2.09E-06	2.52E-06	1.00E-05	2.10E-06	pCi/L	
API-5(415482005) - A.P. Gross Beta	31-Jan-17	BETA	2.27E-05	2.12E-06	2.44E-06	1.00E-05	2.14E-06	pCi/L	
API-5(415920005) - A.P. Gross Beta	7-Feb-17	BETA	2.66E-05	2.29E-06	2.41E-06	1.00E-05	2.31E-06	pCi/L	
API-5(416626005) - A.P. Gross Beta	13-Feb-17	BETA	2.90E-05	2.61E-06	3.03E-06	1.00E-05	2.62E-06	pCi/L	
API-5(417081005) - A.P. Gross Beta	21-Feb-17	BETA	2.10E-05	1.92E-06	2.13E-06	1.00E-05	1.93E-06	pCi/L	
API-5(417566005) - A.P. Gross Beta	28-Feb-17	BETA	2.59E-05	2.25E-06	2.31E-06	1.00E-05	2.27E-06	pCi/L	
API-5(418028005) - A.P. Gross Beta	7-Mar-17	BETA	2.33E-05	2.14E-06	2.30E-06	1.00E-05	2.16E-06	pCi/L	
API-5(418593005) - A.P. Gross Beta	14-Mar-17	BETA	2.14E-05	2.10E-06	2.55E-06	1.00E-05	2.11E-06	pCi/L	
API-5(419040005) - A.P. Gross Beta	21-Mar-17	BETA	2.46E-05	2.23E-06	2.61E-06	1.00E-05	2.24E-06	pCi/L	
API-5(419454005) - A.P. Gross Beta	28-Mar-17	BETA	2.35E-05	2.16E-06	2.35E-06	1.00E-05	2.17E-06	pCi/L	
API-5(419858005) - A.P. Gross Beta	4-Apr-17	BETA	1.99E-05	2.01E-06	2.37E-06	1.00E-05	2.02E-06	pCi/L	
API-5(420455005) - A.P. Gross Beta	11-Apr-17	BETA	1.52E-05	1.82E-06	2.52E-06	1.00E-05	1.83E-06	pCi/L	
API-5(421024005) - A.P. Gross Beta	18-Apr-17	BETA	2.16E-05	2.09E-06	2.45E-06	1.00E-05	2.10E-06	pCi/L	
API-5(421505005) - A.P. Gross Beta	25-Apr-17	BETA	1.28E-05	1.70E-06	2.58E-06	1.00E-05	1.70E-06	pCi/L	
API-5(422177005) - A.P. Gross Beta	2-May-17	BETA	1.91E-05	2.25E-06	2.99E-06	1.00E-05	2.26E-06	pCi/L	
API-5(422744005) - A.P. Gross Beta	9-May-17	BETA	2.31E-05	2.15E-06	2.40E-06	1.00E-05	2.16E-06	pCi/L	
API-5(423341005) - A.P. Gross Beta	16-May-17	BETA	1.51E-05	1.79E-06	2.45E-06	1.00E-05	1.80E-06	pCi/L	
API-5(423912005) - A.P. Gross Beta	23-May-17	BETA	2.38E-05	2.18E-06	2.52E-06	1.00E-05	2.20E-06	pCi/L	
API-5(424308005) - A.P. Gross Beta	30-May-17	BETA	1.74E-05	1.89E-06	2.35E-06	1.00E-05	1.90E-06	pCi/L	

API-5(424711005) - A.P. Gross Beta	5-Jun-17	BETA	3.14E-05	2.70E-06	2.93E-06	1.00E-05	2.72E-06	pCi/L	
API-5(425398005) - A.P. Gross Beta	13-Jun-17	BETA	1.88E-05	1.82E-06	2.12E-06	1.00E-05	1.83E-06	pCi/L	
API-5(425913005) - A.P. Gross Beta	20-Jun-17	BETA	2.28E-05	2.15E-06	2.51E-06	1.00E-05	2.16E-06	pCi/L	
API-5(426684005) - A.P. Gross Beta	27-Jun-17	BETA	1.69E-05	1.89E-06	2.52E-06	1.00E-05	1.90E-06	pCi/L	
API-5(427151005) - A.P. Gross Beta	3-Jul-17	BETA	2.43E-05	2.40E-06	2.77E-06	1.00E-05	2.42E-06	pCi/L	
API-5(427621005) - A.P. Gross Beta	11-Jul-17	BETA	1.59E-05	1.67E-06	2.02E-06	1.00E-05	1.68E-06	pCi/L	
API-5(428221005) - A.P. Gross Beta	18-Jul-17	BETA	2.35E-05	2.16E-06	2.47E-06	1.00E-05	2.18E-06	pCi/L	
API-5(428869005) - A.P. Gross Beta	25-Jul-17	BETA	2.24E-05	2.12E-06	2.40E-06	1.00E-05	2.13E-06	pCi/L	
API-5(429483005) - A.P. Gross Beta	1-Aug-17	BETA	1.77E-05	1.90E-06	2.34E-06	1.00E-05	1.91E-06	pCi/L	
API-5(430147005) - A.P. Gross Beta	8-Aug-17	BETA	2.22E-05	2.12E-06	2.42E-06	1.00E-05	2.13E-06	pCi/L	
API-5(430764005) - A.P. Gross Beta	15-Aug-17	BETA	2.95E-05	2.41E-06	2.50E-06	1.00E-05	2.43E-06	pCi/L	
API-5(431253005) - A.P. Gross Beta	22-Aug-17	BETA	2.61E-05	2.26E-06	2.36E-06	1.00E-05	2.27E-06	pCi/L	
API-5(431755005) - A.P. Gross Beta	29-Aug-17	BETA	2.51E-05	2.23E-06	2.38E-06	1.00E-05	2.24E-06	pCi/L	
API-5(432204005) - A.P. Gross Beta	5-Sep-17	BETA	3.17E-05	2.47E-06	2.36E-06	1.00E-05	2.49E-06	pCi/L	
API-5(432595005) - A.P. Gross Beta	12-Sep-17	BETA	1.65E-05	1.84E-06	2.28E-06	1.00E-05	1.85E-06	pCi/L	
API-5(433187005) - A.P. Gross Beta	19-Sep-17	BETA	4.26E-05	2.84E-06	2.38E-06	1.00E-05	2.87E-06	pCi/L	
API-5(433669005) - A.P. Gross Beta	26-Sep-17	BETA	4.47E-05	2.90E-06	2.52E-06	1.00E-05	2.94E-06	pCi/L	
API-5(434161005) - A.P. Gross Beta	3-Oct-17	BETA	3.86E-05	2.71E-06	2.46E-06	1.00E-05	2.74E-06	pCi/L	
API-5(434801005) - A.P. Gross Beta	10-Oct-17	BETA	3.28E-05	2.54E-06	2.63E-06	1.00E-05	2.57E-06	pCi/L	
API-5(435378005) - A.P. Gross Beta	17-Oct-17	BETA	2.55E-05	2.27E-06	2.63E-06	1.00E-05	2.29E-06	pCi/L	
API-5(436154005) - A.P. Gross Beta	24-Oct-17	BETA	3.67E-05	2.67E-06	2.61E-06	1.00E-05	2.70E-06	pCi/L	
API-5(436871005) - A.P. Gross Beta	31-Oct-17	BETA	2.13E-05	2.08E-06	2.51E-06	1.00E-05	2.09E-06	pCi/L	
API-5(437291005) - A.P. Gross Beta	7-Nov-17	BETA	2.64E-05	2.29E-06	2.43E-06	1.00E-05	2.31E-06	pCi/L	
API-5(437887005) - A.P. Gross Beta	14-Nov-17	BETA	3.39E-05	2.56E-06	2.43E-06	1.00E-05	2.59E-06	pCi/L	
API-5(438506005) - A.P. Gross Beta	21-Nov-17	BETA	2.84E-05	2.39E-06	2.61E-06	1.00E-05	2.40E-06	pCi/L	
API-5(438787005) - A.P. Gross Beta	28-Nov-17	BETA	3.98E-05	2.75E-06	2.50E-06	1.00E-05	2.78E-06	pCi/L	
API-5(439178005) - A.P. Gross Beta	4-Dec-17	BETA	3.35E-05	2.80E-06	3.05E-06	1.00E-05	2.82E-06	pCi/L	
API-5(439975005) - A.P. Gross Beta	12-Dec-17	BETA	4.43E-05	2.45E-06	2.48E-06	1.00E-05	2.46E-06	pCi/L	
API-5(440418005) - A.P. Gross Beta	19-Dec-17	BETA	3.51E-05	2.34E-06	2.66E-06	1.00E-05	2.34E-06	pCi/L	
API-5(440779005) - A.P. Gross Beta	27-Dec-17	BETA	4.52E-05	2.48E-06	2.51E-06	1.00E-05	2.49E-06	pCi/L	

API-5

A.P. Gross Beta Comp

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Actinium-228	-7.12E-07	9.59E-07	2.84E-06		9.74E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Actinium-228	-9.21E-07	1.31E-06	4.41E-06		1.32E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Actinium-228	-1.22E-06	9.71E-07	2.89E-06		1.01E-06	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Actinium-228	1.39E-06	1.28E-06	3.74E-06		1.33E-06	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Antimony-124	-9.71E-07	6.29E-07	7.50E-07		6.69E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Antimony-124	0.00E+00	6.56E-07	0.00E+00		0.00E+00	pCi/L	UI
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Antimony-124	8.04E-07	8.00E-07	3.23E-06		8.22E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Antimony-124	-3.34E-07	7.54E-07	2.23E-06		7.58E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Antimony-125	7.91E-07	5.45E-07	2.03E-06		5.76E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Antimony-125	-6.68E-07	5.59E-07	1.59E-06		5.81E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Antimony-125	-1.76E-07	4.42E-07	1.41E-06		4.44E-07	pCi/L	U

API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Antimony-125	1.12E-06	4.76E-07	1.91E-06		5.43E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Barium-140	1.31E-06	2.82E-06	9.73E-06		2.83E-06	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Barium-140	3.84E-06	7.48E-06	2.70E-05		7.54E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Barium-140	1.63E-05	1.70E-05	2.28E-05		1.74E-05	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Barium-140	2.23E-06	1.91E-06	7.13E-06		1.98E-06	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Beryllium-7	6.18E-05	6.13E-06	5.42E-06		6.76E-06	pCi/L	
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Beryllium-7	6.55E-05	8.95E-06	8.63E-06		9.49E-06	pCi/L	
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Beryllium-7	5.36E-05	7.67E-06	7.94E-06		8.08E-06	pCi/L	
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Beryllium-7	5.75E-05	5.57E-06	3.85E-06		6.18E-06	pCi/L	
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Cerium-141	6.04E-07	7.45E-07	1.19E-06		7.45E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Cerium-141	6.72E-07	5.21E-07	1.90E-06		5.44E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Cerium-141	-1.98E-07	5.93E-07	1.81E-06		5.94E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Cerium-141	-2.08E-08	2.92E-07	9.30E-07		2.92E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Cerium-144	3.38E-08	8.72E-07	2.81E-06		8.72E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Cerium-144	-1.64E-07	8.25E-07	2.68E-06		8.26E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Cerium-144	-1.36E-06	9.85E-07	2.76E-06		1.04E-06	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Cerium-144	-9.32E-07	8.88E-07	2.62E-06		9.14E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Cesium-134	1.23E-08	1.94E-07	5.56E-07	5.00E-05	1.94E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Cesium-134	-7.91E-07	3.09E-07	2.02E-07	5.00E-05	3.60E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Cesium-134	-2.14E-08	2.16E-07	6.86E-07	5.00E-05	2.16E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Cesium-134	-1.72E-08	2.23E-07	7.06E-07	5.00E-05	2.23E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Cesium-137	6.62E-08	1.81E-07	6.14E-07	6.00E-05	1.82E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Cesium-137	4.06E-08	3.29E-07	1.10E-06	6.00E-05	3.29E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Cesium-137	0.00E+00	1.86E-07	6.07E-07	6.00E-05	0.00E+00	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Cesium-137	-1.34E-07	2.14E-07	6.41E-07	6.00E-05	2.16E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Chromium-51	5.00E-06	2.86E-06	1.09E-05		3.09E-06	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Chromium-51	-2.45E-06	4.99E-06	1.47E-05		5.03E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Chromium-51	6.54E-07	4.27E-06	1.47E-05		4.27E-06	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Chromium-51	1.48E-07	2.08E-06	7.12E-06		2.08E-06	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-57	1.57E-07	9.76E-08	3.58E-07		1.04E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-57	-1.11E-08	1.24E-07	4.09E-07		1.24E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-57	-1.76E-07	1.30E-07	3.67E-07		1.36E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-57	3.08E-08	1.05E-07	3.48E-07		1.06E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-58	-2.78E-07	2.13E-07	5.72E-07		2.23E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-58	-2.68E-07	3.67E-07	9.94E-07		3.73E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-58	-4.05E-07	2.60E-07	5.51E-07		2.77E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-58	-1.20E-07	2.01E-07	5.72E-07		2.03E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Iodine-131	2.55E-06	2.03E-06	7.02E-06		2.11E-06	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Iodine-131	1.81E-06	9.11E-06	3.19E-05		9.12E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Iodine-131	-4.19E-06	1.12E-05	3.25E-05		1.13E-05	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Iodine-131	9.73E-07	8.32E-07	3.15E-06		8.63E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Iron-59	1.45E-07	5.10E-07	1.79E-06		5.12E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Iron-59	-4.63E-09	9.72E-07	3.28E-06		9.72E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Iron-59	3.44E-07	5.93E-07	2.24E-06		5.99E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Iron-59	1.02E-07	4.24E-07	1.49E-06		4.24E-07	pCi/L	U

API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Lanthanum-140	-1.23E-06	1.10E-06	2.31E-06		1.14E-06	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Lanthanum-140	1.98E-06	1.98E-06	9.20E-06		2.03E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Lanthanum-140	-2.83E-06	2.00E-06	0.00E+00		2.11E-06	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Lanthanum-140	8.72E-08	5.23E-07	1.80E-06		5.23E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Manganese-54	1.56E-07	2.06E-07	7.64E-07		2.10E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Manganese-54	-3.44E-07	2.46E-07	4.76E-07		2.59E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Manganese-54	-8.62E-08	1.74E-07	5.03E-07		1.75E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Manganese-54	-6.92E-09	2.26E-07	7.19E-07		2.26E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Niobium-95	-4.43E-07	3.11E-07	7.59E-07		3.29E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Niobium-95	-2.26E-07	3.61E-07	1.02E-06		3.65E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Niobium-95	1.27E-07	3.30E-07	1.12E-06		3.31E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Niobium-95	-2.73E-09	2.17E-07	7.01E-07		2.17E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Potassium-40	6.06E-06	4.44E-06	1.77E-05		4.67E-06	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Potassium-40	-6.14E-06	4.26E-06	1.35E-05		4.50E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Potassium-40	3.20E-06	5.75E-06	1.04E-05		5.75E-06	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Potassium-40	8.98E-06	4.44E-06	9.87E-06		4.47E-06	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-103	-2.14E-07	2.35E-07	5.58E-07		2.41E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-103	6.03E-07	4.76E-07	1.79E-06		4.97E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-103	-1.69E-07	3.13E-07	9.60E-07		3.15E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-103	1.97E-07	2.40E-07	8.61E-07		2.44E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-106	-3.44E-06	2.17E-06	5.71E-06		2.32E-06	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-106	-3.14E-06	2.30E-06	5.71E-06		2.42E-06	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-106	-3.32E-06	1.80E-06	4.27E-06		1.97E-06	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-106	-5.80E-08	1.69E-06	5.50E-06		1.69E-06	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Selenium-75	2.41E-07	2.22E-07	8.18E-07		2.29E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Selenium-75	3.71E-08	3.49E-07	1.12E-06		3.50E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Selenium-75	-1.94E-07	3.00E-07	9.84E-07		3.04E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Selenium-75	3.94E-07	2.26E-07	8.65E-07		2.44E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Silver-108m	-1.89E-07	1.93E-07	5.87E-07		1.98E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Silver-108m	-1.31E-07	1.97E-07	6.49E-07		1.99E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Silver-108m	7.22E-08	1.44E-07	5.07E-07		1.45E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Silver-108m	-6.52E-08	1.35E-07	4.25E-07		1.36E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Silver-110m	-1.72E-07	2.65E-07	8.22E-07		2.68E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Silver-110m	-2.72E-07	4.23E-07	1.17E-06		4.28E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Silver-110m	-2.80E-07	3.72E-07	1.06E-06		3.78E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Silver-110m	7.24E-08	2.97E-07	9.81E-07		2.98E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Zinc-65	-1.10E-06	5.07E-07	9.92E-07		5.69E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Zinc-65	-6.10E-07	6.19E-07	1.85E-06		6.35E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Zinc-65	7.26E-07	4.19E-07	1.82E-06		4.52E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Zinc-65	3.90E-07	4.08E-07	1.64E-06		4.18E-07	pCi/L	U
API-5(420838005) - A.P. Gross Beta Comp	28-Mar-17	Zirconium-95	-3.00E-07	5.47E-07	1.61E-06		5.51E-07	pCi/L	U
API-5(429360005) - A.P. Gross Beta Comp	27-Jun-17	Zirconium-95	-1.33E-06	7.70E-07	1.62E-06		8.31E-07	pCi/L	U
API-5(436535005) - A.P. Gross Beta Comp	26-Sep-17	Zirconium-95	3.72E-07	7.49E-07	2.33E-06		7.54E-07	pCi/L	U
API-5(441660005) - A.P. Gross Beta Comp	27-Dec-17	Zirconium-95	5.93E-08	3.86E-07	1.27E-06		3.86E-07	pCi/L	U

API-6
A.C. Iodine

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-6(413597012) - A.C. Iodine	3-Jan-17	Iodine-131	-4.04E-06	2.71E-06	5.78E-06	7.00E-05	2.87E-06	pCi/L	U
API-6(414095012) - A.C. Iodine	10-Jan-17	Iodine-131	3.47E-06	1.96E-06	9.11E-06	7.00E-05	2.11E-06	pCi/L	U
API-6(414524012) - A.C. Iodine	17-Jan-17	Iodine-131	-9.66E-06	6.21E-06	1.47E-05	7.00E-05	6.60E-06	pCi/L	U
API-6(414983012) - A.C. Iodine	24-Jan-17	Iodine-131	1.39E-06	5.54E-06	1.92E-05	7.00E-05	5.55E-06	pCi/L	U
API-6(415482012) - A.C. Iodine	31-Jan-17	Iodine-131	1.20E-05	5.04E-06	2.35E-05	7.00E-05	5.77E-06	pCi/L	U
API-6(415920012) - A.C. Iodine	7-Feb-17	Iodine-131	-8.96E-07	2.71E-06	8.56E-06	7.00E-05	2.72E-06	pCi/L	U
API-6(416626012) - A.C. Iodine	13-Feb-17	Iodine-131	-3.13E-06	4.95E-06	1.45E-05	7.00E-05	5.00E-06	pCi/L	U
API-6(417081012) - A.C. Iodine	21-Feb-17	Iodine-131	-3.18E-06	2.89E-06	8.30E-06	7.00E-05	2.99E-06	pCi/L	U
API-6(417566012) - A.C. Iodine	28-Feb-17	Iodine-131	-1.34E-06	4.50E-06	1.42E-05	7.00E-05	4.51E-06	pCi/L	U
API-6(418028012) - A.C. Iodine	7-Mar-17	Iodine-131	4.43E-06	4.41E-06	1.80E-05	7.00E-05	4.53E-06	pCi/L	U
API-6(418593012) - A.C. Iodine	14-Mar-17	Iodine-131	-4.74E-06	3.98E-06	9.25E-06	7.00E-05	4.13E-06	pCi/L	U
API-6(419040012) - A.C. Iodine	21-Mar-17	Iodine-131	-8.34E-07	6.26E-06	2.00E-05	7.00E-05	6.27E-06	pCi/L	U
API-6(419454012) - A.C. Iodine	28-Mar-17	Iodine-131	1.07E-05	6.62E-06	2.70E-05	7.00E-05	7.07E-06	pCi/L	U
API-6(419858012) - A.C. Iodine	4-Apr-17	Iodine-131	3.11E-06	3.11E-06	1.45E-05	7.00E-05	3.19E-06	pCi/L	U
API-6(420455012) - A.C. Iodine	11-Apr-17	Iodine-131	5.98E-06	3.63E-06	1.47E-05	7.00E-05	3.89E-06	pCi/L	U
API-6(421024012) - A.C. Iodine	18-Apr-17	Iodine-131	-7.61E-06	1.19E-05	3.67E-05	7.00E-05	1.20E-05	pCi/L	U
API-6(421505012) - A.C. Iodine	25-Apr-17	Iodine-131	-4.86E-06	3.87E-06	8.84E-06	7.00E-05	4.03E-06	pCi/L	U
API-6(422177012) - A.C. Iodine	2-May-17	Iodine-131	5.59E-07	7.56E-06	2.41E-05	7.00E-05	7.56E-06	pCi/L	U
API-6(422744012) - A.C. Iodine	4-May-17	Iodine-131	-1.85E-05	1.11E-05	3.08E-05	7.00E-05	1.19E-05	pCi/L	U
API-6(423341012) - A.C. Iodine	16-May-17	Iodine-131	-3.43E-06	1.41E-05	2.76E-05	7.00E-05	1.42E-05	pCi/L	U
API-6(423912012) - A.C. Iodine	23-May-17	Iodine-131	7.21E-06	5.48E-06	2.22E-05	7.00E-05	5.73E-06	pCi/L	U
API-6(424308012) - A.C. Iodine	30-May-17	Iodine-131	-9.00E-06	6.98E-06	1.77E-05	7.00E-05	7.29E-06	pCi/L	U
API-6(424711012) - A.C. Iodine	5-Jun-17	Iodine-131	3.37E-06	9.27E-06	3.24E-05	7.00E-05	9.30E-06	pCi/L	U
API-6(425398012) - A.C. Iodine	13-Jun-17	Iodine-131	7.87E-06	4.76E-06	2.04E-05	7.00E-05	5.09E-06	pCi/L	U
API-6(425913012) - A.C. Iodine	20-Jun-17	Iodine-131	1.01E-05	6.23E-06	1.01E-05	7.00E-05	6.25E-06	pCi/L	UI
API-6(426684012) - A.C. Iodine	27-Jun-17	Iodine-131	1.31E-05	6.68E-06	2.88E-05	7.00E-05	7.34E-06	pCi/L	U
API-6(427151012) - A.C. Iodine	3-Jul-17	Iodine-131	-2.63E-06	2.98E-06	9.11E-06	7.00E-05	3.04E-06	pCi/L	U
API-6(427621012) - A.C. Iodine	11-Jul-17	Iodine-131	3.09E-06	2.64E-06	9.61E-06	7.00E-05	2.74E-06	pCi/L	U
API-6(428221012) - A.C. Iodine	18-Jul-17	Iodine-131	4.86E-06	7.12E-06	2.58E-05	7.00E-05	7.20E-06	pCi/L	U
API-6(428869012) - A.C. Iodine	25-Jul-17	Iodine-131	-1.10E-06	6.30E-06	2.05E-05	7.00E-05	6.31E-06	pCi/L	U
API-6(429483012) - A.C. Iodine	1-Aug-17	Iodine-131	1.92E-06	4.96E-06	1.68E-05	7.00E-05	4.98E-06	pCi/L	U
API-6(430147012) - A.C. Iodine	8-Aug-17	Iodine-131	2.79E-06	3.41E-06	1.52E-05	7.00E-05	3.47E-06	pCi/L	U
API-6(430764012) - A.C. Iodine	15-Aug-17	Iodine-131	-3.45E-06	4.74E-06	1.28E-05	7.00E-05	4.81E-06	pCi/L	U
API-6(431253012) - A.C. Iodine	22-Aug-17	Iodine-131	1.01E-05	6.29E-06	2.55E-05	7.00E-05	6.71E-06	pCi/L	U
API-6(431755012) - A.C. Iodine	29-Aug-17	Iodine-131	-7.66E-06	5.16E-06	1.26E-05	7.00E-05	5.46E-06	pCi/L	U
API-6(432204012) - A.C. Iodine	5-Sep-17	Iodine-131	-6.68E-07	5.40E-06	1.78E-05	7.00E-05	5.40E-06	pCi/L	U
API-6(432595012) - A.C. Iodine	12-Sep-17	Iodine-131	-9.84E-06	4.72E-06	8.19E-06	7.00E-05	5.24E-06	pCi/L	U
API-6(433187012) - A.C. Iodine	19-Sep-17	Iodine-131	-6.19E-06	2.88E-06	6.16E-06	7.00E-05	3.22E-06	pCi/L	U
API-6(433669012) - A.C. Iodine	26-Sep-17	Iodine-131	-2.81E-06	5.24E-06	1.56E-05	7.00E-05	5.28E-06	pCi/L	U
API-6(434161012) - A.C. Iodine	3-Oct-17	Iodine-131	2.53E-06	4.98E-06	1.83E-05	7.00E-05	5.01E-06	pCi/L	U
API-6(434801012) - A.C. Iodine	10-Oct-17	Iodine-131	-1.03E-06	4.82E-06	1.56E-05	7.00E-05	4.83E-06	pCi/L	U
API-6(435378012) - A.C. Iodine	17-Oct-17	Iodine-131	-4.80E-06	3.80E-06	1.16E-05	7.00E-05	3.96E-06	pCi/L	U

API-6(436154012) - A.C. Iodine	24-Oct-17	Iodine-131	7.30E-07	7.01E-06	2.36E-05	7.00E-05	7.02E-06	pCi/L	U
API-6(436871012) - A.C. Iodine	31-Oct-17	Iodine-131	-2.35E-06	4.30E-06	1.19E-05	7.00E-05	4.34E-06	pCi/L	U
API-6(437291012) - A.C. Iodine	7-Nov-17	Iodine-131	6.33E-06	6.04E-06	2.19E-05	7.00E-05	6.22E-06	pCi/L	U
API-6(437887012) - A.C. Iodine	14-Nov-17	Iodine-131	3.62E-06	5.07E-06	1.90E-05	7.00E-05	5.14E-06	pCi/L	U
API-6(438506012) - A.C. Iodine	21-Nov-17	Iodine-131	3.66E-07	6.88E-06	2.28E-05	7.00E-05	6.88E-06	pCi/L	U
API-6(438787012) - A.C. Iodine	28-Nov-17	Iodine-131	-1.36E-05	4.62E-06	5.64E-06	7.00E-05	5.60E-06	pCi/L	U
API-6(439178012) - A.C. Iodine	4-Dec-17	Iodine-131	5.34E-06	7.62E-06	2.83E-05	7.00E-05	7.72E-06	pCi/L	U
API-6(439975012) - A.C. Iodine	12-Dec-17	Iodine-131	3.95E-06	2.78E-06	1.03E-05	7.00E-05	2.93E-06	pCi/L	U
API-6(440418012) - A.C. Iodine	19-Dec-17	Iodine-131	1.89E-07	3.68E-06	1.27E-05	7.00E-05	3.68E-06	pCi/L	U
API-6(440779012) - A.C. Iodine	27-Dec-17	Iodine-131	-6.55E-07	4.62E-06	1.56E-05	7.00E-05	4.63E-06	pCi/L	U

API-6

A.P. Gross Beta

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-6(413597006) - A.P. Gross Beta	3-Jan-17	BETA	4.64E-05	2.96E-06	2.53E-06	1.00E-05	3.00E-06	pCi/L	
API-6(414095006) - A.P. Gross Beta	10-Jan-17	BETA	4.69E-05	2.96E-06	2.45E-06	1.00E-05	3.00E-06	pCi/L	
API-6(414524006) - A.P. Gross Beta	17-Jan-17	BETA	3.17E-05	2.49E-06	2.49E-06	1.00E-05	2.51E-06	pCi/L	
API-6(414983006) - A.P. Gross Beta	24-Jan-17	BETA	2.61E-05	2.28E-06	2.47E-06	1.00E-05	2.29E-06	pCi/L	
API-6(415482006) - A.P. Gross Beta	31-Jan-17	BETA	3.11E-05	2.45E-06	2.44E-06	1.00E-05	2.47E-06	pCi/L	
API-6(415920006) - A.P. Gross Beta	7-Feb-17	BETA	3.55E-05	2.61E-06	2.40E-06	1.00E-05	2.64E-06	pCi/L	
API-6(416626006) - A.P. Gross Beta	13-Feb-17	BETA	3.33E-05	2.78E-06	3.05E-06	1.00E-05	2.80E-06	pCi/L	
API-6(417081006) - A.P. Gross Beta	21-Feb-17	BETA	3.09E-05	2.28E-06	2.12E-06	1.00E-05	2.30E-06	pCi/L	
API-6(417566006) - A.P. Gross Beta	28-Feb-17	BETA	2.65E-05	2.28E-06	2.31E-06	1.00E-05	2.29E-06	pCi/L	
API-6(418028006) - A.P. Gross Beta	7-Mar-17	BETA	2.57E-05	2.24E-06	2.30E-06	1.00E-05	2.26E-06	pCi/L	
API-6(418593006) - A.P. Gross Beta	14-Mar-17	BETA	3.13E-05	2.48E-06	2.55E-06	1.00E-05	2.50E-06	pCi/L	
API-6(419040006) - A.P. Gross Beta	21-Mar-17	BETA	2.83E-05	2.37E-06	2.61E-06	1.00E-05	2.38E-06	pCi/L	
API-6(419454006) - A.P. Gross Beta	28-Mar-17	BETA	2.93E-05	2.38E-06	2.35E-06	1.00E-05	2.40E-06	pCi/L	
API-6(419858006) - A.P. Gross Beta	4-Apr-17	BETA	2.11E-05	2.06E-06	2.37E-06	1.00E-05	2.07E-06	pCi/L	
API-6(420455006) - A.P. Gross Beta	11-Apr-17	BETA	2.34E-05	2.19E-06	2.52E-06	1.00E-05	2.20E-06	pCi/L	
API-6(421024006) - A.P. Gross Beta	18-Apr-17	BETA	2.32E-05	2.15E-06	2.45E-06	1.00E-05	2.16E-06	pCi/L	
API-6(421505006) - A.P. Gross Beta	25-Apr-17	BETA	2.32E-05	2.17E-06	2.58E-06	1.00E-05	2.18E-06	pCi/L	
API-6(422177006) - A.P. Gross Beta	2-May-17	BETA	1.94E-05	1.99E-06	2.40E-06	1.00E-05	2.00E-06	pCi/L	
API-6(422744006) - A.P. Gross Beta	4-May-17	BETA	4.05E-05	5.41E-06	7.87E-06	1.00E-05	5.42E-06	pCi/L	
API-6(423341006) - A.P. Gross Beta	16-May-17	BETA	1.42E-05	1.75E-06	2.45E-06	1.00E-05	1.76E-06	pCi/L	
API-6(423912006) - A.P. Gross Beta	23-May-17	BETA	1.89E-05	1.98E-06	2.52E-06	1.00E-05	1.99E-06	pCi/L	
API-6(424308006) - A.P. Gross Beta	30-May-17	BETA	1.75E-05	1.90E-06	2.35E-06	1.00E-05	1.91E-06	pCi/L	
API-6(424711006) - A.P. Gross Beta	5-Jun-17	BETA	1.61E-05	2.03E-06	2.93E-06	1.00E-05	2.04E-06	pCi/L	
API-6(425398006) - A.P. Gross Beta	13-Jun-17	BETA	2.53E-05	2.08E-06	2.12E-06	1.00E-05	2.09E-06	pCi/L	
API-6(425913006) - A.P. Gross Beta	20-Jun-17	BETA	3.01E-05	2.43E-06	2.50E-06	1.00E-05	2.45E-06	pCi/L	
API-6(426684006) - A.P. Gross Beta	27-Jun-17	BETA	2.32E-05	2.16E-06	2.52E-06	1.00E-05	2.18E-06	pCi/L	
API-6(427151006) - A.P. Gross Beta	3-Jul-17	BETA	2.63E-05	2.47E-06	2.73E-06	1.00E-05	2.48E-06	pCi/L	
API-6(427621006) - A.P. Gross Beta	11-Jul-17	BETA	1.89E-05	1.82E-06	2.05E-06	1.00E-05	1.83E-06	pCi/L	
API-6(428221006) - A.P. Gross Beta	18-Jul-17	BETA	2.50E-05	2.22E-06	2.46E-06	1.00E-05	2.24E-06	pCi/L	
API-6(428869006) - A.P. Gross Beta	25-Jul-17	BETA	2.42E-05	2.20E-06	2.40E-06	1.00E-05	2.21E-06	pCi/L	
API-6(429483006) - A.P. Gross Beta	1-Aug-17	BETA	2.12E-05	2.06E-06	2.34E-06	1.00E-05	2.07E-06	pCi/L	

API-6(430147006) - A.P. Gross Beta	8-Aug-17	BETA	2.50E-05	2.23E-06	2.41E-06	1.00E-05	2.24E-06	pCi/L	
API-6(430764006) - A.P. Gross Beta	15-Aug-17	BETA	2.94E-05	2.40E-06	2.50E-06	1.00E-05	2.42E-06	pCi/L	
API-6(431253006) - A.P. Gross Beta	22-Aug-17	BETA	2.88E-05	2.36E-06	2.36E-06	1.00E-05	2.38E-06	pCi/L	
API-6(431755006) - A.P. Gross Beta	29-Aug-17	BETA	2.28E-05	2.13E-06	2.38E-06	1.00E-05	2.14E-06	pCi/L	
API-6(432204006) - A.P. Gross Beta	5-Sep-17	BETA	2.79E-05	2.33E-06	2.37E-06	1.00E-05	2.35E-06	pCi/L	
API-6(432595006) - A.P. Gross Beta	12-Sep-17	BETA	1.14E-05	1.58E-06	2.28E-06	1.00E-05	1.58E-06	pCi/L	
API-6(433187006) - A.P. Gross Beta	19-Sep-17	BETA	2.51E-05	2.22E-06	2.38E-06	1.00E-05	2.24E-06	pCi/L	
API-6(433669006) - A.P. Gross Beta	26-Sep-17	BETA	4.29E-05	2.86E-06	2.53E-06	1.00E-05	2.89E-06	pCi/L	
API-6(434161006) - A.P. Gross Beta	3-Oct-17	BETA	2.86E-05	2.37E-06	2.46E-06	1.00E-05	2.39E-06	pCi/L	
API-6(434801006) - A.P. Gross Beta	10-Oct-17	BETA	3.25E-05	2.53E-06	2.62E-06	1.00E-05	2.55E-06	pCi/L	
API-6(435378006) - A.P. Gross Beta	17-Oct-17	BETA	2.30E-05	2.17E-06	2.62E-06	1.00E-05	2.18E-06	pCi/L	
API-6(436154006) - A.P. Gross Beta	24-Oct-17	BETA	3.40E-05	2.58E-06	2.61E-06	1.00E-05	2.61E-06	pCi/L	
API-6(436871006) - A.P. Gross Beta	31-Oct-17	BETA	1.84E-05	1.96E-06	2.52E-06	1.00E-05	1.97E-06	pCi/L	
API-6(437291006) - A.P. Gross Beta	7-Nov-17	BETA	2.47E-05	2.22E-06	2.43E-06	1.00E-05	2.24E-06	pCi/L	
API-6(437887006) - A.P. Gross Beta	14-Nov-17	BETA	3.12E-05	2.47E-06	2.43E-06	1.00E-05	2.49E-06	pCi/L	
API-6(438506006) - A.P. Gross Beta	21-Nov-17	BETA	2.91E-05	2.41E-06	2.62E-06	1.00E-05	2.43E-06	pCi/L	
API-6(438787006) - A.P. Gross Beta	28-Nov-17	BETA	3.79E-05	2.69E-06	2.50E-06	1.00E-05	2.72E-06	pCi/L	
API-6(439178006) - A.P. Gross Beta	4-Dec-17	BETA	2.52E-05	2.48E-06	3.07E-06	1.00E-05	2.49E-06	pCi/L	
API-6(439975006) - A.P. Gross Beta	12-Dec-17	BETA	3.77E-05	2.22E-06	2.29E-06	1.00E-05	2.22E-06	pCi/L	
API-6(440418006) - A.P. Gross Beta	19-Dec-17	BETA	3.28E-05	2.33E-06	2.84E-06	1.00E-05	2.33E-06	pCi/L	
API-6(440779006) - A.P. Gross Beta	27-Dec-17	BETA	4.12E-05	2.31E-06	2.29E-06	1.00E-05	2.31E-06	pCi/L	

API-6

A.P. Gross Beta Comp

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Actinium-228	6.40E-07	8.80E-07	3.31E-06		8.93E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Actinium-228	-6.70E-07	7.24E-07	2.38E-06		7.41E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Actinium-228	-1.42E-06	9.28E-07	2.43E-06		9.88E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Actinium-228	-2.73E-08	7.78E-07	2.53E-06		7.78E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Antimony-124	-1.36E-06	8.48E-07	2.08E-06		9.06E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Antimony-124	1.68E-06	8.61E-07	4.01E-06		9.46E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Antimony-124	1.14E-07	1.19E-06	4.05E-06		1.19E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Antimony-124	8.36E-07	5.17E-07	2.41E-06		5.53E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Antimony-125	1.07E-07	4.15E-07	1.42E-06		4.16E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Antimony-125	2.26E-07	4.16E-07	1.37E-06		4.20E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Antimony-125	4.69E-07	5.14E-07	1.75E-06		5.26E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Antimony-125	2.38E-07	4.78E-07	1.68E-06		4.81E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Barium-140	1.62E-06	3.34E-06	1.15E-05		3.36E-06	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Barium-140	-7.83E-06	8.04E-06	2.25E-05		8.25E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Barium-140	2.10E-07	7.07E-06	2.39E-05		7.07E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Barium-140	-1.72E-06	2.26E-06	5.72E-06		2.30E-06	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Beryllium-7	7.63E-05	7.11E-06	5.11E-06		7.90E-06	pCi/L	
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Beryllium-7	8.31E-05	9.52E-06	9.67E-06		1.02E-05	pCi/L	
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Beryllium-7	6.88E-05	7.48E-06	7.39E-06		8.11E-06	pCi/L	
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Beryllium-7	5.97E-05	5.10E-06	4.90E-06		5.79E-06	pCi/L	

API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Cerium-141	-4.75E-07	4.45E-07	1.28E-06		4.58E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Cerium-141	-4.96E-07	6.38E-07	1.88E-06		6.48E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Cerium-141	3.56E-08	4.10E-07	1.29E-06		4.11E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Cerium-141	-7.51E-07	3.23E-07	8.65E-07		3.67E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Cerium-144	-4.17E-09	9.22E-07	2.90E-06		9.22E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Cerium-144	1.49E-06	1.04E-06	3.47E-06		1.10E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Cerium-144	-8.02E-07	7.65E-07	2.12E-06		7.88E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Cerium-144	-4.70E-07	9.36E-07	2.92E-06		9.43E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Cesium-134	3.18E-07	2.38E-07	9.15E-07	5.00E-05	2.50E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Cesium-134	3.08E-07	2.99E-07	1.09E-06	5.00E-05	3.08E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Cesium-134	1.02E-07	1.95E-07	6.93E-07	5.00E-05	1.96E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Cesium-134	-1.94E-07	2.06E-07	5.28E-07	5.00E-05	2.11E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Cesium-137	-3.02E-08	1.84E-07	5.78E-07	6.00E-05	1.84E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Cesium-137	-3.79E-07	2.08E-07	3.95E-07	6.00E-05	2.26E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Cesium-137	-2.68E-07	1.80E-07	4.43E-07	6.00E-05	1.91E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Cesium-137	1.58E-07	2.06E-07	7.36E-07	6.00E-05	2.09E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Chromium-51	-1.85E-07	3.43E-06	1.11E-05		3.43E-06	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Chromium-51	-4.40E-06	3.58E-06	1.05E-05		3.73E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Chromium-51	1.94E-06	4.51E-06	1.39E-05		4.53E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Chromium-51	-1.87E-06	2.23E-06	7.06E-06		2.27E-06	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-57	4.59E-08	1.29E-07	4.18E-07		1.29E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-57	2.45E-07	1.26E-07	4.63E-07		1.38E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-57	3.25E-07	1.11E-07	4.38E-07		1.35E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-57	5.06E-08	1.25E-07	4.18E-07		1.25E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Cobalt-58	-3.42E-07	2.78E-07	6.93E-07		2.90E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Cobalt-58	-1.29E-07	3.47E-07	1.04E-06		3.49E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Cobalt-58	3.85E-07	3.58E-07	1.32E-06		3.69E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Cobalt-58	1.67E-07	1.57E-07	6.25E-07		1.62E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Iodine-131	2.35E-06	2.31E-06	8.35E-06		2.37E-06	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Iodine-131	-1.42E-06	6.92E-06	2.27E-05		6.93E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Iodine-131	2.25E-06	9.16E-06	3.05E-05		9.18E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Iodine-131	6.31E-07	8.90E-07	3.23E-06		9.02E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Iron-59	-1.22E-06	5.18E-07	4.11E-07		5.92E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Iron-59	6.31E-07	5.92E-07	2.44E-06		6.10E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Iron-59	-2.37E-07	7.65E-07	2.40E-06		7.67E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Iron-59	-1.56E-07	5.15E-07	1.62E-06		5.16E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Lanthanum-140	-2.38E-06	1.45E-06	2.73E-06		1.55E-06	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Lanthanum-140	2.68E-06	3.33E-06	1.26E-05		3.39E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Lanthanum-140	-7.18E-06	4.76E-06	1.03E-05		5.05E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Lanthanum-140	7.86E-07	5.56E-07	2.59E-06		5.86E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Manganese-54	-1.21E-07	1.91E-07	5.26E-07		1.93E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Manganese-54	-2.86E-08	1.87E-07	5.75E-07		1.87E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Manganese-54	-2.57E-07	2.83E-07	8.06E-07		2.90E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Manganese-54	-1.24E-07	1.77E-07	4.74E-07		1.79E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Niobium-95	1.29E-07	2.48E-07	7.97E-07		2.50E-07	pCi/L	U

API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Niobium-95	5.45E-07	3.68E-07	1.41E-06		3.89E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Niobium-95	9.92E-08	3.09E-07	1.06E-06		3.10E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Niobium-95	-2.87E-07	2.44E-07	6.19E-07		2.53E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Potassium-40	5.96E-06	4.13E-06	5.96E-06		4.16E-06	pCi/L	UI
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Potassium-40	3.68E-06	3.99E-06	1.59E-05		4.08E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Potassium-40	1.29E-05	4.32E-06	1.95E-05		5.27E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Potassium-40	4.76E-06	5.30E-06	4.76E-06		5.31E-06	pCi/L	UI
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-103	-1.55E-07	2.82E-07	8.66E-07		2.84E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-103	9.52E-07	4.71E-07	9.52E-07		4.76E-07	pCi/L	UI
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-103	-3.97E-07	3.12E-07	8.70E-07		3.25E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-103	-2.29E-07	1.78E-07	4.55E-07		1.86E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Ruthenium-106	1.18E-06	1.60E-06	5.78E-06		1.63E-06	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Ruthenium-106	-1.02E-06	1.98E-06	5.09E-06		2.00E-06	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Ruthenium-106	-8.20E-07	1.76E-06	5.48E-06		1.77E-06	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Ruthenium-106	1.38E-06	1.57E-06	5.76E-06		1.60E-06	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Selenium-75	-4.85E-07	2.61E-07	7.55E-07		2.84E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Selenium-75	4.02E-08	2.95E-07	1.01E-06		2.95E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Selenium-75	-2.76E-07	2.75E-07	8.38E-07		2.83E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Selenium-75	-6.13E-08	2.43E-07	7.37E-07		2.44E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Silver-108m	-8.19E-10	1.64E-07	5.45E-07		1.64E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Silver-108m	-2.45E-07	1.45E-07	3.63E-07		1.56E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Silver-108m	1.75E-07	1.61E-07	5.76E-07		1.66E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Silver-108m	2.77E-08	1.37E-07	4.67E-07		1.37E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Silver-110m	-2.23E-07	3.07E-07	8.39E-07		3.12E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Silver-110m	7.37E-07	2.81E-07	1.31E-06		3.31E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Silver-110m	1.17E-07	3.20E-07	1.09E-06		3.21E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Silver-110m	-8.96E-07	3.82E-07	9.14E-07		4.37E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Zinc-65	7.30E-08	5.43E-07	1.86E-06		5.43E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Zinc-65	-3.62E-07	2.56E-07	0.00E+00		2.70E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Zinc-65	-3.28E-07	5.09E-07	1.50E-06		5.15E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Zinc-65	3.71E-07	4.79E-07	1.80E-06		4.87E-07	pCi/L	U
API-6(420838006) - A.P. Gross Beta Comp	28-Mar-17	Zirconium-95	-6.67E-08	4.63E-07	1.45E-06		4.63E-07	pCi/L	U
API-6(429360006) - A.P. Gross Beta Comp	27-Jun-17	Zirconium-95	-3.21E-07	6.51E-07	1.93E-06		6.55E-07	pCi/L	U
API-6(436535006) - A.P. Gross Beta Comp	26-Sep-17	Zirconium-95	-2.41E-07	5.48E-07	1.66E-06		5.51E-07	pCi/L	U
API-6(441660006) - A.P. Gross Beta Comp	27-Dec-17	Zirconium-95	-5.64E-07	4.59E-07	8.65E-07		4.78E-07	pCi/L	U

DW-1

Drinking Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
DW-1(415431001) - Drinking Water	31-Jan-17	Actinium-228	2.36E+00	5.57E+00	8.75E+00		5.60E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Actinium-228	-7.71E+00	2.57E+00	5.50E+00		3.14E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Actinium-228	-4.77E+00	3.36E+00	7.45E+00		3.54E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Actinium-228	-5.54E+00	3.43E+00	7.86E+00		3.66E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Actinium-228	2.32E+00	3.93E+00	6.19E+00		3.97E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Actinium-228	2.10E+00	4.42E+00	7.59E+00		4.45E+00	pCi/L	U

DW-1(428888001) - Drinking Water	25-Jul-17	Actinium-228	-4.72E+00	2.98E+00	6.43E+00		3.17E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Actinium-228	3.09E+00	3.95E+00	7.88E+00		4.02E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Actinium-228	-1.50E+00	3.26E+00	8.07E+00		3.27E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Actinium-228	2.43E+00	4.64E+00	8.22E+00		4.67E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Actinium-228	5.42E+00	4.99E+00	8.70E+00		5.15E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Actinium-228	-2.81E+00	2.72E+00	6.08E+00		2.80E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Antimony-124	-2.06E+00	1.54E+00	3.78E+00		1.61E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Antimony-124	7.01E-01	8.68E-01	3.03E+00		8.83E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Antimony-124	2.10E-01	1.19E+00	4.04E+00		1.19E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Antimony-124	-6.74E-01	1.38E+00	4.48E+00		1.39E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Antimony-124	-1.77E+00	9.97E-01	2.85E+00		1.08E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Antimony-124	-1.29E+00	9.90E-01	2.95E+00		1.04E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Antimony-124	2.16E-01	1.27E+00	3.60E+00		1.27E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Antimony-124	1.43E+00	1.22E+00	4.34E+00		1.27E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Antimony-124	-1.93E+00	1.24E+00	3.72E+00		1.32E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Antimony-124	9.50E-01	1.36E+00	4.18E+00		1.38E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Antimony-124	8.85E-02	1.13E+00	3.67E+00		1.13E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Antimony-124	1.97E-01	1.02E+00	2.95E+00		1.02E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Antimony-125	2.27E-01	1.53E+00	5.00E+00		1.53E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Antimony-125	3.64E-01	9.62E-01	3.30E+00		9.65E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Antimony-125	1.30E+00	1.28E+00	4.33E+00		1.32E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Antimony-125	1.48E-01	1.34E+00	4.45E+00		1.34E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Antimony-125	-5.03E-01	1.06E+00	3.51E+00		1.07E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Antimony-125	1.41E+00	1.18E+00	4.09E+00		1.23E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Antimony-125	-2.24E+00	1.19E+00	3.71E+00		1.29E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Antimony-125	8.32E-01	1.32E+00	4.39E+00		1.33E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Antimony-125	-1.41E+00	1.37E+00	4.32E+00		1.41E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Antimony-125	-4.48E+00	1.71E+00	3.96E+00		2.00E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Antimony-125	2.22E+00	1.41E+00	4.89E+00		1.50E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Antimony-125	-1.33E+00	1.03E+00	3.30E+00		1.08E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	BETA	-6.11E-01	6.73E-01	2.39E+00	4.00E+00	6.73E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	BETA	4.08E-01	8.99E-01	2.78E+00	4.00E+00	9.01E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	BETA	2.21E+00	1.08E+00	3.24E+00	4.00E+00	1.09E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	BETA	2.70E+00	1.16E+00	3.32E+00	4.00E+00	1.18E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	BETA	3.03E+00	1.13E+00	3.15E+00	4.00E+00	1.16E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	BETA	2.88E+00	1.19E+00	3.36E+00	4.00E+00	1.21E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	BETA	1.57E+00	1.14E+00	3.54E+00	4.00E+00	1.15E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	BETA	1.65E+00	1.09E+00	3.25E+00	4.00E+00	1.10E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	BETA	1.69E+00	7.93E-01	2.14E+00	4.00E+00	8.05E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	BETA	2.93E+00	1.17E+00	3.23E+00	4.00E+00	1.20E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	BETA	2.38E+00	1.04E+00	3.10E+00	4.00E+00	1.06E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	BETA	8.88E-01	9.99E-01	3.05E+00	4.00E+00	1.00E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Barium-140	-2.22E+00	3.17E+00	9.94E+00	1.50E+01	3.21E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Barium-140	-1.40E+00	2.27E+00	6.62E+00	1.50E+01	2.29E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Barium-140	2.83E+00	2.35E+00	7.92E+00	1.50E+01	2.44E+00	pCi/L	U

DW-1(421490001) - Drinking Water	25-Apr-17	Barium-140	-1.48E-01	2.55E+00	8.37E+00	1.50E+01	2.55E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Barium-140	-3.72E+00	2.35E+00	7.32E+00	1.50E+01	2.50E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Barium-140	-3.19E+00	3.85E+00	8.42E+00	1.50E+01	3.92E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Barium-140	-6.45E-01	2.36E+00	7.63E+00	1.50E+01	2.36E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Barium-140	7.84E-01	2.77E+00	6.51E+00	1.50E+01	2.78E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Barium-140	2.79E+00	2.75E+00	9.15E+00	1.50E+01	2.82E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Barium-140	2.43E+00	2.48E+00	8.26E+00	1.50E+01	2.55E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Barium-140	-2.50E+00	2.08E+00	6.54E+00	1.50E+01	2.16E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Barium-140	-1.40E+00	2.92E+00	9.44E+00	1.50E+01	2.94E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Beryllium-7	5.37E+00	5.11E+00	1.70E+01		5.26E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Beryllium-7	4.34E+00	3.19E+00	1.12E+01		3.34E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Beryllium-7	1.62E+00	4.10E+00	1.35E+01		4.12E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Beryllium-7	-5.42E+00	4.76E+00	1.52E+01		4.92E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Beryllium-7	-3.78E+00	3.36E+00	1.08E+01		3.47E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Beryllium-7	1.58E-01	3.87E+00	1.29E+01		3.87E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Beryllium-7	4.81E-01	4.00E+00	1.32E+01		4.00E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Beryllium-7	1.93E+00	4.27E+00	1.40E+01		4.29E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Beryllium-7	7.98E-01	4.15E+00	1.35E+01		4.15E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Beryllium-7	-2.98E+00	5.56E+00	1.41E+01		5.60E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Beryllium-7	-7.66E+00	4.10E+00	1.27E+01		4.48E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Beryllium-7	-4.10E+00	3.94E+00	1.27E+01		4.06E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Cerium-141	8.57E-01	2.33E+00	3.23E+00		2.33E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cerium-141	-1.42E+00	7.03E-01	2.18E+00		7.76E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cerium-141	-1.08E+00	9.59E-01	2.93E+00		9.92E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cerium-141	-4.88E+00	1.55E+00	3.19E+00		1.92E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cerium-141	-4.87E-01	7.50E-01	2.38E+00		7.58E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cerium-141	-3.21E+00	9.67E-01	2.86E+00		1.22E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cerium-141	-4.89E+00	1.37E+00	2.75E+00		1.77E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cerium-141	-1.73E+00	1.10E+00	2.71E+00		1.17E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cerium-141	-1.34E+00	1.62E+00	3.00E+00		1.64E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Cerium-141	1.34E+00	1.29E+00	2.87E+00		1.29E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cerium-141	-2.25E-02	9.84E-01	3.04E+00		9.84E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cerium-141	2.49E+00	1.85E+00	2.49E+00		1.86E+00	pCi/L	UI
DW-1(415431001) - Drinking Water	31-Jan-17	Cerium-144	7.34E+00	3.92E+00	1.27E+01		4.27E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cerium-144	1.41E+00	2.59E+00	8.50E+00		2.61E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cerium-144	-2.13E+00	3.53E+00	1.09E+01		3.56E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cerium-144	1.54E+00	3.54E+00	1.22E+01		3.56E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cerium-144	3.19E+00	2.70E+00	8.90E+00		2.80E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cerium-144	-1.99E+00	3.34E+00	1.05E+01		3.37E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cerium-144	-1.26E+00	3.09E+00	9.85E+00		3.10E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cerium-144	2.53E+00	3.50E+00	1.12E+01		3.55E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cerium-144	-1.66E+00	3.62E+00	1.13E+01		3.64E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Cerium-144	-8.28E+00	5.35E+00	1.13E+01		5.69E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cerium-144	2.89E-01	3.66E+00	1.26E+01		3.66E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cerium-144	-1.10E+00	2.91E+00	9.17E+00		2.92E+00	pCi/L	U

DW-1(415431001) - Drinking Water	31-Jan-17	Cesium-134	2.13E-01	5.95E-01	2.02E+00	1.50E+01	5.97E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cesium-134	5.46E-01	4.03E-01	1.39E+00	1.50E+01	4.23E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cesium-134	6.03E-01	5.11E-01	1.80E+00	1.50E+01	5.30E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cesium-134	2.55E-01	5.64E-01	1.86E+00	1.50E+01	5.67E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cesium-134	-1.53E-01	4.41E-01	1.40E+00	1.50E+01	4.43E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cesium-134	-7.93E-02	4.70E-01	1.51E+00	1.50E+01	4.70E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cesium-134	5.57E-02	4.83E-01	1.54E+00	1.50E+01	4.83E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cesium-134	1.29E-01	5.55E-01	1.88E+00	1.50E+01	5.56E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cesium-134	-6.43E-02	5.63E-01	1.88E+00	1.50E+01	5.64E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Cesium-134	1.01E+00	4.89E-01	1.78E+00	1.50E+01	5.43E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cesium-134	-4.41E-01	8.77E-01	1.94E+00	1.50E+01	8.83E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cesium-134	5.32E-01	4.12E-01	1.39E+00	1.50E+01	4.31E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Cesium-137	1.54E+00	6.02E-01	2.18E+00	1.80E+01	6.98E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cesium-137	6.52E-01	1.38E+00	1.34E+00	1.80E+01	1.38E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cesium-137	6.58E-01	5.07E-01	1.70E+00	1.80E+01	5.30E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cesium-137	-5.87E-02	5.28E-01	1.71E+00	1.80E+01	5.28E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cesium-137	-7.81E-02	4.06E-01	1.31E+00	1.80E+01	4.06E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cesium-137	1.15E-01	4.59E-01	1.51E+00	1.80E+01	4.60E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cesium-137	2.62E-01	4.68E-01	1.54E+00	1.80E+01	4.72E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cesium-137	1.50E+00	8.08E-01	1.70E+00	1.80E+01	8.10E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cesium-137	-1.73E-01	5.19E-01	1.75E+00	1.80E+01	5.21E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Cesium-137	-2.27E-01	4.89E-01	1.64E+00	1.80E+01	4.92E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cesium-137	3.75E-02	5.48E-01	1.79E+00	1.80E+01	5.48E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cesium-137	9.49E-01	4.29E-01	1.50E+00	1.80E+01	4.83E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Chromium-51	-2.22E+00	5.32E+00	1.75E+01		5.35E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Chromium-51	4.47E+00	3.48E+00	1.23E+01		3.63E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Chromium-51	1.49E+00	4.58E+00	1.54E+01		4.59E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Chromium-51	2.23E+00	4.70E+00	1.59E+01		4.73E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Chromium-51	-3.70E+00	3.74E+00	1.25E+01		3.84E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Chromium-51	-3.07E+00	4.39E+00	1.46E+01		4.45E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Chromium-51	-2.08E+00	4.38E+00	1.46E+01		4.40E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Chromium-51	7.08E+00	4.24E+00	1.47E+01		4.55E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Chromium-51	2.53E+00	4.75E+00	1.60E+01		4.78E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Chromium-51	2.94E+00	4.69E+00	1.59E+01		4.74E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Chromium-51	4.27E+00	4.61E+00	1.58E+01		4.72E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Chromium-51	3.70E-01	4.40E+00	1.49E+01		4.40E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Cobalt-57	-8.59E-02	5.17E-01	1.62E+00		5.18E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cobalt-57	-1.19E-01	3.38E-01	1.10E+00		3.40E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cobalt-57	5.93E-01	5.36E-01	1.45E+00		5.37E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cobalt-57	4.31E-01	4.76E-01	1.66E+00		4.86E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cobalt-57	-2.29E-01	3.69E-01	1.09E+00		3.72E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cobalt-57	-3.36E-01	4.32E-01	1.36E+00		4.39E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cobalt-57	2.62E-01	4.36E-01	1.32E+00		4.41E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cobalt-57	9.28E-01	4.66E-01	1.54E+00		5.13E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cobalt-57	-9.48E-01	6.88E-01	1.49E+00		7.23E-01	pCi/L	U

DW-1(436755001) - Drinking Water	31-Oct-17	Cobalt-57	-6.55E-01	4.82E-01	1.48E+00		5.05E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cobalt-57	2.07E-01	4.60E-01	1.59E+00		4.63E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cobalt-57	5.11E-01	3.60E-01	1.18E+00		3.79E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Cobalt-58	3.79E-01	5.51E-01	1.89E+00	1.50E+01	5.57E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cobalt-58	-4.06E-01	3.62E-01	1.11E+00	1.50E+01	3.74E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cobalt-58	9.04E-01	4.42E-01	1.61E+00	1.50E+01	4.91E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cobalt-58	-3.01E-01	5.25E-01	1.65E+00	1.50E+01	5.29E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cobalt-58	-1.59E-01	4.13E-01	1.30E+00	1.50E+01	4.15E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cobalt-58	-8.05E-01	4.41E-01	1.30E+00	1.50E+01	4.80E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cobalt-58	-8.41E-01	7.62E-01	1.36E+00	1.50E+01	7.86E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cobalt-58	-2.65E-01	5.48E-01	1.57E+00	1.50E+01	5.52E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cobalt-58	5.77E-01	4.84E-01	1.70E+00	1.50E+01	5.02E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Cobalt-58	-5.50E-01	5.48E-01	1.52E+00	1.50E+01	5.63E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cobalt-58	3.06E-01	4.68E-01	1.56E+00	1.50E+01	4.73E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cobalt-58	4.90E-01	4.12E-01	1.38E+00	1.50E+01	4.28E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Cobalt-60	6.33E-01	5.81E-01	1.97E+00	1.50E+01	5.99E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Cobalt-60	-2.01E+00	7.71E-01	1.37E+00	1.50E+01	9.02E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Cobalt-60	-4.37E-02	4.92E-01	1.59E+00	1.50E+01	4.92E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Cobalt-60	1.15E+00	5.60E-01	2.07E+00	1.50E+01	6.19E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Cobalt-60	-1.58E-01	4.88E-01	1.39E+00	1.50E+01	4.89E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Cobalt-60	-3.40E-01	4.06E-01	1.30E+00	1.50E+01	4.14E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Cobalt-60	-2.11E-01	4.03E-01	1.28E+00	1.50E+01	4.06E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Cobalt-60	-6.99E-01	6.16E-01	1.86E+00	1.50E+01	6.37E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Cobalt-60	-1.41E-02	5.12E-01	1.64E+00	1.50E+01	5.12E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Cobalt-60	2.78E-01	5.35E-01	1.78E+00	1.50E+01	5.39E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Cobalt-60	-7.80E-02	6.21E-01	1.84E+00	1.50E+01	6.22E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Cobalt-60	5.69E-01	4.35E-01	1.53E+00	1.50E+01	4.55E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Iodine-131	1.09E+00	1.21E+00	4.07E+00		1.24E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Iodine-131	3.71E-01	7.04E-01	2.44E+00		7.09E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Iodine-131	7.04E-01	8.56E-01	2.90E+00		8.72E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Iodine-131	-1.51E+00	9.39E-01	3.00E+00		1.00E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Iodine-131	-1.46E+00	9.04E-01	2.93E+00		9.65E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Iodine-131	-3.62E-01	1.06E+00	3.54E+00		1.06E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Iodine-131	2.03E-01	9.18E-01	3.10E+00		9.19E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Iodine-131	6.89E-01	5.94E-01	2.02E+00		6.15E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Iodine-131	3.65E-01	1.03E+00	3.43E+00		1.03E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Iodine-131	-1.52E+00	8.49E-01	2.66E+00		9.21E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Iodine-131	8.38E-01	6.50E-01	2.24E+00		6.79E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Iodine-131	1.49E+00	1.22E+00	4.21E+00		1.27E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Iron-59	3.83E-01	1.28E+00	3.74E+00	3.00E+01	1.29E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Iron-59	9.36E-01	8.09E-01	2.73E+00	3.00E+01	8.39E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Iron-59	-3.00E-01	9.69E-01	3.15E+00	3.00E+01	9.71E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Iron-59	-1.19E+00	1.16E+00	3.47E+00	3.00E+01	1.19E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Iron-59	5.52E-01	8.78E-01	3.04E+00	3.00E+01	8.88E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Iron-59	-3.55E-01	8.73E-01	2.91E+00	3.00E+01	8.77E-01	pCi/L	U

DW-1(428888001) - Drinking Water	25-Jul-17	Iron-59	-1.51E-01	9.04E-01	2.98E+00	3.00E+01	9.05E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Iron-59	-8.54E-01	8.93E-01	2.77E+00	3.00E+01	9.16E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Iron-59	2.93E-02	1.07E+00	3.50E+00	3.00E+01	1.07E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Iron-59	-1.06E+00	1.08E+00	3.37E+00	3.00E+01	1.11E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Iron-59	-2.98E-01	9.93E-01	3.10E+00	3.00E+01	9.96E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Iron-59	-1.06E+00	9.25E-01	2.96E+00	3.00E+01	9.58E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Lanthanum-140	-1.10E+00	9.54E-01	3.01E+00	1.50E+01	9.87E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Lanthanum-140	3.48E-01	7.25E-01	2.48E+00	1.50E+01	7.30E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Lanthanum-140	3.66E-01	8.25E-01	2.72E+00	1.50E+01	8.30E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Lanthanum-140	1.34E+00	8.93E-01	3.23E+00	1.50E+01	9.45E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Lanthanum-140	1.03E+00	7.76E-01	2.73E+00	1.50E+01	8.11E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Lanthanum-140	-4.78E-01	8.23E-01	2.63E+00	1.50E+01	8.31E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Lanthanum-140	-5.88E-01	9.03E-01	2.79E+00	1.50E+01	9.13E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Lanthanum-140	-5.27E-01	6.91E-01	2.22E+00	1.50E+01	7.01E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Lanthanum-140	-6.59E-01	1.06E+00	3.43E+00	1.50E+01	1.07E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Lanthanum-140	-1.15E+00	8.60E-01	2.67E+00	1.50E+01	9.01E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Lanthanum-140	9.84E-01	9.50E-01	2.73E+00	1.50E+01	9.78E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Lanthanum-140	-1.20E+00	9.96E-01	3.03E+00	1.50E+01	1.04E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Manganese-54	1.55E-01	4.99E-01	1.69E+00	1.50E+01	5.01E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Manganese-54	-6.83E-01	3.64E-01	1.08E+00	1.50E+01	3.98E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Manganese-54	-5.52E-01	4.21E-01	1.34E+00	1.50E+01	4.41E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Manganese-54	5.03E-02	5.37E-01	1.74E+00	1.50E+01	5.37E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Manganese-54	2.40E-02	4.03E-01	1.29E+00	1.50E+01	4.03E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Manganese-54	-7.17E-02	4.41E-01	1.34E+00	1.50E+01	4.42E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Manganese-54	6.27E-01	4.74E-01	1.52E+00	1.50E+01	4.96E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Manganese-54	-1.61E-01	4.73E-01	1.56E+00	1.50E+01	4.75E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Manganese-54	1.10E-01	4.88E-01	1.64E+00	1.50E+01	4.88E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Manganese-54	-1.77E-01	4.92E-01	1.62E+00	1.50E+01	4.94E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Manganese-54	-8.11E-01	5.14E-01	1.53E+00	1.50E+01	5.48E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Manganese-54	-6.15E-01	4.05E-01	1.20E+00	1.50E+01	4.29E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Niobium-95	-1.51E+00	1.08E+00	2.07E+00	1.50E+01	1.13E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Niobium-95	-2.35E-01	3.93E-01	1.25E+00	1.50E+01	3.97E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Niobium-95	1.33E+00	4.89E-01	1.81E+00	1.50E+01	5.80E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Niobium-95	-1.70E-01	5.19E-01	1.65E+00	1.50E+01	5.20E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Niobium-95	9.07E-02	4.04E-01	1.32E+00	1.50E+01	4.05E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Niobium-95	6.68E-01	4.65E-01	1.59E+00	1.50E+01	4.90E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Niobium-95	2.16E-01	5.12E-01	1.66E+00	1.50E+01	5.15E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Niobium-95	3.26E-01	4.94E-01	1.70E+00	1.50E+01	4.99E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Niobium-95	9.40E-01	5.01E-01	1.80E+00	1.50E+01	5.47E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Niobium-95	-1.51E+00	8.86E-01	1.84E+00	1.50E+01	9.54E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Niobium-95	2.83E-01	4.83E-01	1.60E+00	1.50E+01	4.87E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Niobium-95	-2.37E-01	4.44E-01	1.39E+00	1.50E+01	4.47E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Potassium-40	1.61E+01	1.82E+01	1.61E+01		1.82E+01	pCi/L	UI
DW-1(417560001) - Drinking Water	28-Feb-17	Potassium-40	-2.13E+01	7.39E+00	1.87E+01		8.92E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Potassium-40	1.72E+01	1.13E+01	1.72E+01		1.13E+01	pCi/L	UI

DW-1(421490001) - Drinking Water	25-Apr-17	Potassium-40	-2.79E+01	1.16E+01	2.71E+01		1.33E+01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Potassium-40	-1.95E+01	9.07E+00	1.91E+01		1.01E+01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Potassium-40	1.61E+01	1.17E+01	1.61E+01		1.17E+01	pCi/L	UI
DW-1(428888001) - Drinking Water	25-Jul-17	Potassium-40	5.49E-01	1.18E+01	1.40E+01		1.18E+01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Potassium-40	-2.40E+01	1.17E+01	2.28E+01		1.30E+01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Potassium-40	2.47E+00	1.22E+01	1.81E+01		1.22E+01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Potassium-40	1.43E+01	1.67E+01	1.67E+01		1.67E+01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Potassium-40	2.26E+00	1.10E+01	2.61E+01		1.10E+01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Potassium-40	-1.30E+01	8.57E+00	2.28E+01		9.10E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Ruthenium-103	2.33E-01	6.72E-01	1.96E+00		6.75E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Ruthenium-103	-1.01E-01	4.03E-01	1.34E+00		4.04E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Ruthenium-103	-1.57E+00	5.13E-01	1.49E+00		6.32E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Ruthenium-103	-6.36E-01	5.53E-01	1.75E+00		5.72E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Ruthenium-103	-1.60E-01	4.70E-01	1.38E+00		4.72E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Ruthenium-103	2.30E-01	4.67E-01	1.57E+00		4.70E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Ruthenium-103	1.26E-01	5.68E-01	1.68E+00		5.69E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Ruthenium-103	3.29E-01	5.06E-01	1.67E+00		5.12E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Ruthenium-103	-4.03E-01	5.50E-01	1.73E+00		5.58E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Ruthenium-103	-7.66E-01	5.39E-01	1.66E+00		5.68E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Ruthenium-103	-1.10E+00	5.21E-01	1.60E+00		5.81E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Ruthenium-103	-1.29E+00	4.71E-01	1.42E+00		5.60E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Ruthenium-106	4.11E+00	5.05E+00	1.65E+01		5.14E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Ruthenium-106	-6.09E+00	3.32E+00	1.02E+01		3.61E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Ruthenium-106	5.75E+00	7.35E+00	1.48E+01		7.35E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Ruthenium-106	5.56E+00	4.69E+00	1.60E+01		4.87E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Ruthenium-106	-1.31E+00	3.71E+00	1.20E+01		3.72E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Ruthenium-106	-2.66E+00	3.86E+00	1.24E+01		3.91E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Ruthenium-106	-1.14E+00	6.10E+00	1.32E+01		6.11E+00	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Ruthenium-106	1.39E+01	7.59E+00	1.39E+01		7.63E+00	pCi/L	UI
DW-1(433670003) - Drinking Water	26-Sep-17	Ruthenium-106	-3.77E-01	4.59E+00	1.45E+01		4.59E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Ruthenium-106	-1.37E+00	4.95E+00	1.56E+01		4.96E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Ruthenium-106	-4.45E-01	4.75E+00	1.55E+01		4.75E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Ruthenium-106	5.29E+00	3.31E+00	1.14E+01		3.53E+00	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Selenium-75	2.57E-01	7.97E-01	2.42E+00		7.99E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Selenium-75	2.91E-01	5.22E-01	1.67E+00		5.27E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Selenium-75	-5.63E-01	6.16E-01	2.03E+00		6.31E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Selenium-75	-4.49E-02	6.75E-01	2.27E+00		6.75E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Selenium-75	1.29E-01	5.44E-01	1.70E+00		5.44E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Selenium-75	-2.44E-01	6.14E-01	2.09E+00		6.17E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Selenium-75	-3.72E-01	5.83E-01	1.97E+00		5.90E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Selenium-75	5.27E-02	7.25E-01	2.20E+00		7.26E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Selenium-75	3.91E-01	6.49E-01	2.22E+00		6.56E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Selenium-75	9.62E-01	6.53E-01	2.27E+00		6.91E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Selenium-75	9.60E-02	6.74E-01	2.28E+00		6.74E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Selenium-75	-3.69E-02	6.03E-01	1.85E+00		6.03E-01	pCi/L	U

DW-1(415431001) - Drinking Water	31-Jan-17	Silver-108m	1.98E-01	5.11E-01	1.68E+00		5.13E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Silver-108m	-3.78E-02	3.24E-01	1.09E+00		3.24E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Silver-108m	-5.89E-02	4.09E-01	1.33E+00		4.09E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Silver-108m	1.76E-01	4.40E-01	1.48E+00		4.42E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Silver-108m	8.48E-02	3.51E-01	1.18E+00		3.51E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Silver-108m	6.42E-02	3.79E-01	1.28E+00		3.80E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Silver-108m	1.01E-01	3.67E-01	1.23E+00		3.68E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Silver-108m	7.67E-01	4.30E-01	1.48E+00		4.66E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Silver-108m	1.68E-01	4.20E-01	1.39E+00		4.22E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Silver-108m	-9.42E-01	4.53E-01	1.38E+00		5.04E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Silver-108m	1.88E-01	4.39E-01	1.48E+00		4.41E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Silver-108m	-6.27E-02	3.51E-01	1.16E+00		3.51E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Silver-110m	-5.91E-01	7.17E-01	2.32E+00		7.30E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Silver-110m	7.62E-01	4.47E-01	1.57E+00		4.81E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Silver-110m	-5.16E-01	6.36E-01	2.06E+00		6.48E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Silver-110m	6.23E-01	7.31E-01	2.44E+00		7.45E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Silver-110m	-1.31E+00	5.62E-01	1.59E+00		6.38E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Silver-110m	-7.56E-02	5.69E-01	1.81E+00		5.69E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Silver-110m	8.35E-02	5.43E-01	1.85E+00		5.43E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Silver-110m	1.01E+00	5.94E-01	2.13E+00		6.40E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Silver-110m	-2.07E-01	6.61E-01	2.17E+00		6.63E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Silver-110m	4.03E-01	6.80E-01	2.32E+00		6.86E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Silver-110m	3.10E-01	6.80E-01	2.23E+00		6.83E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Silver-110m	2.01E-02	5.80E-01	1.84E+00		5.80E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Strontium-89	-3.19E-01	4.12E-01	1.45E+00	1.00E+01	5.87E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Strontium-89	-4.21E-01	3.18E-01	1.18E+00	1.00E+01	4.56E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Strontium-89	-9.23E-01	2.73E-01	1.22E+00	1.00E+01	4.28E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Strontium-89	-4.92E-01	6.71E-01	1.28E+00	1.00E+01	9.82E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Strontium-89	-2.01E+00	5.07E-01	2.18E+00	1.00E+01	6.27E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Strontium-89	-2.30E-01	4.52E-01	1.55E+00	1.00E+01	6.94E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Strontium-89	-1.41E-01	4.75E-01	1.60E+00	1.00E+01	6.14E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Strontium-89	-8.79E-01	3.35E-01	1.36E+00	1.00E+01	5.20E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Strontium-89	-3.47E+00	1.80E-01	1.72E+00	1.00E+01	3.00E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Strontium-89	-7.84E+00	7.93E-01	1.58E+00	1.00E+01	8.73E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Strontium-89	-1.39E+00	2.08E-01	1.22E+00	1.00E+01	5.21E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Strontium-89	-7.84E-01	2.15E-01	1.01E+00	1.00E+01	3.83E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Strontium-90	1.54E-01	3.25E-01	1.87E+00	2.00E+00	5.73E-01	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Strontium-90	2.39E-01	2.66E-01	1.60E+00	2.00E+00	5.04E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Strontium-90	-6.76E-01	2.81E-01	1.75E+00	2.00E+00	4.91E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Strontium-90	-6.44E-01	6.08E-01	1.72E+00	2.00E+00	9.15E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Strontium-90	1.68E+00	3.40E-01	1.73E+00	2.00E+00	6.48E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Strontium-90	4.01E-01	4.37E-01	1.33E+00	2.00E+00	4.39E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Strontium-90	-2.90E-03	2.93E-01	1.25E+00	2.00E+00	3.79E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Strontium-90	5.79E-01	3.90E-01	1.44E+00	2.00E+00	4.92E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Strontium-90	-3.00E+00	2.04E-01	1.78E+00	2.00E+00	3.26E-01	pCi/L	U

DW-1(436755001) - Drinking Water	31-Oct-17	Strontium-90	-2.80E+00	2.12E-01	1.55E+00	2.00E+00	2.86E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Strontium-90	-2.01E-01	3.22E-01	1.67E+00	2.00E+00	4.93E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Strontium-90	-7.62E-01	2.57E-01	1.62E+00	2.00E+00	4.27E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Thorium-228	3.05E+00	2.29E+00	3.79E+00		2.40E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Thorium-228	3.25E-01	1.42E+00	2.19E+00		1.42E+00	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Thorium-228	-7.36E-01	1.75E+00	3.98E+00		1.76E+00	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Thorium-228	-1.19E+00	1.70E+00	3.85E+00		1.73E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Thorium-228	1.53E-01	1.39E+00	2.28E+00		1.39E+00	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Thorium-228	1.21E+00	1.87E+00	3.78E+00		1.89E+00	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Thorium-228	2.51E+00	2.10E+00	2.51E+00		2.11E+00	pCi/L	UI
DW-1(431777001) - Drinking Water	29-Aug-17	Thorium-228	5.21E-01	2.10E+00	3.08E+00		2.10E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Thorium-228	4.18E+00	2.42E+00	4.18E+00		2.70E+00	pCi/L	UI
DW-1(436755001) - Drinking Water	31-Oct-17	Thorium-228	1.00E+00	2.48E+00	2.98E+00		2.48E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Thorium-228	1.19E+00	1.85E+00	3.79E+00		1.87E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Thorium-228	2.81E+00	1.76E+00	3.07E+00		1.88E+00	pCi/L	U
DW-1(423146001) - Drinking Water	28-Mar-17	Tritium	2.87E-01	1.38E-01	4.21E-01	5.00E-01	1.41E-01	pCi/mL	U
DW-1(429795001) - Drinking Water	27-Jun-17	Tritium	-3.44E-02	1.25E-01	4.14E-01	5.00E-01	1.25E-01	pCi/mL	U
DW-1(436538003) - Drinking Water	26-Sep-17	Tritium	1.51E-01	9.35E-02	2.95E-01	5.00E-01	9.47E-02	pCi/mL	U
DW-1(441665001) - Drinking Water	27-Dec-17	Tritium	2.08E-01	1.18E-01	3.64E-01	5.00E-01	1.20E-01	pCi/mL	U
DW-1(415431001) - Drinking Water	31-Jan-17	Zinc-65	-9.05E-01	1.13E+00	3.57E+00	3.00E+01	1.15E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Zinc-65	-5.31E-02	8.76E-01	2.46E+00	3.00E+01	8.76E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Zinc-65	7.23E-01	9.57E-01	3.28E+00	3.00E+01	9.72E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Zinc-65	1.33E+00	1.13E+00	3.80E+00	3.00E+01	1.17E+00	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Zinc-65	1.21E+00	7.96E-01	2.86E+00	3.00E+01	8.44E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Zinc-65	-2.22E-01	8.91E-01	2.99E+00	3.00E+01	8.92E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Zinc-65	4.05E-01	8.41E-01	2.86E+00	3.00E+01	8.46E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Zinc-65	-2.82E+00	1.72E+00	3.19E+00	3.00E+01	1.84E+00	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Zinc-65	8.24E-01	1.16E+00	3.90E+00	3.00E+01	1.17E+00	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Zinc-65	8.64E-01	1.21E+00	3.64E+00	3.00E+01	1.23E+00	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Zinc-65	-1.64E+00	1.64E+00	3.28E+00	3.00E+01	1.69E+00	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Zinc-65	-1.30E+00	8.14E-01	2.54E+00	3.00E+01	8.69E-01	pCi/L	U
DW-1(415431001) - Drinking Water	31-Jan-17	Zirconium-95	-3.52E-01	1.01E+00	3.36E+00	1.50E+01	1.01E+00	pCi/L	U
DW-1(417560001) - Drinking Water	28-Feb-17	Zirconium-95	2.50E-01	6.17E-01	2.06E+00	1.50E+01	6.20E-01	pCi/L	U
DW-1(419472001) - Drinking Water	28-Mar-17	Zirconium-95	-1.56E+00	8.48E-01	2.68E+00	1.50E+01	9.24E-01	pCi/L	U
DW-1(421490001) - Drinking Water	25-Apr-17	Zirconium-95	1.14E+00	9.15E-01	3.13E+00	1.50E+01	9.53E-01	pCi/L	U
DW-1(424437001) - Drinking Water	30-May-17	Zirconium-95	1.43E+00	7.47E-01	2.60E+00	1.50E+01	8.17E-01	pCi/L	U
DW-1(426512001) - Drinking Water	27-Jun-17	Zirconium-95	8.52E-02	8.27E-01	2.69E+00	1.50E+01	8.27E-01	pCi/L	U
DW-1(428888001) - Drinking Water	25-Jul-17	Zirconium-95	-8.45E-01	8.90E-01	2.36E+00	1.50E+01	9.11E-01	pCi/L	U
DW-1(431777001) - Drinking Water	29-Aug-17	Zirconium-95	-6.61E-01	8.24E-01	2.69E+00	1.50E+01	8.38E-01	pCi/L	U
DW-1(433670003) - Drinking Water	26-Sep-17	Zirconium-95	-5.00E-01	8.76E-01	2.88E+00	1.50E+01	8.84E-01	pCi/L	U
DW-1(436755001) - Drinking Water	31-Oct-17	Zirconium-95	6.63E-02	8.54E-01	2.88E+00	1.50E+01	8.54E-01	pCi/L	U
DW-1(438794001) - Drinking Water	28-Nov-17	Zirconium-95	1.18E+00	8.83E-01	3.03E+00	1.50E+01	9.26E-01	pCi/L	U
DW-1(440782001) - Drinking Water	27-Dec-17	Zirconium-95	1.51E+00	7.51E-01	2.61E+00	1.50E+01	8.30E-01	pCi/L	U

DW-1QC

Drinking Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
DW-1QC(415431002) - Drinking Water	31-Jan-17	Actinium-228	4.76E+00	4.13E+00	7.91E+00		4.28E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Actinium-228	2.75E+00	5.05E+00	6.75E+00		5.09E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Actinium-228	5.80E+00	4.25E+00	7.86E+00		4.46E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Actinium-228	2.95E-01	4.51E+00	6.96E+00		4.51E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Actinium-228	-1.15E+00	4.11E+00	1.07E+01		4.11E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Actinium-228	-5.88E+00	3.52E+00	7.19E+00		3.78E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Actinium-228	1.11E+00	3.35E+00	4.48E+00		3.35E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Actinium-228	1.71E+00	4.35E+00	6.42E+00		4.36E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Actinium-228	-5.41E-01	4.14E+00	7.67E+00		4.14E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Actinium-228	4.92E-01	3.13E+00	5.22E+00		3.13E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Actinium-228	-2.57E+00	4.09E+00	7.99E+00		4.14E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Actinium-228	9.56E-01	3.40E+00	4.08E+00		3.40E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Antimony-124	-1.74E+00	1.16E+00	3.53E+00		1.23E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Antimony-124	-4.64E-01	1.04E+00	3.32E+00		1.05E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Antimony-124	6.62E-01	1.20E+00	4.01E+00		1.21E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Antimony-124	1.10E+00	1.22E+00	4.28E+00		1.25E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Antimony-124	1.12E+00	1.73E+00	5.94E+00		1.75E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Antimony-124	1.31E-01	1.48E+00	4.28E+00		1.48E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Antimony-124	2.11E+00	8.98E-01	3.40E+00		1.02E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Antimony-124	-7.81E-01	9.32E-01	2.85E+00		9.50E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Antimony-124	2.67E+00	1.33E+00	4.87E+00		1.46E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Antimony-124	1.72E-01	1.08E+00	3.50E+00		1.08E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Antimony-124	1.13E+00	1.26E+00	4.37E+00		1.29E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Antimony-124	6.53E-01	8.85E-01	3.10E+00		8.98E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Antimony-125	1.25E+00	1.30E+00	4.37E+00		1.33E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Antimony-125	-4.60E-01	1.16E+00	3.84E+00		1.16E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Antimony-125	3.03E-03	1.22E+00	4.08E+00		1.22E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Antimony-125	-1.63E+00	1.57E+00	4.97E+00		1.61E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Antimony-125	2.81E+00	2.09E+00	6.14E+00		2.19E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Antimony-125	-1.08E-01	1.23E+00	3.99E+00		1.23E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Antimony-125	1.30E+00	1.12E+00	3.82E+00		1.16E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Antimony-125	8.65E-02	1.18E+00	3.97E+00		1.18E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Antimony-125	-2.54E+00	2.31E+00	4.18E+00		2.38E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Antimony-125	6.09E-01	1.14E+00	3.86E+00		1.15E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Antimony-125	-2.27E+00	1.52E+00	4.89E+00		1.61E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Antimony-125	3.39E-01	1.03E+00	3.53E+00		1.04E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	BETA	2.15E+00	1.13E+00	3.28E+00	4.00E+00	1.14E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	BETA	-5.10E-01	6.69E-01	2.33E+00	4.00E+00	6.69E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	BETA	1.76E+00	9.97E-01	3.02E+00	4.00E+00	1.01E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	BETA	2.14E+00	1.18E+00	3.47E+00	4.00E+00	1.20E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	BETA	2.64E+00	1.15E+00	3.30E+00	4.00E+00	1.17E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	BETA	9.50E-01	3.37E-01	1.03E+00	4.00E+00	3.47E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	BETA	8.65E-01	8.59E-01	2.72E+00	4.00E+00	8.62E-01	pCi/L	U

DW-1QC(431777002) - Drinking Water	29-Aug-17	BETA	2.98E+00	1.15E+00	3.20E+00	4.00E+00	1.18E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	BETA	7.80E-01	6.63E-01	1.91E+00	4.00E+00	6.67E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	BETA	1.65E+00	1.13E+00	3.37E+00	4.00E+00	1.14E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	BETA	1.43E+00	7.99E-01	2.18E+00	4.00E+00	8.09E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	BETA	2.91E+00	1.12E+00	3.03E+00	4.00E+00	1.15E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Barium-140	1.02E+00	2.73E+00	8.92E+00	1.50E+01	2.74E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Barium-140	2.50E+00	2.31E+00	7.95E+00	1.50E+01	2.38E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Barium-140	-1.17E+01	4.54E+00	7.30E+00	1.50E+01	5.30E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Barium-140	-1.12E+00	2.95E+00	9.34E+00	1.50E+01	2.96E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Barium-140	-3.16E+00	3.89E+00	1.21E+01	1.50E+01	3.96E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Barium-140	3.76E+00	2.98E+00	1.00E+01	1.50E+01	3.10E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Barium-140	-4.61E+00	2.84E+00	7.70E+00	1.50E+01	3.03E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Barium-140	2.09E+00	1.68E+00	5.76E+00	1.50E+01	1.75E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Barium-140	-5.67E+00	2.51E+00	7.46E+00	1.50E+01	2.84E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Barium-140	2.28E-01	2.08E+00	6.82E+00	1.50E+01	2.08E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Barium-140	-1.20E+00	2.24E+00	7.27E+00	1.50E+01	2.26E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Barium-140	-5.77E-01	2.80E+00	9.30E+00	1.50E+01	2.80E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Beryllium-7	6.18E+00	4.45E+00	1.51E+01		4.68E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Beryllium-7	1.74E+00	4.03E+00	1.36E+01		4.05E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Beryllium-7	1.26E+01	6.81E+00	1.26E+01		6.84E+00	pCi/L	UI
DW-1QC(421490002) - Drinking Water	25-Apr-17	Beryllium-7	-4.37E+00	5.12E+00	1.62E+01		5.21E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Beryllium-7	3.18E+00	6.15E+00	2.00E+01		6.20E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Beryllium-7	3.72E+00	4.56E+00	1.51E+01		4.64E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Beryllium-7	6.96E-01	3.78E+00	1.25E+01		3.78E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Beryllium-7	1.17E+00	3.31E+00	1.12E+01		3.33E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Beryllium-7	1.24E+00	4.34E+00	1.44E+01		4.35E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Beryllium-7	-5.32E+00	3.72E+00	1.17E+01		3.92E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Beryllium-7	3.77E+00	4.41E+00	1.51E+01		4.50E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Beryllium-7	-7.83E-01	3.77E+00	1.26E+01		3.77E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cerium-141	1.38E+00	1.03E+00	3.06E+00		1.08E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Cerium-141	-2.99E+00	8.80E-01	2.63E+00		1.12E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cerium-141	1.32E+00	7.96E-01	2.69E+00		8.54E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cerium-141	-1.52E+00	1.10E+00	3.35E+00		1.16E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Cerium-141	-1.94E+00	1.77E+00	3.27E+00		1.83E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cerium-141	-4.72E+00	1.47E+00	3.14E+00		1.83E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cerium-141	-9.57E-02	7.61E-01	2.42E+00		7.61E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cerium-141	4.74E-01	7.22E-01	2.19E+00		7.30E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cerium-141	-4.12E-01	8.59E-01	2.54E+00		8.65E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cerium-141	1.45E-01	8.84E-01	2.62E+00		8.85E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cerium-141	-4.20E+00	1.89E+00	3.32E+00		2.13E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cerium-141	-4.98E+00	1.60E+00	2.93E+00		1.97E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cerium-144	6.15E-01	3.48E+00	1.10E+01		3.48E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Cerium-144	-3.05E+00	3.88E+00	1.00E+01		3.95E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cerium-144	-1.75E+00	2.96E+00	9.57E+00		2.99E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cerium-144	3.32E+00	3.95E+00	1.26E+01		4.02E+00	pCi/L	U

DW-1QC(424437002) - Drinking Water	30-May-17	Cerium-144	1.05E+00	3.70E+00	1.16E+01		3.70E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cerium-144	4.36E+00	3.30E+00	1.14E+01		3.45E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cerium-144	1.45E+00	2.80E+00	9.05E+00		2.82E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cerium-144	1.79E+00	2.85E+00	9.36E+00		2.88E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cerium-144	-4.55E+00	2.94E+00	9.30E+00		3.13E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cerium-144	1.39E+00	3.17E+00	1.03E+01		3.19E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cerium-144	-4.66E+00	5.72E+00	1.36E+01		5.83E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cerium-144	6.32E+00	3.04E+00	1.01E+01		3.38E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cesium-134	1.70E-02	5.11E-01	1.73E+00	1.50E+01	5.11E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Cesium-134	2.36E-01	5.32E-01	1.57E+00	1.50E+01	5.35E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cesium-134	-8.25E-01	5.81E-01	1.48E+00	1.50E+01	6.12E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cesium-134	1.34E-01	6.02E-01	2.04E+00	1.50E+01	6.03E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Cesium-134	2.53E+00	1.34E+00	2.53E+00	1.50E+01	1.55E+00	pCi/L	UI
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cesium-134	6.27E-01	5.20E-01	1.84E+00	1.50E+01	5.39E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cesium-134	9.11E-01	6.05E-01	1.53E+00	1.50E+01	6.41E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cesium-134	-1.67E-01	6.89E-01	1.57E+00	1.50E+01	6.91E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cesium-134	1.74E-01	5.63E-01	1.92E+00	1.50E+01	5.64E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cesium-134	5.49E-01	4.78E-01	1.59E+00	1.50E+01	4.95E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cesium-134	8.60E-01	5.60E-01	1.93E+00	1.50E+01	5.95E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cesium-134	3.82E-01	4.37E-01	1.48E+00	1.50E+01	4.46E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cesium-137	-7.93E-01	6.54E-01	1.65E+00	1.80E+01	6.80E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Cesium-137	1.12E+00	4.55E-01	1.63E+00	1.80E+01	5.24E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cesium-137	2.76E-01	4.74E-01	1.58E+00	1.80E+01	4.78E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cesium-137	1.15E+00	5.48E-01	1.98E+00	1.80E+01	6.09E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Cesium-137	4.66E-01	7.24E-01	2.49E+00	1.80E+01	7.32E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cesium-137	-2.00E-01	5.56E-01	1.75E+00	1.80E+01	5.58E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cesium-137	-1.27E-01	4.42E-01	1.40E+00	1.80E+01	4.43E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cesium-137	-6.70E-01	7.91E-01	2.05E+00	1.80E+01	8.07E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cesium-137	9.71E-01	8.99E-01	1.71E+00	1.80E+01	9.00E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cesium-137	5.51E-01	4.40E-01	1.49E+00	1.80E+01	4.58E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cesium-137	1.38E+00	7.49E-01	1.75E+00	1.80E+01	7.52E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cesium-137	-1.88E-01	6.14E-01	1.39E+00	1.80E+01	6.15E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Chromium-51	3.27E+00	4.97E+00	1.68E+01		5.03E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Chromium-51	-2.77E+00	4.16E+00	1.40E+01		4.21E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Chromium-51	-2.78E+00	4.37E+00	1.48E+01		4.42E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Chromium-51	6.84E+00	5.17E+00	1.76E+01		5.41E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Chromium-51	-1.47E+00	6.32E+00	2.03E+01		6.32E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Chromium-51	1.14E+01	5.02E+00	1.74E+01		5.67E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Chromium-51	4.37E+00	4.06E+00	1.40E+01		4.19E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Chromium-51	-2.68E+00	3.35E+00	1.12E+01		3.41E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Chromium-51	-4.04E+00	4.52E+00	1.50E+01		4.62E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Chromium-51	-1.18E+00	4.20E+00	1.41E+01		4.21E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Chromium-51	-6.17E+00	5.05E+00	1.67E+01		5.25E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Chromium-51	-1.14E+01	4.66E+00	1.44E+01		5.38E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cobalt-57	-4.80E-01	5.12E-01	1.45E+00		5.24E-01	pCi/L	U

DW-1QC(417560002) - Drinking Water	28-Feb-17	Cobalt-57	1.37E-01	4.27E-01	1.39E+00		4.28E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cobalt-57	-1.39E-01	3.76E-01	1.23E+00		3.77E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cobalt-57	6.14E-01	5.25E-01	1.69E+00		5.44E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Cobalt-57	4.95E-01	4.55E-01	1.50E+00		4.69E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cobalt-57	1.81E-01	4.35E-01	1.48E+00		4.37E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cobalt-57	-4.45E-01	3.55E-01	1.12E+00		3.70E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cobalt-57	-1.58E-01	3.69E-01	1.19E+00		3.71E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cobalt-57	2.54E-01	3.75E-01	1.24E+00		3.80E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cobalt-57	2.86E-02	4.13E-01	1.34E+00		4.13E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cobalt-57	3.41E-01	5.52E-01	1.79E+00		5.58E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cobalt-57	-2.49E-01	3.89E-01	1.24E+00		3.93E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cobalt-58	-3.28E-01	4.66E-01	1.53E+00	1.50E+01	4.72E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Cobalt-58	3.32E-01	4.18E-01	1.40E+00	1.50E+01	4.25E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cobalt-58	-2.60E-01	5.13E-01	1.60E+00	1.50E+01	5.17E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cobalt-58	8.68E-01	5.28E-01	1.87E+00	1.50E+01	5.64E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Cobalt-58	-3.12E-01	6.92E-01	2.29E+00	1.50E+01	6.96E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cobalt-58	-1.01E+00	4.88E-01	1.53E+00	1.50E+01	5.41E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cobalt-58	-8.08E-02	3.87E-01	1.30E+00	1.50E+01	3.88E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cobalt-58	5.65E-01	4.26E-01	1.32E+00	1.50E+01	4.46E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cobalt-58	-2.04E-01	5.03E-01	1.67E+00	1.50E+01	5.05E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cobalt-58	2.36E-01	4.06E-01	1.41E+00	1.50E+01	4.10E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cobalt-58	-2.20E-01	5.18E-01	1.64E+00	1.50E+01	5.21E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cobalt-58	-6.21E-01	4.03E-01	1.23E+00	1.50E+01	4.28E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Cobalt-60	4.22E-01	4.78E-01	1.64E+00	1.50E+01	4.88E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Cobalt-60	5.78E-01	3.96E-01	1.43E+00	1.50E+01	4.18E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Cobalt-60	1.22E-01	4.77E-01	1.59E+00	1.50E+01	4.77E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Cobalt-60	3.07E-01	5.43E-01	1.80E+00	1.50E+01	5.48E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Cobalt-60	2.79E-01	7.21E-01	2.15E+00	1.50E+01	7.24E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Cobalt-60	2.76E-01	5.21E-01	1.65E+00	1.50E+01	5.25E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Cobalt-60	5.66E-01	4.09E-01	1.42E+00	1.50E+01	4.30E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Cobalt-60	6.91E-02	4.10E-01	1.37E+00	1.50E+01	4.10E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Cobalt-60	1.94E-01	5.45E-01	1.79E+00	1.50E+01	5.46E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Cobalt-60	-3.99E-01	5.36E-01	1.54E+00	1.50E+01	5.44E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Cobalt-60	-4.90E-01	4.98E-01	1.56E+00	1.50E+01	5.11E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Cobalt-60	-6.31E-01	7.83E-01	1.59E+00	1.50E+01	7.97E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Iodine-131	1.20E+00	1.05E+00	3.57E+00		1.08E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Iodine-131	-7.52E-01	8.98E-01	2.98E+00		9.15E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Iodine-131	-2.84E-01	8.36E-01	2.81E+00		8.39E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Iodine-131	6.66E-02	1.03E+00	3.41E+00		1.03E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Iodine-131	-2.13E+00	1.35E+00	4.18E+00		1.44E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Iodine-131	-4.65E-01	1.16E+00	3.76E+00		1.17E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Iodine-131	8.23E-01	9.21E-01	3.14E+00		9.40E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Iodine-131	-2.53E-01	4.85E-01	1.62E+00		4.89E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Iodine-131	4.14E-01	9.29E-01	3.15E+00		9.34E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Iodine-131	2.54E-01	7.55E-01	2.56E+00		7.57E-01	pCi/L	U

DW-1QC(438794002) - Drinking Water	28-Nov-17	Iodine-131	-5.82E-01	7.27E-01	2.41E+00		7.39E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Iodine-131	3.42E-01	1.24E+00	4.25E+00		1.24E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Iron-59	-1.27E+00	1.05E+00	3.27E+00	3.00E+01	1.09E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Iron-59	9.40E-01	8.10E-01	2.89E+00	3.00E+01	8.39E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Iron-59	-6.40E-01	9.86E-01	3.19E+00	3.00E+01	9.97E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Iron-59	4.30E-01	1.12E+00	3.73E+00	3.00E+01	1.13E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Iron-59	1.51E+00	1.44E+00	5.01E+00	3.00E+01	1.48E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Iron-59	-1.97E-01	1.02E+00	3.40E+00	3.00E+01	1.03E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Iron-59	-9.88E-01	8.89E-01	2.82E+00	3.00E+01	9.18E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Iron-59	-3.02E+00	1.49E+00	2.53E+00	3.00E+01	1.65E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Iron-59	-1.44E+00	1.09E+00	3.34E+00	3.00E+01	1.14E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Iron-59	-3.62E-01	9.61E-01	3.15E+00	3.00E+01	9.65E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Iron-59	1.36E-01	1.09E+00	3.72E+00	3.00E+01	1.09E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Iron-59	-9.23E-01	8.90E-01	2.70E+00	3.00E+01	9.16E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Lanthanum-140	3.84E-01	1.00E+00	3.28E+00	1.50E+01	1.00E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Lanthanum-140	1.74E-01	7.70E-01	2.57E+00	1.50E+01	7.71E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Lanthanum-140	5.68E-01	8.52E-01	2.87E+00	1.50E+01	8.62E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Lanthanum-140	-1.80E+00	9.28E-01	2.82E+00	1.50E+01	1.02E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Lanthanum-140	1.17E+00	1.11E+00	3.92E+00	1.50E+01	1.15E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Lanthanum-140	-2.18E-01	1.07E+00	3.02E+00	1.50E+01	1.07E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Lanthanum-140	-7.23E-01	7.95E-01	2.42E+00	1.50E+01	8.12E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Lanthanum-140	-5.88E-01	5.48E-01	1.67E+00	1.50E+01	5.65E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Lanthanum-140	-2.23E+00	1.16E+00	2.88E+00	1.50E+01	1.27E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Lanthanum-140	-1.21E+00	7.78E-01	2.27E+00	1.50E+01	8.28E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Lanthanum-140	2.01E+00	1.04E+00	2.71E+00	1.50E+01	1.14E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Lanthanum-140	-4.32E-01	8.72E-01	2.85E+00	1.50E+01	8.78E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Manganese-54	-5.59E-01	4.79E-01	1.54E+00	1.50E+01	4.97E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Manganese-54	4.68E-01	3.85E-01	1.31E+00	1.50E+01	4.00E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Manganese-54	-8.99E-01	5.01E-01	1.45E+00	1.50E+01	5.44E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Manganese-54	2.50E-01	5.34E-01	1.81E+00	1.50E+01	5.37E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Manganese-54	6.55E-01	7.40E-01	2.26E+00	1.50E+01	7.56E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Manganese-54	2.19E-01	4.38E-01	1.51E+00	1.50E+01	4.41E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Manganese-54	-2.09E-01	4.10E-01	1.36E+00	1.50E+01	4.13E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Manganese-54	-2.81E-01	4.05E-01	1.25E+00	1.50E+01	4.11E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Manganese-54	-2.39E-02	4.94E-01	1.66E+00	1.50E+01	4.94E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Manganese-54	-2.48E-01	4.35E-01	1.45E+00	1.50E+01	4.39E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Manganese-54	1.89E-01	5.30E-01	1.73E+00	1.50E+01	5.32E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Manganese-54	-1.20E+00	6.40E-01	1.14E+00	1.50E+01	6.99E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Niobium-95	1.61E+00	9.40E-01	1.61E+00	1.50E+01	9.44E-01	pCi/L	UI
DW-1QC(417560002) - Drinking Water	28-Feb-17	Niobium-95	1.79E-01	7.16E-01	1.70E+00	1.50E+01	7.17E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Niobium-95	5.95E-01	4.88E-01	1.65E+00	1.50E+01	5.08E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Niobium-95	-2.48E+00	1.16E+00	2.02E+00	1.50E+01	1.30E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Niobium-95	-9.00E-01	7.49E-01	2.43E+00	1.50E+01	7.77E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Niobium-95	5.32E-01	5.36E-01	1.77E+00	1.50E+01	5.50E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Niobium-95	1.09E+00	6.17E-01	1.38E+00	1.50E+01	6.17E-01	pCi/L	U

DW-1QC(431777002) - Drinking Water	29-Aug-17	Niobium-95	3.79E-02	7.24E-01	1.36E+00	1.50E+01	7.24E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Niobium-95	7.90E-02	4.84E-01	1.65E+00	1.50E+01	4.84E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Niobium-95	6.55E-01	4.64E-01	1.56E+00	1.50E+01	4.89E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Niobium-95	-1.37E+00	1.09E+00	1.79E+00	1.50E+01	1.14E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Niobium-95	-7.69E-01	7.77E-01	1.50E+00	1.50E+01	7.98E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Potassium-40	-1.89E+01	9.88E+00	2.12E+01		1.08E+01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Potassium-40	7.20E+00	1.14E+01	1.20E+01		1.14E+01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Potassium-40	-8.31E+00	9.54E+00	2.21E+01		9.74E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Potassium-40	1.08E+01	1.35E+01	1.78E+01		1.35E+01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Potassium-40	-1.24E+01	1.39E+01	3.01E+01		1.42E+01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Potassium-40	-1.26E+01	9.47E+00	2.30E+01		9.91E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Potassium-40	5.21E+00	9.15E+00	1.21E+01		9.15E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Potassium-40	1.31E+01	1.04E+01	1.31E+01		1.04E+01	pCi/L	UI
DW-1QC(433670004) - Drinking Water	26-Sep-17	Potassium-40	1.47E+01	1.37E+01	1.47E+01		1.37E+01	pCi/L	UI
DW-1QC(436755002) - Drinking Water	31-Oct-17	Potassium-40	4.51E+00	1.39E+01	1.55E+01		1.39E+01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Potassium-40	-2.35E+01	1.37E+01	3.24E+01		1.48E+01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Potassium-40	1.38E+01	1.35E+01	1.38E+01		1.35E+01	pCi/L	UI
DW-1QC(415431002) - Drinking Water	31-Jan-17	Ruthenium-103	-2.74E-01	5.01E-01	1.60E+00		5.06E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Ruthenium-103	-7.52E-01	4.72E-01	1.49E+00		5.03E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Ruthenium-103	-1.19E-01	5.40E-01	1.59E+00		5.40E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Ruthenium-103	-6.42E-01	6.02E-01	1.88E+00		6.20E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Ruthenium-103	1.47E+00	8.40E-01	2.51E+00		9.06E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Ruthenium-103	-5.15E-02	6.25E-01	1.80E+00		6.26E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Ruthenium-103	5.31E-02	5.11E-01	1.50E+00		5.11E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Ruthenium-103	-1.77E-02	4.54E-01	1.35E+00		4.54E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Ruthenium-103	3.22E-01	6.06E-01	1.81E+00		6.11E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Ruthenium-103	3.41E-02	4.43E-01	1.46E+00		4.43E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Ruthenium-103	-8.16E-01	5.63E-01	1.79E+00		5.95E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Ruthenium-103	-3.33E-01	4.59E-01	1.51E+00		4.65E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Ruthenium-106	4.89E+00	4.18E+00	1.40E+01		4.33E+00	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Ruthenium-106	-6.14E+00	3.82E+00	1.17E+01		4.07E+00	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Ruthenium-106	-8.94E+00	4.71E+00	1.22E+01		5.16E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Ruthenium-106	-4.49E-01	5.24E+00	1.66E+01		5.24E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Ruthenium-106	1.29E+01	9.94E+00	1.91E+01		9.95E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Ruthenium-106	4.63E+00	4.69E+00	1.56E+01		4.81E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Ruthenium-106	-1.86E+00	3.95E+00	1.25E+01		3.98E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Ruthenium-106	-3.14E+00	3.81E+00	1.21E+01		3.88E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Ruthenium-106	-8.48E-01	5.25E+00	1.49E+01		5.26E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Ruthenium-106	-6.97E-01	4.02E+00	1.29E+01		4.02E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Ruthenium-106	3.10E+00	4.70E+00	1.58E+01		4.76E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Ruthenium-106	7.57E+00	3.71E+00	1.31E+01		4.11E+00	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Selenium-75	3.28E-01	6.53E-01	2.22E+00		6.57E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Selenium-75	5.15E-01	6.10E-01	1.94E+00		6.21E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Selenium-75	-1.11E+00	1.07E+00	2.10E+00		1.11E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Selenium-75	-3.97E-01	7.00E-01	2.32E+00		7.06E-01	pCi/L	U

DW-1QC(424437002) - Drinking Water	30-May-17	Selenium-75	6.79E-02	8.46E-01	2.74E+00		8.46E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Selenium-75	4.70E-01	6.77E-01	2.27E+00		6.85E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Selenium-75	-2.17E-02	5.40E-01	1.84E+00		5.40E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Selenium-75	-2.17E-01	5.81E-01	1.79E+00		5.83E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Selenium-75	4.88E-01	6.29E-01	2.19E+00		6.39E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Selenium-75	-2.57E-01	5.82E-01	1.98E+00		5.85E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Selenium-75	-1.15E+00	7.49E-01	2.50E+00		7.96E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Selenium-75	-5.65E-01	6.30E-01	1.92E+00		6.43E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Silver-108m	6.33E-02	4.32E-01	1.42E+00		4.32E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Silver-108m	3.57E-01	3.95E-01	1.36E+00		4.03E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Silver-108m	-7.10E-01	3.99E-01	1.26E+00		4.32E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Silver-108m	-3.99E-01	5.11E-01	1.63E+00		5.20E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Silver-108m	-2.74E-01	6.22E-01	1.97E+00		6.25E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Silver-108m	2.84E-01	4.39E-01	1.46E+00		4.44E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Silver-108m	5.01E-01	3.83E-01	1.31E+00		4.00E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Silver-108m	-6.68E-01	3.72E-01	1.18E+00		4.04E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Silver-108m	-2.40E-01	4.25E-01	1.38E+00		4.29E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Silver-108m	-3.98E-01	4.13E-01	1.34E+00		4.23E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Silver-108m	-4.96E-01	4.88E-01	1.59E+00		5.02E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Silver-108m	1.17E-01	3.63E-01	1.24E+00		3.64E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Silver-110m	-3.55E-01	6.03E-01	1.97E+00		6.09E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Silver-110m	9.72E-01	6.79E-01	1.90E+00		7.15E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Silver-110m	1.29E+00	6.61E-01	2.22E+00		7.28E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Silver-110m	1.00E+00	7.61E-01	2.65E+00		7.96E-01	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Silver-110m	9.40E-01	8.93E-01	3.11E+00		9.19E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Silver-110m	1.17E+00	6.79E-01	2.43E+00		7.31E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Silver-110m	2.74E-01	5.24E-01	1.80E+00		5.28E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Silver-110m	-1.29E-01	5.98E-01	1.89E+00		5.99E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Silver-110m	-1.79E+00	7.36E-01	1.84E+00		8.46E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Silver-110m	-8.64E-01	5.39E-01	1.70E+00		5.76E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Silver-110m	1.81E-02	7.79E-01	2.22E+00		7.79E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Silver-110m	5.76E-01	7.12E-01	1.81E+00		7.24E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Strontium-89	-1.09E+00	4.44E-01	1.74E+00	1.00E+01	5.45E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Strontium-89	4.21E-01	4.78E-01	1.48E+00	1.00E+01	5.43E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Strontium-89	-3.89E-01	3.67E-01	1.32E+00	1.00E+01	4.44E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Strontium-89	4.38E-01	1.05E+00	1.67E+00	1.00E+01	1.30E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Strontium-89	2.58E-02	5.32E-01	1.75E+00	1.00E+01	6.59E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Strontium-89	-2.00E-01	4.85E-01	1.65E+00	1.00E+01	6.17E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Strontium-89	-3.03E+00	6.26E-01	2.58E+00	1.00E+01	7.00E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Strontium-89	-3.48E-01	4.79E-01	1.66E+00	1.00E+01	6.37E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Strontium-89	-1.71E+00	1.42E-01	1.19E+00	1.00E+01	4.64E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Strontium-89	-1.07E+00	4.06E-01	1.70E+00	1.00E+01	6.02E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Strontium-89	1.26E-02	4.14E-01	1.36E+00	1.00E+01	4.39E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Strontium-89	-6.85E-02	3.96E-01	1.32E+00	1.00E+01	5.36E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Strontium-90	-6.96E-01	2.64E-01	1.70E+00	2.00E+00	4.63E-01	pCi/L	U

DW-1QC(417560002) - Drinking Water	28-Feb-17	Strontium-90	-5.46E-01	2.88E-01	1.60E+00	2.00E+00	4.32E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Strontium-90	-7.55E-01	2.43E-01	1.60E+00	2.00E+00	4.24E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Strontium-90	1.51E-01	6.99E-01	1.73E+00	2.00E+00	1.05E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Strontium-90	4.48E-01	3.12E-01	1.85E+00	2.00E+00	5.80E-01	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Strontium-90	-5.45E-01	4.07E-01	1.45E+00	2.00E+00	4.07E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Strontium-90	-3.29E-01	2.49E-01	1.18E+00	2.00E+00	3.23E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Strontium-90	2.71E-01	3.67E-01	1.44E+00	2.00E+00	4.62E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Strontium-90	9.97E-01	3.75E-01	1.72E+00	2.00E+00	6.05E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Strontium-90	-2.50E-01	3.23E-01	1.51E+00	2.00E+00	4.33E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Strontium-90	-1.79E-01	1.04E-01	4.60E-01	2.00E+00	1.35E-01	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Strontium-90	-7.11E-01	3.02E-01	1.50E+00	2.00E+00	4.07E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Thorium-228	2.99E+00	2.21E+00	2.99E+00		2.22E+00	pCi/L	UI
DW-1QC(417560002) - Drinking Water	28-Feb-17	Thorium-228	3.50E+00	2.02E+00	3.50E+00		2.34E+00	pCi/L	UI
DW-1QC(419472002) - Drinking Water	28-Mar-17	Thorium-228	-1.13E+00	1.36E+00	3.31E+00		1.39E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Thorium-228	3.02E-01	1.54E+00	3.78E+00		1.55E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Thorium-228	1.28E+00	1.71E+00	4.28E+00		1.73E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Thorium-228	-9.11E-01	1.74E+00	3.57E+00		1.75E+00	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Thorium-228	9.44E-01	1.66E+00	2.38E+00		1.66E+00	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Thorium-228	9.55E-01	1.66E+00	3.20E+00		1.67E+00	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Thorium-228	1.74E+00	1.77E+00	3.26E+00		1.81E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Thorium-228	1.11E+00	1.91E+00	3.40E+00		1.92E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Thorium-228	7.85E-01	2.35E+00	4.63E+00		2.36E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Thorium-228	-1.31E-01	1.34E+00	3.10E+00		1.34E+00	pCi/L	U
DW-1QC(423146002) - Drinking Water	28-Mar-17	Tritium	2.15E-01	1.37E-01	4.28E-01	5.00E-01	1.39E-01	pCi/mL	U
DW-1QC(429795002) - Drinking Water	27-Jun-17	Tritium	-2.96E-02	1.21E-01	4.02E-01	5.00E-01	1.21E-01	pCi/mL	U
DW-1QC(436538004) - Drinking Water	26-Sep-17	Tritium	5.44E-02	8.83E-02	2.86E-01	5.00E-01	8.84E-02	pCi/mL	U
DW-1QC(441665002) - Drinking Water	27-Dec-17	Tritium	1.57E-01	1.15E-01	3.61E-01	5.00E-01	1.16E-01	pCi/mL	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Zinc-65	-5.72E-01	9.84E-01	3.15E+00	3.00E+01	9.93E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Zinc-65	2.40E-01	8.44E-01	2.90E+00	3.00E+01	8.46E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Zinc-65	3.77E-01	1.12E+00	3.35E+00	3.00E+01	1.12E+00	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Zinc-65	-2.18E+00	1.22E+00	3.70E+00	3.00E+01	1.32E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Zinc-65	1.97E+00	1.39E+00	4.92E+00	3.00E+01	1.46E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Zinc-65	3.51E-01	9.63E-01	3.28E+00	3.00E+01	9.67E-01	pCi/L	U
DW-1QC(428888002) - Drinking Water	25-Jul-17	Zinc-65	-1.01E+00	9.52E-01	2.59E+00	3.00E+01	9.80E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Zinc-65	5.19E-01	8.27E-01	2.56E+00	3.00E+01	8.36E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Zinc-65	1.42E+00	1.17E+00	3.61E+00	3.00E+01	1.21E+00	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Zinc-65	2.69E-01	1.08E+00	3.19E+00	3.00E+01	1.08E+00	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Zinc-65	-1.39E+00	1.01E+00	3.17E+00	3.00E+01	1.06E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Zinc-65	-4.33E-01	8.52E-01	2.66E+00	3.00E+01	8.58E-01	pCi/L	U
DW-1QC(415431002) - Drinking Water	31-Jan-17	Zirconium-95	8.91E-02	8.04E-01	2.74E+00	1.50E+01	8.04E-01	pCi/L	U
DW-1QC(417560002) - Drinking Water	28-Feb-17	Zirconium-95	5.71E-01	7.98E-01	2.67E+00	1.50E+01	8.09E-01	pCi/L	U
DW-1QC(419472002) - Drinking Water	28-Mar-17	Zirconium-95	4.41E-02	8.71E-01	2.80E+00	1.50E+01	8.71E-01	pCi/L	U
DW-1QC(421490002) - Drinking Water	25-Apr-17	Zirconium-95	-1.16E+00	9.91E-01	3.21E+00	1.50E+01	1.03E+00	pCi/L	U
DW-1QC(424437002) - Drinking Water	30-May-17	Zirconium-95	-1.62E+00	1.23E+00	3.96E+00	1.50E+01	1.29E+00	pCi/L	U
DW-1QC(426512002) - Drinking Water	27-Jun-17	Zirconium-95	8.04E-01	9.62E-01	3.16E+00	1.50E+01	9.80E-01	pCi/L	U

DW-1QC(428888002) - Drinking Water	25-Jul-17	Zirconium-95	-2.86E-01	8.28E-01	2.59E+00	1.50E+01	8.30E-01	pCi/L	U
DW-1QC(431777002) - Drinking Water	29-Aug-17	Zirconium-95	-3.55E-01	7.44E-01	2.35E+00	1.50E+01	7.48E-01	pCi/L	U
DW-1QC(433670004) - Drinking Water	26-Sep-17	Zirconium-95	-1.73E+00	8.78E-01	2.76E+00	1.50E+01	9.67E-01	pCi/L	U
DW-1QC(436755002) - Drinking Water	31-Oct-17	Zirconium-95	-9.14E-01	7.49E-01	2.25E+00	1.50E+01	7.79E-01	pCi/L	U
DW-1QC(438794002) - Drinking Water	28-Nov-17	Zirconium-95	-2.51E+00	1.40E+00	3.27E+00	1.50E+01	1.52E+00	pCi/L	U
DW-1QC(440782002) - Drinking Water	27-Dec-17	Zirconium-95	-4.28E-01	7.38E-01	2.37E+00	1.50E+01	7.44E-01	pCi/L	U

DW-2

Drinking Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
DW-2(415431003) - Drinking Water	31-Jan-17	Actinium-228	3.45E+00	4.07E+00	7.52E+00		4.15E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Actinium-228	2.53E+00	4.60E+00	8.77E+00		4.64E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Actinium-228	1.14E-01	3.38E+00	6.92E+00		3.38E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Actinium-228	9.76E-01	5.25E+00	6.14E+00		5.25E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Actinium-228	5.78E+00	3.29E+00	6.27E+00		3.56E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Actinium-228	3.40E+00	3.60E+00	7.99E+00		3.69E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Actinium-228	-2.33E+00	2.71E+00	6.00E+00		2.77E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Actinium-228	6.39E+00	3.42E+00	6.54E+00		3.73E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Actinium-228	-5.37E+00	3.81E+00	7.64E+00		4.02E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Actinium-228	-6.53E+00	2.64E+00	5.45E+00		3.06E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Actinium-228	-1.58E+00	3.55E+00	7.53E+00		3.57E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Actinium-228	-1.66E+00	2.88E+00	6.33E+00		2.90E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Antimony-124	8.62E-02	1.20E+00	3.38E+00		1.20E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Antimony-124	-1.39E+00	1.32E+00	4.09E+00		1.36E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Antimony-124	6.20E-01	1.00E+00	3.17E+00		1.02E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Antimony-124	1.03E+00	1.44E+00	4.42E+00		1.46E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Antimony-124	-8.07E-01	1.12E+00	3.60E+00		1.14E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Antimony-124	9.64E-01	1.29E+00	4.51E+00		1.31E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Antimony-124	1.65E+00	1.07E+00	3.79E+00		1.14E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Antimony-124	-2.65E-01	8.46E-01	2.69E+00		8.49E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Antimony-124	3.36E-01	1.27E+00	4.15E+00		1.27E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Antimony-124	-1.06E+00	9.54E-01	2.94E+00		9.86E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Antimony-124	1.58E+00	1.28E+00	4.43E+00		1.33E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Antimony-124	1.39E+00	1.06E+00	3.78E+00		1.11E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Antimony-125	-7.94E-01	1.18E+00	3.84E+00		1.20E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Antimony-125	3.25E-02	1.49E+00	4.38E+00		1.49E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Antimony-125	-1.26E-01	1.21E+00	4.04E+00		1.21E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Antimony-125	-2.46E-02	1.40E+00	4.58E+00		1.40E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Antimony-125	-8.98E-01	1.27E+00	4.00E+00		1.28E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Antimony-125	2.28E+00	1.41E+00	4.90E+00		1.51E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Antimony-125	2.64E-01	1.12E+00	3.78E+00		1.12E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Antimony-125	-1.91E-01	1.08E+00	3.59E+00		1.09E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Antimony-125	4.08E-02	1.38E+00	4.18E+00		1.38E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Antimony-125	-2.10E+00	1.51E+00	3.26E+00		1.59E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Antimony-125	-1.99E+00	1.26E+00	4.02E+00		1.34E+00	pCi/L	U

DW-2(440782003) - Drinking Water	27-Dec-17	Antimony-125	-3.67E-01	9.16E-01	3.07E+00		9.20E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	BETA	3.91E+00	1.27E+00	3.47E+00	4.00E+00	1.31E+00	pCi/L	M
DW-2(417560003) - Drinking Water	28-Feb-17	BETA	4.31E-01	7.23E-01	2.23E+00	4.00E+00	7.24E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	BETA	2.66E+00	1.08E+00	3.20E+00	4.00E+00	1.11E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	BETA	2.29E+00	1.19E+00	3.50E+00	4.00E+00	1.20E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	BETA	7.22E-01	1.04E+00	3.26E+00	4.00E+00	1.04E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	BETA	9.98E-01	4.87E-01	1.55E+00	4.00E+00	4.95E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	BETA	1.35E+00	1.15E+00	3.61E+00	4.00E+00	1.16E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	BETA	3.20E+00	1.17E+00	3.26E+00	4.00E+00	1.20E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	BETA	1.94E+00	1.14E+00	3.26E+00	4.00E+00	1.15E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	BETA	9.22E-01	4.50E-01	1.43E+00	4.00E+00	4.57E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	BETA	-3.79E-01	9.92E-01	3.31E+00	4.00E+00	9.92E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	BETA	2.18E+00	8.68E-01	2.23E+00	4.00E+00	8.88E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Barium-140	6.42E-01	2.47E+00	8.15E+00	1.50E+01	2.48E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Barium-140	1.57E+00	2.98E+00	9.84E+00	1.50E+01	3.00E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Barium-140	8.90E-01	2.17E+00	7.27E+00	1.50E+01	2.18E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Barium-140	-1.07E+00	4.57E+00	8.53E+00	1.50E+01	4.57E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Barium-140	3.10E-01	2.40E+00	7.66E+00	1.50E+01	2.40E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Barium-140	-6.72E+00	2.97E+00	8.91E+00	1.50E+01	3.35E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Barium-140	-3.00E+00	2.59E+00	7.23E+00	1.50E+01	2.68E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Barium-140	-1.13E+00	1.53E+00	4.91E+00	1.50E+01	1.56E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Barium-140	8.22E+00	3.68E+00	8.22E+00	1.50E+01	3.70E+00	pCi/L	UI
DW-2(436755003) - Drinking Water	31-Oct-17	Barium-140	-3.07E-01	1.70E+00	5.64E+00	1.50E+01	1.70E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Barium-140	2.00E+00	1.84E+00	6.32E+00	1.50E+01	1.90E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Barium-140	1.43E+00	2.48E+00	8.45E+00	1.50E+01	2.50E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Beryllium-7	7.82E-01	3.87E+00	1.28E+01		3.87E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Beryllium-7	3.14E-01	4.74E+00	1.55E+01		4.74E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Beryllium-7	-2.90E-01	3.52E+00	1.17E+01		3.52E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Beryllium-7	9.32E+00	4.69E+00	1.61E+01		5.16E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Beryllium-7	-1.07E+00	3.90E+00	1.24E+01		3.90E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Beryllium-7	-4.59E+00	4.59E+00	1.46E+01		4.71E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Beryllium-7	-3.24E+00	3.96E+00	1.14E+01		4.03E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Beryllium-7	-4.41E+00	3.45E+00	1.10E+01		3.60E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Beryllium-7	2.45E+00	3.98E+00	1.35E+01		4.02E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Beryllium-7	7.47E-01	3.13E+00	1.06E+01		3.14E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Beryllium-7	3.09E+00	3.88E+00	1.33E+01		3.95E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Beryllium-7	-4.91E-01	3.19E+00	1.07E+01		3.19E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cerium-141	6.87E-01	8.29E-01	2.48E+00		8.44E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cerium-141	1.67E-01	1.55E+00	2.59E+00		1.55E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cerium-141	-2.44E+00	7.75E-01	2.34E+00		9.59E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cerium-141	6.41E-01	1.94E+00	2.97E+00		1.94E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cerium-141	1.37E+00	1.73E+00	2.69E+00		1.73E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cerium-141	3.31E+00	2.09E+00	3.31E+00		2.09E+00	pCi/L	UI
DW-2(428888003) - Drinking Water	25-Jul-17	Cerium-141	2.54E+00	1.63E+00	2.54E+00		1.64E+00	pCi/L	UI
DW-2(431777003) - Drinking Water	29-Aug-17	Cerium-141	-1.32E+00	1.10E+00	2.15E+00		1.14E+00	pCi/L	U

DW-2(433670006) - Drinking Water	26-Sep-17	Cerium-141	-3.51E-01	8.00E-01	2.59E+00		8.04E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cerium-141	-4.36E+00	1.09E+00	1.96E+00		1.49E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cerium-141	-1.43E+00	1.20E+00	2.29E+00		1.25E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cerium-141	-1.30E+00	8.01E-01	2.29E+00		8.56E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cerium-144	-2.70E+00	2.93E+00	9.18E+00		3.00E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cerium-144	-6.97E+00	2.89E+00	8.71E+00		3.32E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cerium-144	-7.56E-01	2.90E+00	9.34E+00		2.90E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cerium-144	6.64E+00	3.42E+00	1.12E+01		3.75E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cerium-144	-3.87E-01	2.78E+00	9.51E+00		2.78E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cerium-144	7.03E+00	3.47E+00	1.23E+01		3.83E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Cerium-144	5.07E+00	2.78E+00	9.27E+00		3.02E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Cerium-144	-4.32E+00	2.81E+00	8.65E+00		2.98E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Cerium-144	-2.77E+00	2.99E+00	9.61E+00		3.06E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cerium-144	-1.94E-02	2.46E+00	7.97E+00		2.46E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cerium-144	-8.26E-01	2.97E+00	9.68E+00		2.98E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cerium-144	5.17E-02	2.52E+00	8.18E+00		2.52E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cesium-134	-7.14E-01	1.05E+00	1.58E+00	1.50E+01	1.06E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cesium-134	3.72E-01	5.99E-01	2.07E+00	1.50E+01	6.05E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cesium-134	-2.49E-01	4.48E-01	1.33E+00	1.50E+01	4.52E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cesium-134	1.13E+00	5.78E-01	2.07E+00	1.50E+01	6.34E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cesium-134	4.52E-01	4.95E-01	1.70E+00	1.50E+01	5.06E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cesium-134	4.72E-01	5.57E-01	1.87E+00	1.50E+01	5.67E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Cesium-134	1.71E-01	4.12E-01	1.35E+00	1.50E+01	4.14E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Cesium-134	-5.90E-01	4.68E-01	1.42E+00	1.50E+01	4.88E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Cesium-134	1.04E+00	5.72E-01	1.97E+00	1.50E+01	6.21E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cesium-134	2.52E-01	3.65E-01	1.23E+00	1.50E+01	3.70E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cesium-134	-7.28E-01	5.13E-01	1.52E+00	1.50E+01	5.41E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cesium-134	-3.62E-01	3.97E-01	1.24E+00	1.50E+01	4.06E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cesium-137	-3.20E-01	4.75E-01	1.41E+00	1.80E+01	4.81E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cesium-137	6.34E-01	6.17E-01	2.05E+00	1.80E+01	6.35E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cesium-137	6.77E-01	1.07E+00	1.50E+00	1.80E+01	1.07E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cesium-137	1.06E+00	5.11E-01	1.86E+00	1.80E+01	5.66E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cesium-137	-8.51E-01	4.32E-01	1.36E+00	1.80E+01	4.75E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cesium-137	4.85E-02	5.99E-01	1.96E+00	1.80E+01	5.99E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Cesium-137	-7.74E-03	4.25E-01	1.38E+00	1.80E+01	4.25E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Cesium-137	1.14E-02	4.36E-01	1.41E+00	1.80E+01	4.36E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Cesium-137	-3.74E-01	4.90E-01	1.54E+00	1.80E+01	4.98E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cesium-137	-2.07E-01	3.80E-01	1.23E+00	1.80E+01	3.84E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cesium-137	-2.87E-01	4.87E-01	1.54E+00	1.80E+01	4.91E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cesium-137	5.68E-02	3.55E-01	1.18E+00	1.80E+01	3.56E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Chromium-51	6.88E-01	4.10E+00	1.39E+01		4.10E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Chromium-51	-5.51E+00	4.64E+00	1.51E+01		4.81E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Chromium-51	-1.85E+00	3.90E+00	1.32E+01		3.92E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Chromium-51	8.68E+00	4.92E+00	1.64E+01		5.31E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Chromium-51	-2.14E+00	4.26E+00	1.38E+01		4.29E+00	pCi/L	U

DW-2(426512003) - Drinking Water	27-Jun-17	Chromium-51	-4.69E+00	5.10E+00	1.67E+01		5.21E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Chromium-51	3.94E+00	3.85E+00	1.34E+01		3.96E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Chromium-51	-5.68E-01	3.36E+00	1.13E+01		3.36E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Chromium-51	-7.71E-01	4.46E+00	1.52E+01		4.47E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Chromium-51	2.85E+00	3.40E+00	1.19E+01		3.46E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Chromium-51	-4.36E+00	3.90E+00	1.30E+01		4.04E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Chromium-51	-5.05E-01	3.72E+00	1.28E+01		3.72E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cobalt-57	2.86E-01	3.59E-01	1.17E+00		3.65E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cobalt-57	2.74E-02	3.63E-01	1.17E+00		3.63E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cobalt-57	3.10E-01	3.90E-01	1.20E+00		3.97E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cobalt-57	1.11E-01	4.83E-01	1.54E+00		4.84E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cobalt-57	1.93E-03	3.63E-01	1.25E+00		3.63E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cobalt-57	2.44E-01	4.84E-01	1.68E+00		4.87E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Cobalt-57	2.45E-01	3.73E-01	1.22E+00		3.77E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Cobalt-57	-2.46E-01	3.57E-01	1.13E+00		3.62E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Cobalt-57	-2.66E-01	3.78E-01	1.23E+00		3.83E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cobalt-57	2.89E-02	3.18E-01	1.04E+00		3.18E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cobalt-57	1.98E-01	3.80E-01	1.27E+00		3.83E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cobalt-57	1.50E-01	3.27E-01	1.08E+00		3.29E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cobalt-58	1.34E-01	4.64E-01	1.49E+00	1.50E+01	4.66E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cobalt-58	5.13E-01	5.77E-01	2.01E+00	1.50E+01	5.90E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cobalt-58	-7.52E-02	4.92E-01	1.39E+00	1.50E+01	4.92E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cobalt-58	2.84E-01	4.98E-01	1.71E+00	1.50E+01	5.02E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cobalt-58	-1.13E-01	4.64E-01	1.34E+00	1.50E+01	4.65E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cobalt-58	7.48E-01	5.74E-01	1.96E+00	1.50E+01	6.00E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Cobalt-58	6.22E-01	4.11E-01	1.41E+00	1.50E+01	4.36E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Cobalt-58	-3.64E-01	3.98E-01	1.22E+00	1.50E+01	4.07E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Cobalt-58	5.99E-01	6.40E-01	1.62E+00	1.50E+01	6.41E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cobalt-58	6.67E-02	4.12E-01	1.21E+00	1.50E+01	4.13E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cobalt-58	6.19E-02	4.95E-01	1.59E+00	1.50E+01	4.95E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cobalt-58	-2.98E-01	4.04E-01	1.27E+00	1.50E+01	4.10E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Cobalt-60	7.80E-01	4.61E-01	1.65E+00	1.50E+01	4.95E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Cobalt-60	-9.70E-01	6.31E-01	1.85E+00	1.50E+01	6.71E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Cobalt-60	4.51E-01	4.49E-01	1.56E+00	1.50E+01	4.61E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Cobalt-60	1.20E+00	5.40E-01	1.95E+00	1.50E+01	6.07E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Cobalt-60	1.46E-01	4.51E-01	1.47E+00	1.50E+01	4.52E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Cobalt-60	-1.19E-01	5.06E-01	1.69E+00	1.50E+01	5.07E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Cobalt-60	1.88E-01	4.35E-01	1.47E+00	1.50E+01	4.37E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Cobalt-60	-2.17E-01	4.31E-01	1.39E+00	1.50E+01	4.34E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Cobalt-60	-3.54E-01	4.78E-01	1.49E+00	1.50E+01	4.85E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Cobalt-60	2.81E-01	3.98E-01	1.39E+00	1.50E+01	4.03E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Cobalt-60	4.66E-01	4.67E-01	1.63E+00	1.50E+01	4.79E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Cobalt-60	1.66E-01	3.83E-01	1.32E+00	1.50E+01	3.85E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Iodine-131	-1.03E+00	9.10E-01	2.95E+00		9.40E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Iodine-131	4.76E-01	1.07E+00	3.60E+00		1.08E+00	pCi/L	U

DW-2(419472003) - Drinking Water	28-Mar-17	Iodine-131	-8.50E-02	7.34E-01	2.48E+00		7.34E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Iodine-131	-6.57E-02	9.14E-01	3.01E+00		9.14E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Iodine-131	2.09E+00	8.71E-01	3.02E+00		9.99E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Iodine-131	-2.97E-01	1.20E+00	3.98E+00		1.20E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Iodine-131	9.67E-01	8.70E-01	3.02E+00		8.99E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Iodine-131	1.15E+00	4.89E-01	1.73E+00		5.58E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Iodine-131	-1.21E+00	8.57E-01	2.79E+00		9.02E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Iodine-131	-6.10E-01	5.80E-01	1.93E+00		5.98E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Iodine-131	-4.68E-01	5.77E-01	1.92E+00		5.88E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Iodine-131	7.26E-02	1.05E+00	3.61E+00		1.05E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Iron-59	-2.61E+00	9.76E-01	2.84E+00	3.00E+01	1.15E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Iron-59	-4.43E-01	1.11E+00	3.58E+00	3.00E+01	1.12E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Iron-59	-1.56E+00	1.03E+00	2.78E+00	3.00E+01	1.09E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Iron-59	-1.31E+00	1.12E+00	3.45E+00	3.00E+01	1.16E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Iron-59	-8.93E-01	8.76E-01	2.71E+00	3.00E+01	9.01E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Iron-59	1.86E+00	1.14E+00	3.94E+00	3.00E+01	1.22E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Iron-59	-7.18E-02	8.10E-01	2.72E+00	3.00E+01	8.10E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Iron-59	-2.97E-01	7.45E-01	2.46E+00	3.00E+01	7.48E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Iron-59	-3.69E-01	9.98E-01	3.27E+00	3.00E+01	1.00E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Iron-59	8.30E-02	7.15E-01	2.29E+00	3.00E+01	7.15E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Iron-59	-1.56E+00	1.01E+00	3.13E+00	3.00E+01	1.08E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Iron-59	1.65E-01	8.17E-01	2.63E+00	3.00E+01	8.18E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Lanthanum-140	7.45E-01	8.65E-01	2.94E+00	1.50E+01	8.82E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Lanthanum-140	9.00E-01	1.04E+00	3.67E+00	1.50E+01	1.06E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Lanthanum-140	-4.04E-01	7.70E-01	2.10E+00	1.50E+01	7.76E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Lanthanum-140	8.26E-02	8.38E-01	2.82E+00	1.50E+01	8.38E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Lanthanum-140	5.79E-02	8.19E-01	2.75E+00	1.50E+01	8.19E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Lanthanum-140	-2.83E-01	1.11E+00	3.65E+00	1.50E+01	1.11E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Lanthanum-140	-4.80E-01	8.30E-01	2.63E+00	1.50E+01	8.38E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Lanthanum-140	3.06E-01	5.29E-01	1.78E+00	1.50E+01	5.34E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Lanthanum-140	-3.23E-01	9.71E-01	3.07E+00	1.50E+01	9.74E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Lanthanum-140	-8.41E-01	5.76E-01	1.74E+00	1.50E+01	6.09E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Lanthanum-140	-8.42E-01	7.28E-01	2.17E+00	1.50E+01	7.54E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Lanthanum-140	-1.01E+00	8.12E-01	2.48E+00	1.50E+01	8.46E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Manganese-54	2.14E-01	4.45E-01	1.54E+00	1.50E+01	4.47E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Manganese-54	6.21E-02	5.37E-01	1.82E+00	1.50E+01	5.37E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Manganese-54	1.69E-02	4.02E-01	1.29E+00	1.50E+01	4.02E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Manganese-54	-7.57E-02	5.17E-01	1.72E+00	1.50E+01	5.17E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Manganese-54	-8.59E-01	4.33E-01	1.33E+00	1.50E+01	4.77E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Manganese-54	-1.10E-01	5.41E-01	1.73E+00	1.50E+01	5.42E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Manganese-54	1.15E-01	4.54E-01	1.31E+00	1.50E+01	4.55E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Manganese-54	-4.64E-02	4.12E-01	1.31E+00	1.50E+01	4.12E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Manganese-54	5.80E-01	4.70E-01	1.59E+00	1.50E+01	4.90E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Manganese-54	7.74E-01	3.52E-01	1.26E+00	1.50E+01	3.96E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Manganese-54	1.91E-01	4.57E-01	1.48E+00	1.50E+01	4.59E-01	pCi/L	U

DW-2(440782003) - Drinking Water	27-Dec-17	Manganese-54	3.72E-02	3.52E-01	1.15E+00	1.50E+01	3.52E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Niobium-95	-1.08E-01	5.10E-01	1.42E+00	1.50E+01	5.11E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Niobium-95	1.27E+00	6.02E-01	2.19E+00	1.50E+01	6.71E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Niobium-95	3.43E-01	4.40E-01	1.46E+00	1.50E+01	4.47E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Niobium-95	1.13E+00	4.86E-01	1.78E+00	1.50E+01	5.52E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Niobium-95	8.83E-01	6.22E-01	1.43E+00	1.50E+01	6.24E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Niobium-95	1.31E+00	8.84E-01	1.69E+00	1.50E+01	8.85E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Niobium-95	4.56E-01	4.71E-01	1.57E+00	1.50E+01	4.83E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Niobium-95	1.18E+00	3.93E-01	1.40E+00	1.50E+01	4.80E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Niobium-95	1.08E+00	5.67E-01	1.80E+00	1.50E+01	6.21E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Niobium-95	8.01E-01	9.06E-01	1.13E+00	1.50E+01	9.07E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Niobium-95	-2.90E-01	5.01E-01	1.56E+00	1.50E+01	5.05E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Niobium-95	4.36E-01	3.71E-01	1.28E+00	1.50E+01	3.85E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Potassium-40	-1.26E+01	1.02E+01	2.26E+01		1.06E+01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Potassium-40	-9.48E-01	1.10E+01	2.54E+01		1.10E+01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Potassium-40	-1.15E+01	8.95E+00	1.94E+01		9.34E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Potassium-40	1.03E+01	1.17E+01	1.58E+01		1.17E+01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Potassium-40	1.41E+01	1.10E+01	1.41E+01		1.11E+01	pCi/L	UI
DW-2(426512003) - Drinking Water	27-Jun-17	Potassium-40	-2.55E+00	1.18E+01	2.62E+01		1.19E+01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Potassium-40	1.19E+01	1.21E+01	1.30E+01		1.21E+01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Potassium-40	-2.09E+00	9.48E+00	2.16E+01		9.50E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Potassium-40	-1.48E+01	1.09E+01	2.39E+01		1.14E+01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Potassium-40	1.15E+01	1.17E+01	1.21E+01		1.17E+01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Potassium-40	-1.40E+01	1.03E+01	2.43E+01		1.08E+01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Potassium-40	-1.59E+01	7.49E+00	1.79E+01		8.37E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Ruthenium-103	-8.03E-01	4.96E-01	1.54E+00		5.30E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Ruthenium-103	8.03E-01	6.46E-01	1.98E+00		6.73E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Ruthenium-103	-2.80E-01	4.90E-01	1.60E+00		4.94E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Ruthenium-103	-1.11E+00	5.51E-01	1.65E+00		6.08E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Ruthenium-103	-5.88E-01	5.35E-01	1.45E+00		5.52E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Ruthenium-103	-1.62E+00	5.86E-01	1.75E+00		6.96E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Ruthenium-103	2.18E-01	4.83E-01	1.46E+00		4.86E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Ruthenium-103	6.01E-01	4.07E-01	1.40E+00		4.31E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Ruthenium-103	2.92E-02	5.09E-01	1.69E+00		5.09E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Ruthenium-103	-3.22E-01	4.05E-01	1.18E+00		4.12E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Ruthenium-103	3.14E-01	4.59E-01	1.56E+00		4.65E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Ruthenium-103	9.36E-02	4.70E-01	1.43E+00		4.71E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Ruthenium-106	8.34E+00	4.25E+00	1.47E+01		4.67E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Ruthenium-106	1.07E+01	6.58E+00	1.45E+01		6.60E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Ruthenium-106	1.76E+00	3.73E+00	1.24E+01		3.75E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Ruthenium-106	-3.01E+00	4.64E+00	1.43E+01		4.69E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Ruthenium-106	-5.19E+00	3.73E+00	1.21E+01		3.92E+00	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Ruthenium-106	3.16E+00	4.63E+00	1.55E+01		4.68E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Ruthenium-106	-6.35E-01	3.72E+00	1.21E+01		3.73E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Ruthenium-106	-4.54E-01	3.70E+00	1.20E+01		3.70E+00	pCi/L	U

DW-2(433670006) - Drinking Water	26-Sep-17	Ruthenium-106	1.19E+00	4.21E+00	1.39E+01		4.22E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Ruthenium-106	4.56E+00	3.39E+00	1.18E+01		3.56E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Ruthenium-106	1.08E+01	4.40E+00	1.57E+01		5.08E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Ruthenium-106	2.00E+00	3.38E+00	1.14E+01		3.41E+00	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Selenium-75	2.20E-01	5.32E-01	1.83E+00		5.34E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Selenium-75	9.37E-01	5.90E-01	2.08E+00		6.29E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Selenium-75	7.83E-01	6.08E-01	1.96E+00		6.35E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Selenium-75	-3.37E-01	6.57E-01	2.19E+00		6.62E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Selenium-75	-2.55E-01	5.88E-01	1.94E+00		5.91E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Selenium-75	4.96E-01	6.57E-01	2.25E+00		6.67E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Selenium-75	2.03E-01	5.21E-01	1.81E+00		5.24E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Selenium-75	5.51E-01	5.41E-01	1.88E+00		5.56E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Selenium-75	-6.90E-01	6.42E-01	1.94E+00		6.62E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Selenium-75	2.22E-01	5.14E-01	1.64E+00		5.17E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Selenium-75	2.11E+00	9.01E-01	2.11E+00		1.04E+00	pCi/L	UI
DW-2(440782003) - Drinking Water	27-Dec-17	Selenium-75	2.15E-01	5.21E-01	1.66E+00		5.24E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Silver-108m	-4.03E-01	3.81E-01	1.22E+00		3.93E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Silver-108m	-2.69E-01	4.52E-01	1.46E+00		4.56E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Silver-108m	-5.41E-01	3.93E-01	1.27E+00		4.12E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Silver-108m	-1.84E-01	4.78E-01	1.54E+00		4.80E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Silver-108m	4.77E-01	3.91E-01	1.31E+00		4.07E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Silver-108m	-6.96E-01	4.73E-01	1.50E+00		5.00E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Silver-108m	-4.36E-01	3.38E-01	1.09E+00		3.53E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Silver-108m	-6.54E-01	3.61E-01	1.14E+00		3.92E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Silver-108m	-1.33E-01	4.49E-01	1.33E+00		4.50E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Silver-108m	3.00E-01	3.09E-01	1.08E+00		3.17E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Silver-108m	-9.45E-01	4.28E-01	1.34E+00		4.82E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Silver-108m	1.46E-01	3.12E-01	1.07E+00		3.14E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Silver-110m	-2.94E-02	5.87E-01	1.98E+00		5.87E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Silver-110m	1.26E+00	7.36E-01	2.64E+00		7.93E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Silver-110m	-1.72E-01	8.51E-01	1.89E+00		8.52E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Silver-110m	-1.71E+00	6.63E-01	1.95E+00		7.72E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Silver-110m	-8.49E-01	5.74E-01	1.79E+00		6.07E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Silver-110m	2.37E+00	8.03E-01	2.39E+00		9.73E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Silver-110m	1.48E-01	5.64E-01	1.82E+00		5.65E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Silver-110m	6.86E-01	5.74E-01	1.74E+00		5.96E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Silver-110m	3.77E-01	6.32E-01	2.20E+00		6.39E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Silver-110m	-1.21E-01	5.25E-01	1.68E+00		5.25E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Silver-110m	5.38E-01	6.36E-01	2.24E+00		6.48E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Silver-110m	-8.76E-01	5.07E-01	1.50E+00		5.47E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Strontium-89	-4.93E-01	3.48E-01	1.31E+00	1.00E+01	5.17E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Strontium-89	-1.02E+00	2.23E-01	1.12E+00	1.00E+01	4.19E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Strontium-89	-1.62E+00	4.63E-01	1.89E+00	1.00E+01	5.70E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Strontium-89	-1.19E+00	4.06E-01	1.17E+00	1.00E+01	1.01E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Strontium-89	-1.48E+00	4.27E-01	1.79E+00	1.00E+01	5.73E-01	pCi/L	U

DW-2(426512003) - Drinking Water	27-Jun-17	Strontium-89	-1.06E+00	2.31E-01	1.25E+00	1.00E+01	5.63E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Strontium-89	-1.17E+00	2.88E-01	1.34E+00	1.00E+01	4.55E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Strontium-89	9.38E-01	5.52E-01	1.62E+00	1.00E+01	6.33E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Strontium-89	-8.27E-01	2.67E-01	1.20E+00	1.00E+01	4.93E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Strontium-89	3.61E-01	4.68E-01	1.43E+00	1.00E+01	6.57E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Strontium-89	-1.05E+00	2.03E-01	1.10E+00	1.00E+01	2.80E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Strontium-89	-1.59E+00	2.39E-01	1.30E+00	1.00E+01	5.10E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Strontium-90	9.12E-01	3.35E-01	1.72E+00	2.00E+00	5.93E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Strontium-90	5.27E-01	3.00E-01	1.31E+00	2.00E+00	4.54E-01	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Strontium-90	1.84E-01	3.02E-01	1.68E+00	2.00E+00	5.26E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Strontium-90	8.63E-01	7.39E-01	1.68E+00	2.00E+00	1.12E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Strontium-90	8.35E-01	3.21E-01	1.81E+00	2.00E+00	5.99E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Strontium-90	-2.13E-01	4.25E-01	1.45E+00	2.00E+00	4.25E-01	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Strontium-90	-7.45E-01	2.69E-01	1.37E+00	2.00E+00	3.48E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Strontium-90	-2.62E-01	3.55E-01	1.56E+00	2.00E+00	4.45E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Strontium-90	7.78E-02	3.32E-01	1.73E+00	2.00E+00	5.31E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Strontium-90	-1.78E-01	3.34E-01	1.52E+00	2.00E+00	4.50E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Strontium-90	4.55E-01	1.46E-01	5.94E-01	2.00E+00	1.95E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Strontium-90	9.67E-01	3.76E-01	1.43E+00	2.00E+00	5.13E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Thorium-228	-7.66E-01	1.45E+00	3.23E+00		1.46E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Thorium-228	-4.12E-02	1.40E+00	3.51E+00		1.40E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Thorium-228	-1.36E+00	1.32E+00	3.10E+00		1.36E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Thorium-228	-2.44E+00	1.70E+00	3.82E+00		1.79E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Thorium-228	3.31E+00	1.59E+00	3.31E+00		1.78E+00	pCi/L	UI
DW-2(426512003) - Drinking Water	27-Jun-17	Thorium-228	2.37E+00	2.10E+00	3.06E+00		2.10E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Thorium-228	2.89E+00	1.61E+00	3.17E+00		1.74E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Thorium-228	1.20E+00	1.54E+00	2.87E+00		1.57E+00	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Thorium-228	1.56E+00	1.64E+00	2.64E+00		1.64E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Thorium-228	1.18E+00	1.39E+00	2.28E+00		1.39E+00	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Thorium-228	2.77E+00	1.83E+00	2.77E+00		1.84E+00	pCi/L	UI
DW-2(440782003) - Drinking Water	27-Dec-17	Thorium-228	5.09E-01	1.36E+00	2.20E+00		1.36E+00	pCi/L	U
DW-2(423146003) - Drinking Water	28-Mar-17	Tritium	2.87E-01	1.39E-01	4.25E-01	5.00E-01	1.42E-01	pCi/mL	U
DW-2(429795003) - Drinking Water	27-Jun-17	Tritium	-1.57E-01	1.15E-01	3.97E-01	5.00E-01	1.15E-01	pCi/mL	U
DW-2(436538006) - Drinking Water	26-Sep-17	Tritium	1.57E-01	9.14E-02	2.88E-01	5.00E-01	9.27E-02	pCi/mL	U
DW-2(441665003) - Drinking Water	27-Dec-17	Tritium	1.68E-01	1.15E-01	3.58E-01	5.00E-01	1.16E-01	pCi/mL	U
DW-2(415431003) - Drinking Water	31-Jan-17	Zinc-65	-1.97E+00	9.75E-01	2.94E+00	3.00E+01	1.08E+00	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Zinc-65	-2.57E-01	1.22E+00	3.96E+00	3.00E+01	1.22E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Zinc-65	-4.98E-01	7.80E-01	2.54E+00	3.00E+01	7.88E-01	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Zinc-65	2.25E+00	1.19E+00	3.83E+00	3.00E+01	1.30E+00	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Zinc-65	6.94E-01	9.46E-01	3.18E+00	3.00E+01	9.60E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Zinc-65	-1.01E+00	1.08E+00	3.22E+00	3.00E+01	1.10E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Zinc-65	-1.07E+00	1.31E+00	2.58E+00	3.00E+01	1.33E+00	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Zinc-65	3.72E-01	8.44E-01	2.88E+00	3.00E+01	8.48E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Zinc-65	6.52E-01	1.11E+00	3.40E+00	3.00E+01	1.12E+00	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Zinc-65	-6.62E-01	7.57E-01	2.28E+00	3.00E+01	7.72E-01	pCi/L	U

DW-2(438794003) - Drinking Water	28-Nov-17	Zinc-65	1.18E+00	1.03E+00	3.27E+00	3.00E+01	1.07E+00	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Zinc-65	1.42E+00	8.78E-01	2.78E+00	3.00E+01	9.39E-01	pCi/L	U
DW-2(415431003) - Drinking Water	31-Jan-17	Zirconium-95	-8.12E-01	8.57E-01	2.61E+00	1.50E+01	8.78E-01	pCi/L	U
DW-2(417560003) - Drinking Water	28-Feb-17	Zirconium-95	-1.87E+00	1.06E+00	3.35E+00	1.50E+01	1.15E+00	pCi/L	U
DW-2(419472003) - Drinking Water	28-Mar-17	Zirconium-95	1.34E+00	1.34E+00	2.46E+00	1.50E+01	1.38E+00	pCi/L	U
DW-2(421490003) - Drinking Water	25-Apr-17	Zirconium-95	-5.53E-01	8.95E-01	2.94E+00	1.50E+01	9.04E-01	pCi/L	U
DW-2(424437003) - Drinking Water	30-May-17	Zirconium-95	7.67E-01	7.47E-01	2.59E+00	1.50E+01	7.69E-01	pCi/L	U
DW-2(426512003) - Drinking Water	27-Jun-17	Zirconium-95	-3.58E-01	1.01E+00	3.21E+00	1.50E+01	1.01E+00	pCi/L	U
DW-2(428888003) - Drinking Water	25-Jul-17	Zirconium-95	1.08E+00	6.93E-01	2.39E+00	1.50E+01	7.38E-01	pCi/L	U
DW-2(431777003) - Drinking Water	29-Aug-17	Zirconium-95	-8.34E-01	7.48E-01	2.29E+00	1.50E+01	7.73E-01	pCi/L	U
DW-2(433670006) - Drinking Water	26-Sep-17	Zirconium-95	5.72E-03	9.68E-01	2.96E+00	1.50E+01	9.68E-01	pCi/L	U
DW-2(436755003) - Drinking Water	31-Oct-17	Zirconium-95	-1.50E-01	6.88E-01	2.23E+00	1.50E+01	6.89E-01	pCi/L	U
DW-2(438794003) - Drinking Water	28-Nov-17	Zirconium-95	-7.38E-02	7.93E-01	2.53E+00	1.50E+01	7.93E-01	pCi/L	U
DW-2(440782003) - Drinking Water	27-Dec-17	Zirconium-95	-1.39E+00	1.12E+00	2.34E+00	1.50E+01	1.16E+00	pCi/L	U

F-1 Bluegill
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 Bluegill(438019002) - Fish	6-Oct-17	Actinium-228	1.50E-01	6.80E-02	1.50E-01		8.34E-02	pCi/g	UI
F-1 Bluegill(438019002) - Fish	6-Oct-17	Antimony-124	-2.77E-02	3.50E-02	1.02E-01		3.56E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Antimony-125	-5.19E-03	2.64E-02	7.68E-02		2.64E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Barium-140	-7.93E-01	3.99E-01	1.07E+00		4.40E-01	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Beryllium-7	-4.55E-02	1.06E-01	3.36E-01		1.06E-01	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cerium-141	2.74E-02	3.97E-02	7.77E-02		3.97E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cerium-144	1.30E-01	7.49E-02	1.35E-01		7.51E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cesium-134	6.39E-03	1.02E-02	3.35E-02	1.30E-01	1.03E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cesium-137	8.94E-03	1.67E-02	3.06E-02	1.50E-01	1.67E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Chromium-51	-1.67E-01	1.73E-01	5.55E-01		1.78E-01	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cobalt-57	-8.66E-04	5.96E-03	1.87E-02		5.96E-03	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cobalt-58	8.71E-03	1.31E-02	4.32E-02	1.30E-01	1.32E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Cobalt-60	-1.98E-02	1.19E-02	2.90E-02	1.30E-01	1.27E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Iodine-131	2.81E-01	3.69E-01	1.26E+00		3.75E-01	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Iron-59	-2.18E-02	3.25E-02	1.02E-01	2.60E-01	3.29E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Lanthanum-140	-1.12E-01	1.00E-01	2.74E-01		1.04E-01	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Manganese-54	3.65E-03	8.75E-03	2.84E-02	1.30E-01	8.79E-03	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Niobium-95	3.18E-03	1.40E-02	4.49E-02		1.40E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Potassium-40	3.23E+00	3.09E-01	3.04E-01		3.53E-01	pCi/g	
F-1 Bluegill(438019002) - Fish	6-Oct-17	Ruthenium-103	-6.55E-04	1.59E-02	5.16E-02		1.59E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Ruthenium-106	8.16E-02	8.46E-02	2.86E-01		8.68E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Selenium-75	-5.25E-03	1.29E-02	3.84E-02		1.30E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Silver-108m	2.15E-03	7.84E-03	2.49E-02		7.85E-03	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Silver-110m	-2.45E-02	1.43E-02	3.84E-02		1.54E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Strontium-89	-1.96E-01	3.88E-02	1.90E-01	3.00E-01	6.30E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Strontium-90	5.86E-03	1.82E-02	1.02E-01	3.00E-01	3.16E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Thorium-228	8.74E-03	2.27E-02	5.24E-02		2.28E-02	pCi/g	U

F-1 Bluegill(438019002) - Fish	6-Oct-17	Zinc-65	2.52E-02	2.24E-02	7.96E-02	2.60E-01	2.32E-02	pCi/g	U
F-1 Bluegill(438019002) - Fish	6-Oct-17	Zirconium-95	-2.27E-02	2.62E-02	7.81E-02		2.68E-02	pCi/g	U

F-1 CH Cat
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 CH Cat(424745003) - Fish	23-May-17	Actinium-228	6.29E-03	1.42E-02	4.42E-02		1.43E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Antimony-124	6.01E-03	7.16E-03	2.63E-02		7.30E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Antimony-125	-4.48E-04	7.16E-03	2.32E-02		7.16E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Barium-140	1.24E-02	2.40E-02	8.05E-02		2.42E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Beryllium-7	6.59E-02	2.96E-02	1.09E-01		3.33E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cerium-141	4.69E-03	4.93E-03	1.72E-02		5.05E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cerium-144	-2.02E-03	1.71E-02	5.16E-02		1.71E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cesium-134	-1.77E-03	3.27E-03	1.07E-02	1.30E-01	3.29E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cesium-137	1.71E-03	2.76E-03	9.32E-03	1.50E-01	2.79E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Chromium-51	-1.65E-02	3.31E-02	1.06E-01		3.33E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cobalt-57	2.93E-04	2.19E-03	7.43E-03		2.19E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cobalt-58	-1.01E-03	3.31E-03	1.10E-02	1.30E-01	3.32E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Cobalt-60	2.77E-03	2.38E-03	8.55E-03	1.30E-01	2.46E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Iodine-131	-7.41E-03	1.01E-02	3.13E-02		1.02E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Iron-59	-1.18E-02	7.09E-03	1.99E-02	2.60E-01	7.60E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Lanthanum-140	-9.29E-04	7.87E-03	2.54E-02		7.87E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Manganese-54	1.62E-03	2.91E-03	1.03E-02	1.30E-01	2.93E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Niobium-95	1.07E-03	3.73E-03	1.19E-02		3.74E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Potassium-40	2.85E+00	1.48E-01	1.16E-01		1.67E-01	pCi/g	
F-1 CH Cat(424745003) - Fish	23-May-17	Ruthenium-103	3.98E-03	3.22E-03	1.14E-02		3.35E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Ruthenium-106	-2.04E-02	2.56E-02	7.60E-02		2.60E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Selenium-75	6.32E-03	3.18E-03	1.17E-02		3.50E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Silver-108m	6.78E-03	2.50E-03	9.48E-03		2.95E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Silver-110m	-1.07E-03	4.07E-03	1.35E-02		4.07E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Strontium-89	-1.01E-02	6.17E-02	2.06E-01	3.00E-01	9.21E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Strontium-90	8.29E-03	3.09E-02	1.35E-01	3.00E-01	4.16E-02	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Thorium-228	4.07E-03	9.15E-03	1.69E-02		9.20E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Zinc-65	-3.97E-03	9.56E-03	2.70E-02	2.60E-01	9.60E-03	pCi/g	U
F-1 CH Cat(424745003) - Fish	23-May-17	Zirconium-95	7.02E-03	5.52E-03	1.96E-02		5.75E-03	pCi/g	U

F-1 Large Mouth Bass
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Actinium-228	3.37E-02	3.91E-02	1.21E-01		3.99E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Antimony-124	-3.92E-03	2.52E-02	8.28E-02		2.52E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Antimony-125	1.50E-02	1.91E-02	6.50E-02		1.94E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Barium-140	-7.78E-01	4.01E-01	8.77E-01		4.41E-01	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Beryllium-7	7.76E-03	1.01E-01	3.30E-01		1.01E-01	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cerium-141	-2.09E-02	2.31E-02	7.12E-02		2.36E-02	pCi/g	U

F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cerium-144	-6.71E-02	3.96E-02	1.19E-01		4.26E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cesium-134	6.20E-03	8.46E-03	2.95E-02	1.30E-01	8.58E-03	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cesium-137	1.44E-02	7.77E-03	2.22E-02	1.50E-01	8.47E-03	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Chromium-51	2.96E-02	1.52E-01	5.13E-01		1.52E-01	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cobalt-57	3.29E-03	4.86E-03	1.59E-02		4.92E-03	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cobalt-58	4.02E-03	1.10E-02	3.76E-02	1.30E-01	1.10E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Cobalt-60	-3.82E-03	8.15E-03	2.53E-02	1.30E-01	8.20E-03	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Iodine-131	1.14E-01	3.29E-01	1.11E+00		3.30E-01	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Iron-59	1.54E-03	2.70E-02	8.90E-02	2.60E-01	2.70E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Lanthanum-140	1.04E-01	8.90E-02	3.17E-01		9.22E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Manganese-54	4.76E-03	9.16E-03	2.64E-02	1.30E-01	9.23E-03	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Niobium-95	-1.89E-03	1.41E-02	3.78E-02		1.41E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Potassium-40	3.20E+00	2.62E-01	2.13E-01		3.05E-01	pCi/g	
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Ruthenium-103	1.45E-02	1.33E-02	4.58E-02		1.38E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Ruthenium-106	-1.88E-02	7.80E-02	2.46E-01		7.82E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Selenium-75	1.53E-02	1.68E-02	3.68E-02		1.71E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Silver-108m	-7.94E-03	6.24E-03	1.93E-02		6.51E-03	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Silver-110m	4.41E-03	1.13E-02	3.86E-02		1.13E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Strontium-89	-2.36E-01	3.21E-02	1.84E-01	3.00E-01	6.08E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Strontium-90	-8.27E-02	1.97E-02	1.34E-01	3.00E-01	3.41E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Thorium-228	8.39E-03	1.71E-02	4.43E-02		1.72E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Zinc-65	2.43E-02	1.85E-02	4.93E-02	2.60E-01	1.86E-02	pCi/g	U
F-1 Large Mouth Bass(438019003) - Fish	6-Oct-17	Zirconium-95	6.13E-03	2.31E-02	7.38E-02		2.31E-02	pCi/g	U

F-1 N.Pike
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 N.Pike(438019005) - Fish	6-Oct-17	Actinium-228	-1.09E-03	1.18E-02	3.91E-02		1.18E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Antimony-124	-4.07E-03	1.00E-02	3.07E-02		1.00E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Antimony-125	3.93E-03	6.10E-03	2.11E-02		6.17E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Barium-140	-3.29E-02	9.60E-02	3.07E-01		9.63E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Beryllium-7	-8.28E-03	3.07E-02	9.94E-02		3.07E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cerium-141	-3.41E-03	8.74E-03	2.72E-02		8.77E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cerium-144	7.61E-04	1.45E-02	4.63E-02		1.45E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cesium-134	3.01E-03	2.93E-03	1.02E-02	1.30E-01	3.01E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cesium-137	1.59E-04	3.22E-03	1.05E-02	1.50E-01	3.22E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Chromium-51	-1.79E-02	5.37E-02	1.78E-01		5.39E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cobalt-57	5.25E-05	1.71E-03	5.45E-03		1.71E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cobalt-58	-6.94E-03	4.15E-03	1.12E-02	1.30E-01	4.45E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Cobalt-60	-3.44E-03	2.82E-03	8.06E-03	1.30E-01	2.94E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Iodine-131	-1.22E-01	1.15E-01	3.63E-01		1.18E-01	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Iron-59	-1.36E-02	1.07E-02	3.20E-02	2.60E-01	1.11E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Lanthanum-140	-2.60E-02	3.01E-02	8.44E-02		3.07E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Manganese-54	-2.90E-03	3.01E-03	8.78E-03	1.30E-01	3.08E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Niobium-95	5.64E-03	4.54E-03	1.58E-02		4.73E-03	pCi/g	U

F-1 N.Pike(438019005) - Fish	6-Oct-17	Potassium-40	3.84E+00	1.55E-01	4.89E-02		2.41E-01	pCi/g	
F-1 N.Pike(438019005) - Fish	6-Oct-17	Ruthenium-103	-9.38E-03	4.75E-03	1.34E-02		5.23E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Ruthenium-106	1.81E-02	2.19E-02	7.59E-02		2.23E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Selenium-75	-5.63E-03	3.94E-03	1.17E-02		4.15E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Silver-108m	-4.05E-03	2.19E-03	6.46E-03		2.39E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Silver-110m	-3.74E-03	4.34E-03	1.27E-02		4.42E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Strontium-89	-3.05E-01	3.47E-02	2.02E-01	3.00E-01	5.92E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Strontium-90	-3.26E-02	1.80E-02	1.12E-01	3.00E-01	3.12E-02	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Thorium-228	4.55E-03	5.46E-03	1.56E-02		5.56E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Zinc-65	-1.14E-02	9.26E-03	2.40E-02	2.60E-01	9.64E-03	pCi/g	U
F-1 N.Pike(438019005) - Fish	6-Oct-17	Zirconium-95	-4.94E-03	7.35E-03	2.19E-02		7.44E-03	pCi/g	U

F-1 Rock Bass
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 Rock Bass(424745001) - Fish	9-May-17	Actinium-228	-1.49E-01	9.82E-02	2.91E-01		1.04E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Actinium-228	1.11E-01	6.43E-02	1.19E-01		6.95E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Antimony-124	-3.94E-02	5.87E-02	1.79E-01		5.94E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Antimony-124	1.05E-02	2.59E-02	7.88E-02		2.61E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Antimony-125	-4.28E-03	4.73E-02	1.51E-01		4.73E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Antimony-125	-2.31E-03	1.62E-02	5.39E-02		1.62E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Barium-140	2.29E-01	3.22E-01	1.13E+00		3.27E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Barium-140	1.80E-01	2.87E-01	8.93E-01		2.91E-01	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Beryllium-7	2.89E-01	2.04E-01	7.04E-01		2.15E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Beryllium-7	-1.08E-01	1.05E-01	3.32E-01		1.08E-01	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cerium-141	-7.87E-02	4.01E-02	1.10E-01		4.41E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cerium-141	4.57E-02	3.96E-02	5.94E-02		3.97E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cerium-144	-5.24E-02	8.78E-02	2.73E-01		8.86E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cerium-144	1.38E-02	3.08E-02	1.03E-01		3.09E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cesium-134	2.58E-03	2.04E-02	6.69E-02	1.30E-01	2.05E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cesium-134	-2.27E-03	1.09E-02	3.12E-02	1.30E-01	1.09E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cesium-137	-8.44E-03	2.01E-02	6.47E-02	1.50E-01	2.02E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cesium-137	1.14E-02	8.11E-03	2.85E-02	1.50E-01	8.55E-03	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Chromium-51	-3.14E-02	2.78E-01	9.12E-01		2.79E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Chromium-51	1.49E-02	1.56E-01	4.87E-01		1.56E-01	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cobalt-57	-1.95E-02	1.18E-02	3.47E-02		1.26E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cobalt-57	-6.10E-04	3.72E-03	1.22E-02		3.72E-03	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cobalt-58	1.78E-02	2.37E-02	8.08E-02	1.30E-01	2.40E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cobalt-58	1.75E-02	1.15E-02	4.06E-02	1.30E-01	1.23E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Cobalt-60	-1.62E-03	2.53E-02	8.17E-02	1.30E-01	2.53E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Cobalt-60	8.19E-03	7.10E-03	2.41E-02	1.30E-01	7.35E-03	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Iodine-131	5.28E-01	2.15E-01	7.92E-01		2.48E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Iodine-131	-1.03E-01	3.68E-01	1.02E+00		3.69E-01	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Iron-59	-8.11E-02	5.79E-02	1.69E-01	2.60E-01	6.10E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Iron-59	-2.50E-03	2.87E-02	9.51E-02	2.60E-01	2.87E-02	pCi/g	U

F-1 Rock Bass(424745001) - Fish	9-May-17	Lanthanum-140	-6.81E-02	1.21E-01	3.82E-01		1.23E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Lanthanum-140	3.96E-02	7.68E-02	2.66E-01		7.74E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Manganese-54	4.42E-02	2.01E-02	7.45E-02	1.30E-01	2.27E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Manganese-54	1.01E-04	8.96E-03	2.54E-02	1.30E-01	8.96E-03	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Niobium-95	2.93E-02	2.26E-02	8.05E-02		2.36E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Niobium-95	2.74E-02	1.18E-02	4.33E-02		1.34E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Potassium-40	2.80E+00	5.59E-01	7.19E-01		5.73E-01	pCi/g	
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Potassium-40	2.89E+00	2.87E-01	2.36E-01		3.15E-01	pCi/g	
F-1 Rock Bass(424745001) - Fish	9-May-17	Ruthenium-103	1.68E-02	2.38E-02	8.40E-02		2.41E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Ruthenium-103	3.14E-03	1.21E-02	4.08E-02		1.21E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Ruthenium-106	2.88E-02	1.85E-01	6.19E-01		1.85E-01	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Ruthenium-106	-7.67E-02	7.48E-02	2.30E-01		7.69E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Selenium-75	3.30E-02	2.16E-02	7.76E-02		2.30E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Selenium-75	1.58E-02	9.76E-03	3.31E-02		1.05E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Silver-108m	1.81E-02	1.37E-02	4.77E-02		1.44E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Silver-108m	4.80E-03	5.63E-03	1.97E-02		5.74E-03	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Silver-110m	1.52E-02	2.58E-02	8.67E-02		2.60E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Silver-110m	-2.16E-02	1.15E-02	3.03E-02		1.26E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Strontium-89	-2.10E-01	4.50E-02	2.01E-01	3.00E-01	6.13E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Strontium-89	-1.87E-01	4.16E-02	1.87E-01	3.00E-01	6.37E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Strontium-90	-6.69E-02	1.90E-02	1.19E-01	3.00E-01	3.01E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Strontium-90	3.42E-02	1.95E-02	1.01E-01	3.00E-01	3.38E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Thorium-228	1.46E-02	5.07E-02	8.75E-02		5.07E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Thorium-228	-5.56E-03	1.40E-02	3.94E-02		1.41E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Zinc-65	5.00E-02	4.55E-02	1.63E-01	2.60E-01	4.70E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Zinc-65	2.86E-02	1.87E-02	6.87E-02	2.60E-01	1.99E-02	pCi/g	U
F-1 Rock Bass(424745001) - Fish	9-May-17	Zirconium-95	1.85E-04	3.98E-02	1.30E-01		3.98E-02	pCi/g	U
F-1 Rock Bass(438019004) - Fish	6-Oct-17	Zirconium-95	-4.41E-02	2.14E-02	5.84E-02		2.39E-02	pCi/g	U

F-1 W. Perch
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 W. Perch(424745002) - Fish	9-May-17	Actinium-228	-4.43E-03	1.49E-02	4.94E-02		1.49E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Antimony-124	1.06E-04	9.48E-03	3.08E-02		9.48E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Antimony-125	1.41E-02	7.77E-03	2.88E-02		8.42E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Barium-140	2.73E-02	5.25E-02	1.80E-01		5.29E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Beryllium-7	-3.77E-02	3.32E-02	8.70E-02		3.43E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cerium-141	-1.70E-02	7.25E-03	2.07E-02		8.24E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cerium-144	-1.51E-02	1.70E-02	5.29E-02		1.74E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cesium-134	2.66E-03	2.77E-03	9.82E-03	1.30E-01	2.84E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cesium-137	-8.43E-04	4.02E-03	1.39E-02	1.50E-01	4.02E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Chromium-51	-2.53E-02	4.25E-02	1.41E-01		4.29E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cobalt-57	1.29E-03	2.05E-03	6.89E-03		2.08E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cobalt-58	2.57E-03	3.60E-03	1.23E-02	1.30E-01	3.64E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Cobalt-60	1.04E-03	3.63E-03	1.10E-02	1.30E-01	3.64E-03	pCi/g	U

F-1 W. Perch(424745002) - Fish	9-May-17	Iodine-131	1.95E-02	3.62E-02	1.26E-01		3.65E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Iron-59	2.61E-03	1.04E-02	3.55E-02	2.60E-01	1.04E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Lanthanum-140	-8.82E-03	1.39E-02	3.98E-02		1.40E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Manganese-54	3.29E-03	3.33E-03	1.16E-02	1.30E-01	3.42E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Niobium-95	-3.03E-03	4.05E-03	1.22E-02		4.11E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Potassium-40	2.74E+00	1.45E-01	5.82E-02		1.62E-01	pCi/g	
F-1 W. Perch(424745002) - Fish	9-May-17	Ruthenium-103	-3.12E-03	4.73E-03	1.50E-02		4.79E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Ruthenium-106	2.74E-02	2.84E-02	9.59E-02		2.91E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Selenium-75	-8.90E-04	3.98E-03	1.22E-02		3.98E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Silver-108m	-1.11E-03	2.67E-03	8.72E-03		2.68E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Silver-110m	-8.32E-03	4.47E-03	1.13E-02		4.87E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Strontium-89	1.41E-01	8.38E-02	2.43E-01	3.00E-01	1.23E-01	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Strontium-90	3.63E-02	3.57E-02	1.50E-01	3.00E-01	4.80E-02	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Thorium-228	1.11E-03	8.15E-03	1.56E-02		8.15E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Zinc-65	-5.63E-03	7.00E-03	2.18E-02	2.60E-01	7.12E-03	pCi/g	U
F-1 W. Perch(424745002) - Fish	9-May-17	Zirconium-95	-7.74E-03	7.16E-03	2.07E-02		7.38E-03	pCi/g	U

F-1 Walleye
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 Walleye(438019006) - Fish	6-Oct-17	Actinium-228	6.73E-02	2.92E-02	1.04E-01		3.32E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Antimony-124	6.90E-03	2.34E-02	8.25E-02		2.34E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Antimony-125	2.67E-02	1.68E-02	6.32E-02		1.79E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Barium-140	4.10E-02	2.19E-01	7.35E-01		2.19E-01	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Beryllium-7	2.65E-02	9.85E-02	3.35E-01		9.87E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cerium-141	-2.14E-02	2.01E-02	6.21E-02		2.07E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cerium-144	1.34E-02	3.45E-02	1.18E-01		3.47E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cesium-134	1.70E-02	9.64E-03	2.98E-02	1.30E-01	1.04E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cesium-137	-9.30E-03	9.53E-03	2.55E-02	1.50E-01	9.77E-03	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Chromium-51	1.60E-01	1.42E-01	5.21E-01		1.46E-01	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cobalt-57	-6.26E-03	5.10E-03	1.59E-02		5.30E-03	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cobalt-58	2.24E-03	8.39E-03	2.94E-02	1.30E-01	8.41E-03	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Cobalt-60	1.72E-02	9.71E-03	3.78E-02	1.30E-01	1.05E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Iodine-131	1.57E-01	3.02E-01	1.03E+00		3.04E-01	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Iron-59	-1.03E-02	3.76E-02	1.05E-01	2.60E-01	3.76E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Lanthanum-140	7.92E-02	1.17E-01	4.25E-01		1.18E-01	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Manganese-54	6.48E-03	8.42E-03	3.04E-02	1.30E-01	8.56E-03	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Niobium-95	6.99E-03	9.99E-03	3.45E-02		1.01E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Potassium-40	3.09E+00	3.00E-01	1.55E-01		3.43E-01	pCi/g	
F-1 Walleye(438019006) - Fish	6-Oct-17	Ruthenium-103	-7.69E-03	1.24E-02	3.85E-02		1.25E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Ruthenium-106	-2.82E-03	7.30E-02	2.37E-01		7.30E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Selenium-75	-6.66E-04	1.14E-02	3.58E-02		1.14E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Silver-108m	-4.39E-04	5.52E-03	1.84E-02		5.52E-03	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Silver-110m	8.39E-04	1.18E-02	4.02E-02		1.18E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Strontium-89	-2.30E-01	3.65E-02	1.91E-01	3.00E-01	5.92E-02	pCi/g	U

F-1 Walleye(438019006) - Fish	6-Oct-17	Strontium-90	-1.45E-02	2.03E-02	1.20E-01	3.00E-01	3.52E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Thorium-228	4.02E-03	1.38E-02	4.35E-02		1.39E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Zinc-65	2.98E-02	1.13E-02	7.39E-02	2.60E-01	1.13E-02	pCi/g	U
F-1 Walleye(438019006) - Fish	6-Oct-17	Zirconium-95	-2.21E-03	1.97E-02	6.18E-02		1.97E-02	pCi/g	U

F-1 Yellow Perch
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Actinium-228	-7.45E-02	4.79E-02	1.17E-01		5.11E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Antimony-124	4.06E-02	4.47E-02	1.60E-01		4.57E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Antimony-125	2.38E-02	1.95E-02	7.09E-02		2.03E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Barium-140	-1.96E-01	3.33E-01	1.07E+00		3.37E-01	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Beryllium-7	2.90E-02	1.06E-01	3.30E-01		1.07E-01	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cerium-141	-2.32E-02	1.64E-02	5.17E-02		1.73E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cerium-144	-3.91E-02	2.74E-02	8.65E-02		2.89E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cesium-134	-4.35E-03	1.16E-02	3.58E-02	1.30E-01	1.16E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cesium-137	2.83E-02	1.85E-02	2.83E-02	1.50E-01	1.86E-02	pCi/g	UI
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Chromium-51	3.90E-02	1.54E-01	4.93E-01		1.54E-01	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cobalt-57	1.48E-04	3.27E-03	1.12E-02		3.27E-03	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cobalt-58	2.44E-02	1.40E-02	5.17E-02	1.30E-01	1.52E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Cobalt-60	-8.17E-03	1.02E-02	2.96E-02	1.30E-01	1.04E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Iodine-131	5.40E-01	3.37E-01	1.16E+00		3.60E-01	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Iron-59	-5.72E-02	3.81E-02	1.08E-01	2.60E-01	4.04E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Lanthanum-140	1.58E-01	9.58E-02	4.00E-01		1.03E-01	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Manganese-54	-1.75E-02	9.70E-03	2.46E-02	1.30E-01	1.05E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Niobium-95	-8.45E-03	1.31E-02	3.93E-02		1.32E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Potassium-40	3.51E+00	3.14E-01	3.96E-01		3.53E-01	pCi/g	
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Ruthenium-103	-6.41E-04	1.61E-02	5.39E-02		1.61E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Ruthenium-106	6.37E-02	7.54E-02	2.64E-01		7.69E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Selenium-75	7.91E-03	1.01E-02	3.38E-02		1.03E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Silver-108m	1.00E-03	5.42E-03	1.86E-02		5.43E-03	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Silver-110m	4.50E-03	1.22E-02	4.05E-02		1.23E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Strontium-89	-1.53E-01	3.94E-02	1.82E-01	3.00E-01	6.10E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Strontium-90	-3.04E-02	1.81E-02	1.13E-01	3.00E-01	3.13E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Thorium-228	1.57E-02	1.39E-02	3.94E-02		1.43E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Zinc-65	-3.87E-03	2.23E-02	7.28E-02	2.60E-01	2.23E-02	pCi/g	U
F-1 Yellow Perch(438019001) - Fish	6-Oct-17	Zirconium-95	-1.42E-02	2.54E-02	7.75E-02		2.56E-02	pCi/g	U

F-2 Longnose Gar
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Actinium-228	3.82E-02	1.56E-02	5.25E-02		1.79E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Antimony-124	6.19E-03	7.02E-03	2.77E-02		7.17E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Antimony-125	1.06E-02	7.97E-03	2.92E-02		8.35E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Barium-140	5.51E-02	7.20E-02	2.56E-01		7.31E-02	pCi/g	U

F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Beryllium-7	-4.29E-02	3.62E-02	1.11E-01		3.76E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cerium-141	2.71E-03	7.65E-03	2.39E-02		7.68E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cerium-144	-8.99E-03	1.59E-02	5.14E-02		1.60E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cesium-134	9.53E-04	4.05E-03	1.34E-02	1.30E-01	4.05E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cesium-137	-1.37E-03	3.31E-03	1.05E-02	1.50E-01	3.32E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Chromium-51	6.62E-02	4.68E-02	1.55E-01		4.93E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cobalt-57	3.53E-04	2.17E-03	7.29E-03		2.17E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cobalt-58	5.36E-03	4.18E-03	1.53E-02	1.30E-01	4.36E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Cobalt-60	-1.01E-02	4.20E-03	1.01E-02	1.30E-01	4.82E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Iodine-131	-1.79E-01	7.09E-02	2.05E-01		8.24E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Iron-59	1.85E-02	1.70E-02	4.60E-02	2.60E-01	1.75E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Lanthanum-140	-2.12E-02	3.64E-02	1.10E-01		3.67E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Manganese-54	1.79E-03	3.40E-03	1.15E-02	1.30E-01	3.42E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Niobium-95	3.94E-03	4.97E-03	1.72E-02		5.06E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Potassium-40	2.28E+00	1.52E-01	9.21E-02		1.83E-01	pCi/g	
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Ruthenium-103	3.53E-04	4.84E-03	1.63E-02		4.84E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Ruthenium-106	6.88E-03	3.07E-02	1.03E-01		3.07E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Selenium-75	3.76E-03	4.10E-03	1.37E-02		4.19E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Silver-108m	1.46E-03	2.28E-03	8.07E-03		2.30E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Silver-110m	1.81E-03	4.79E-03	1.60E-02		4.81E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Strontium-89	-3.19E-01	4.11E-02	2.43E-01	3.00E-01	9.03E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Strontium-90	-6.15E-02	3.54E-02	2.21E-01	3.00E-01	6.13E-02	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Thorium-228	-4.82E-03	5.82E-03	1.80E-02		5.92E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Zinc-65	-1.85E-03	9.33E-03	3.10E-02	2.60E-01	9.34E-03	pCi/g	U
F-2 Longnose Gar(438019010) - Fish	13-Oct-17	Zirconium-95	4.13E-03	6.64E-03	2.13E-02		6.71E-03	pCi/g	U

F-2 Redhorse
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-2 Redhorse(424745005) - Fish	15-May-17	Actinium-228	-2.11E-02	3.51E-02	1.09E-01		3.54E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Antimony-124	-4.00E-02	2.31E-02	4.96E-02		2.49E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Antimony-125	9.50E-03	1.63E-02	5.72E-02		1.64E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Barium-140	-1.60E-02	8.61E-02	2.78E-01		8.62E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Beryllium-7	-5.57E-02	6.82E-02	2.09E-01		6.94E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cerium-141	-2.60E-02	1.39E-02	4.06E-02		1.52E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cerium-144	-8.15E-03	3.56E-02	1.16E-01		3.56E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cesium-134	-1.24E-02	8.67E-03	2.23E-02	1.30E-01	9.14E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cesium-137	4.93E-03	7.05E-03	2.36E-02	1.50E-01	7.15E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Chromium-51	-1.03E-01	1.03E-01	3.33E-01		1.06E-01	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cobalt-57	1.05E-03	4.54E-03	1.53E-02		4.55E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cobalt-58	-2.42E-03	8.96E-03	2.97E-02	1.30E-01	8.97E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Cobalt-60	-1.41E-02	1.02E-02	2.70E-02	1.30E-01	1.07E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Iodine-131	9.34E-02	6.40E-02	1.74E-01		6.41E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Iron-59	-3.84E-03	2.56E-02	8.35E-02	2.60E-01	2.56E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Lanthanum-140	-8.17E-02	3.31E-02	5.88E-02		3.82E-02	pCi/g	U

F-2 Redhorse(424745005) - Fish	15-May-17	Manganese-54	1.16E-02	9.58E-03	3.52E-02	1.30E-01	9.96E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Niobium-95	1.94E-02	9.10E-03	3.53E-02		1.02E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Potassium-40	2.49E+00	2.66E-01	1.93E-01		2.98E-01	pCi/g	
F-2 Redhorse(424745005) - Fish	15-May-17	Ruthenium-103	4.64E-03	8.78E-03	3.05E-02		8.85E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Ruthenium-106	-2.07E-02	6.03E-02	1.88E-01		6.05E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Selenium-75	-8.14E-04	9.38E-03	2.93E-02		9.38E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Silver-108m	4.02E-03	5.42E-03	1.93E-02		5.50E-03	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Silver-110m	1.52E-03	1.15E-02	3.91E-02		1.15E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Strontium-89	-1.19E-01	4.92E-02	1.92E-01	3.00E-01	7.26E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Strontium-90	4.98E-02	2.63E-02	1.03E-01	3.00E-01	3.54E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Thorium-228	1.22E-02	1.85E-02	4.63E-02		1.87E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Zinc-65	4.00E-03	1.46E-02	5.01E-02	2.60E-01	1.46E-02	pCi/g	U
F-2 Redhorse(424745005) - Fish	15-May-17	Zirconium-95	-2.36E-03	1.59E-02	4.99E-02		1.59E-02	pCi/g	U

F-2 W. Bass
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-2 W. Bass(424745006) - Fish	15-May-17	Actinium-228	-1.93E-02	3.67E-02	1.14E-01		3.70E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Actinium-228	1.08E-02	1.78E-02	5.99E-02		1.80E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Antimony-124	-2.22E-03	1.71E-02	5.40E-02		1.71E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Antimony-124	-2.53E-03	1.52E-02	4.81E-02		1.52E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Antimony-125	-1.45E-02	1.82E-02	5.58E-02		1.85E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Antimony-125	-1.30E-02	9.77E-03	3.06E-02		1.02E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Barium-140	-6.85E-02	1.13E-01	3.49E-01		1.14E-01	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Barium-140	-1.37E-01	1.24E-01	3.87E-01		1.28E-01	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Beryllium-7	-1.16E-01	8.57E-02	2.49E-01		8.99E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Beryllium-7	5.06E-02	4.72E-02	1.70E-01		4.87E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Cerium-141	-3.42E-02	1.87E-02	5.16E-02		2.03E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cerium-141	-4.49E-02	1.20E-02	2.99E-02		1.60E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Cerium-144	-2.35E-02	4.75E-02	1.45E-01		4.78E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cerium-144	6.15E-02	4.00E-02	6.15E-02		4.03E-02	pCi/g	UI
F-2 W. Bass(424745006) - Fish	15-May-17	Cesium-134	-4.11E-03	7.38E-03	2.16E-02	1.30E-01	7.44E-03	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cesium-134	-4.60E-04	5.07E-03	1.49E-02	1.30E-01	5.07E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Cesium-137	1.02E-02	9.13E-03	3.03E-02	1.50E-01	9.43E-03	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cesium-137	-8.37E-03	4.76E-03	1.37E-02	1.50E-01	5.15E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Chromium-51	3.93E-01	1.03E-01	3.98E-01		1.05E-01	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Chromium-51	-1.35E-01	7.99E-02	2.24E-01		8.58E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Cobalt-57	1.44E-02	6.08E-03	2.19E-02		6.95E-03	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cobalt-57	-1.61E-05	2.45E-03	8.24E-03		2.45E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Cobalt-58	1.49E-03	1.05E-02	3.40E-02	1.30E-01	1.05E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cobalt-58	-1.71E-03	5.67E-03	1.78E-02	1.30E-01	5.68E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Cobalt-60	-9.48E-03	1.24E-02	3.46E-02	1.30E-01	1.26E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Cobalt-60	-4.57E-03	5.20E-03	1.58E-02	1.30E-01	5.31E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Iodine-131	2.38E-02	6.40E-02	2.19E-01		6.42E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Iodine-131	1.12E-01	9.62E-02	3.25E-01		9.96E-02	pCi/g	U

F-2 W. Bass(424745006) - Fish	15-May-17	Iron-59	-1.22E-02	1.95E-02	6.01E-02	2.60E-01	1.98E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Iron-59	4.55E-02	1.69E-02	6.76E-02	2.60E-01	2.00E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Lanthanum-140	-7.02E-04	3.87E-02	1.27E-01		3.87E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Lanthanum-140	-3.32E-02	3.72E-02	1.05E-01		3.80E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Manganese-54	9.64E-03	9.30E-03	3.28E-02	1.30E-01	9.57E-03	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Manganese-54	3.11E-03	4.96E-03	1.68E-02	1.30E-01	5.01E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Niobium-95	-3.52E-03	1.10E-02	3.42E-02		1.11E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Niobium-95	-8.51E-03	6.15E-03	1.75E-02		6.47E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Potassium-40	2.86E+00	3.24E-01	2.42E-01		3.61E-01	pCi/g	
F-2 W. Bass(438019007) - Fish	13-Oct-17	Potassium-40	2.56E+00	1.85E-01	1.16E-01		2.23E-01	pCi/g	
F-2 W. Bass(424745006) - Fish	15-May-17	Ruthenium-103	-7.86E-04	9.66E-03	3.15E-02		9.66E-03	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Ruthenium-103	1.78E-03	7.18E-03	2.45E-02		7.19E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Ruthenium-106	5.81E-02	8.17E-02	2.82E-01		8.29E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Ruthenium-106	6.24E-02	4.01E-02	1.46E-01		4.27E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Selenium-75	-1.69E-02	1.12E-02	3.45E-02		1.19E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Selenium-75	-5.76E-04	5.86E-03	1.86E-02		5.86E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Silver-108m	4.93E-03	7.15E-03	2.49E-02		7.24E-03	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Silver-108m	-3.03E-03	3.65E-03	1.19E-02		3.72E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Silver-110m	-1.63E-02	1.40E-02	3.84E-02		1.45E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Silver-110m	7.44E-04	5.86E-03	1.90E-02		5.86E-03	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Strontium-89	-3.84E-01	2.68E-02	1.85E-01	3.00E-01	5.78E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Strontium-89	-1.55E-01	5.92E-02	2.31E-01	3.00E-01	8.52E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Strontium-90	-9.30E-02	2.86E-02	1.51E-01	3.00E-01	3.84E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Strontium-90	2.90E-02	2.70E-02	1.47E-01	3.00E-01	4.68E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Thorium-228	-7.82E-05	1.72E-02	5.20E-02		1.72E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Thorium-228	9.18E-03	1.23E-02	2.37E-02		1.25E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Zinc-65	-1.16E-03	1.84E-02	6.16E-02	2.60E-01	1.84E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Zinc-65	-5.22E-03	1.05E-02	3.40E-02	2.60E-01	1.06E-02	pCi/g	U
F-2 W. Bass(424745006) - Fish	15-May-17	Zirconium-95	1.51E-03	1.53E-02	4.97E-02		1.53E-02	pCi/g	U
F-2 W. Bass(438019007) - Fish	13-Oct-17	Zirconium-95	8.07E-04	1.09E-02	3.57E-02		1.09E-02	pCi/g	U

F-2 W. Perch
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-2 W. Perch(438019009) - Fish	13-Oct-17	Actinium-228	5.93E-03	1.20E-02	3.96E-02		1.21E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Antimony-124	7.75E-03	8.48E-03	3.16E-02		8.67E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Antimony-125	9.31E-04	6.01E-03	2.03E-02		6.01E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Barium-140	8.44E-02	6.17E-02	2.26E-01		6.48E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Beryllium-7	3.88E-02	2.82E-02	1.03E-01		2.96E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Cerium-141	1.17E-02	8.54E-03	2.69E-02		8.96E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Cerium-144	1.10E-02	1.63E-02	5.34E-02		1.65E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Cesium-134	-1.01E-03	2.74E-03	8.51E-03	1.30E-01	2.75E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Cesium-137	3.89E-03	2.68E-03	9.09E-03	1.50E-01	2.83E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Chromium-51	4.78E-02	4.92E-02	1.75E-01		5.05E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Cobalt-57	3.65E-04	2.25E-03	7.23E-03		2.25E-03	pCi/g	U

F-2 W. Perch(438019009) - Fish	13-Oct-17	Cobalt-58	1.09E-04	2.97E-03	9.63E-03	1.30E-01	2.97E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Cobalt-60	-2.24E-03	3.46E-03	1.09E-02	1.30E-01	3.50E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Iodine-131	-2.77E-02	6.59E-02	2.06E-01		6.62E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Iron-59	-1.53E-02	1.11E-02	3.38E-02	2.60E-01	1.17E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Lanthanum-140	1.07E-03	1.61E-02	5.40E-02		1.61E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Manganese-54	3.01E-03	2.93E-03	1.03E-02	1.30E-01	3.02E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Niobium-95	-9.53E-04	3.92E-03	1.24E-02		3.92E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Potassium-40	3.06E+00	1.52E-01	9.03E-02		2.15E-01	pCi/g	
F-2 W. Perch(438019009) - Fish	13-Oct-17	Ruthenium-103	2.77E-03	4.25E-03	1.48E-02		4.30E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Ruthenium-106	2.16E-03	2.37E-02	7.82E-02		2.37E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Selenium-75	4.85E-03	3.53E-03	1.28E-02		3.70E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Silver-108m	-1.63E-03	2.00E-03	6.31E-03		2.04E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Silver-110m	-4.17E-03	3.78E-03	1.07E-02		3.90E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Strontium-89	-3.40E-01	3.12E-02	1.59E-01	3.00E-01	7.04E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Strontium-90	6.88E-02	2.89E-02	1.48E-01	3.00E-01	5.00E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Thorium-228	1.11E-02	1.04E-02	1.55E-02		1.07E-02	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Zinc-65	-3.69E-03	6.46E-03	2.08E-02	2.60E-01	6.51E-03	pCi/g	U
F-2 W. Perch(438019009) - Fish	13-Oct-17	Zirconium-95	-9.54E-03	6.67E-03	1.86E-02		7.03E-03	pCi/g	U

F-2 Walleye
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-2 Walleye(424745004) - Fish	15-May-17	Actinium-228	-4.18E-02	2.11E-02	5.12E-02		2.33E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Actinium-228	-6.42E-03	1.04E-02	3.37E-02		1.05E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Antimony-124	-1.02E-02	1.16E-02	3.02E-02		1.19E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Antimony-124	-3.64E-03	5.45E-03	1.61E-02		5.51E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Antimony-125	-1.36E-02	9.27E-03	2.76E-02		9.80E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Antimony-125	5.89E-03	4.75E-03	1.73E-02		4.95E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Barium-140	-1.47E-02	4.92E-02	1.60E-01		4.94E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Barium-140	2.22E-02	3.58E-02	1.27E-01		3.61E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Beryllium-7	-3.35E-02	3.44E-02	1.05E-01		3.53E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Beryllium-7	-1.53E-02	2.18E-02	6.94E-02		2.20E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cerium-141	8.30E-03	7.33E-03	2.56E-02		7.58E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Cerium-141	2.83E-03	5.27E-03	1.75E-02		5.31E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cerium-144	2.82E-03	2.15E-02	7.18E-02		2.15E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Cerium-144	1.06E-02	1.09E-02	3.72E-02		1.12E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cesium-134	2.78E-03	4.40E-03	1.53E-02	1.30E-01	4.44E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Cesium-134	9.59E-04	2.18E-03	7.40E-03	1.30E-01	2.19E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cesium-137	5.66E-03	4.72E-03	1.21E-02	1.50E-01	4.73E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Cesium-137	1.66E-03	2.11E-03	7.39E-03	1.50E-01	2.15E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Chromium-51	-3.56E-02	5.07E-02	1.49E-01		5.14E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Chromium-51	1.95E-02	3.50E-02	1.24E-01		3.53E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cobalt-57	-4.74E-04	2.69E-03	8.90E-03		2.69E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Cobalt-57	-1.50E-03	1.53E-03	4.76E-03		1.57E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cobalt-58	-6.77E-03	5.46E-03	1.20E-02	1.30E-01	5.68E-03	pCi/g	U

F-2 Walleye(438019008) - Fish	13-Oct-17	Cobalt-58	-6.30E-04	2.63E-03	8.37E-03	1.30E-01	2.64E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Cobalt-60	-1.02E-02	4.49E-03	8.79E-03	1.30E-01	5.09E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Cobalt-60	-2.56E-03	3.00E-03	8.08E-03	1.30E-01	3.06E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Iodine-131	-1.98E-02	2.86E-02	9.38E-02		2.90E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Iodine-131	1.33E-02	4.06E-02	1.42E-01		4.07E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Iron-59	-1.05E-02	1.56E-02	4.21E-02	2.60E-01	1.58E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Iron-59	1.65E-03	8.54E-03	2.87E-02	2.60E-01	8.55E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Lanthanum-140	-1.33E-02	1.30E-02	2.96E-02		1.34E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Lanthanum-140	2.55E-02	1.80E-02	7.06E-02		1.90E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Manganese-54	1.24E-03	4.08E-03	1.24E-02	1.30E-01	4.09E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Manganese-54	1.35E-03	2.37E-03	8.07E-03	1.30E-01	2.39E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Niobium-95	3.80E-03	4.44E-03	1.60E-02		4.53E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Niobium-95	6.55E-04	2.95E-03	9.83E-03		2.96E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Potassium-40	3.47E+00	2.27E-01	1.25E-01		2.76E-01	pCi/g	
F-2 Walleye(438019008) - Fish	13-Oct-17	Potassium-40	3.29E+00	1.33E-01	5.15E-02		2.00E-01	pCi/g	
F-2 Walleye(424745004) - Fish	15-May-17	Ruthenium-103	-1.69E-03	5.40E-03	1.77E-02		5.42E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Ruthenium-103	-3.46E-03	3.14E-03	9.69E-03		3.25E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Ruthenium-106	-3.83E-02	3.28E-02	9.35E-02		3.41E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Ruthenium-106	8.67E-03	1.87E-02	6.41E-02		1.88E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Selenium-75	-3.14E-03	4.44E-03	1.33E-02		4.50E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Selenium-75	1.39E-03	2.89E-03	9.33E-03		2.90E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Silver-108m	5.28E-03	3.04E-03	1.16E-02		3.28E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Silver-108m	-6.35E-05	1.48E-03	5.00E-03		1.48E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Silver-110m	1.55E-03	6.19E-03	2.04E-02		6.20E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Silver-110m	-1.45E-03	3.24E-03	1.02E-02		3.26E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Strontium-89	-3.05E-03	5.67E-02	1.87E-01	3.00E-01	6.84E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Strontium-89	-1.85E-01	3.36E-02	1.67E-01	3.00E-01	5.39E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Strontium-90	-2.42E-02	2.12E-02	1.19E-01	3.00E-01	3.37E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Strontium-90	2.69E-02	1.91E-02	1.01E-01	3.00E-01	3.31E-02	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Thorium-228	5.80E-03	1.01E-02	2.17E-02		1.02E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Thorium-228	-2.84E-03	4.23E-03	1.18E-02		4.28E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Zinc-65	1.30E-03	1.24E-02	4.23E-02	2.60E-01	1.24E-02	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Zinc-65	1.02E-04	6.45E-03	2.05E-02	2.60E-01	6.45E-03	pCi/g	U
F-2 Walleye(424745004) - Fish	15-May-17	Zirconium-95	-4.89E-04	9.18E-03	2.97E-02		9.19E-03	pCi/g	U
F-2 Walleye(438019008) - Fish	13-Oct-17	Zirconium-95	-2.39E-04	5.68E-03	1.85E-02		5.68E-03	pCi/g	U

F-3 W. Bass
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-3 W. Bass(438019011) - Fish	7-Nov-17	Actinium-228	-1.31E-02	1.00E-02	2.92E-02		1.05E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Antimony-124	4.29E-03	4.48E-03	1.62E-02		4.59E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Antimony-125	3.92E-03	4.52E-03	1.60E-02		4.62E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Barium-140	2.60E-03	1.27E-02	4.28E-02		1.27E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Beryllium-7	2.16E-02	2.31E-02	6.17E-02		2.36E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Cerium-141	6.31E-04	4.05E-03	1.13E-02		4.05E-03	pCi/g	U

F-3 W. Bass(438019011) - Fish	7-Nov-17	Cerium-144	-1.34E-02	1.24E-02	3.82E-02		1.28E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Cesium-134	2.46E-04	2.30E-03	7.47E-03	1.30E-01	2.30E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Cesium-137	8.70E-04	2.47E-03	8.25E-03	1.50E-01	2.48E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Chromium-51	-2.93E-03	2.05E-02	6.96E-02		2.05E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Cobalt-57	2.83E-03	1.58E-03	5.48E-03		1.71E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Cobalt-58	1.36E-05	2.93E-03	8.39E-03	1.30E-01	2.93E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Cobalt-60	-4.15E-03	2.32E-03	6.13E-03	1.30E-01	2.51E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Iodine-131	2.53E-03	6.49E-03	2.24E-02		6.52E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Iron-59	2.55E-03	6.20E-03	2.15E-02	2.60E-01	6.22E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Lanthanum-140	-1.27E-03	4.40E-03	1.17E-02		4.41E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Manganese-54	9.01E-04	2.76E-03	8.14E-03	1.30E-01	2.77E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Niobium-95	9.84E-04	3.09E-03	9.16E-03		3.10E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Potassium-40	2.86E+00	1.25E-01	4.63E-02		1.92E-01	pCi/g	
F-3 W. Bass(438019011) - Fish	7-Nov-17	Ruthenium-103	-2.84E-03	2.10E-03	6.32E-03		2.20E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Ruthenium-106	-6.09E-03	1.88E-02	6.03E-02		1.89E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Selenium-75	-2.25E-03	2.54E-03	7.49E-03		2.60E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Silver-108m	-1.37E-03	1.64E-03	5.23E-03		1.67E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Silver-110m	9.71E-04	2.69E-03	8.91E-03		2.70E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Strontium-89	-5.06E-02	3.11E-02	1.17E-01	3.00E-01	4.56E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Strontium-90	-6.96E-02	2.06E-02	1.37E-01	3.00E-01	3.57E-02	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Thorium-228	2.62E-03	4.46E-03	1.29E-02		4.50E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Zinc-65	-3.66E-03	5.17E-03	1.65E-02	2.60E-01	5.24E-03	pCi/g	U
F-3 W. Bass(438019011) - Fish	7-Nov-17	Zirconium-95	4.19E-03	3.77E-03	1.34E-02		3.90E-03	pCi/g	U

F-3 W. Perch
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-3 W. Perch(424745007) - Fish	23-May-17	Actinium-228	4.58E-02	2.07E-02	5.01E-02		2.33E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Actinium-228	8.80E-03	3.36E-02	1.18E-01		3.37E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Antimony-124	-6.44E-03	5.55E-03	1.32E-02		5.75E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Antimony-124	3.74E-03	1.45E-02	4.90E-02		1.45E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Antimony-125	3.63E-03	6.62E-03	2.27E-02		6.68E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Antimony-125	-1.38E-02	1.49E-02	4.62E-02		1.52E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Barium-140	1.96E-02	2.31E-02	8.03E-02		2.36E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Barium-140	3.93E-02	4.08E-02	1.45E-01		4.18E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Beryllium-7	2.69E-03	3.09E-02	9.09E-02		3.09E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Beryllium-7	7.52E-02	6.02E-02	2.01E-01		6.27E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cerium-141	6.81E-03	7.45E-03	1.17E-02		7.46E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cerium-141	-1.23E-02	1.12E-02	3.31E-02		1.16E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cerium-144	1.81E-03	1.28E-02	4.12E-02		1.28E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cerium-144	2.86E-02	3.32E-02	1.13E-01		3.39E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cesium-134	5.09E-03	3.17E-03	1.21E-02	1.30E-01	3.38E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cesium-134	1.80E-02	8.47E-03	2.70E-02	1.30E-01	9.47E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cesium-137	4.53E-04	3.43E-03	1.10E-02	1.50E-01	3.43E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cesium-137	3.20E-03	6.02E-03	1.87E-02	1.50E-01	6.07E-03	pCi/g	U

F-3 W. Perch(424745007) - Fish	23-May-17	Chromium-51	-3.08E-03	2.73E-02	9.09E-02		2.73E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Chromium-51	2.36E-02	5.76E-02	2.01E-01		5.79E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cobalt-57	-7.71E-04	1.61E-03	5.02E-03		1.62E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cobalt-57	1.89E-03	4.53E-03	1.51E-02		4.55E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cobalt-58	8.21E-04	3.70E-03	1.13E-02	1.30E-01	3.71E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cobalt-58	7.20E-03	6.95E-03	2.45E-02	1.30E-01	7.15E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Cobalt-60	5.84E-04	2.58E-03	8.67E-03	1.30E-01	2.58E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Cobalt-60	-5.78E-04	7.17E-03	2.33E-02	1.30E-01	7.17E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Iodine-131	-1.69E-03	1.03E-02	3.38E-02		1.03E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Iodine-131	2.32E-03	1.73E-02	5.90E-02		1.73E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Iron-59	1.06E-02	7.74E-03	2.89E-02	2.60E-01	8.13E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Iron-59	-1.29E-03	1.48E-02	4.91E-02	2.60E-01	1.48E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Lanthanum-140	5.16E-03	8.33E-03	3.04E-02		8.42E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Lanthanum-140	1.28E-02	1.42E-02	5.28E-02		1.45E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Manganese-54	-1.09E-03	2.74E-03	8.86E-03	1.30E-01	2.75E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Manganese-54	-1.68E-03	7.77E-03	2.42E-02	1.30E-01	7.78E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Niobium-95	3.95E-03	3.98E-03	1.41E-02		4.09E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Niobium-95	5.25E-03	6.45E-03	2.24E-02		6.57E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Potassium-40	2.29E+00	1.51E-01	1.01E-01		1.81E-01	pCi/g	
F-3 W. Perch(438019013) - Fish	7-Nov-17	Potassium-40	2.65E+00	2.58E-01	2.43E-01		2.95E-01	pCi/g	
F-3 W. Perch(424745007) - Fish	23-May-17	Ruthenium-103	-4.91E-04	3.49E-03	1.12E-02		3.49E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Ruthenium-103	-1.68E-03	6.52E-03	2.11E-02		6.53E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Ruthenium-106	1.57E-02	2.67E-02	8.99E-02		2.69E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Ruthenium-106	-1.86E-02	6.27E-02	1.99E-01		6.29E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Selenium-75	2.99E-03	2.61E-03	9.49E-03		2.70E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Selenium-75	1.46E-02	8.06E-03	2.81E-02		8.76E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Silver-108m	-6.84E-04	2.15E-03	6.89E-03		2.15E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Silver-108m	-4.58E-03	4.32E-03	1.31E-02		4.45E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Silver-110m	3.10E-03	4.23E-03	1.51E-02		4.30E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Silver-110m	-2.54E-03	9.00E-03	2.60E-02		9.02E-03	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Strontium-89	-1.52E+00	9.73E-02	1.85E-01	3.00E-01	1.56E-01	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Strontium-89	-3.02E-01	3.09E-02	1.16E-01	3.00E-01	5.34E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Strontium-90	2.11E-02	4.67E-02	1.47E-01	3.00E-01	4.67E-02	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Strontium-90	-9.43E-02	2.68E-02	1.75E-01	3.00E-01	4.64E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Thorium-228	1.37E-02	7.85E-03	1.63E-02		8.48E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Thorium-228	6.86E-03	2.08E-02	3.86E-02		2.09E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Zinc-65	-4.04E-03	8.85E-03	2.80E-02	2.60E-01	8.90E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Zinc-65	8.89E-04	1.43E-02	4.81E-02	2.60E-01	1.43E-02	pCi/g	U
F-3 W. Perch(424745007) - Fish	23-May-17	Zirconium-95	-4.35E-03	5.57E-03	1.75E-02		5.66E-03	pCi/g	U
F-3 W. Perch(438019013) - Fish	7-Nov-17	Zirconium-95	3.74E-03	1.17E-02	3.87E-02		1.17E-02	pCi/g	U

F-3 Walleye
Fish

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
F-3 Walleye(424745008) - Fish	23-May-17	Actinium-228	2.27E-02	1.11E-02	3.98E-02		1.23E-02	pCi/g	U

F-3 Walleye(438019012) - Fish	7-Nov-17	Actinium-228	3.96E-02	2.68E-02	5.15E-02		2.84E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Antimony-124	-5.10E-03	6.17E-03	1.76E-02		6.28E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Antimony-124	-1.72E-03	5.94E-03	1.88E-02		5.95E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Antimony-125	-7.78E-03	4.83E-03	1.40E-02		5.16E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Antimony-125	-2.90E-03	6.63E-03	2.11E-02		6.66E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Barium-140	-2.29E-02	1.93E-02	5.76E-02		2.00E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Barium-140	2.75E-03	1.86E-02	6.09E-02		1.86E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Beryllium-7	-7.78E-03	2.02E-02	6.48E-02		2.03E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Beryllium-7	-2.95E-03	2.26E-02	7.31E-02		2.26E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Cerium-141	6.55E-04	4.65E-03	1.34E-02		4.66E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cerium-141	-2.74E-03	4.75E-03	1.32E-02		4.79E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Cerium-144	-1.36E-02	1.37E-02	4.16E-02		1.40E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cerium-144	-1.80E-02	1.27E-02	3.73E-02		1.33E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Cesium-134	-5.71E-05	2.79E-03	8.90E-03	1.30E-01	2.79E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cesium-134	1.23E-02	4.28E-03	1.23E-02	1.30E-01	5.36E-03	pCi/g	UI
F-3 Walleye(424745008) - Fish	23-May-17	Cesium-137	1.52E-03	2.86E-03	9.59E-03	1.50E-01	2.89E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cesium-137	3.46E-03	3.18E-03	1.11E-02	1.50E-01	3.29E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Chromium-51	-6.59E-03	2.17E-02	7.22E-02		2.18E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Chromium-51	-8.82E-03	2.10E-02	6.05E-02		2.11E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Cobalt-57	-3.99E-04	1.64E-03	5.00E-03		1.64E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cobalt-57	-1.64E-03	1.73E-03	5.10E-03		1.77E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Cobalt-58	2.69E-03	2.23E-03	7.97E-03	1.30E-01	2.31E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cobalt-58	2.97E-03	2.81E-03	9.59E-03	1.30E-01	2.89E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Cobalt-60	3.43E-03	2.70E-03	9.25E-03	1.30E-01	2.81E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Cobalt-60	6.67E-04	3.77E-03	1.24E-02	1.30E-01	3.77E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Iodine-131	-2.10E-04	8.30E-03	2.78E-02		8.30E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Iodine-131	-4.64E-03	7.50E-03	2.39E-02		7.58E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Iron-59	8.68E-03	6.40E-03	2.36E-02	2.60E-01	6.71E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Iron-59	9.78E-03	7.58E-03	2.79E-02	2.60E-01	7.92E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Lanthanum-140	-1.64E-03	6.18E-03	1.68E-02		6.19E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Lanthanum-140	5.85E-03	6.38E-03	2.42E-02		6.53E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Manganese-54	-1.85E-03	2.49E-03	7.40E-03	1.30E-01	2.52E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Manganese-54	-1.86E-03	3.35E-03	1.08E-02	1.30E-01	3.38E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Niobium-95	8.52E-03	1.68E-03	8.52E-03		1.69E-03	pCi/g	UI
F-3 Walleye(438019012) - Fish	7-Nov-17	Niobium-95	7.30E-04	3.57E-03	1.10E-02		3.57E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Potassium-40	3.33E+00	1.45E-01	7.39E-02		1.70E-01	pCi/g	
F-3 Walleye(438019012) - Fish	7-Nov-17	Potassium-40	3.34E+00	1.69E-01	1.22E-01		2.23E-01	pCi/g	
F-3 Walleye(424745008) - Fish	23-May-17	Ruthenium-103	-2.99E-03	2.81E-03	8.60E-03		2.89E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Ruthenium-103	9.82E-04	2.85E-03	8.62E-03		2.85E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Ruthenium-106	-3.82E-03	2.10E-02	6.74E-02		2.10E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Ruthenium-106	-1.17E-02	2.18E-02	6.58E-02		2.20E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Selenium-75	-1.93E-03	2.83E-03	9.34E-03		2.86E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Selenium-75	1.35E-03	2.90E-03	1.01E-02		2.92E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Silver-108m	-1.50E-03	1.98E-03	6.29E-03		2.01E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Silver-108m	5.34E-04	2.55E-03	7.95E-03		2.55E-03	pCi/g	U

F-3 Walleye(424745008) - Fish	23-May-17	Silver-110m	3.50E-03	2.93E-03	1.04E-02		3.04E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Silver-110m	6.77E-03	4.33E-03	1.63E-02		4.61E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Strontium-89	-1.45E-01	4.23E-02	1.80E-01	3.00E-01	5.84E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Strontium-89	-9.61E-02	2.72E-02	1.17E-01	3.00E-01	3.89E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Strontium-90	1.35E-02	3.08E-02	1.32E-01	3.00E-01	4.14E-02	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Strontium-90	-8.31E-03	1.69E-02	9.91E-02	3.00E-01	2.93E-02	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Thorium-228	1.17E-04	4.55E-03	1.43E-02		4.55E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Thorium-228	1.19E-02	8.26E-03	1.19E-02		8.29E-03	pCi/g	UI
F-3 Walleye(424745008) - Fish	23-May-17	Zinc-65	-4.28E-03	5.52E-03	1.74E-02	2.60E-01	5.61E-03	pCi/g	U
F-3 Walleye(438019012) - Fish	7-Nov-17	Zinc-65	-7.06E-03	7.75E-03	2.33E-02	2.60E-01	7.92E-03	pCi/g	U
F-3 Walleye(424745008) - Fish	23-May-17	Zirconium-95	1.35E-02	3.22E-03	1.35E-02		4.80E-03	pCi/g	UI
F-3 Walleye(438019012) - Fish	7-Nov-17	Zirconium-95	6.26E-03	5.61E-03	1.73E-02		5.80E-03	pCi/g	U

FP-1 Cabbage
Vegetation

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Actinium-228	2.96E-03	2.56E-02	8.45E-02		2.56E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Actinium-228	3.87E-02	2.74E-02	9.85E-02		2.89E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Antimony-124	9.69E-04	8.29E-03	2.86E-02		8.29E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Antimony-124	-4.09E-03	6.83E-03	1.80E-02		6.89E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Antimony-125	-2.28E-03	1.35E-02	4.36E-02		1.35E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Antimony-125	7.36E-03	1.10E-02	3.84E-02		1.11E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Barium-140	-6.96E-03	1.75E-02	5.44E-02		1.76E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Barium-140	-3.48E-02	2.62E-02	6.56E-02		2.75E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Beryllium-7	7.66E-03	3.77E-02	1.25E-01		3.78E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Beryllium-7	1.98E-01	6.40E-02	1.31E-01		6.45E-02	pCi/g	
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cerium-141	-2.43E-03	7.06E-03	2.17E-02		7.08E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cerium-141	-9.58E-03	7.51E-03	2.18E-02		7.83E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cerium-144	-1.73E-02	2.71E-02	8.21E-02		2.75E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cerium-144	-3.56E-02	3.28E-02	9.26E-02		3.38E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cesium-134	-1.31E-03	4.50E-03	1.48E-02	6.00E-02	4.51E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cesium-134	8.62E-03	6.03E-03	1.99E-02	6.00E-02	6.36E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cesium-137	-4.61E-03	6.10E-03	1.73E-02	8.00E-02	6.20E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cesium-137	5.38E-04	5.98E-03	1.74E-02	8.00E-02	5.98E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Chromium-51	-5.42E-02	3.95E-02	1.21E-01		4.15E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Chromium-51	3.14E-02	3.64E-02	1.29E-01		3.71E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cobalt-57	-3.28E-03	3.59E-03	1.07E-02		3.67E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cobalt-57	-2.81E-03	3.78E-03	1.14E-02		3.84E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cobalt-58	7.49E-04	5.25E-03	1.69E-02		5.26E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cobalt-58	1.26E-03	4.69E-03	1.55E-02		4.70E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Cobalt-60	4.32E-03	4.20E-03	1.59E-02		4.32E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Cobalt-60	-4.91E-04	5.66E-03	1.86E-02		5.66E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Iodine-131	1.59E-03	6.70E-03	2.03E-02	6.00E-02	6.71E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Iodine-131	1.02E-02	7.03E-03	2.55E-02	6.00E-02	7.42E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Iron-59	9.59E-03	1.06E-02	3.81E-02		1.09E-02	pCi/g	U

FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Iron-59	4.78E-03	1.04E-02	3.67E-02		1.05E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Lanthanum-140	-3.32E-03	6.74E-03	1.97E-02		6.79E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Lanthanum-140	3.56E-03	7.85E-03	2.75E-02		7.89E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Manganese-54	5.17E-03	3.76E-03	1.44E-02		3.95E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Manganese-54	-1.19E-03	4.64E-03	1.43E-02		4.65E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Niobium-95	-2.44E-03	5.84E-03	1.77E-02		5.86E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Niobium-95	-6.52E-03	5.73E-03	1.64E-02		5.93E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Potassium-40	3.37E+00	2.22E-01	9.32E-02		2.90E-01	pCi/g	
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Potassium-40	4.82E+00	2.78E-01	1.82E-01		3.66E-01	pCi/g	
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Ruthenium-103	5.82E-03	4.15E-03	1.50E-02		4.37E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Ruthenium-103	-3.86E-03	4.39E-03	1.33E-02		4.48E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Ruthenium-106	8.20E-02	4.30E-02	1.51E-01		4.71E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Ruthenium-106	5.23E-02	4.73E-02	1.67E-01		4.89E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Selenium-75	-1.63E-03	5.78E-03	1.92E-02		5.80E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Selenium-75	-2.21E-03	5.32E-03	1.76E-02		5.35E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Silver-108m	3.37E-03	3.94E-03	1.37E-02		4.02E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Silver-108m	3.32E-03	4.10E-03	1.44E-02		4.17E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Silver-110m	-1.64E-03	5.52E-03	1.79E-02		5.53E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Silver-110m	8.52E-03	7.16E-03	2.56E-02		7.43E-03	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Thorium-228	2.86E-02	1.31E-02	3.31E-02		1.47E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Thorium-228	3.74E-02	1.76E-02	3.74E-02		2.01E-02	pCi/g	UI
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Zinc-65	1.38E-02	1.03E-02	3.85E-02		1.07E-02	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Zinc-65	-1.02E-02	1.25E-02	3.25E-02		1.28E-02	pCi/g	U
FP-1 Cabbage(428465003) - Vegetation	20-Jul-17	Zirconium-95	1.07E-03	8.38E-03	2.87E-02		8.39E-03	pCi/g	U
FP-1 Cabbage(431134001) - Vegetation	18-Aug-17	Zirconium-95	8.07E-03	8.19E-03	2.79E-02		8.40E-03	pCi/g	U

FP-1 Spinach
Vegetation

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Actinium-228	5.28E-02	3.27E-02	1.15E-01		3.49E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Antimony-124	-4.89E-03	9.69E-03	2.76E-02		9.76E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Antimony-125	-1.88E-03	1.30E-02	3.93E-02		1.30E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Barium-140	-9.39E-03	2.18E-02	7.01E-02		2.19E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Beryllium-7	3.21E-01	6.87E-02	1.38E-01		7.02E-02	pCi/g	
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cerium-141	-2.17E-03	6.15E-03	2.00E-02		6.17E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cerium-144	1.02E-02	2.58E-02	8.69E-02		2.59E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cesium-134	1.74E-02	1.03E-02	1.99E-02	6.00E-02	1.10E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cesium-137	6.29E-03	5.84E-03	2.09E-02	8.00E-02	6.02E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Chromium-51	-4.62E-02	3.47E-02	9.58E-02		3.64E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cobalt-57	7.10E-04	3.04E-03	1.02E-02		3.05E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cobalt-58	-2.54E-03	6.60E-03	1.61E-02		6.63E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Cobalt-60	7.35E-03	7.75E-03	2.80E-02		7.94E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Iodine-131	9.68E-03	6.38E-03	2.38E-02	6.00E-02	6.77E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Iron-59	-1.06E-02	1.28E-02	4.00E-02		1.30E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Lanthanum-140	-1.03E-02	6.13E-03	1.12E-02		6.59E-03	pCi/g	U

FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Manganese-54	3.10E-03	5.06E-03	1.74E-02		5.11E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Niobium-95	-5.05E-04	5.39E-03	1.54E-02		5.39E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Potassium-40	8.52E+00	3.79E-01	1.44E-01		5.38E-01	pCi/g	
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Ruthenium-103	-1.55E-03	5.13E-03	1.69E-02		5.15E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Ruthenium-106	-1.03E-02	4.73E-02	1.53E-01		4.74E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Selenium-75	-6.54E-03	6.22E-03	1.85E-02		6.40E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Silver-108m	-4.78E-05	3.42E-03	1.16E-02		3.42E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Silver-110m	-9.64E-03	9.07E-03	2.60E-02		9.35E-03	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Thorium-228	8.05E-02	1.23E-02	2.20E-02		1.27E-02	pCi/g	
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Zinc-65	2.58E-03	1.61E-02	5.49E-02		1.61E-02	pCi/g	U
FP-1 Spinach(428465001) - Vegetation	20-Jul-17	Zirconium-95	2.69E-03	1.07E-02	3.56E-02		1.08E-02	pCi/g	U

FP-1 Swiss Chard
Vegetation

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Actinium-228	3.85E-02	1.97E-02	6.87E-02		2.16E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Actinium-228	1.01E-01	7.74E-02	1.48E-01		8.10E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Antimony-124	-8.56E-05	4.30E-03	1.40E-02		4.30E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Antimony-124	-4.90E-03	1.63E-02	5.14E-02		1.63E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Antimony-125	-1.14E-02	1.02E-02	3.11E-02		1.05E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Antimony-125	2.68E-02	2.13E-02	7.51E-02		2.22E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Barium-140	-8.48E-03	2.02E-02	6.10E-02		2.03E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Barium-140	6.22E-03	4.34E-02	1.30E-01		4.35E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Beryllium-7	1.71E-01	5.41E-02	9.88E-02		5.46E-02	pCi/g	
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Beryllium-7	4.08E-01	1.07E-01	2.28E-01		1.09E-01	pCi/g	
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cerium-141	1.58E-02	1.05E-02	1.58E-02		1.06E-02	pCi/g	UI
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cerium-141	-4.54E-02	1.60E-02	3.96E-02		1.92E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cerium-144	2.50E-02	2.35E-02	7.82E-02		2.43E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cerium-144	4.27E-02	4.74E-02	1.56E-01		4.85E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cesium-134	7.34E-04	4.70E-03	1.53E-02	6.00E-02	4.71E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cesium-134	-3.06E-03	1.05E-02	3.34E-02	6.00E-02	1.06E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cesium-137	9.07E-04	4.31E-03	1.42E-02	8.00E-02	4.31E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cesium-137	1.67E-02	9.46E-03	3.37E-02	8.00E-02	1.02E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Chromium-51	-9.41E-03	2.88E-02	9.49E-02		2.89E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Chromium-51	-1.32E-01	6.76E-02	2.13E-01		7.44E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cobalt-57	1.23E-03	2.92E-03	9.42E-03		2.93E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cobalt-57	-4.12E-03	7.06E-03	1.96E-02		7.13E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cobalt-58	-7.43E-03	3.71E-03	8.69E-03		4.10E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cobalt-58	-1.02E-02	8.24E-03	2.41E-02		8.57E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Cobalt-60	8.56E-03	4.42E-03	1.79E-02		4.86E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Cobalt-60	-8.84E-03	9.38E-03	2.89E-02		9.61E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Iodine-131	2.20E-05	5.89E-03	1.97E-02	6.00E-02	5.89E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Iodine-131	1.07E-03	1.11E-02	3.75E-02	6.00E-02	1.11E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Iron-59	1.21E-02	8.98E-03	3.38E-02		9.42E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Iron-59	-1.17E-02	1.69E-02	5.46E-02		1.71E-02	pCi/g	U

FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Lanthanum-140	3.52E-03	4.38E-03	1.66E-02		4.46E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Lanthanum-140	-1.48E-02	1.16E-02	3.27E-02		1.21E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Manganese-54	5.57E-04	4.43E-03	1.44E-02		4.43E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Manganese-54	9.80E-04	9.38E-03	3.04E-02		9.39E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Niobium-95	2.44E-03	3.75E-03	1.28E-02		3.79E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Niobium-95	1.89E-03	8.83E-03	2.59E-02		8.84E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Potassium-40	5.48E+00	2.54E-01	1.30E-01		3.71E-01	pCi/g	
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Potassium-40	1.44E+01	5.05E-01	2.85E-01		9.14E-01	pCi/g	
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Ruthenium-103	1.11E-03	3.36E-03	1.14E-02		3.37E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Ruthenium-103	-2.99E-03	7.91E-03	2.58E-02		7.94E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Ruthenium-106	-1.50E-02	3.92E-02	1.23E-01		3.93E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Ruthenium-106	2.96E-02	7.47E-02	2.50E-01		7.50E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Selenium-75	-6.93E-03	4.47E-03	1.39E-02		4.76E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Selenium-75	-1.36E-02	1.02E-02	3.34E-02		1.06E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Silver-108m	1.54E-03	3.43E-03	1.17E-02		3.45E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Silver-108m	9.17E-03	7.19E-03	2.54E-02		7.50E-03	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Silver-110m	5.35E-03	6.41E-03	2.20E-02		6.53E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Silver-110m	-1.06E-03	1.23E-02	3.48E-02		1.23E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Thorium-228	-1.76E-03	7.69E-03	2.51E-02		7.70E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Thorium-228	6.80E-02	3.92E-02	6.80E-02		4.72E-02	pCi/g	UI
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Zinc-65	-6.94E-03	1.12E-02	3.59E-02		1.13E-02	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Zinc-65	-6.13E-03	2.01E-02	6.69E-02		2.02E-02	pCi/g	U
FP-1 Swiss Chard(428465002) - Vegetation	20-Jul-17	Zirconium-95	1.47E-03	7.90E-03	2.58E-02		7.91E-03	pCi/g	U
FP-1 Swiss Chard(431134002) - Vegetation	18-Aug-17	Zirconium-95	1.19E-02	1.53E-02	5.19E-02		1.56E-02	pCi/g	U

FP-9 Cabbage
Vegetation

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Actinium-228	7.18E-02	3.80E-02	7.28E-02		3.81E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Actinium-228	1.34E-02	3.33E-02	8.80E-02		3.34E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Antimony-124	4.80E-03	7.44E-03	2.91E-02		7.52E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Antimony-124	-1.00E-02	1.29E-02	3.71E-02		1.31E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Antimony-125	1.25E-02	1.55E-02	5.30E-02		1.58E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Antimony-125	-4.80E-03	1.16E-02	3.82E-02		1.17E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Barium-140	1.59E-01	4.37E-02	1.59E-01		4.81E-02	pCi/g	UI
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Barium-140	4.26E-02	1.84E-02	7.00E-02		2.10E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Beryllium-7	1.79E-01	1.03E-01	1.79E-01		1.04E-01	pCi/g	UI
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Beryllium-7	2.26E-01	8.05E-02	1.33E-01		8.10E-02	pCi/g	
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cerium-141	1.13E-02	1.00E-02	3.56E-02		1.04E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cerium-141	-1.60E-02	8.17E-03	2.01E-02		8.98E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cerium-144	-1.25E-02	3.33E-02	1.12E-01		3.35E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cerium-144	4.39E-02	2.39E-02	8.42E-02		2.60E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cesium-134	-1.84E-03	7.11E-03	2.34E-02	6.00E-02	7.12E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cesium-134	1.24E-02	6.13E-03	2.23E-02	6.00E-02	6.79E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cesium-137	1.04E-02	7.55E-03	1.93E-02	8.00E-02	7.57E-03	pCi/g	U

FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cesium-137	-1.79E-03	5.02E-03	1.59E-02	8.00E-02	5.04E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Chromium-51	-3.75E-03	6.33E-02	2.08E-01		6.33E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Chromium-51	-6.38E-02	3.69E-02	1.17E-01		3.98E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cobalt-57	-6.94E-04	3.92E-03	1.34E-02		3.93E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cobalt-57	1.38E-03	3.23E-03	1.08E-02		3.24E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cobalt-58	-5.94E-03	6.29E-03	1.94E-02		6.44E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cobalt-58	1.06E-03	6.52E-03	1.88E-02		6.52E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Cobalt-60	1.34E-02	6.81E-03	2.68E-02		7.49E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Cobalt-60	-2.55E-03	7.86E-03	2.12E-02		7.88E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Iodine-131	-1.36E-02	1.78E-02	5.55E-02	6.00E-02	1.80E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Iodine-131	-7.23E-05	6.11E-03	2.07E-02	6.00E-02	6.11E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Iron-59	-6.58E-03	1.38E-02	4.30E-02		1.39E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Iron-59	-8.59E-03	1.12E-02	3.52E-02		1.14E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Lanthanum-140	3.98E-03	1.34E-02	4.47E-02		1.34E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Lanthanum-140	-7.95E-03	7.66E-03	2.14E-02		7.89E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Manganese-54	1.11E-02	5.80E-03	2.24E-02		6.36E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Manganese-54	2.16E-03	5.66E-03	1.85E-02		5.69E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Niobium-95	-1.43E-02	1.25E-02	2.15E-02		1.29E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Niobium-95	-3.18E-03	5.12E-03	1.56E-02		5.18E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Potassium-40	5.36E+00	2.96E-01	1.68E-01		3.94E-01	pCi/g	
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Potassium-40	4.48E+00	2.44E-01	1.05E-01		3.29E-01	pCi/g	
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Ruthenium-103	-1.55E-03	7.05E-03	2.23E-02		7.06E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Ruthenium-103	-5.14E-03	4.87E-03	1.52E-02		5.02E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Ruthenium-106	3.25E-02	5.45E-02	1.82E-01		5.50E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Ruthenium-106	-1.79E-02	4.27E-02	1.35E-01		4.30E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Selenium-75	4.44E-04	7.72E-03	2.46E-02		7.72E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Selenium-75	-3.70E-03	5.91E-03	1.79E-02		5.97E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Silver-108m	-6.16E-03	5.55E-03	1.67E-02		5.73E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Silver-108m	1.32E-03	3.75E-03	1.28E-02		3.77E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Silver-110m	-7.58E-03	8.32E-03	2.11E-02		8.51E-03	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Silver-110m	8.11E-03	6.25E-03	2.32E-02		6.53E-03	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Thorium-228	2.81E-02	1.76E-02	3.48E-02		1.77E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Thorium-228	2.58E-02	1.25E-02	3.30E-02		1.39E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Zinc-65	-9.37E-03	1.59E-02	4.19E-02		1.60E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Zinc-65	2.01E-03	1.12E-02	3.79E-02		1.12E-02	pCi/g	U
FP-9 Cabbage(428465006) - Vegetation	20-Jul-17	Zirconium-95	-2.75E-03	1.06E-02	3.36E-02		1.06E-02	pCi/g	U
FP-9 Cabbage(431134003) - Vegetation	18-Aug-17	Zirconium-95	1.30E-02	8.51E-03	3.05E-02		9.04E-03	pCi/g	U

FP-9 Spinach
Vegetation

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Actinium-228	8.70E-02	5.67E-02	2.09E-01		6.03E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Antimony-124	-3.90E-02	3.26E-02	9.38E-02		3.38E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Antimony-125	-1.22E-02	3.01E-02	9.84E-02		3.02E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Barium-140	-5.85E-04	5.62E-02	1.85E-01		5.62E-02	pCi/g	U

FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Beryllium-7	5.13E-01	1.69E-01	2.97E-01		1.70E-01	pCi/g	
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cerium-141	1.95E-02	1.51E-02	4.93E-02		1.58E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cerium-144	1.35E-01	7.88E-02	1.91E-01		7.90E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cesium-134	6.76E-03	1.52E-02	4.98E-02	6.00E-02	1.52E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cesium-137	-2.58E-02	1.56E-02	4.49E-02	8.00E-02	1.68E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Chromium-51	-1.08E-01	1.12E-01	3.26E-01		1.15E-01	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cobalt-57	3.50E-03	7.60E-03	2.58E-02		7.65E-03	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cobalt-58	-1.25E-02	1.34E-02	4.28E-02		1.37E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Cobalt-60	1.56E-02	1.88E-02	6.49E-02		1.91E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Iodine-131	-5.66E-03	1.76E-02	5.89E-02	6.00E-02	1.77E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Iron-59	1.64E-02	2.73E-02	9.46E-02		2.75E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Lanthanum-140	-7.66E-03	1.79E-02	5.71E-02		1.79E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Manganese-54	-1.58E-02	1.59E-02	3.64E-02		1.63E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Niobium-95	-6.37E-04	1.35E-02	4.29E-02		1.35E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Potassium-40	7.18E+00	6.56E-01	5.12E-01		7.61E-01	pCi/g	
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Ruthenium-103	-4.85E-03	1.28E-02	4.13E-02		1.28E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Ruthenium-106	8.92E-02	1.26E-01	4.28E-01		1.28E-01	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Selenium-75	-1.39E-02	1.48E-02	4.41E-02		1.52E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Silver-108m	7.34E-03	1.08E-02	3.75E-02		1.10E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Silver-110m	-7.41E-04	1.85E-02	6.23E-02		1.85E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Thorium-228	4.17E-02	3.63E-02	8.61E-02		3.76E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Zinc-65	4.68E-02	3.22E-02	1.18E-01		3.41E-02	pCi/g	U
FP-9 Spinach(428465004) - Vegetation	20-Jul-17	Zirconium-95	-3.33E-02	2.96E-02	7.43E-02		3.07E-02	pCi/g	U

FP-9 Swiss Chard
Vegetation

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Actinium-228	3.22E-02	4.85E-02	1.21E-01		4.91E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Antimony-124	5.70E-02	1.80E-02	8.40E-02		2.24E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Antimony-125	-1.15E-02	1.80E-02	5.77E-02		1.82E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Barium-140	1.01E-02	3.16E-02	1.07E-01		3.17E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Beryllium-7	2.22E-01	1.01E-01	1.64E-01		1.02E-01	pCi/g	
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cerium-141	-1.20E-02	1.04E-02	3.04E-02		1.08E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cerium-144	-9.10E-03	3.68E-02	1.10E-01		3.68E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cesium-134	2.30E-03	9.36E-03	3.06E-02	6.00E-02	9.37E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cesium-137	-2.16E-03	8.02E-03	2.54E-02	8.00E-02	8.04E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Chromium-51	-3.03E-02	5.31E-02	1.76E-01		5.36E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cobalt-57	-4.05E-03	4.89E-03	1.54E-02		4.98E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cobalt-58	-1.24E-02	7.47E-03	1.70E-02		8.01E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Cobalt-60	7.69E-03	9.57E-03	3.42E-02		9.74E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Iodine-131	-5.36E-03	8.59E-03	2.79E-02	6.00E-02	8.68E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Iron-59	2.79E-02	1.25E-02	2.79E-02		1.27E-02	pCi/g	UI
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Lanthanum-140	8.71E-03	1.26E-02	4.45E-02		1.27E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Manganese-54	-1.58E-03	7.23E-03	2.24E-02		7.24E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Niobium-95	-1.37E-05	8.15E-03	2.40E-02		8.15E-03	pCi/g	U

FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Potassium-40	5.84E+00	3.90E-01	3.27E-01		4.84E-01	pCi/g	
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Ruthenium-103	-1.62E-02	6.57E-03	1.70E-02		7.59E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Ruthenium-106	6.80E-03	7.06E-02	2.32E-01		7.07E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Selenium-75	-6.26E-05	7.28E-03	2.28E-02		7.28E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Silver-108m	-3.04E-03	5.55E-03	1.78E-02		5.59E-03	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Silver-110m	1.20E-02	1.04E-02	3.88E-02		1.08E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Thorium-228	4.34E-02	1.91E-02	3.49E-02		1.92E-02	pCi/g	
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Zinc-65	-1.03E-02	1.76E-02	5.53E-02		1.78E-02	pCi/g	U
FP-9 Swiss Chard(428465005) - Vegetation	20-Jul-17	Zirconium-95	1.43E-02	1.40E-02	4.92E-02		1.44E-02	pCi/g	U

GW-1

Ground Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
GW-1(418397001) - Ground Water	9-Mar-17	Actinium-228	-5.29E+00	2.86E+00	6.33E+00		3.11E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Actinium-228	9.58E-01	3.96E+00	5.19E+00		3.96E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Actinium-228	-6.97E+00	2.97E+00	7.23E+00		3.39E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Actinium-228	1.54E+00	5.70E+00	1.05E+01		5.71E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Antimony-124	-1.15E-01	1.13E+00	3.67E+00		1.13E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Antimony-124	1.06E-01	1.02E+00	3.44E+00		1.02E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Antimony-124	1.18E+00	1.21E+00	4.27E+00		1.24E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Antimony-124	-1.59E+00	1.49E+00	4.64E+00		1.53E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Antimony-125	-1.08E-01	1.12E+00	3.80E+00		1.12E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Antimony-125	-2.28E+00	1.15E+00	3.60E+00		1.26E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Antimony-125	1.15E+00	1.28E+00	4.30E+00		1.31E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Antimony-125	5.62E-01	1.77E+00	5.82E+00		1.78E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Barium-140	-2.05E-01	1.98E+00	6.58E+00	1.50E+01	1.98E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Barium-140	-2.16E+00	2.21E+00	6.97E+00	1.50E+01	2.26E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Barium-140	1.04E+00	2.30E+00	7.55E+00	1.50E+01	2.32E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Barium-140	-2.60E+00	2.83E+00	8.93E+00	1.50E+01	2.90E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Beryllium-7	-1.47E+00	3.53E+00	1.17E+01		3.54E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Beryllium-7	-8.19E+00	5.24E+00	1.22E+01		5.57E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Beryllium-7	-4.54E+00	4.20E+00	1.32E+01		4.33E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Beryllium-7	-5.59E+00	5.58E+00	1.77E+01		5.73E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Cerium-141	-1.20E+00	7.92E-01	2.30E+00		8.40E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cerium-141	-8.89E-01	7.59E-01	2.37E+00		7.86E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cerium-141	1.33E+00	1.01E+00	3.23E+00		1.06E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cerium-141	9.30E-01	9.53E-01	2.97E+00		9.77E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Cerium-144	-3.78E-01	2.68E+00	8.78E+00		2.69E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cerium-144	5.47E-01	2.66E+00	8.55E+00		2.67E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cerium-144	-1.75E+00	3.97E+00	1.24E+01		3.99E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cerium-144	3.79E+00	3.54E+00	1.19E+01		3.64E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Cesium-134	2.72E-01	4.18E-01	1.40E+00	1.50E+01	4.23E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cesium-134	4.67E-01	4.32E-01	1.52E+00	1.50E+01	4.45E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cesium-134	7.28E-01	5.55E-01	1.96E+00	1.50E+01	5.80E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cesium-134	5.37E-01	7.31E-01	2.42E+00	1.50E+01	7.42E-01	pCi/L	U

GW-1(418397001) - Ground Water	9-Mar-17	Cesium-137	-3.41E-01	4.68E-01	1.50E+00	1.80E+01	4.75E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cesium-137	-3.36E-02	5.17E-01	1.47E+00	1.80E+01	5.17E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cesium-137	-5.43E-01	6.07E-01	1.64E+00	1.80E+01	6.20E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cesium-137	3.89E-01	7.10E-01	2.34E+00	1.80E+01	7.16E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Chromium-51	3.83E+00	4.06E+00	1.30E+01		4.15E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Chromium-51	-2.73E+00	3.87E+00	1.28E+01		3.92E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Chromium-51	-1.96E+00	4.50E+00	1.48E+01		4.52E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Chromium-51	7.60E+00	6.10E+00	1.81E+01		6.35E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Cobalt-57	1.70E-01	3.65E-01	1.21E+00		3.67E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cobalt-57	5.30E-02	3.54E-01	1.14E+00		3.54E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cobalt-57	-5.56E-02	4.88E-01	1.54E+00		4.88E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cobalt-57	8.34E-01	4.39E-01	1.49E+00		4.80E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Cobalt-58	2.80E-01	4.00E-01	1.34E+00	1.50E+01	4.05E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cobalt-58	3.10E-01	4.20E-01	1.46E+00	1.50E+01	4.26E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cobalt-58	-5.83E-01	5.48E-01	1.54E+00	1.50E+01	5.65E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cobalt-58	8.77E-01	6.96E-01	2.34E+00	1.50E+01	7.26E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Cobalt-60	9.87E-01	6.71E-01	1.40E+00	1.50E+01	7.09E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Cobalt-60	4.39E-01	4.30E-01	1.47E+00	1.50E+01	4.42E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Cobalt-60	-3.18E-02	5.55E-01	1.80E+00	1.50E+01	5.55E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Cobalt-60	-4.54E-01	7.54E-01	2.11E+00	1.50E+01	7.61E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Iodine-131	-1.04E+00	6.60E-01	2.16E+00		7.02E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Iodine-131	-1.08E-01	7.54E-01	2.51E+00		7.55E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Iodine-131	-3.37E-01	7.63E-01	2.50E+00		7.67E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Iodine-131	-1.19E+00	8.95E-01	2.83E+00		9.38E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Iron-59	4.98E-01	8.68E-01	3.02E+00	3.00E+01	8.76E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Iron-59	-1.38E+00	8.49E-01	2.63E+00	3.00E+01	9.08E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Iron-59	7.07E-01	1.06E+00	3.59E+00	3.00E+01	1.07E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Iron-59	-3.41E-01	1.28E+00	4.29E+00	3.00E+01	1.29E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Lanthanum-140	-1.83E-01	7.18E-01	2.33E+00	1.50E+01	7.19E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Lanthanum-140	-4.74E-01	7.25E-01	2.24E+00	1.50E+01	7.34E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Lanthanum-140	1.12E+00	7.77E-01	2.70E+00	1.50E+01	8.20E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Lanthanum-140	-9.45E-02	9.82E-01	3.27E+00	1.50E+01	9.82E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Manganese-54	2.43E-01	4.27E-01	1.28E+00	1.50E+01	4.30E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Manganese-54	-5.53E-02	4.05E-01	1.36E+00	1.50E+01	4.05E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Manganese-54	2.36E-01	4.59E-01	1.58E+00	1.50E+01	4.62E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Manganese-54	7.64E-01	7.04E-01	2.09E+00	1.50E+01	7.27E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Niobium-95	3.65E-01	4.20E-01	1.42E+00	1.50E+01	4.29E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Niobium-95	3.71E-01	4.49E-01	1.46E+00	1.50E+01	4.57E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Niobium-95	-6.62E-01	7.54E-01	1.62E+00	1.50E+01	7.69E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Niobium-95	-5.85E-01	6.84E-01	2.14E+00	1.50E+01	6.98E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Potassium-40	1.25E+01	1.28E+01	1.25E+01		1.28E+01	pCi/L	UI
GW-1(425629001) - Ground Water	15-Jun-17	Potassium-40	4.62E+00	9.61E+00	1.47E+01		9.62E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Potassium-40	-2.49E+01	1.07E+01	1.99E+01		1.22E+01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Potassium-40	-1.27E+01	1.29E+01	3.50E+01		1.32E+01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Ruthenium-103	-8.13E-02	4.83E-01	1.45E+00		4.84E-01	pCi/L	U

GW-1(425629001) - Ground Water	15-Jun-17	Ruthenium-103	4.77E-01	4.69E-01	1.43E+00		4.82E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Ruthenium-103	-5.73E-02	5.62E-01	1.62E+00		5.62E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Ruthenium-103	-1.35E+00	6.59E-01	2.02E+00		7.31E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Ruthenium-106	-3.91E+00	3.60E+00	1.14E+01		3.71E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Ruthenium-106	-4.88E+00	4.12E+00	1.21E+01		4.28E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Ruthenium-106	-1.24E+00	4.60E+00	1.46E+01		4.61E+00	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Ruthenium-106	-2.53E+00	6.10E+00	1.95E+01		6.13E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Selenium-75	4.70E-01	5.62E-01	1.82E+00		5.72E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Selenium-75	5.76E-01	5.29E-01	1.84E+00		5.46E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Selenium-75	4.29E-01	6.78E-01	2.31E+00		6.85E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Selenium-75	7.20E-01	7.98E-01	2.66E+00		8.15E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Silver-108m	7.87E-01	3.62E-01	1.31E+00		4.05E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Silver-108m	3.66E-01	3.59E-01	1.22E+00		3.69E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Silver-108m	3.35E-02	4.52E-01	1.48E+00		4.52E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Silver-108m	-4.48E-01	5.91E-01	1.89E+00		6.00E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Silver-110m	1.01E+00	5.68E-01	1.99E+00		6.14E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Silver-110m	6.09E-01	5.63E-01	1.96E+00		5.81E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Silver-110m	-1.21E-01	6.41E-01	2.14E+00		6.42E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Silver-110m	-1.25E+00	8.67E-01	2.61E+00		9.15E-01	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Thorium-228	4.23E+00	1.62E+00	2.19E+00		1.63E+00	pCi/L	
GW-1(425629001) - Ground Water	15-Jun-17	Thorium-228	4.50E-01	1.67E+00	2.93E+00		1.68E+00	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Thorium-228	3.05E+00	2.19E+00	3.05E+00		2.20E+00	pCi/L	UI
GW-1(439674001) - Ground Water	7-Dec-17	Thorium-228	-5.06E+00	1.79E+00	4.24E+00		2.15E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Tritium	-1.66E-01	1.33E-01	4.56E-01	5.00E-01	1.33E-01	pCi/mL	U
GW-1(425629001) - Ground Water	15-Jun-17	Tritium	4.76E-02	1.21E-01	3.93E-01	5.00E-01	1.21E-01	pCi/mL	U
GW-1(433337001) - Ground Water	20-Sep-17	Tritium	6.86E-02	1.38E-01	4.44E-01	5.00E-01	1.38E-01	pCi/mL	U
GW-1(439674001) - Ground Water	7-Dec-17	Tritium	1.57E-02	1.15E-01	3.77E-01	5.00E-01	1.15E-01	pCi/mL	U
GW-1(418397001) - Ground Water	9-Mar-17	Zinc-65	-8.66E-01	1.47E+00	3.14E+00	3.00E+01	1.48E+00	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Zinc-65	8.03E-01	8.00E-01	2.76E+00	3.00E+01	8.21E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Zinc-65	-5.78E-01	9.74E-01	3.00E+00	3.00E+01	9.83E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Zinc-65	-6.70E-01	1.36E+00	3.88E+00	3.00E+01	1.37E+00	pCi/L	U
GW-1(418397001) - Ground Water	9-Mar-17	Zirconium-95	-2.37E-01	7.72E-01	2.48E+00	1.50E+01	7.74E-01	pCi/L	U
GW-1(425629001) - Ground Water	15-Jun-17	Zirconium-95	-3.04E-02	8.05E-01	2.55E+00	1.50E+01	8.05E-01	pCi/L	U
GW-1(433337001) - Ground Water	20-Sep-17	Zirconium-95	-3.82E-01	8.89E-01	2.97E+00	1.50E+01	8.93E-01	pCi/L	U
GW-1(439674001) - Ground Water	7-Dec-17	Zirconium-95	7.60E-01	1.26E+00	3.66E+00	1.50E+01	1.27E+00	pCi/L	U

GW-2

Ground Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
GW-2(418397002) - Ground Water	9-Mar-17	Actinium-228	-4.14E+00	3.04E+00	7.13E+00		3.19E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Actinium-228	1.17E+00	4.17E+00	7.18E+00		4.18E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Actinium-228	-2.00E+00	2.96E+00	8.51E+00		3.00E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Actinium-228	7.53E+00	5.96E+00	9.15E+00		6.22E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Antimony-124	1.75E+00	1.04E+00	3.69E+00		1.12E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Antimony-124	1.50E+00	1.15E+00	3.63E+00		1.20E+00	pCi/L	U

GW-2(433337002) - Ground Water	20-Sep-17	Antimony-124	2.36E-01	1.18E+00	4.00E+00		1.19E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Antimony-124	5.88E-01	1.35E+00	4.60E+00		1.36E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Antimony-125	9.40E-01	1.34E+00	4.54E+00		1.36E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Antimony-125	-1.19E+00	1.33E+00	4.29E+00		1.36E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Antimony-125	-3.33E-01	1.41E+00	4.56E+00		1.41E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Antimony-125	7.37E-01	1.54E+00	5.15E+00		1.55E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Barium-140	-2.62E+00	2.41E+00	7.60E+00	1.50E+01	2.48E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Barium-140	-8.29E-01	2.39E+00	7.69E+00	1.50E+01	2.40E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Barium-140	-1.29E+00	2.35E+00	7.41E+00	1.50E+01	2.37E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Barium-140	-2.85E+00	2.47E+00	7.74E+00	1.50E+01	2.56E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Beryllium-7	2.87E+00	4.20E+00	1.41E+01		4.25E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Beryllium-7	-3.81E+00	3.93E+00	1.25E+01		4.03E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Beryllium-7	6.09E-01	4.39E+00	1.43E+01		4.39E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Beryllium-7	-2.08E+00	4.32E+00	1.40E+01		4.34E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cerium-141	-5.29E-01	9.64E-01	3.06E+00		9.72E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cerium-141	2.64E+00	1.60E+00	2.68E+00		1.60E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cerium-141	1.08E+00	1.67E+00	3.04E+00		1.67E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Cerium-141	-1.32E+00	1.31E+00	2.79E+00		1.34E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cerium-144	5.53E-01	3.69E+00	1.10E+01		3.69E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cerium-144	-3.94E+00	3.17E+00	9.87E+00		3.30E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cerium-144	-3.06E+00	3.61E+00	1.12E+01		3.69E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Cerium-144	5.89E+00	3.34E+00	1.11E+01		3.61E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cesium-134	-3.61E-01	5.03E-01	1.54E+00	1.50E+01	5.10E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cesium-134	-1.63E-01	7.21E-01	1.68E+00	1.50E+01	7.22E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cesium-134	1.04E+00	1.17E+00	1.94E+00	1.50E+01	1.20E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Cesium-134	1.99E-01	6.21E-01	2.12E+00	1.50E+01	6.23E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cesium-137	8.45E-01	5.30E-01	1.80E+00	1.80E+01	5.64E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cesium-137	-5.07E-01	5.77E-01	1.57E+00	1.80E+01	5.89E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cesium-137	2.47E-02	5.32E-01	1.81E+00	1.80E+01	5.32E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Cesium-137	4.98E-01	6.34E-01	1.87E+00	1.80E+01	6.45E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Chromium-51	-6.88E+00	4.46E+00	1.46E+01		4.74E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Chromium-51	5.54E-01	4.23E+00	1.43E+01		4.23E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Chromium-51	-1.89E-01	4.76E+00	1.58E+01		4.76E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Chromium-51	-1.59E+00	4.60E+00	1.55E+01		4.62E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cobalt-57	5.74E-01	4.69E-01	1.55E+00		4.87E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cobalt-57	4.29E-02	4.12E-01	1.32E+00		4.12E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cobalt-57	-1.25E-01	4.79E-01	1.51E+00		4.80E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Cobalt-57	-1.04E+00	5.94E-01	1.34E+00		6.41E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cobalt-58	-8.16E-01	4.28E-01	1.35E+00	1.50E+01	4.68E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cobalt-58	-1.11E+00	4.60E-01	1.42E+00	1.50E+01	5.27E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cobalt-58	2.04E-01	5.09E-01	1.73E+00	1.50E+01	5.11E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Cobalt-58	-4.44E-01	5.58E-01	1.83E+00	1.50E+01	5.68E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Cobalt-60	1.71E-01	4.90E-01	1.63E+00	1.50E+01	4.92E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Cobalt-60	9.06E-01	4.78E-01	1.72E+00	1.50E+01	5.22E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Cobalt-60	-1.21E+00	8.95E-01	1.93E+00	1.50E+01	9.39E-01	pCi/L	U

GW-2(439674002) - Ground Water	7-Dec-17	Cobalt-60	-3.67E-02	5.45E-01	1.75E+00	1.50E+01	5.45E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Iodine-131	7.14E-03	8.11E-01	2.72E+00		8.11E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Iodine-131	-8.05E-02	8.53E-01	2.85E+00		8.53E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Iodine-131	2.24E+00	9.34E-01	2.56E+00		9.39E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Iodine-131	1.15E+00	7.46E-01	2.58E+00		7.93E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Iron-59	1.37E+00	9.67E-01	3.39E+00	3.00E+01	1.02E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Iron-59	-2.11E+00	9.90E-01	2.97E+00	3.00E+01	1.11E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Iron-59	-5.37E-01	1.07E+00	3.41E+00	3.00E+01	1.08E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Iron-59	-2.19E+00	1.10E+00	3.30E+00	3.00E+01	1.22E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Lanthanum-140	1.12E-01	7.74E-01	2.51E+00	1.50E+01	7.75E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Lanthanum-140	-2.03E+00	1.29E+00	2.86E+00	1.50E+01	1.37E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Lanthanum-140	2.56E-01	8.66E-01	2.94E+00	1.50E+01	8.68E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Lanthanum-140	-1.47E+00	9.40E-01	2.71E+00	1.50E+01	1.00E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Manganese-54	-8.43E-02	4.41E-01	1.49E+00	1.50E+01	4.41E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Manganese-54	1.02E-01	4.58E-01	1.56E+00	1.50E+01	4.58E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Manganese-54	5.76E-01	5.69E-01	1.76E+00	1.50E+01	5.85E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Manganese-54	-1.53E+00	5.78E-01	1.78E+00	1.50E+01	6.79E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Niobium-95	8.53E-01	5.31E-01	1.79E+00	1.50E+01	5.66E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Niobium-95	4.72E-01	4.96E-01	1.64E+00	1.50E+01	5.08E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Niobium-95	-4.42E-02	5.03E-01	1.69E+00	1.50E+01	5.03E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Niobium-95	1.56E+00	6.10E-01	2.02E+00	1.50E+01	7.10E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Potassium-40	1.50E+01	1.13E+01	1.69E+01		1.13E+01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Potassium-40	8.23E+00	1.12E+01	1.82E+01		1.12E+01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Potassium-40	1.88E+01	1.55E+01	1.88E+01		1.55E+01	pCi/L	UI
GW-2(439674002) - Ground Water	7-Dec-17	Potassium-40	-8.48E+00	1.04E+01	2.90E+01		1.06E+01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Ruthenium-103	-6.85E-01	5.07E-01	1.60E+00		5.32E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Ruthenium-103	2.63E-03	5.23E-01	1.71E+00		5.23E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Ruthenium-103	-1.04E+00	5.31E-01	1.60E+00		5.84E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Ruthenium-103	-7.60E-01	6.97E-01	1.77E+00		7.19E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Ruthenium-106	2.80E+00	4.20E+00	1.39E+01		4.25E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Ruthenium-106	2.15E+00	4.04E+00	1.33E+01		4.08E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Ruthenium-106	6.48E+00	4.61E+00	1.55E+01		4.85E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Ruthenium-106	2.89E+00	4.88E+00	1.60E+01		4.92E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Selenium-75	-1.23E+00	6.45E-01	2.13E+00		7.05E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Selenium-75	-7.58E-01	6.32E-01	1.87E+00		6.56E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Selenium-75	-6.10E-01	6.52E-01	2.15E+00		6.67E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Selenium-75	7.58E-01	6.79E-01	2.37E+00		7.01E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Silver-108m	1.84E-01	4.33E-01	1.45E+00		4.35E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Silver-108m	-1.88E+00	7.61E-01	1.33E+00		8.75E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Silver-108m	5.11E-01	4.72E-01	1.59E+00		4.87E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Silver-108m	4.98E-02	5.02E-01	1.67E+00		5.03E-01	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Silver-110m	-6.31E-01	6.29E-01	2.05E+00		6.46E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Silver-110m	1.54E-01	6.42E-01	2.18E+00		6.43E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Silver-110m	-5.36E-01	9.73E-01	2.44E+00		9.81E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Silver-110m	-6.75E-01	7.52E-01	2.43E+00		7.68E-01	pCi/L	U

GW-2(418397002) - Ground Water	9-Mar-17	Thorium-228	2.80E+00	1.61E+00	2.85E+00		1.62E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Thorium-228	-1.01E+00	1.71E+00	3.54E+00		1.72E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Thorium-228	7.10E-01	1.78E+00	4.10E+00		1.79E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Thorium-228	-8.82E-02	1.81E+00	3.61E+00		1.81E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Tritium	2.46E-04	1.38E-01	4.55E-01	5.00E-01	1.38E-01	pCi/mL	U
GW-2(425629002) - Ground Water	15-Jun-17	Tritium	1.24E-01	1.23E-01	3.90E-01	5.00E-01	1.23E-01	pCi/mL	U
GW-2(433337002) - Ground Water	20-Sep-17	Tritium	1.39E-01	1.42E-01	4.50E-01	5.00E-01	1.43E-01	pCi/mL	U
GW-2(439674002) - Ground Water	7-Dec-17	Tritium	5.13E-03	1.18E-01	3.88E-01	5.00E-01	1.18E-01	pCi/mL	U
GW-2(418397002) - Ground Water	9-Mar-17	Zinc-65	-2.89E+00	1.16E+00	2.88E+00	3.00E+01	1.34E+00	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Zinc-65	1.76E+00	9.86E-01	3.22E+00	3.00E+01	1.07E+00	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Zinc-65	-8.74E-01	1.25E+00	3.40E+00	3.00E+01	1.27E+00	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Zinc-65	2.00E+00	1.31E+00	4.07E+00	3.00E+01	1.39E+00	pCi/L	U
GW-2(418397002) - Ground Water	9-Mar-17	Zirconium-95	1.42E-01	8.13E-01	2.61E+00	1.50E+01	8.14E-01	pCi/L	U
GW-2(425629002) - Ground Water	15-Jun-17	Zirconium-95	-8.95E-01	8.85E-01	2.68E+00	1.50E+01	9.09E-01	pCi/L	U
GW-2(433337002) - Ground Water	20-Sep-17	Zirconium-95	-4.00E-01	8.67E-01	2.87E+00	1.50E+01	8.72E-01	pCi/L	U
GW-2(439674002) - Ground Water	7-Dec-17	Zirconium-95	-1.18E+00	9.25E-01	3.00E+00	1.50E+01	9.65E-01	pCi/L	U

GW-3

Ground Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
GW-3(418397003) - Ground Water	9-Mar-17	Actinium-228	-4.12E+00	3.57E+00	6.21E+00		3.69E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Actinium-228	6.61E+00	2.90E+00	6.61E+00		3.30E+00	pCi/L	UI
GW-3(433337003) - Ground Water	20-Sep-17	Actinium-228	4.43E+00	3.71E+00	7.18E+00		3.86E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Actinium-228	-5.51E+00	5.41E+00	1.03E+01		5.56E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Antimony-124	1.61E-01	9.50E-01	3.08E+00		9.51E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Antimony-124	1.39E+00	1.80E+00	3.24E+00		1.83E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Antimony-124	5.27E-01	1.01E+00	3.40E+00		1.02E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Antimony-124	4.05E-01	1.72E+00	5.04E+00		1.72E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Antimony-125	-2.56E-02	1.11E+00	3.68E+00		1.11E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Antimony-125	1.26E+00	1.54E+00	3.72E+00		1.56E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Antimony-125	-1.84E+00	1.17E+00	3.75E+00		1.25E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Antimony-125	-1.23E+00	1.74E+00	5.76E+00		1.76E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Barium-140	2.82E+00	2.07E+00	7.04E+00	1.50E+01	2.17E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Barium-140	-6.02E+00	2.22E+00	6.60E+00	1.50E+01	2.62E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Barium-140	2.93E-01	1.96E+00	6.50E+00	1.50E+01	1.96E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Barium-140	-2.02E+00	2.71E+00	8.77E+00	1.50E+01	2.75E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Beryllium-7	-4.48E+00	3.77E+00	1.20E+01		3.91E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Beryllium-7	-1.43E+00	3.64E+00	1.20E+01		3.65E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Beryllium-7	3.84E+00	3.61E+00	1.24E+01		3.72E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Beryllium-7	2.38E+00	5.33E+00	1.82E+01		5.35E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cerium-141	-7.06E-01	7.83E-01	2.45E+00		7.99E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Cerium-141	-2.50E+00	1.20E+00	2.53E+00		1.33E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cerium-141	2.60E-01	1.55E+00	2.42E+00		1.55E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cerium-141	1.81E+00	1.99E+00	3.16E+00		1.99E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cerium-144	-1.29E+00	2.91E+00	9.23E+00		2.93E+00	pCi/L	U

GW-3(425629003) - Ground Water	15-Jun-17	Cerium-144	-1.33E+00	2.80E+00	8.95E+00		2.82E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cerium-144	-9.55E-01	2.90E+00	9.35E+00		2.91E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cerium-144	1.13E+00	4.26E+00	1.42E+01		4.27E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cesium-134	1.01E+00	4.93E-01	1.68E+00	1.50E+01	5.45E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Cesium-134	2.93E-01	4.53E-01	1.50E+00	1.50E+01	4.58E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cesium-134	-4.84E-01	6.40E-01	1.45E+00	1.50E+01	6.50E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cesium-134	-1.83E-01	7.11E-01	2.27E+00	1.50E+01	7.13E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cesium-137	8.04E-02	4.68E-01	1.51E+00	1.80E+01	4.68E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Cesium-137	2.94E-01	4.11E-01	1.38E+00	1.80E+01	4.17E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cesium-137	1.28E-01	1.11E+00	1.57E+00	1.80E+01	1.11E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cesium-137	1.94E-02	6.73E-01	2.21E+00	1.80E+01	6.73E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Chromium-51	-2.06E+00	3.95E+00	1.32E+01		3.98E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Chromium-51	-3.53E+00	3.93E+00	1.31E+01		4.01E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Chromium-51	2.43E+00	3.84E+00	1.33E+01		3.88E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Chromium-51	7.44E+00	5.67E+00	1.86E+01		5.93E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cobalt-57	4.50E-01	3.78E-01	1.24E+00		3.92E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Cobalt-57	-4.44E-01	3.81E-01	1.21E+00		3.95E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cobalt-57	4.62E-01	3.89E-01	1.29E+00		4.04E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cobalt-57	-5.86E-02	5.37E-01	1.79E+00		5.37E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cobalt-58	3.65E-01	4.24E-01	1.33E+00	1.50E+01	4.32E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Cobalt-58	-8.02E-02	4.31E-01	1.37E+00	1.50E+01	4.31E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cobalt-58	-5.55E-01	4.49E-01	1.36E+00	1.50E+01	4.67E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cobalt-58	-4.56E-01	6.89E-01	2.14E+00	1.50E+01	6.97E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Cobalt-60	1.10E-01	4.43E-01	1.47E+00	1.50E+01	4.44E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Cobalt-60	-3.16E-02	4.17E-01	1.38E+00	1.50E+01	4.17E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Cobalt-60	-4.03E-01	4.50E-01	1.42E+00	1.50E+01	4.60E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Cobalt-60	6.13E-01	8.26E-01	2.86E+00	1.50E+01	8.39E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Iodine-131	3.33E-01	7.36E-01	2.49E+00		7.40E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Iodine-131	-1.42E+00	1.13E+00	2.56E+00		1.18E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Iodine-131	-1.19E+00	1.02E+00	2.03E+00		1.06E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Iodine-131	-4.64E-02	9.27E-01	3.18E+00		9.27E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Iron-59	5.04E-01	8.09E-01	2.75E+00	3.00E+01	8.17E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Iron-59	-1.59E+00	7.89E-01	2.37E+00	3.00E+01	8.71E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Iron-59	1.52E+00	2.02E+00	3.30E+00	3.00E+01	2.05E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Iron-59	-5.73E-01	1.42E+00	4.69E+00	3.00E+01	1.42E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Lanthanum-140	-4.61E-01	6.68E-01	2.07E+00	1.50E+01	6.76E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Lanthanum-140	2.18E-01	7.09E-01	2.37E+00	1.50E+01	7.10E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Lanthanum-140	-7.23E-01	7.95E-01	2.10E+00	1.50E+01	8.13E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Lanthanum-140	-3.30E-01	1.19E+00	3.83E+00	1.50E+01	1.20E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Manganese-54	-7.22E-01	4.04E-01	1.29E+00	1.50E+01	4.37E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Manganese-54	-6.18E-01	4.41E-01	1.32E+00	1.50E+01	4.64E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Manganese-54	7.75E-01	4.31E-01	1.48E+00	1.50E+01	4.68E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Manganese-54	1.58E-01	6.62E-01	2.16E+00	1.50E+01	6.63E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Niobium-95	-2.48E-01	4.75E-01	1.48E+00	1.50E+01	4.79E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Niobium-95	-2.01E-01	4.68E-01	1.48E+00	1.50E+01	4.70E-01	pCi/L	U

GW-3(433337003) - Ground Water	20-Sep-17	Niobium-95	-3.77E-01	4.90E-01	1.53E+00	1.50E+01	4.98E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Niobium-95	6.46E-01	7.57E-01	2.31E+00	1.50E+01	7.72E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Potassium-40	-1.08E+01	1.03E+01	2.18E+01		1.06E+01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Potassium-40	5.68E+00	1.10E+01	1.36E+01		1.10E+01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Potassium-40	5.41E+00	1.36E+01	1.46E+01		1.36E+01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Potassium-40	4.16E+00	1.60E+01	2.15E+01		1.60E+01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Ruthenium-103	8.79E-01	4.78E-01	1.50E+00		5.20E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Ruthenium-103	-1.25E-01	4.38E-01	1.44E+00		4.39E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Ruthenium-103	-1.96E-01	4.53E-01	1.49E+00		4.55E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Ruthenium-103	-2.16E-01	7.39E-01	2.20E+00		7.41E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Ruthenium-106	8.19E-01	3.90E+00	1.27E+01		3.91E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Ruthenium-106	-1.43E+00	3.83E+00	1.23E+01		3.84E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Ruthenium-106	2.92E-01	3.79E+00	1.24E+01		3.79E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Ruthenium-106	1.40E+01	1.09E+01	1.89E+01		1.09E+01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Selenium-75	1.14E-01	5.35E-01	1.83E+00		5.36E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Selenium-75	1.23E+00	8.43E-01	1.95E+00		8.89E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Selenium-75	9.66E-01	7.78E-01	1.98E+00		8.10E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Selenium-75	1.59E+00	8.72E-01	2.91E+00		9.48E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Silver-108m	1.44E-01	3.97E-01	1.33E+00		3.98E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Silver-108m	1.56E-01	3.73E-01	1.26E+00		3.74E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Silver-108m	-7.89E-02	3.79E-01	1.26E+00		3.79E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Silver-108m	-1.28E-01	5.62E-01	1.89E+00		5.63E-01	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Silver-110m	-1.50E-01	5.60E-01	1.87E+00		5.61E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Silver-110m	-2.23E-01	6.03E-01	1.89E+00		6.05E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Silver-110m	-1.79E-01	5.87E-01	1.84E+00		5.88E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Silver-110m	1.89E+00	9.32E-01	3.32E+00		1.03E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Thorium-228	-6.75E-01	1.29E+00	2.99E+00		1.30E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Thorium-228	4.27E+00	1.97E+00	2.42E+00		1.98E+00	pCi/L	
GW-3(433337003) - Ground Water	20-Sep-17	Thorium-228	1.80E+00	1.62E+00	2.48E+00		1.62E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Thorium-228	1.22E+00	2.39E+00	3.66E+00		2.39E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Tritium	-6.03E-02	1.35E-01	4.51E-01	5.00E-01	1.35E-01	pCi/mL	U
GW-3(425629003) - Ground Water	15-Jun-17	Tritium	9.52E-02	1.22E-01	3.92E-01	5.00E-01	1.23E-01	pCi/mL	U
GW-3(433337003) - Ground Water	20-Sep-17	Tritium	-8.58E-02	1.34E-01	4.51E-01	5.00E-01	1.34E-01	pCi/mL	U
GW-3(439674003) - Ground Water	7-Dec-17	Tritium	-2.91E-02	1.38E-01	4.58E-01	5.00E-01	1.38E-01	pCi/mL	U
GW-3(418397003) - Ground Water	9-Mar-17	Zinc-65	-1.62E+00	1.02E+00	2.70E+00	3.00E+01	1.08E+00	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Zinc-65	-8.85E-01	9.91E-01	2.76E+00	3.00E+01	1.01E+00	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Zinc-65	1.15E+00	9.86E-01	3.12E+00	3.00E+01	1.02E+00	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Zinc-65	4.72E-01	1.57E+00	4.78E+00	3.00E+01	1.57E+00	pCi/L	U
GW-3(418397003) - Ground Water	9-Mar-17	Zirconium-95	5.60E-01	7.75E-01	2.53E+00	1.50E+01	7.85E-01	pCi/L	U
GW-3(425629003) - Ground Water	15-Jun-17	Zirconium-95	6.26E-01	7.52E-01	2.52E+00	1.50E+01	7.66E-01	pCi/L	U
GW-3(433337003) - Ground Water	20-Sep-17	Zirconium-95	-6.67E-01	7.87E-01	2.45E+00	1.50E+01	8.03E-01	pCi/L	U
GW-3(439674003) - Ground Water	7-Dec-17	Zirconium-95	-1.57E-01	1.25E+00	4.03E+00	1.50E+01	1.25E+00	pCi/L	U

GW-4
Ground Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
GW-4(418397004) - Ground Water	9-Mar-17	Actinium-228	3.15E+00	4.12E+00	7.36E+00		4.18E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Actinium-228	-5.37E+00	3.44E+00	6.19E+00		3.66E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Actinium-228	-3.24E+00	3.39E+00	7.82E+00		3.48E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Actinium-228	-2.34E+00	3.49E+00	7.95E+00		3.53E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Antimony-124	6.63E-01	1.09E+00	3.71E+00		1.10E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Antimony-124	1.84E-01	1.10E+00	3.57E+00		1.10E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Antimony-124	-2.41E-01	1.16E+00	3.73E+00		1.16E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Antimony-124	1.17E-01	1.08E+00	3.53E+00		1.08E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Antimony-125	-1.80E+00	1.39E+00	4.42E+00		1.45E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Antimony-125	-2.23E+00	1.19E+00	3.72E+00		1.29E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Antimony-125	1.74E+00	1.36E+00	4.59E+00		1.42E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Antimony-125	1.32E+00	1.30E+00	4.48E+00		1.34E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Barium-140	-2.03E-01	2.27E+00	7.38E+00	1.50E+01	2.27E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Barium-140	-2.44E+00	2.34E+00	7.38E+00	1.50E+01	2.41E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Barium-140	1.73E+00	2.38E+00	7.85E+00	1.50E+01	2.41E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Barium-140	1.09E+00	1.96E+00	6.59E+00	1.50E+01	1.97E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Beryllium-7	-1.32E+01	4.36E+00	1.30E+01		5.32E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Beryllium-7	1.10E+00	3.86E+00	1.28E+01		3.87E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Beryllium-7	-4.21E+00	4.49E+00	1.41E+01		4.60E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Beryllium-7	-3.54E+00	4.14E+00	1.35E+01		4.22E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Cerium-141	-1.18E+00	1.44E+00	3.12E+00		1.47E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cerium-141	2.52E+00	1.96E+00	2.52E+00		1.96E+00	pCi/L	UI
GW-4(433337004) - Ground Water	20-Sep-17	Cerium-141	-3.65E-02	9.47E-01	3.04E+00		9.47E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cerium-141	-2.58E+00	1.28E+00	2.97E+00		1.42E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Cerium-144	4.99E+00	3.86E+00	1.23E+01		4.03E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cerium-144	-8.77E-01	3.15E+00	1.01E+01		3.16E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Cerium-144	3.85E+00	3.55E+00	1.22E+01		3.66E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cerium-144	-3.60E+00	3.47E+00	1.10E+01		3.57E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Cesium-134	-9.85E-01	5.36E-01	1.57E+00	1.50E+01	5.83E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cesium-134	5.34E-01	4.90E-01	1.63E+00	1.50E+01	5.05E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Cesium-134	1.15E+00	5.51E-01	2.00E+00	1.50E+01	6.14E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cesium-134	1.42E-02	5.30E-01	1.71E+00	1.50E+01	5.30E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Cesium-137	-1.91E-01	5.06E-01	1.61E+00	1.80E+01	5.08E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cesium-137	1.03E+00	4.50E-01	1.58E+00	1.80E+01	5.09E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Cesium-137	7.78E-01	5.56E-01	1.87E+00	1.80E+01	5.86E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cesium-137	6.30E-01	5.04E-01	1.72E+00	1.80E+01	5.25E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Chromium-51	6.11E-01	4.48E+00	1.50E+01		4.48E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Chromium-51	2.79E+00	4.16E+00	1.43E+01		4.21E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Chromium-51	-4.73E+00	4.46E+00	1.43E+01		4.59E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Chromium-51	2.11E+00	4.27E+00	1.47E+01		4.29E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Cobalt-57	4.06E-01	5.24E-01	1.66E+00		5.32E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cobalt-57	3.29E-01	4.21E-01	1.38E+00		4.28E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Cobalt-57	-1.09E-01	4.69E-01	1.58E+00		4.69E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cobalt-57	-8.89E-02	4.55E-01	1.47E+00		4.56E-01	pCi/L	U

GW-4(418397004) - Ground Water	9-Mar-17	Cobalt-58	4.98E-01	4.66E-01	1.56E+00	1.50E+01	4.80E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cobalt-58	1.10E+00	6.24E-01	1.45E+00	1.50E+01	6.24E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Cobalt-58	-3.38E-02	5.41E-01	1.62E+00	1.50E+01	5.41E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cobalt-58	-6.57E-02	4.60E-01	1.47E+00	1.50E+01	4.60E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Cobalt-60	1.86E-01	4.17E-01	1.42E+00	1.50E+01	4.20E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Cobalt-60	1.16E+00	4.30E-01	1.61E+00	1.50E+01	5.06E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Cobalt-60	6.31E-01	5.69E-01	1.73E+00	1.50E+01	5.88E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Cobalt-60	-2.18E-01	4.64E-01	1.50E+00	1.50E+01	4.66E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Iodine-131	-2.79E-01	8.46E-01	2.79E+00		8.49E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Iodine-131	-9.34E-01	8.34E-01	2.72E+00		8.61E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Iodine-131	-2.57E-01	8.02E-01	2.60E+00		8.04E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Iodine-131	8.75E-01	7.42E-01	2.58E+00		7.70E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Iron-59	-2.08E+00	8.92E-01	2.68E+00	3.00E+01	1.02E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Iron-59	-1.56E-01	9.43E-01	3.11E+00	3.00E+01	9.44E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Iron-59	9.18E-01	9.75E-01	3.39E+00	3.00E+01	9.99E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Iron-59	-1.25E+00	9.46E-01	3.01E+00	3.00E+01	9.91E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Lanthanum-140	7.11E-02	8.02E-01	2.33E+00	1.50E+01	8.02E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Lanthanum-140	-9.59E-01	7.91E-01	2.36E+00	1.50E+01	8.22E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Lanthanum-140	1.00E-01	8.04E-01	2.65E+00	1.50E+01	8.04E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Lanthanum-140	-4.57E-01	7.87E-01	2.49E+00	1.50E+01	7.94E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Manganese-54	5.30E-01	4.47E-01	1.50E+00	1.50E+01	4.64E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Manganese-54	-1.40E+00	4.33E-01	1.29E+00	1.50E+01	5.41E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Manganese-54	-4.76E-01	8.44E-01	1.58E+00	1.50E+01	8.51E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Manganese-54	1.35E-04	4.66E-01	1.49E+00	1.50E+01	4.66E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Niobium-95	9.55E-01	5.74E-01	1.77E+00	1.50E+01	6.15E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Niobium-95	3.68E-01	4.85E-01	1.59E+00	1.50E+01	4.93E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Niobium-95	6.75E-01	5.47E-01	1.82E+00	1.50E+01	5.70E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Niobium-95	-1.68E-02	5.24E-01	1.50E+00	1.50E+01	5.24E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Potassium-40	1.33E+01	1.14E+01	1.33E+01		1.14E+01	pCi/L	UI
GW-4(425629004) - Ground Water	15-Jun-17	Potassium-40	5.58E+00	1.55E+01	1.38E+01		1.55E+01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Potassium-40	1.63E+01	1.43E+01	1.63E+01		1.43E+01	pCi/L	UI
GW-4(439674004) - Ground Water	7-Dec-17	Potassium-40	-1.82E+01	8.79E+00	2.22E+01		9.77E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Ruthenium-103	-8.35E-01	5.54E-01	1.51E+00		5.86E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Ruthenium-103	-2.37E-01	4.96E-01	1.43E+00		4.99E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Ruthenium-103	-2.31E-01	5.60E-01	1.79E+00		5.62E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Ruthenium-103	-3.17E-01	4.63E-01	1.51E+00		4.69E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Ruthenium-106	2.92E+00	4.72E+00	1.56E+01		4.77E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Ruthenium-106	-1.86E+00	4.01E+00	1.27E+01		4.03E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Ruthenium-106	-5.49E+00	4.85E+00	1.49E+01		5.03E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Ruthenium-106	2.83E+00	4.28E+00	1.43E+01		4.33E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Selenium-75	6.09E-01	6.41E-01	2.20E+00		6.56E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Selenium-75	3.02E-02	6.02E-01	2.06E+00		6.02E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Selenium-75	2.57E-02	6.18E-01	2.05E+00		6.18E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Selenium-75	-1.28E-01	6.93E-01	2.14E+00		6.93E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Silver-108m	-8.21E-02	4.68E-01	1.54E+00		4.68E-01	pCi/L	U

GW-4(425629004) - Ground Water	15-Jun-17	Silver-108m	-1.06E-01	3.96E-01	1.30E+00		3.96E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Silver-108m	-1.15E-01	4.49E-01	1.45E+00		4.50E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Silver-108m	-3.84E-01	4.21E-01	1.38E+00		4.31E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Silver-110m	-5.57E-01	6.22E-01	1.88E+00		6.35E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Silver-110m	-1.32E-01	5.93E-01	1.99E+00		5.94E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Silver-110m	-4.19E-02	6.30E-01	2.13E+00		6.30E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Silver-110m	4.21E-01	6.49E-01	2.13E+00		6.57E-01	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Thorium-228	5.84E-01	1.62E+00	2.93E+00		1.62E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Thorium-228	5.76E-01	1.34E+00	3.21E+00		1.35E+00	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Thorium-228	2.40E+00	1.90E+00	2.79E+00		1.90E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Thorium-228	-1.61E+00	1.55E+00	3.63E+00		1.59E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Tritium	-2.00E-01	1.31E-01	4.54E-01	5.00E-01	1.31E-01	pCi/mL	U
GW-4(425629004) - Ground Water	15-Jun-17	Tritium	1.03E-01	1.21E-01	3.87E-01	5.00E-01	1.22E-01	pCi/mL	U
GW-4(433337004) - Ground Water	20-Sep-17	Tritium	-8.93E-02	1.32E-01	4.46E-01	5.00E-01	1.32E-01	pCi/mL	U
GW-4(439674004) - Ground Water	7-Dec-17	Tritium	-1.29E-01	1.37E-01	4.78E-01	5.00E-01	1.37E-01	pCi/mL	U
GW-4(418397004) - Ground Water	9-Mar-17	Zinc-65	-1.47E+00	1.13E+00	3.10E+00	3.00E+01	1.18E+00	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Zinc-65	2.49E-02	9.65E-01	2.97E+00	3.00E+01	9.65E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Zinc-65	6.53E-01	1.17E+00	3.55E+00	3.00E+01	1.18E+00	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Zinc-65	1.52E-02	1.01E+00	3.01E+00	3.00E+01	1.01E+00	pCi/L	U
GW-4(418397004) - Ground Water	9-Mar-17	Zirconium-95	-1.77E-01	9.33E-01	2.96E+00	1.50E+01	9.34E-01	pCi/L	U
GW-4(425629004) - Ground Water	15-Jun-17	Zirconium-95	-5.96E-02	7.53E-01	2.39E+00	1.50E+01	7.53E-01	pCi/L	U
GW-4(433337004) - Ground Water	20-Sep-17	Zirconium-95	-3.74E-02	9.31E-01	2.95E+00	1.50E+01	9.31E-01	pCi/L	U
GW-4(439674004) - Ground Water	7-Dec-17	Zirconium-95	3.31E-01	8.29E-01	2.72E+00	1.50E+01	8.33E-01	pCi/L	U

GW-4 QC

Ground Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
GW-4 QC(418397005) - Ground Water	9-Mar-17	Actinium-228	-7.08E+00	3.00E+00	6.82E+00		3.42E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Actinium-228	-1.96E+00	2.35E+00	6.17E+00		2.40E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Actinium-228	1.77E-01	3.42E+00	5.18E+00		3.42E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Actinium-228	-8.92E+00	4.38E+00	1.02E+01		4.85E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Antimony-124	5.43E-01	9.79E-01	3.33E+00		9.87E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Antimony-124	1.75E+00	9.11E-01	3.37E+00		9.99E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Antimony-124	2.87E-01	1.21E+00	3.51E+00		1.21E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Antimony-124	-4.17E-01	1.61E+00	5.30E+00		1.61E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Antimony-125	-2.47E-01	1.30E+00	4.35E+00		1.30E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Antimony-125	1.20E-02	9.53E-01	3.23E+00		9.53E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Antimony-125	-1.75E+00	1.32E+00	3.77E+00		1.38E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Antimony-125	-6.72E-01	1.93E+00	6.25E+00		1.94E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Barium-140	-2.07E+00	2.07E+00	6.64E+00	1.50E+01	2.13E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Barium-140	1.18E+00	1.94E+00	6.33E+00	1.50E+01	1.96E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Barium-140	-4.58E-01	2.30E+00	6.74E+00	1.50E+01	2.30E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Barium-140	-1.16E+00	3.26E+00	1.05E+01	1.50E+01	3.27E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Beryllium-7	-7.61E+00	4.01E+00	1.27E+01		4.38E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Beryllium-7	4.17E+00	3.12E+00	1.10E+01		3.27E+00	pCi/L	U

GW-4 QC(433337005) - Ground Water	20-Sep-17	Beryllium-7	-7.20E+00	3.94E+00	1.24E+01		4.27E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Beryllium-7	-7.98E-01	5.63E+00	1.83E+01		5.64E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cerium-141	-5.61E+00	1.30E+00	2.75E+00		1.84E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cerium-141	2.04E+00	1.31E+00	2.04E+00		1.31E+00	pCi/L	UI
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cerium-141	1.14E-01	1.42E+00	2.37E+00		1.42E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cerium-141	1.41E+00	1.06E+00	3.57E+00		1.11E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cerium-144	-4.72E+00	3.36E+00	1.06E+01		3.54E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cerium-144	2.28E+00	2.40E+00	7.96E+00		2.46E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cerium-144	-1.44E+00	3.05E+00	9.74E+00		3.07E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cerium-144	1.03E-01	4.05E+00	1.34E+01		4.05E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cesium-134	1.71E+00	6.30E-01	1.79E+00	1.50E+01	7.44E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cesium-134	8.72E-01	5.32E-01	1.35E+00	1.50E+01	5.70E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cesium-134	5.96E-01	4.86E-01	1.65E+00	1.50E+01	5.05E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cesium-134	3.12E-01	8.50E-01	2.77E+00	1.50E+01	8.53E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cesium-137	1.22E+00	5.54E-01	1.72E+00	1.80E+01	5.55E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cesium-137	-1.22E-01	3.86E-01	1.26E+00	1.80E+01	3.87E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cesium-137	1.63E-01	4.62E-01	1.53E+00	1.80E+01	4.64E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cesium-137	1.69E-01	7.73E-01	2.51E+00	1.80E+01	7.74E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Chromium-51	-4.69E+00	4.30E+00	1.43E+01		4.43E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Chromium-51	4.06E+00	3.32E+00	1.17E+01		3.45E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Chromium-51	-1.40E+00	3.90E+00	1.32E+01		3.91E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Chromium-51	-2.63E+00	6.10E+00	1.98E+01		6.13E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cobalt-57	-6.90E-01	4.57E-01	1.44E+00		4.84E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cobalt-57	-3.52E-01	3.21E-01	1.02E+00		3.31E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cobalt-57	-1.49E-01	3.88E-01	1.25E+00		3.90E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cobalt-57	3.69E-01	5.10E-01	1.70E+00		5.17E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cobalt-58	-8.57E-01	4.80E-01	1.34E+00	1.50E+01	5.19E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cobalt-58	-3.89E-01	3.55E-01	1.09E+00	1.50E+01	3.66E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cobalt-58	1.19E-01	4.08E-01	1.33E+00	1.50E+01	4.09E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cobalt-58	-1.12E+00	7.19E-01	2.18E+00	1.50E+01	7.65E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Cobalt-60	2.49E-01	4.77E-01	1.64E+00	1.50E+01	4.81E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Cobalt-60	2.45E-01	3.74E-01	1.30E+00	1.50E+01	3.78E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Cobalt-60	-6.07E-01	4.45E-01	1.36E+00	1.50E+01	4.66E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Cobalt-60	4.07E-01	6.66E-01	2.30E+00	1.50E+01	6.73E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Iodine-131	-8.60E-01	7.84E-01	2.59E+00		8.08E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Iodine-131	-2.59E-01	6.43E-01	2.17E+00		6.45E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Iodine-131	-4.74E-01	6.60E-01	2.19E+00		6.69E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Iodine-131	-2.06E+00	1.10E+00	3.45E+00		1.20E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Iron-59	6.30E-01	8.50E-01	2.97E+00	3.00E+01	8.63E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Iron-59	-1.19E+00	7.83E-01	2.27E+00	3.00E+01	8.31E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Iron-59	7.30E-01	8.08E-01	2.84E+00	3.00E+01	8.26E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Iron-59	-1.79E-01	1.39E+00	4.67E+00	3.00E+01	1.39E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Lanthanum-140	7.79E-01	7.47E-01	2.60E+00	1.50E+01	7.68E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Lanthanum-140	-1.05E+00	7.65E-01	1.98E+00	1.50E+01	8.03E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Lanthanum-140	-5.43E-01	6.66E-01	2.06E+00	1.50E+01	6.77E-01	pCi/L	U

GW-4 QC(439674005) - Ground Water	7-Dec-17	Lanthanum-140	-8.00E-01	1.03E+00	3.31E+00	1.50E+01	1.05E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Manganese-54	2.20E-01	4.37E-01	1.44E+00	1.50E+01	4.40E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Manganese-54	-1.91E-01	4.05E-01	1.29E+00	1.50E+01	4.08E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Manganese-54	-7.21E-01	8.26E-01	1.54E+00	1.50E+01	8.43E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Manganese-54	-1.36E+00	7.44E-01	2.24E+00	1.50E+01	8.09E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Niobium-95	-7.21E-02	8.17E-01	1.80E+00	1.50E+01	8.17E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Niobium-95	5.79E-01	3.91E-01	1.24E+00	1.50E+01	4.14E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Niobium-95	-8.40E-01	4.65E-01	1.38E+00	1.50E+01	5.04E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Niobium-95	2.02E+00	8.42E-01	2.62E+00	1.50E+01	9.65E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Potassium-40	1.29E+01	1.14E+01	1.57E+01		1.14E+01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Potassium-40	3.37E+00	9.21E+00	1.26E+01		9.21E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Potassium-40	1.84E-01	9.45E+00	1.34E+01		9.45E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Potassium-40	-1.01E+01	1.28E+01	3.48E+01		1.30E+01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Ruthenium-103	-2.70E-01	5.17E-01	1.51E+00		5.21E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Ruthenium-103	-5.87E-01	4.28E-01	1.21E+00		4.49E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Ruthenium-103	2.56E-01	6.27E-01	1.52E+00		6.30E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Ruthenium-103	-2.14E+00	7.22E-01	2.16E+00		8.79E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Ruthenium-106	1.15E+00	4.13E+00	1.37E+01		4.14E+00	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Ruthenium-106	2.33E-01	3.12E+00	1.04E+01		3.12E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Ruthenium-106	8.15E-01	4.22E+00	1.39E+01		4.22E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Ruthenium-106	2.72E+00	6.59E+00	2.16E+01		6.63E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Selenium-75	4.02E-01	6.57E-01	2.08E+00		6.63E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Selenium-75	1.87E-01	4.94E-01	1.57E+00		4.96E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Selenium-75	1.25E+00	5.76E-01	1.90E+00		6.45E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Selenium-75	-5.38E-01	9.98E-01	2.83E+00		1.01E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Silver-108m	2.55E-01	4.24E-01	1.45E+00		4.28E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Silver-108m	-5.36E-01	3.26E-01	1.05E+00		3.50E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Silver-108m	2.49E-01	3.87E-01	1.32E+00		3.91E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Silver-108m	-4.38E-01	6.34E-01	2.03E+00		6.42E-01	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Silver-110m	8.77E-01	6.25E-01	2.12E+00		6.57E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Silver-110m	1.19E+00	4.95E-01	1.78E+00		5.68E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Silver-110m	1.73E-01	5.72E-01	1.85E+00		5.73E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Silver-110m	-3.33E-02	1.00E+00	3.21E+00		1.00E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Thorium-228	4.31E+00	1.69E+00	2.70E+00		1.70E+00	pCi/L	
GW-4 QC(425629005) - Ground Water	15-Jun-17	Thorium-228	1.15E+00	1.45E+00	2.86E+00		1.48E+00	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Thorium-228	5.12E+00	1.64E+00	2.41E+00		1.65E+00	pCi/L	
GW-4 QC(439674005) - Ground Water	7-Dec-17	Thorium-228	1.61E+00	2.46E+00	3.75E+00		2.46E+00	pCi/L	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Tritium	9.86E-02	1.42E-01	4.57E-01	5.00E-01	1.42E-01	pCi/mL	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Tritium	7.75E-02	1.22E-01	3.92E-01	5.00E-01	1.22E-01	pCi/mL	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Tritium	4.19E-02	1.38E-01	4.50E-01	5.00E-01	1.38E-01	pCi/mL	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Tritium	1.54E-01	1.48E-01	4.60E-01	5.00E-01	1.49E-01	pCi/mL	U
GW-4 QC(418397005) - Ground Water	9-Mar-17	Zinc-65	-9.86E-01	9.23E-01	2.56E+00	3.00E+01	9.51E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Zinc-65	2.32E-01	8.36E-01	2.41E+00	3.00E+01	8.38E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Zinc-65	1.29E+00	1.01E+00	3.24E+00	3.00E+01	1.05E+00	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Zinc-65	-8.78E-01	1.70E+00	4.85E+00	3.00E+01	1.71E+00	pCi/L	U

GW-4 QC(418397005) - Ground Water	9-Mar-17	Zirconium-95	-1.75E+00	7.99E-01	2.34E+00	1.50E+01	8.96E-01	pCi/L	U
GW-4 QC(425629005) - Ground Water	15-Jun-17	Zirconium-95	-1.62E-01	6.65E-01	2.15E+00	1.50E+01	6.66E-01	pCi/L	U
GW-4 QC(433337005) - Ground Water	20-Sep-17	Zirconium-95	-3.15E-01	7.54E-01	2.38E+00	1.50E+01	7.57E-01	pCi/L	U
GW-4 QC(439674005) - Ground Water	7-Dec-17	Zirconium-95	-1.12E+00	1.21E+00	3.75E+00	1.50E+01	1.23E+00	pCi/L	U

M-8

Milk

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
M-8(414255001) - Milk	12-Jan-17	Actinium-228	1.06E+00	3.89E+00	9.55E+00		3.90E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Actinium-228	4.56E+00	4.44E+00	8.19E+00		4.56E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Actinium-228	4.59E-01	6.35E+00	7.73E+00		6.35E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Actinium-228	8.38E+00	3.90E+00	8.38E+00		4.42E+00	pCi/L	UI
M-8(423049001) - Milk	11-May-17	Actinium-228	-5.88E+00	3.33E+00	7.44E+00		3.60E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Actinium-228	-3.88E+00	3.46E+00	8.42E+00		3.57E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Actinium-228	-4.88E+00	3.50E+00	8.13E+00		3.68E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Actinium-228	-1.46E+00	4.44E+00	9.78E+00		4.46E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Actinium-228	1.75E+00	5.35E+00	8.44E+00		5.37E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Actinium-228	-4.69E+00	3.27E+00	7.94E+00		3.45E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Actinium-228	-6.48E+00	3.49E+00	7.92E+00		3.80E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Actinium-228	-4.95E+00	3.38E+00	7.87E+00		3.57E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Actinium-228	-7.51E+00	2.77E+00	6.92E+00		3.29E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Actinium-228	6.35E+00	4.15E+00	7.30E+00		4.41E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Actinium-228	-6.99E+00	4.11E+00	8.71E+00		4.42E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Actinium-228	-1.18E+01	3.35E+00	7.25E+00		4.34E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Actinium-228	3.37E+00	5.83E+00	1.13E+01		5.89E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Actinium-228	-4.72E+00	4.04E+00	8.14E+00		4.19E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Antimony-124	-5.61E+00	2.20E+00	3.57E+00		2.55E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Antimony-124	-1.97E-01	9.31E-01	3.00E+00		9.32E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Antimony-124	-1.68E+00	1.27E+00	3.95E+00		1.33E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Antimony-124	-2.06E-01	9.70E-01	3.12E+00		9.71E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Antimony-124	-1.28E+00	1.28E+00	3.23E+00		1.31E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Antimony-124	-1.75E+00	1.20E+00	3.44E+00		1.26E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Antimony-124	-1.77E+00	1.22E+00	3.50E+00		1.29E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Antimony-124	-2.29E+00	1.66E+00	4.72E+00		1.74E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Antimony-124	2.64E-02	9.34E-01	3.09E+00		9.34E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Antimony-124	-5.92E-01	1.05E+00	3.29E+00		1.06E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Antimony-124	1.10E+00	1.15E+00	3.89E+00		1.18E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Antimony-124	-7.41E+00	1.94E+00	4.02E+00		2.59E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Antimony-124	4.25E-01	1.03E+00	3.45E+00		1.04E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Antimony-124	-4.48E-01	8.30E-01	2.65E+00		8.37E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Antimony-124	-6.70E-02	1.39E+00	4.63E+00		1.39E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Antimony-124	-1.56E-01	1.15E+00	3.65E+00		1.15E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Antimony-124	-2.40E+00	1.59E+00	4.41E+00		1.68E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Antimony-124	1.29E-01	1.17E+00	3.91E+00		1.17E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Antimony-125	-2.19E+00	1.78E+00	5.05E+00		1.85E+00	pCi/L	U

M-8(416164001) - Milk	9-Feb-17	Antimony-125	3.81E+00	1.32E+00	4.69E+00		1.59E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Antimony-125	1.28E+00	1.69E+00	5.04E+00		1.71E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Antimony-125	5.33E-01	1.39E+00	4.65E+00		1.39E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Antimony-125	-4.55E+00	1.33E+00	4.01E+00		1.70E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Antimony-125	1.67E+00	1.38E+00	4.71E+00		1.43E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Antimony-125	-1.56E+00	1.38E+00	4.43E+00		1.43E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Antimony-125	-7.01E-01	1.54E+00	5.09E+00		1.55E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Antimony-125	2.62E+00	1.29E+00	4.53E+00		1.42E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Antimony-125	1.70E+00	1.52E+00	4.98E+00		1.57E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Antimony-125	-1.22E+00	1.35E+00	4.39E+00		1.38E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Antimony-125	8.04E-02	1.33E+00	4.41E+00		1.33E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Antimony-125	-7.73E-01	1.37E+00	4.04E+00		1.38E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Antimony-125	-6.67E-01	1.10E+00	3.67E+00		1.11E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Antimony-125	1.54E+00	1.52E+00	5.19E+00		1.57E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Antimony-125	6.10E-01	1.28E+00	4.30E+00		1.28E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Antimony-125	8.49E-01	1.75E+00	6.04E+00		1.76E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Antimony-125	-1.79E+00	1.37E+00	4.37E+00		1.43E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Barium-140	1.43E+00	2.41E+00	8.08E+00	1.50E+01	2.43E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Barium-140	-3.53E+00	3.68E+00	8.48E+00	1.50E+01	3.77E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Barium-140	-2.13E-01	3.07E+00	9.85E+00	1.50E+01	3.07E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Barium-140	-2.38E-01	2.64E+00	8.61E+00	1.50E+01	2.64E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Barium-140	1.84E+00	2.40E+00	8.03E+00	1.50E+01	2.44E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Barium-140	8.98E-01	2.36E+00	7.78E+00	1.50E+01	2.37E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Barium-140	1.76E+00	2.78E+00	9.25E+00	1.50E+01	2.81E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Barium-140	-8.32E-01	2.98E+00	9.71E+00	1.50E+01	2.98E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Barium-140	5.29E+00	2.42E+00	8.52E+00	1.50E+01	2.72E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Barium-140	4.13E+00	2.88E+00	9.88E+00	1.50E+01	3.04E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Barium-140	1.37E+00	2.70E+00	8.94E+00	1.50E+01	2.71E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Barium-140	-8.23E-01	2.19E+00	7.06E+00	1.50E+01	2.19E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Barium-140	3.57E+00	2.34E+00	8.08E+00	1.50E+01	2.49E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Barium-140	-1.51E+00	1.95E+00	6.36E+00	1.50E+01	1.98E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Barium-140	-2.32E+00	2.90E+00	9.29E+00	1.50E+01	2.96E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Barium-140	2.57E-01	2.29E+00	7.51E+00	1.50E+01	2.29E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Barium-140	-1.91E+00	3.84E+00	1.12E+01	1.50E+01	3.86E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Barium-140	-4.61E+00	2.50E+00	7.76E+00	1.50E+01	2.73E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Beryllium-7	-1.98E+00	4.71E+00	1.54E+01		4.73E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Beryllium-7	5.02E+00	4.48E+00	1.52E+01		4.63E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Beryllium-7	3.03E+00	5.37E+00	1.76E+01		5.42E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Beryllium-7	8.91E-01	4.50E+00	1.49E+01		4.50E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Beryllium-7	-2.50E+00	4.15E+00	1.35E+01		4.19E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Beryllium-7	4.22E+00	4.31E+00	1.46E+01		4.42E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Beryllium-7	1.92E+00	4.56E+00	1.51E+01		4.58E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Beryllium-7	-6.11E+00	5.28E+00	1.68E+01		5.47E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Beryllium-7	-1.75E+00	4.11E+00	1.35E+01		4.13E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Beryllium-7	5.94E-01	4.58E+00	1.52E+01		4.59E+00	pCi/L	U

M-8(430427001) - Milk	10-Aug-17	Beryllium-7	1.79E-01	4.60E+00	1.52E+01		4.60E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Beryllium-7	-4.10E+00	4.18E+00	1.34E+01		4.28E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Beryllium-7	-1.39E+00	3.80E+00	1.25E+01		3.81E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Beryllium-7	1.40E+00	3.45E+00	1.18E+01		3.47E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Beryllium-7	-7.64E+00	5.12E+00	1.62E+01		5.42E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Beryllium-7	-5.62E+00	4.32E+00	1.37E+01		4.51E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Beryllium-7	2.63E+00	6.16E+00	1.90E+01		6.19E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Beryllium-7	-4.38E+00	4.55E+00	1.46E+01		4.67E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cerium-141	4.36E-01	9.67E-01	3.33E+00		9.72E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Cerium-141	-1.65E+00	1.29E+00	3.18E+00		1.34E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cerium-141	3.31E-01	1.19E+00	3.43E+00		1.19E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cerium-141	1.91E+00	1.93E+00	2.91E+00		1.93E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cerium-141	2.20E+00	1.06E+00	3.03E+00		1.06E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cerium-141	-5.83E-01	9.32E-01	2.69E+00		9.41E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cerium-141	-1.00E+00	1.18E+00	3.00E+00		1.20E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cerium-141	-4.90E-01	1.02E+00	3.28E+00		1.02E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cerium-141	-9.12E+00	1.63E+00	2.96E+00		2.69E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cerium-141	-2.20E+00	1.52E+00	3.17E+00		1.61E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cerium-141	-7.66E-01	9.35E-01	2.95E+00		9.52E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cerium-141	-4.01E+00	1.33E+00	2.79E+00		1.62E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cerium-141	-4.25E+00	1.22E+00	2.72E+00		1.58E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cerium-141	-6.96E-01	7.35E-01	2.33E+00		7.52E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cerium-141	-1.51E+00	1.07E+00	3.59E+00		1.12E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cerium-141	-4.31E+00	1.33E+00	2.85E+00		1.67E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cerium-141	-8.80E-01	1.07E+00	3.48E+00		1.09E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cerium-141	1.46E+00	1.89E+00	3.17E+00		1.89E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cerium-144	5.13E+00	4.59E+00	1.24E+01		4.59E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Cerium-144	5.62E+00	3.98E+00	1.27E+01		4.18E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cerium-144	-2.12E+00	4.13E+00	1.28E+01		4.16E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cerium-144	6.80E-01	3.80E+00	1.20E+01		3.80E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cerium-144	4.50E+00	3.32E+00	1.09E+01		3.48E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cerium-144	3.97E+00	3.24E+00	1.06E+01		3.37E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cerium-144	8.87E-01	3.33E+00	1.07E+01		3.33E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cerium-144	-7.45E+00	4.04E+00	1.27E+01		4.40E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cerium-144	-2.69E+00	3.57E+00	1.12E+01		3.62E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cerium-144	-2.89E+00	3.74E+00	1.16E+01		3.80E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cerium-144	-7.37E+00	3.43E+00	1.06E+01		3.83E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cerium-144	3.44E-01	3.43E+00	1.10E+01		3.43E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cerium-144	2.87E+00	3.10E+00	1.02E+01		3.17E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cerium-144	2.83E+00	2.79E+00	9.22E+00		2.86E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cerium-144	2.26E+00	3.97E+00	1.37E+01		4.01E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cerium-144	1.68E-01	3.42E+00	1.10E+01		3.42E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cerium-144	3.91E+00	4.03E+00	1.36E+01		4.13E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cerium-144	-1.62E+00	3.72E+00	1.27E+01		3.74E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cesium-134	-3.27E-01	6.51E-01	2.06E+00	1.50E+01	6.55E-01	pCi/L	U

M-8(416164001) - Milk	9-Feb-17	Cesium-134	-2.61E-01	6.31E-01	1.88E+00	1.50E+01	6.34E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cesium-134	4.71E-01	6.94E-01	2.37E+00	1.50E+01	7.03E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cesium-134	-8.77E-01	5.80E-01	1.73E+00	1.50E+01	6.15E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cesium-134	9.02E-02	5.64E-01	1.80E+00	1.50E+01	5.65E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cesium-134	-1.63E+00	9.95E-01	1.96E+00	1.50E+01	1.06E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cesium-134	1.66E-01	6.15E-01	2.11E+00	1.50E+01	6.17E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cesium-134	-1.61E-01	7.66E-01	2.42E+00	1.50E+01	7.67E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cesium-134	3.63E-01	5.52E-01	1.83E+00	1.50E+01	5.58E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cesium-134	1.76E-01	6.32E-01	2.04E+00	1.50E+01	6.33E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cesium-134	-6.83E-01	9.57E-01	1.78E+00	1.50E+01	9.70E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cesium-134	-5.20E-01	5.95E-01	1.82E+00	1.50E+01	6.07E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cesium-134	-5.51E-01	5.36E-01	1.66E+00	1.50E+01	5.52E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cesium-134	1.98E-01	4.55E-01	1.51E+00	1.50E+01	4.57E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cesium-134	-4.56E-01	6.65E-01	2.09E+00	1.50E+01	6.74E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cesium-134	5.95E-01	5.95E-01	1.96E+00	1.50E+01	6.11E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cesium-134	1.14E+00	8.12E-01	2.87E+00	1.50E+01	8.54E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cesium-134	2.57E-01	6.63E-01	2.17E+00	1.50E+01	6.65E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cesium-137	5.35E-01	6.12E-01	2.06E+00	1.80E+01	6.25E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Cesium-137	1.56E+00	8.18E-01	1.67E+00	1.80E+01	8.19E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cesium-137	7.61E-01	6.60E-01	2.30E+00	1.80E+01	6.83E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cesium-137	-6.65E-01	5.65E-01	1.75E+00	1.80E+01	5.86E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cesium-137	3.82E-01	5.25E-01	1.73E+00	1.80E+01	5.32E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cesium-137	-9.96E-01	5.94E-01	1.80E+00	1.80E+01	6.37E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cesium-137	-5.01E-01	5.71E-01	1.77E+00	1.80E+01	5.82E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cesium-137	1.21E+00	7.01E-01	2.44E+00	1.80E+01	7.55E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cesium-137	5.97E-01	4.86E-01	1.66E+00	1.80E+01	5.06E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cesium-137	1.42E+00	6.00E-01	2.10E+00	1.80E+01	6.85E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cesium-137	-1.25E-01	5.18E-01	1.65E+00	1.80E+01	5.19E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cesium-137	-2.68E-01	5.43E-01	1.72E+00	1.80E+01	5.47E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cesium-137	6.31E-01	4.86E-01	1.65E+00	1.80E+01	5.08E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cesium-137	9.06E-01	4.54E-01	1.59E+00	1.80E+01	5.01E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cesium-137	1.13E+00	6.32E-01	2.18E+00	1.80E+01	6.84E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cesium-137	5.30E-01	5.55E-01	1.84E+00	1.80E+01	5.69E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cesium-137	5.89E-01	8.08E-01	2.73E+00	1.80E+01	8.20E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cesium-137	4.44E-01	6.26E-01	1.88E+00	1.80E+01	6.35E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Chromium-51	-3.27E+00	4.85E+00	1.60E+01		4.91E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Chromium-51	1.14E+01	5.84E+00	1.51E+01		5.85E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Chromium-51	2.13E+00	5.48E+00	1.83E+01		5.50E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Chromium-51	-1.94E+00	4.95E+00	1.65E+01		4.97E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Chromium-51	-2.30E+00	4.68E+00	1.57E+01		4.71E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Chromium-51	4.02E+00	4.32E+00	1.48E+01		4.42E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Chromium-51	3.01E+00	4.51E+00	1.54E+01		4.56E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Chromium-51	-1.07E+01	5.26E+00	1.70E+01		5.83E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Chromium-51	-1.78E+00	4.56E+00	1.54E+01		4.58E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Chromium-51	3.00E+00	5.02E+00	1.71E+01		5.07E+00	pCi/L	U

M-8(430427001) - Milk	10-Aug-17	Chromium-51	8.02E+00	4.62E+00	1.62E+01		4.98E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Chromium-51	2.73E+00	4.37E+00	1.50E+01		4.42E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Chromium-51	8.55E+00	4.37E+00	1.55E+01		4.81E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Chromium-51	1.70E+00	3.55E+00	1.23E+01		3.57E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Chromium-51	-4.83E+00	5.48E+00	1.80E+01		5.59E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Chromium-51	-3.67E+00	4.45E+00	1.48E+01		4.53E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Chromium-51	-1.76E+01	6.63E+00	1.89E+01		7.80E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Chromium-51	-4.59E-01	4.72E+00	1.58E+01		4.72E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cobalt-57	3.00E-01	5.18E-01	1.80E+00		5.23E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Cobalt-57	-4.24E-01	5.12E-01	1.57E+00		5.21E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cobalt-57	1.04E+00	5.57E-01	1.81E+00		6.06E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cobalt-57	2.22E-01	5.13E-01	1.63E+00		5.15E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cobalt-57	1.24E-01	4.39E-01	1.42E+00		4.40E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cobalt-57	-1.15E-01	4.22E-01	1.35E+00		4.22E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cobalt-57	3.59E-01	4.39E-01	1.43E+00		4.47E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cobalt-57	-9.16E-01	5.84E-01	1.62E+00		6.22E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cobalt-57	-3.05E-01	4.72E-01	1.49E+00		4.77E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cobalt-57	-6.87E-01	5.55E-01	1.56E+00		5.77E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cobalt-57	-2.76E-01	4.58E-01	1.47E+00		4.63E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cobalt-57	-2.43E-01	4.49E-01	1.44E+00		4.52E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cobalt-57	3.58E-01	4.14E-01	1.36E+00		4.22E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cobalt-57	3.64E-01	3.63E-01	1.21E+00		3.73E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cobalt-57	1.70E-01	5.18E-01	1.79E+00		5.20E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cobalt-57	5.99E-02	4.34E-01	1.41E+00		4.35E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cobalt-57	-3.55E-01	5.34E-01	1.76E+00		5.41E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cobalt-57	-3.05E-01	4.93E-01	1.68E+00		4.98E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cobalt-58	-2.25E-01	6.35E-01	2.02E+00		6.37E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Cobalt-58	-1.92E+00	5.50E-01	1.50E+00		7.08E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cobalt-58	1.77E-01	5.99E-01	2.03E+00		6.01E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cobalt-58	-9.16E-01	5.87E-01	1.76E+00		6.25E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cobalt-58	-5.54E-01	5.00E-01	1.64E+00		5.16E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cobalt-58	-5.75E-02	5.19E-01	1.76E+00		5.19E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cobalt-58	-5.46E-01	5.63E-01	1.61E+00		5.77E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cobalt-58	7.54E-01	7.18E-01	2.40E+00		7.39E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cobalt-58	1.12E-01	5.19E-01	1.69E+00		5.20E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cobalt-58	6.57E-02	6.33E-01	1.81E+00		6.33E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cobalt-58	4.36E-02	5.08E-01	1.73E+00		5.08E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cobalt-58	-4.49E-01	5.68E-01	1.65E+00		5.77E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cobalt-58	2.32E-01	4.92E-01	1.61E+00		4.95E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cobalt-58	-5.70E-01	4.42E-01	1.37E+00		4.62E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cobalt-58	-7.34E-01	6.01E-01	1.84E+00		6.25E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cobalt-58	-2.48E-01	4.85E-01	1.62E+00		4.88E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cobalt-58	8.19E-01	7.55E-01	2.57E+00		7.79E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cobalt-58	-9.22E-01	5.75E-01	1.74E+00		6.14E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Cobalt-60	-9.99E-02	6.63E-01	2.23E+00		6.63E-01	pCi/L	U

M-8(416164001) - Milk	9-Feb-17	Cobalt-60	8.38E-01	5.27E-01	1.88E+00		5.61E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Cobalt-60	5.10E-01	7.04E-01	2.33E+00		7.14E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Cobalt-60	1.94E+00	6.85E-01	2.53E+00		8.22E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Cobalt-60	-3.96E-01	5.33E-01	1.68E+00		5.40E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Cobalt-60	6.57E-01	5.90E-01	2.02E+00		6.09E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Cobalt-60	2.05E+00	6.17E-01	2.29E+00		7.78E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Cobalt-60	-4.71E-01	7.53E-01	2.38E+00		7.61E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Cobalt-60	1.16E+00	7.79E-01	1.98E+00		8.26E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Cobalt-60	6.26E-01	6.42E-01	2.23E+00		6.59E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Cobalt-60	4.55E-01	5.40E-01	1.83E+00		5.50E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Cobalt-60	-7.98E-01	5.70E-01	1.75E+00		5.99E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Cobalt-60	-7.71E-01	5.57E-01	1.74E+00		5.86E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Cobalt-60	-9.81E-02	5.03E-01	1.68E+00		5.04E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Cobalt-60	-2.83E-02	6.53E-01	2.20E+00		6.53E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Cobalt-60	-3.25E-01	6.38E-01	2.04E+00		6.43E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Cobalt-60	1.46E+00	9.08E-01	3.27E+00		9.71E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Cobalt-60	5.77E-01	6.39E-01	2.24E+00		6.53E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Iodine-131	-3.26E-03	1.14E-01	3.84E-01	1.00E+00	1.14E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Iodine-131	2.18E-01	2.02E-01	6.75E-01	1.00E+00	2.09E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Iodine-131	5.24E-02	1.96E-01	6.73E-01	1.00E+00	1.96E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Iodine-131	1.74E-01	1.79E-01	5.94E-01	1.00E+00	1.84E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Iodine-131	2.25E-01	1.88E-01	4.85E-01	1.00E+00	1.88E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Iodine-131	5.22E-02	1.56E-01	5.10E-01	1.00E+00	1.56E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Iodine-131	-1.39E-01	1.98E-01	6.36E-01	1.00E+00	2.01E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Iodine-131	2.58E-01	1.47E-01	5.20E-01	1.00E+00	1.59E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Iodine-131	2.58E-01	2.16E-01	7.04E-01	1.00E+00	2.24E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Iodine-131	3.00E-01	2.06E-01	7.30E-01	1.00E+00	2.17E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Iodine-131	2.03E-01	1.95E-01	6.32E-01	1.00E+00	2.00E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Iodine-131	2.58E-01	1.50E-01	5.36E-01	1.00E+00	1.62E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Iodine-131	1.18E-01	2.67E-01	9.16E-01	1.00E+00	2.68E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Iodine-131	-1.71E-01	1.73E-01	5.38E-01	1.00E+00	1.77E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Iodine-131	-2.68E-01	3.00E-01	9.67E-01	1.00E+00	3.07E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Iodine-131	1.46E-01	2.25E-01	7.77E-01	1.00E+00	2.27E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Iodine-131	-4.39E-01	1.89E-01	5.81E-01	1.00E+00	2.14E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Iodine-131	-3.38E-02	1.37E-01	4.49E-01	1.00E+00	1.37E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Iron-59	-8.16E-02	1.29E+00	4.07E+00		1.29E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Iron-59	3.24E+00	3.69E+00	3.24E+00		4.06E+00	pCi/L	UI
M-8(418391001) - Milk	9-Mar-17	Iron-59	-3.15E+00	1.42E+00	4.29E+00		1.60E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Iron-59	9.76E-02	1.23E+00	4.17E+00		1.23E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Iron-59	-4.04E-01	1.28E+00	4.20E+00		1.28E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Iron-59	-9.87E-01	1.26E+00	4.07E+00		1.28E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Iron-59	3.49E-01	1.23E+00	4.12E+00		1.23E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Iron-59	-1.65E+00	1.57E+00	4.99E+00		1.62E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Iron-59	1.39E+00	1.16E+00	4.10E+00		1.21E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Iron-59	-1.00E+00	1.32E+00	4.33E+00		1.34E+00	pCi/L	U

M-8(430427001) - Milk	10-Aug-17	Iron-59	1.03E+00	1.25E+00	4.26E+00		1.27E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Iron-59	-3.16E-01	1.17E+00	3.84E+00		1.17E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Iron-59	4.85E-01	1.19E+00	4.05E+00		1.19E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Iron-59	-7.61E-01	1.12E+00	3.49E+00		1.14E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Iron-59	-4.13E+00	1.55E+00	4.38E+00		1.83E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Iron-59	-1.42E+00	1.21E+00	3.86E+00		1.26E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Iron-59	-6.52E-01	1.83E+00	6.08E+00		1.83E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Iron-59	2.68E+00	1.36E+00	4.64E+00		1.50E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Lanthanum-140	-1.47E+00	8.01E-01	2.40E+00	1.50E+01	8.71E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Lanthanum-140	9.80E-01	7.24E-01	2.35E+00	1.50E+01	7.59E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Lanthanum-140	-1.39E+00	8.27E-01	2.53E+00	1.50E+01	8.87E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Lanthanum-140	2.39E-03	6.93E-01	2.28E+00	1.50E+01	6.93E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Lanthanum-140	-6.98E-01	7.39E-01	2.24E+00	1.50E+01	7.57E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Lanthanum-140	-5.80E-01	7.05E-01	2.14E+00	1.50E+01	7.18E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Lanthanum-140	-1.30E+00	9.85E-01	2.92E+00	1.50E+01	1.03E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Lanthanum-140	2.83E-01	9.28E-01	3.07E+00	1.50E+01	9.30E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Lanthanum-140	-5.96E-01	7.04E-01	2.21E+00	1.50E+01	7.18E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Lanthanum-140	9.96E-01	7.66E-01	2.10E+00	1.50E+01	8.00E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Lanthanum-140	5.71E-02	8.19E-01	2.65E+00	1.50E+01	8.19E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Lanthanum-140	-1.51E+00	7.05E-01	1.96E+00	1.50E+01	7.86E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Lanthanum-140	-1.61E-01	7.71E-01	2.49E+00	1.50E+01	7.72E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Lanthanum-140	-1.20E+00	6.38E-01	1.89E+00	1.50E+01	6.97E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Lanthanum-140	-2.08E-02	1.02E+00	3.40E+00	1.50E+01	1.02E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Lanthanum-140	1.54E-01	7.03E-01	2.29E+00	1.50E+01	7.04E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Lanthanum-140	-2.53E+00	1.23E+00	3.38E+00	1.50E+01	1.37E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Lanthanum-140	-6.50E-01	7.97E-01	2.55E+00	1.50E+01	8.11E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Manganese-54	2.14E-01	5.87E-01	1.92E+00		5.89E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Manganese-54	-1.20E+00	5.65E-01	1.65E+00		6.30E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Manganese-54	-4.47E-01	8.58E-01	2.06E+00		8.64E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Manganese-54	-9.91E-01	6.12E-01	1.83E+00		6.54E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Manganese-54	6.12E-02	5.61E-01	1.69E+00		5.61E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Manganese-54	4.99E-01	5.19E-01	1.81E+00		5.31E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Manganese-54	4.48E-01	5.24E-01	1.82E+00		5.34E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Manganese-54	5.76E-01	7.00E-01	2.31E+00		7.12E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Manganese-54	3.07E-01	4.91E-01	1.62E+00		4.96E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Manganese-54	-2.35E-01	5.43E-01	1.70E+00		5.46E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Manganese-54	7.23E-01	5.37E-01	1.89E+00		5.63E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Manganese-54	7.58E-01	5.01E-01	1.78E+00		5.31E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Manganese-54	-2.53E-01	5.04E-01	1.58E+00		5.08E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Manganese-54	1.12E-01	5.17E-01	1.51E+00		5.18E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Manganese-54	-3.01E-01	9.26E-01	1.96E+00		9.29E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Manganese-54	6.72E-02	4.86E-01	1.66E+00		4.87E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Manganese-54	-8.31E-01	7.42E-01	2.25E+00		7.67E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Manganese-54	4.11E-01	5.64E-01	1.87E+00		5.72E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Niobium-95	-1.05E+00	9.40E-01	2.03E+00		9.71E-01	pCi/L	U

M-8(416164001) - Milk	9-Feb-17	Niobium-95	-7.01E-01	5.52E-01	1.68E+00		5.75E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Niobium-95	2.41E-01	1.04E+00	2.34E+00		1.04E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Niobium-95	-3.49E-01	5.63E-01	1.76E+00		5.69E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Niobium-95	3.93E-01	5.60E-01	1.64E+00		5.67E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Niobium-95	-3.26E-01	5.74E-01	1.78E+00		5.79E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Niobium-95	-3.37E-01	5.94E-01	1.85E+00		5.99E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Niobium-95	9.67E-01	7.00E-01	2.38E+00		7.35E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Niobium-95	2.65E-01	8.68E-01	1.87E+00		8.71E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Niobium-95	1.26E-01	6.14E-01	1.98E+00		6.14E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Niobium-95	-4.95E-01	5.74E-01	1.77E+00		5.85E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Niobium-95	1.17E+00	5.45E-01	1.86E+00		6.09E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Niobium-95	-1.36E-01	5.32E-01	1.70E+00		5.33E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Niobium-95	1.43E+00	4.72E-01	1.43E+00		6.17E-01	pCi/L	UI
M-8(435144001) - Milk	12-Oct-17	Niobium-95	-1.67E+00	9.64E-01	2.12E+00		1.04E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Niobium-95	6.89E-01	5.30E-01	1.76E+00		5.54E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Niobium-95	1.31E-01	7.96E-01	2.60E+00		7.97E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Niobium-95	-3.68E-01	9.93E-01	1.94E+00		9.97E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Potassium-40	1.34E+03	3.19E+01	1.47E+01		4.79E+01	pCi/L	
M-8(416164001) - Milk	9-Feb-17	Potassium-40	1.39E+03	2.90E+01	1.43E+01		4.68E+01	pCi/L	
M-8(418391001) - Milk	9-Mar-17	Potassium-40	1.38E+03	3.48E+01	1.97E+01		5.07E+01	pCi/L	
M-8(420734001) - Milk	13-Apr-17	Potassium-40	1.37E+03	3.02E+01	1.53E+01		6.87E+01	pCi/L	
M-8(423049001) - Milk	11-May-17	Potassium-40	1.40E+03	2.96E+01	1.40E+01		4.75E+01	pCi/L	
M-8(424153001) - Milk	25-May-17	Potassium-40	1.47E+03	3.27E+01	1.31E+01		5.09E+01	pCi/L	
M-8(425122001) - Milk	8-Jun-17	Potassium-40	1.39E+03	3.10E+01	1.66E+01		4.82E+01	pCi/L	
M-8(426228001) - Milk	22-Jun-17	Potassium-40	1.37E+03	3.76E+01	2.02E+01		7.58E+01	pCi/L	
M-8(427879001) - Milk	13-Jul-17	Potassium-40	1.48E+03	3.19E+01	1.54E+01		8.83E+01	pCi/L	
M-8(429134002) - Milk	27-Jul-17	Potassium-40	1.37E+03	3.12E+01	1.60E+01		6.89E+01	pCi/L	
M-8(430427001) - Milk	10-Aug-17	Potassium-40	1.39E+03	2.89E+01	1.54E+01		4.69E+01	pCi/L	
M-8(431546001) - Milk	24-Aug-17	Potassium-40	1.37E+03	2.94E+01	1.51E+01		4.68E+01	pCi/L	
M-8(432856001) - Milk	14-Sep-17	Potassium-40	1.47E+03	2.86E+01	1.44E+01		8.02E+01	pCi/L	
M-8(433888001) - Milk	28-Sep-17	Potassium-40	1.37E+03	2.83E+01	1.21E+01		6.76E+01	pCi/L	
M-8(435144001) - Milk	12-Oct-17	Potassium-40	1.40E+03	3.20E+01	1.76E+01		7.37E+01	pCi/L	
M-8(436424002) - Milk	26-Oct-17	Potassium-40	1.39E+03	3.03E+01	1.31E+01		7.50E+01	pCi/L	
M-8(437643002) - Milk	9-Nov-17	Potassium-40	1.40E+03	4.13E+01	2.39E+01		7.69E+01	pCi/L	
M-8(440123001) - Milk	14-Dec-17	Potassium-40	1.40E+03	3.08E+01	1.85E+01		7.32E+01	pCi/L	
M-8(414255001) - Milk	12-Jan-17	Ruthenium-103	6.11E-01	5.93E-01	1.83E+00		6.10E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Ruthenium-103	-4.51E-01	5.90E-01	1.67E+00		5.99E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Ruthenium-103	2.16E-01	7.11E-01	2.06E+00		7.12E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Ruthenium-103	6.59E-01	6.08E-01	1.87E+00		6.28E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Ruthenium-103	-1.49E+00	5.29E-01	1.60E+00		6.31E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Ruthenium-103	4.65E-01	5.86E-01	1.77E+00		5.95E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Ruthenium-103	-4.26E-01	5.72E-01	1.83E+00		5.80E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Ruthenium-103	-9.57E-01	6.19E-01	1.93E+00		6.58E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Ruthenium-103	-1.67E-01	5.05E-01	1.66E+00		5.07E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Ruthenium-103	-3.76E-01	5.95E-01	1.92E+00		6.02E-01	pCi/L	U

M-8(430427001) - Milk	10-Aug-17	Ruthenium-103	7.04E-01	5.88E-01	1.81E+00		6.10E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Ruthenium-103	6.14E-01	6.15E-01	1.52E+00		6.31E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Ruthenium-103	-8.08E-01	7.68E-01	1.52E+00		7.91E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Ruthenium-103	1.24E-02	4.38E-01	1.32E+00		4.38E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Ruthenium-103	-5.86E-01	6.36E-01	2.04E+00		6.50E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Ruthenium-103	-7.06E-01	5.05E-01	1.59E+00		5.31E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Ruthenium-103	-4.43E-01	6.70E-01	2.20E+00		6.78E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Ruthenium-103	1.61E-02	5.99E-01	1.77E+00		5.99E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Ruthenium-106	-6.50E+00	5.16E+00	1.61E+01		5.38E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Ruthenium-106	2.53E+00	4.84E+00	1.59E+01		4.88E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Ruthenium-106	5.81E+00	5.74E+00	1.88E+01		5.90E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Ruthenium-106	2.86E+00	4.92E+00	1.63E+01		4.96E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Ruthenium-106	-1.53E+00	4.92E+00	1.57E+01		4.93E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Ruthenium-106	-1.04E+01	5.22E+00	1.35E+01		5.75E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Ruthenium-106	-6.39E+00	4.43E+00	1.35E+01		4.67E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Ruthenium-106	2.55E+00	5.57E+00	1.85E+01		5.60E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Ruthenium-106	6.35E+00	4.41E+00	1.51E+01		4.66E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Ruthenium-106	-1.08E+00	4.70E+00	1.51E+01		4.71E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Ruthenium-106	6.28E-01	4.47E+00	1.45E+01		4.47E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Ruthenium-106	-1.23E+00	4.43E+00	1.42E+01		4.44E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Ruthenium-106	4.20E+00	4.23E+00	1.42E+01		4.34E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Ruthenium-106	-1.84E+00	3.68E+00	1.20E+01		3.71E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Ruthenium-106	1.55E+00	5.18E+00	1.71E+01		5.20E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Ruthenium-106	-2.22E+00	4.54E+00	1.44E+01		4.57E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Ruthenium-106	7.14E+00	6.23E+00	2.15E+01		6.45E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Ruthenium-106	-2.58E+00	4.99E+00	1.60E+01		5.02E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Selenium-75	2.06E+00	9.47E-01	2.55E+00		1.06E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Selenium-75	8.65E-01	6.59E-01	2.27E+00		6.88E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Selenium-75	4.18E-01	7.58E-01	2.57E+00		7.64E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Selenium-75	-1.85E-01	6.98E-01	2.35E+00		6.99E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Selenium-75	2.19E-01	6.43E-01	2.21E+00		6.45E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Selenium-75	-2.51E-01	6.23E-01	2.11E+00		6.26E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Selenium-75	-4.25E-01	6.26E-01	2.10E+00		6.33E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Selenium-75	-5.10E-01	8.89E-01	2.74E+00		8.97E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Selenium-75	-1.35E-01	8.58E-01	2.33E+00		8.59E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Selenium-75	3.73E-01	7.16E-01	2.45E+00		7.21E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Selenium-75	2.02E-01	6.90E-01	2.14E+00		6.92E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Selenium-75	-5.19E-01	6.21E-01	2.09E+00		6.33E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Selenium-75	-1.11E+00	6.01E-01	2.00E+00		6.55E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Selenium-75	-1.25E-01	5.91E-01	1.84E+00		5.91E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Selenium-75	1.21E-02	7.75E-01	2.61E+00		7.75E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Selenium-75	3.67E-02	6.57E-01	2.25E+00		6.57E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Selenium-75	2.63E+00	1.01E+00	2.88E+00		1.18E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Selenium-75	-3.64E-01	7.77E-01	2.33E+00		7.82E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Silver-108m	-5.11E-01	4.98E-01	1.60E+00		5.12E-01	pCi/L	U

M-8(416164001) - Milk	9-Feb-17	Silver-108m	-2.81E-01	4.56E-01	1.48E+00		4.61E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Silver-108m	-1.95E+00	6.30E-01	1.64E+00		7.75E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Silver-108m	1.29E-02	4.55E-01	1.51E+00		4.55E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Silver-108m	-2.61E-01	4.39E-01	1.44E+00		4.44E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Silver-108m	3.27E-01	4.26E-01	1.44E+00		4.33E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Silver-108m	-1.81E-01	4.58E-01	1.50E+00		4.60E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Silver-108m	6.64E-01	5.64E-01	1.96E+00		5.85E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Silver-108m	5.98E-01	4.16E-01	1.44E+00		4.39E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Silver-108m	8.82E-01	8.18E-01	1.62E+00		8.44E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Silver-108m	-1.35E-01	4.29E-01	1.41E+00		4.31E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Silver-108m	-1.09E+00	4.44E-01	1.38E+00		5.10E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Silver-108m	-7.82E-01	4.14E-01	1.32E+00		4.53E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Silver-108m	5.42E-01	7.38E-01	1.20E+00		7.49E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Silver-108m	-1.37E-01	5.00E-01	1.65E+00		5.01E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Silver-108m	1.77E-01	4.29E-01	1.44E+00		4.31E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Silver-108m	8.91E-01	6.07E-01	2.15E+00		6.41E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Silver-108m	-4.36E-02	4.90E-01	1.62E+00		4.90E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Silver-110m	8.31E-02	8.69E-01	2.80E+00		8.69E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Silver-110m	9.62E-01	7.42E-01	2.37E+00		7.75E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Silver-110m	3.58E-01	8.93E-01	3.01E+00		8.96E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Silver-110m	-8.91E-01	8.84E-01	2.35E+00		9.09E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Silver-110m	-9.66E-01	6.70E-01	2.16E+00		7.07E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Silver-110m	6.82E-01	7.58E-01	2.47E+00		7.74E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Silver-110m	7.06E-01	7.41E-01	2.58E+00		7.58E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Silver-110m	-9.38E-01	9.26E-01	3.02E+00		9.52E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Silver-110m	1.23E+00	7.05E-01	2.41E+00		7.62E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Silver-110m	-8.18E-02	8.05E-01	2.55E+00		8.05E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Silver-110m	7.66E-01	1.14E+00	2.41E+00		1.15E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Silver-110m	-7.60E-01	7.14E-01	2.33E+00		7.35E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Silver-110m	6.10E-01	6.89E-01	2.27E+00		7.04E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Silver-110m	4.32E-01	6.25E-01	2.08E+00		6.33E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Silver-110m	4.49E-01	8.51E-01	2.79E+00		8.57E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Silver-110m	7.34E-01	6.85E-01	2.39E+00		7.06E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Silver-110m	7.36E-02	1.06E+00	3.41E+00		1.06E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Silver-110m	3.87E-01	7.73E-01	2.53E+00		7.78E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Strontium-89	-3.64E+00	4.84E-01	2.28E+00	1.00E+01	6.28E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Strontium-89	-1.83E+00	2.50E-01	1.53E+00	1.00E+01	3.90E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Strontium-89	-3.48E+00	2.68E-01	1.47E+00	1.00E+01	4.74E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Strontium-89	-2.07E+00	2.44E-01	1.55E+00	1.00E+01	4.82E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Strontium-89	3.85E-01	5.48E-01	1.70E+00	1.00E+01	7.45E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Strontium-89	-2.28E-01	4.32E-01	1.49E+00	1.00E+01	6.04E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Strontium-89	-8.77E-01	7.00E-01	2.47E+00	1.00E+01	8.96E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Strontium-89	-1.25E+00	3.42E-01	1.53E+00	1.00E+01	5.41E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Strontium-89	-3.04E+00	3.95E-01	2.11E+00	1.00E+01	7.76E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Strontium-89	7.24E-01	6.50E-01	1.99E+00	1.00E+01	7.61E-01	pCi/L	U

M-8(430427001) - Milk	10-Aug-17	Strontium-89	2.38E-01	5.34E-01	1.71E+00	1.00E+01	6.20E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Strontium-89	-1.28E+00	3.89E-01	1.63E+00	1.00E+01	5.82E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Strontium-89	-5.01E+00	4.71E-01	2.64E+00	1.00E+01	6.61E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Strontium-89	-2.79E+00	3.80E-01	1.99E+00	1.00E+01	6.59E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Strontium-89	-3.13E+00	3.55E-01	2.08E+00	1.00E+01	5.88E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Strontium-89	-1.06E+00	2.86E-01	9.95E-01	1.00E+01	5.70E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Strontium-89	-8.72E-01	3.81E-01	1.54E+00	1.00E+01	5.28E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Strontium-89	-1.34E+00	4.28E-01	1.80E+00	1.00E+01	6.23E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Strontium-90	1.94E-01	3.61E-01	1.56E+00	2.00E+00	4.90E-01	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Strontium-90	-1.14E+00	2.79E-01	1.66E+00	2.00E+00	4.18E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Strontium-90	-3.02E+00	3.36E-01	1.70E+00	2.00E+00	3.87E-01	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Strontium-90	1.20E+00	3.46E-01	1.75E+00	2.00E+00	6.13E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Strontium-90	-7.77E-01	3.33E-01	1.57E+00	2.00E+00	4.21E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Strontium-90	-3.10E-01	3.22E-01	1.64E+00	2.00E+00	4.73E-01	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Strontium-90	1.21E+00	3.98E-01	1.60E+00	2.00E+00	5.95E-01	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Strontium-90	7.84E-01	2.81E-01	1.28E+00	2.00E+00	4.33E-01	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Strontium-90	1.17E+00	4.92E-01	1.80E+00	2.00E+00	6.24E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Strontium-90	-4.16E-01	3.31E-01	1.62E+00	2.00E+00	4.52E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Strontium-90	-5.44E-01	3.09E-01	1.56E+00	2.00E+00	4.23E-01	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Strontium-90	-4.82E-01	3.52E-01	1.57E+00	2.00E+00	4.39E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Strontium-90	-3.12E-01	3.42E-01	1.48E+00	2.00E+00	4.23E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Strontium-90	8.96E-01	3.74E-01	1.55E+00	2.00E+00	5.48E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Strontium-90	6.98E-01	3.28E-01	1.32E+00	2.00E+00	4.76E-01	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Strontium-90	-7.51E-01	3.52E-01	1.58E+00	2.00E+00	4.28E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Strontium-90	-3.11E-01	2.68E-01	1.57E+00	2.00E+00	4.49E-01	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Strontium-90	-7.42E-01	3.15E-01	1.83E+00	2.00E+00	4.91E-01	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Zinc-65	-3.12E-02	1.48E+00	4.70E+00		1.48E+00	pCi/L	U
M-8(416164001) - Milk	9-Feb-17	Zinc-65	-1.39E+00	1.26E+00	4.07E+00		1.30E+00	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Zinc-65	-3.23E-01	1.70E+00	4.82E+00		1.70E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Zinc-65	-3.37E+00	1.22E+00	3.64E+00		1.45E+00	pCi/L	U
M-8(423049001) - Milk	11-May-17	Zinc-65	4.07E-01	1.42E+00	4.19E+00		1.42E+00	pCi/L	U
M-8(424153001) - Milk	25-May-17	Zinc-65	9.94E-01	1.31E+00	4.44E+00		1.33E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Zinc-65	1.16E+00	1.32E+00	4.49E+00		1.34E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Zinc-65	-1.19E+00	2.24E+00	5.92E+00		2.25E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Zinc-65	2.50E-01	1.45E+00	4.37E+00		1.45E+00	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Zinc-65	2.28E+00	1.30E+00	4.63E+00		1.40E+00	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Zinc-65	-3.60E+00	1.15E+00	3.38E+00		1.42E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Zinc-65	-1.02E-01	1.21E+00	4.01E+00		1.21E+00	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Zinc-65	-7.59E-01	1.11E+00	3.64E+00		1.12E+00	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Zinc-65	-1.22E+00	1.12E+00	3.39E+00		1.15E+00	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Zinc-65	1.06E+00	1.58E+00	5.13E+00		1.60E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Zinc-65	1.70E-01	1.24E+00	4.13E+00		1.24E+00	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Zinc-65	5.62E-01	2.03E+00	6.92E+00		2.03E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Zinc-65	-2.52E+00	1.42E+00	4.15E+00		1.53E+00	pCi/L	U
M-8(414255001) - Milk	12-Jan-17	Zirconium-95	-9.63E-01	1.04E+00	3.23E+00		1.06E+00	pCi/L	U

M-8(416164001) - Milk	9-Feb-17	Zirconium-95	4.94E-01	9.88E-01	3.22E+00		9.94E-01	pCi/L	U
M-8(418391001) - Milk	9-Mar-17	Zirconium-95	1.58E-01	1.11E+00	3.74E+00		1.11E+00	pCi/L	U
M-8(420734001) - Milk	13-Apr-17	Zirconium-95	-4.44E-01	9.78E-01	3.08E+00		9.83E-01	pCi/L	U
M-8(423049001) - Milk	11-May-17	Zirconium-95	7.91E-01	9.63E-01	3.16E+00		9.80E-01	pCi/L	U
M-8(424153001) - Milk	25-May-17	Zirconium-95	-2.13E+00	1.61E+00	2.99E+00		1.69E+00	pCi/L	U
M-8(425122001) - Milk	8-Jun-17	Zirconium-95	-2.06E+00	1.28E+00	3.25E+00		1.36E+00	pCi/L	U
M-8(426228001) - Milk	22-Jun-17	Zirconium-95	-1.03E+00	1.15E+00	3.51E+00		1.17E+00	pCi/L	U
M-8(427879001) - Milk	13-Jul-17	Zirconium-95	5.95E-01	9.31E-01	3.09E+00		9.41E-01	pCi/L	U
M-8(429134002) - Milk	27-Jul-17	Zirconium-95	6.95E-01	9.58E-01	3.17E+00		9.71E-01	pCi/L	U
M-8(430427001) - Milk	10-Aug-17	Zirconium-95	-1.13E+00	1.00E+00	3.05E+00		1.03E+00	pCi/L	U
M-8(431546001) - Milk	24-Aug-17	Zirconium-95	6.48E-01	9.62E-01	3.14E+00		9.73E-01	pCi/L	U
M-8(432856001) - Milk	14-Sep-17	Zirconium-95	-2.56E-01	8.70E-01	2.77E+00		8.72E-01	pCi/L	U
M-8(433888001) - Milk	28-Sep-17	Zirconium-95	8.48E-02	8.44E-01	2.48E+00		8.44E-01	pCi/L	U
M-8(435144001) - Milk	12-Oct-17	Zirconium-95	-5.75E-01	1.05E+00	3.33E+00		1.06E+00	pCi/L	U
M-8(436424002) - Milk	26-Oct-17	Zirconium-95	2.82E-01	9.04E-01	2.91E+00		9.07E-01	pCi/L	U
M-8(437643002) - Milk	9-Nov-17	Zirconium-95	-2.18E+00	1.44E+00	4.35E+00		1.53E+00	pCi/L	U
M-8(440123001) - Milk	14-Dec-17	Zirconium-95	2.51E-01	1.13E+00	3.30E+00		1.13E+00	pCi/L	U

M-8QC
Milk

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
M-8QC(414255002) - Milk	12-Jan-17	Actinium-228	3.77E+00	4.08E+00	5.52E+00		4.08E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Actinium-228	1.97E-01	3.94E+00	6.23E+00		3.94E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Actinium-228	4.16E+00	4.48E+00	9.08E+00		4.58E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Actinium-228	1.33E+00	4.04E+00	7.14E+00		4.05E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Actinium-228	-9.39E-01	3.02E+00	7.73E+00		3.03E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Actinium-228	1.24E+00	3.67E+00	7.06E+00		3.68E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Actinium-228	-6.49E+00	3.21E+00	7.63E+00		3.54E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Actinium-228	-3.51E-01	5.04E+00	1.39E+01		5.04E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Actinium-228	-6.14E+00	5.19E+00	1.15E+01		5.38E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Actinium-228	1.28E+01	6.39E+00	1.28E+01		7.07E+00	pCi/L	UI
M-8QC(430427002) - Milk	10-Aug-17	Actinium-228	-2.22E+00	3.35E+00	7.80E+00		3.39E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Actinium-228	-5.21E+00	3.29E+00	7.26E+00		3.51E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Actinium-228	-7.56E+00	3.67E+00	7.61E+00		4.07E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Actinium-228	-3.87E-01	3.58E+00	8.33E+00		3.58E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Actinium-228	-6.83E+00	3.88E+00	8.45E+00		4.20E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Actinium-228	7.12E+00	6.09E+00	7.12E+00		6.10E+00	pCi/L	UI
M-8QC(437643001) - Milk	9-Nov-17	Actinium-228	8.68E+00	5.78E+00	9.47E+00		6.13E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Actinium-228	-5.32E+00	3.19E+00	7.90E+00		3.43E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Antimony-124	2.46E+00	1.10E+00	2.76E+00		1.24E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Antimony-124	2.32E+00	1.04E+00	3.86E+00		1.17E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Antimony-124	3.93E-01	1.31E+00	4.33E+00		1.31E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Antimony-124	1.25E-01	9.74E-01	3.29E+00		9.75E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Antimony-124	1.82E-01	8.42E-01	2.87E+00		8.43E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Antimony-124	6.16E-01	8.60E-01	2.93E+00		8.72E-01	pCi/L	U

M-8QC(425122002) - Milk	8-Jun-17	Antimony-124	-8.49E-01	1.08E+00	3.33E+00		1.09E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Antimony-124	-3.66E-01	1.85E+00	5.19E+00		1.85E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Antimony-124	-2.65E+00	1.69E+00	4.69E+00		1.80E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Antimony-124	3.68E-01	1.76E+00	5.80E+00		1.76E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Antimony-124	2.16E-01	9.92E-01	3.38E+00		9.93E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Antimony-124	-6.49E-01	1.19E+00	3.27E+00		1.20E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Antimony-124	-2.31E-01	1.11E+00	3.56E+00		1.11E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Antimony-124	-6.55E-01	1.12E+00	3.50E+00		1.13E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Antimony-124	-4.49E-01	1.18E+00	3.88E+00		1.18E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Antimony-124	1.27E+00	1.01E+00	3.65E+00		1.05E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Antimony-124	2.57E-01	1.31E+00	4.36E+00		1.31E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Antimony-124	9.11E-01	1.02E+00	3.61E+00		1.04E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Antimony-125	8.52E-01	1.18E+00	4.08E+00		1.20E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Antimony-125	-1.20E+00	1.26E+00	4.12E+00		1.29E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Antimony-125	-2.34E+00	1.51E+00	4.70E+00		1.60E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Antimony-125	-5.73E-01	1.18E+00	3.97E+00		1.19E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Antimony-125	4.17E+00	2.35E+00	4.21E+00		2.54E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Antimony-125	3.68E-01	1.24E+00	4.15E+00		1.24E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Antimony-125	8.48E-02	1.47E+00	4.84E+00		1.47E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Antimony-125	1.30E+00	2.60E+00	7.43E+00		2.62E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Antimony-125	-2.58E+00	1.69E+00	5.44E+00		1.79E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Antimony-125	-1.46E+00	1.67E+00	5.50E+00		1.70E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Antimony-125	1.91E+00	1.25E+00	4.29E+00		1.33E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Antimony-125	-2.01E+00	1.50E+00	4.30E+00		1.58E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Antimony-125	8.55E-01	1.41E+00	4.75E+00		1.42E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Antimony-125	-2.08E+00	1.48E+00	4.72E+00		1.56E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Antimony-125	4.89E-01	1.45E+00	4.78E+00		1.45E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Antimony-125	-6.10E-01	1.52E+00	4.90E+00		1.53E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Antimony-125	7.27E-01	1.62E+00	5.48E+00		1.63E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Antimony-125	-3.02E-01	1.43E+00	4.66E+00		1.43E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Barium-140	-3.10E+00	1.90E+00	6.09E+00	1.50E+01	2.03E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Barium-140	-8.47E-01	2.50E+00	8.19E+00	1.50E+01	2.50E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Barium-140	-4.41E+00	4.11E+00	9.57E+00	1.50E+01	4.24E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Barium-140	3.41E+00	2.33E+00	8.10E+00	1.50E+01	2.46E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Barium-140	-2.53E+00	2.32E+00	7.31E+00	1.50E+01	2.39E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Barium-140	2.02E+00	2.22E+00	7.47E+00	1.50E+01	2.27E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Barium-140	-6.44E-01	3.42E+00	1.11E+01	1.50E+01	3.43E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Barium-140	3.04E+00	4.26E+00	1.40E+01	1.50E+01	4.32E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Barium-140	5.01E+00	3.29E+00	1.16E+01	1.50E+01	3.49E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Barium-140	7.88E+00	5.08E+00	1.20E+01	1.50E+01	5.40E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Barium-140	-8.39E-01	2.60E+00	8.38E+00	1.50E+01	2.61E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Barium-140	-3.34E-01	2.30E+00	7.58E+00	1.50E+01	2.30E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Barium-140	1.30E+00	2.97E+00	9.85E+00	1.50E+01	2.98E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Barium-140	-1.15E+00	2.51E+00	8.09E+00	1.50E+01	2.52E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Barium-140	7.80E+00	4.59E+00	8.49E+00	1.50E+01	4.60E+00	pCi/L	U

M-8QC(436424001) - Milk	26-Oct-17	Barium-140	8.17E-01	2.66E+00	8.63E+00	1.50E+01	2.67E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Barium-140	3.56E+00	2.89E+00	9.91E+00	1.50E+01	3.01E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Barium-140	-2.07E+00	2.73E+00	7.58E+00	1.50E+01	2.77E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Beryllium-7	-1.24E+00	3.57E+00	1.19E+01		3.58E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Beryllium-7	-3.43E+00	4.13E+00	1.35E+01		4.20E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Beryllium-7	-4.87E+00	4.88E+00	1.54E+01		5.01E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Beryllium-7	1.57E+00	3.93E+00	1.34E+01		3.94E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Beryllium-7	5.39E+00	3.88E+00	1.32E+01		4.07E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Beryllium-7	-1.66E+00	3.92E+00	1.28E+01		3.94E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Beryllium-7	-2.50E+00	4.81E+00	1.55E+01		4.84E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Beryllium-7	2.58E+00	7.60E+00	2.46E+01		7.62E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Beryllium-7	1.89E+01	7.63E+00	2.01E+01		7.68E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Beryllium-7	-4.01E+00	5.79E+00	1.90E+01		5.86E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Beryllium-7	-1.82E+00	4.24E+00	1.38E+01		4.27E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Beryllium-7	4.79E-01	3.95E+00	1.32E+01		3.95E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Beryllium-7	-5.39E+00	4.60E+00	1.46E+01		4.77E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Beryllium-7	-7.82E+00	4.55E+00	1.42E+01		4.91E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Beryllium-7	-6.84E+00	4.66E+00	1.45E+01		4.93E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Beryllium-7	-3.58E+00	4.87E+00	1.54E+01		4.94E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Beryllium-7	-3.24E+00	5.17E+00	1.69E+01		5.22E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Beryllium-7	5.83E+00	4.25E+00	1.43E+01		4.46E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cerium-141	4.33E-01	8.37E-01	2.51E+00		8.43E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cerium-141	-3.83E+00	1.41E+00	2.87E+00		1.67E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cerium-141	3.10E-01	1.01E+00	3.10E+00		1.02E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cerium-141	7.32E-02	9.55E-01	2.84E+00		9.55E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cerium-141	-1.90E+00	1.20E+00	2.47E+00		1.28E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cerium-141	1.71E+00	1.52E+00	2.42E+00		1.52E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Cerium-141	2.93E+00	1.89E+00	3.28E+00		1.89E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cerium-141	-5.42E-02	1.20E+00	3.88E+00		1.20E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cerium-141	-2.00E+00	1.11E+00	3.52E+00		1.20E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cerium-141	5.73E-01	2.21E+00	3.55E+00		2.21E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cerium-141	3.72E-01	8.56E-01	2.54E+00		8.60E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cerium-141	-3.76E+00	1.61E+00	3.07E+00		1.83E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cerium-141	-1.74E+00	1.05E+00	3.18E+00		1.13E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cerium-141	9.73E-01	1.03E+00	3.04E+00		1.05E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cerium-141	-3.97E+00	1.49E+00	3.12E+00		1.75E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Cerium-141	-5.35E+00	1.56E+00	3.20E+00		2.00E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cerium-141	-4.01E+00	1.56E+00	3.60E+00		1.82E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cerium-141	5.46E-01	1.00E+00	2.91E+00		1.01E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cerium-144	2.95E+00	3.18E+00	1.04E+01		3.25E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cerium-144	-4.34E+00	3.41E+00	1.07E+01		3.55E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cerium-144	-3.64E+00	3.62E+00	1.21E+01		3.71E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cerium-144	-3.29E+00	3.26E+00	1.04E+01		3.35E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cerium-144	5.13E+00	2.92E+00	9.62E+00		3.15E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cerium-144	2.58E+00	3.28E+00	9.75E+00		3.33E+00	pCi/L	U

M-8QC(425122002) - Milk	8-Jun-17	Cerium-144	2.19E+00	4.02E+00	1.26E+01		4.05E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cerium-144	-3.37E+00	4.64E+00	1.49E+01		4.70E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cerium-144	4.49E+00	4.08E+00	1.38E+01		4.21E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cerium-144	5.55E+00	4.02E+00	1.37E+01		4.23E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cerium-144	-2.02E+00	3.02E+00	9.57E+00		3.06E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cerium-144	-8.68E-02	3.67E+00	1.17E+01		3.67E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cerium-144	-5.00E+00	3.96E+00	1.22E+01		4.13E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cerium-144	-5.10E-01	3.84E+00	1.21E+01		3.84E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cerium-144	2.81E+00	3.80E+00	1.21E+01		3.86E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Cerium-144	7.30E+00	3.92E+00	1.28E+01		4.28E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cerium-144	4.39E-01	4.59E+00	1.47E+01		4.59E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cerium-144	-4.28E-01	3.59E+00	1.12E+01		3.59E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cesium-134	-9.47E-01	5.08E-01	1.56E+00	1.50E+01	5.53E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cesium-134	-3.69E-01	7.27E-01	1.85E+00	1.50E+01	7.32E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cesium-134	-7.41E-01	6.06E-01	1.98E+00	1.50E+01	6.30E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cesium-134	6.59E-01	5.22E-01	1.78E+00	1.50E+01	5.43E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cesium-134	3.75E-01	5.29E-01	1.83E+00	1.50E+01	5.36E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cesium-134	1.32E-01	5.16E-01	1.67E+00	1.50E+01	5.17E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Cesium-134	9.19E-01	5.94E-01	2.01E+00	1.50E+01	6.30E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cesium-134	1.79E-01	9.77E-01	3.31E+00	1.50E+01	9.78E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cesium-134	9.71E-01	1.04E+00	2.92E+00	1.50E+01	1.06E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cesium-134	-2.89E+00	1.47E+00	2.65E+00	1.50E+01	1.62E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cesium-134	2.00E-01	5.75E-01	1.75E+00	1.50E+01	5.77E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cesium-134	1.04E+00	5.69E-01	1.96E+00	1.50E+01	6.20E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cesium-134	-1.61E+00	8.70E-01	2.10E+00	1.50E+01	9.48E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cesium-134	-1.70E-01	6.14E-01	1.94E+00	1.50E+01	6.16E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cesium-134	1.02E+00	5.83E-01	2.08E+00	1.50E+01	6.30E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Cesium-134	-1.60E-02	6.33E-01	2.12E+00	1.50E+01	6.33E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cesium-134	4.56E-01	6.78E-01	2.24E+00	1.50E+01	6.86E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cesium-134	-5.53E-01	5.52E-01	1.80E+00	1.50E+01	5.67E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cesium-137	1.06E-01	4.73E-01	1.58E+00	1.80E+01	4.74E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cesium-137	-4.23E-01	5.41E-01	1.72E+00	1.80E+01	5.50E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cesium-137	7.84E-01	5.99E-01	2.00E+00	1.80E+01	6.26E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cesium-137	1.05E+00	6.78E-01	1.63E+00	1.80E+01	6.78E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cesium-137	9.01E-01	5.03E-01	1.70E+00	1.80E+01	5.44E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cesium-137	9.32E-01	5.16E-01	1.76E+00	1.80E+01	5.59E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Cesium-137	-2.48E-01	7.91E-01	1.87E+00	1.80E+01	7.93E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cesium-137	4.03E-02	9.92E-01	3.35E+00	1.80E+01	9.92E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cesium-137	1.22E+00	7.22E-01	2.54E+00	1.80E+01	7.76E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cesium-137	-6.15E-01	7.86E-01	2.50E+00	1.80E+01	7.99E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cesium-137	-2.09E-01	4.94E-01	1.56E+00	1.80E+01	4.96E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cesium-137	6.28E-01	5.15E-01	1.75E+00	1.80E+01	5.36E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cesium-137	6.52E-01	5.75E-01	1.94E+00	1.80E+01	5.94E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cesium-137	1.31E-01	5.60E-01	1.83E+00	1.80E+01	5.60E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cesium-137	1.11E+00	9.85E-01	1.85E+00	1.80E+01	9.86E-01	pCi/L	U

M-8QC(436424001) - Milk	26-Oct-17	Cesium-137	5.55E-01	5.74E-01	2.01E+00	1.80E+01	5.88E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cesium-137	4.16E-01	5.95E-01	1.99E+00	1.80E+01	6.02E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cesium-137	-3.89E-01	5.74E-01	1.78E+00	1.80E+01	5.81E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Chromium-51	1.64E+00	3.89E+00	1.35E+01		3.90E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Chromium-51	3.07E+00	4.53E+00	1.57E+01		4.59E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Chromium-51	-7.81E-01	5.02E+00	1.65E+01		5.03E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Chromium-51	2.12E+00	4.09E+00	1.42E+01		4.12E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Chromium-51	-1.02E+01	4.07E+00	1.31E+01		4.71E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Chromium-51	2.04E-01	3.88E+00	1.31E+01		3.88E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Chromium-51	-6.48E+00	5.11E+00	1.66E+01		5.32E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Chromium-51	6.39E+00	7.34E+00	2.42E+01		7.49E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Chromium-51	-4.22E-01	6.65E+00	2.08E+01		6.65E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Chromium-51	1.75E+01	8.99E+00	1.75E+01		9.06E+00	pCi/L	UI
M-8QC(430427002) - Milk	10-Aug-17	Chromium-51	3.03E+00	4.24E+00	1.45E+01		4.30E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Chromium-51	-1.31E+00	4.66E+00	1.57E+01		4.67E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Chromium-51	-1.46E+00	5.05E+00	1.69E+01		5.07E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Chromium-51	2.69E+00	4.94E+00	1.68E+01		4.98E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Chromium-51	7.67E+00	5.28E+00	1.82E+01		5.59E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Chromium-51	5.50E-01	4.93E+00	1.64E+01		4.93E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Chromium-51	-8.71E+00	8.64E+00	1.88E+01		8.88E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Chromium-51	-3.02E+00	4.73E+00	1.55E+01		4.78E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cobalt-57	-4.33E-01	4.20E-01	1.34E+00		4.32E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cobalt-57	3.28E-01	4.51E-01	1.48E+00		4.57E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cobalt-57	-2.30E-01	4.90E-01	1.65E+00		4.93E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cobalt-57	2.70E-01	4.28E-01	1.40E+00		4.32E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cobalt-57	4.33E-01	3.84E-01	1.26E+00		3.97E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cobalt-57	2.02E-01	3.80E-01	1.22E+00		3.83E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Cobalt-57	6.80E-01	5.31E-01	1.70E+00		5.54E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cobalt-57	2.99E-01	5.84E-01	1.91E+00		5.88E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cobalt-57	1.44E-01	5.22E-01	1.75E+00		5.23E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cobalt-57	-5.35E-01	8.04E-01	1.79E+00		8.14E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cobalt-57	3.18E-01	3.86E-01	1.26E+00		3.93E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cobalt-57	8.32E-01	4.84E-01	1.59E+00		5.22E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cobalt-57	-4.89E-01	4.93E-01	1.52E+00		5.06E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cobalt-57	7.84E-01	5.08E-01	1.65E+00		5.40E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cobalt-57	-6.09E-01	5.11E-01	1.57E+00		5.30E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Cobalt-57	8.23E-01	6.31E-01	1.65E+00		6.31E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cobalt-57	6.51E-01	5.83E-01	1.91E+00		6.03E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cobalt-57	4.30E-02	4.78E-01	1.51E+00		4.78E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cobalt-58	1.70E-01	4.27E-01	1.42E+00		4.29E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cobalt-58	4.98E-01	5.44E-01	1.64E+00		5.56E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cobalt-58	3.36E-01	5.64E-01	1.95E+00		5.69E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cobalt-58	1.15E-01	4.91E-01	1.62E+00		4.91E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cobalt-58	-1.39E-02	4.38E-01	1.49E+00		4.38E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cobalt-58	5.92E-01	4.85E-01	1.62E+00		5.04E-01	pCi/L	U

M-8QC(425122002) - Milk	8-Jun-17	Cobalt-58	-2.85E-01	5.72E-01	1.79E+00		5.76E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cobalt-58	-3.54E-01	9.61E-01	3.19E+00		9.64E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cobalt-58	1.40E+00	7.88E-01	2.75E+00		8.53E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cobalt-58	-1.40E-01	8.10E-01	2.59E+00		8.11E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cobalt-58	5.10E-01	5.00E-01	1.74E+00		5.13E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cobalt-58	-2.40E-01	5.26E-01	1.67E+00		5.29E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cobalt-58	4.88E-02	5.80E-01	1.86E+00		5.80E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cobalt-58	-6.85E-01	5.96E-01	1.82E+00		6.17E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cobalt-58	4.04E-01	5.45E-01	1.88E+00		5.53E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Cobalt-58	-8.70E-01	5.66E-01	1.79E+00		6.02E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cobalt-58	1.73E-02	6.49E-01	2.09E+00		6.49E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cobalt-58	-4.51E-01	5.09E-01	1.66E+00		5.20E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Cobalt-60	9.35E-01	4.97E-01	1.71E+00		5.42E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Cobalt-60	5.77E-01	5.57E-01	1.94E+00		5.73E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Cobalt-60	1.94E-01	6.05E-01	2.03E+00		6.07E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Cobalt-60	-1.90E+00	8.48E-01	1.65E+00		9.55E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Cobalt-60	2.35E-01	4.91E-01	1.63E+00		4.94E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Cobalt-60	-2.37E-01	5.13E-01	1.67E+00		5.15E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Cobalt-60	-1.19E-01	5.70E-01	1.88E+00		5.71E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Cobalt-60	3.32E-01	9.56E-01	3.24E+00		9.59E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Cobalt-60	7.96E-01	9.54E-01	3.30E+00		9.72E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Cobalt-60	-5.26E-01	8.93E-01	2.87E+00		9.02E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Cobalt-60	-1.28E-02	5.57E-01	1.59E+00		5.57E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Cobalt-60	-1.24E-01	5.84E-01	1.94E+00		5.85E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Cobalt-60	-6.56E-01	6.63E-01	2.11E+00		6.81E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Cobalt-60	6.66E-01	5.92E-01	2.07E+00		6.12E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Cobalt-60	-2.62E-01	6.59E-01	2.11E+00		6.62E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Cobalt-60	-6.16E-01	8.26E-01	2.21E+00		8.39E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Cobalt-60	1.55E-02	6.14E-01	2.05E+00		6.14E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Cobalt-60	-1.90E+00	6.40E-01	1.79E+00		7.82E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Iodine-131	-7.14E-02	1.16E-01	3.92E-01	1.00E+00	1.17E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Iodine-131	1.44E-01	2.47E-01	8.53E-01	1.00E+00	2.49E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Iodine-131	3.06E-01	1.98E-01	6.44E-01	1.00E+00	2.10E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Iodine-131	2.06E-01	3.29E-01	1.13E+00	1.00E+00	3.32E-01	pCi/L	DLU
M-8QC(423049002) - Milk	11-May-17	Iodine-131	1.07E-01	1.57E-01	5.37E-01	1.00E+00	1.59E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Iodine-131	-2.62E-01	1.81E-01	5.36E-01	1.00E+00	1.91E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Iodine-131	1.52E-01	2.14E-01	7.41E-01	1.00E+00	2.17E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Iodine-131	1.76E-01	1.32E-01	4.32E-01	1.00E+00	1.38E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Iodine-131	8.45E-03	2.14E-01	7.30E-01	1.00E+00	2.14E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Iodine-131	5.33E-01	2.21E-01	7.85E-01	1.00E+00	2.54E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Iodine-131	-2.60E-01	1.94E-01	6.32E-01	1.00E+00	2.04E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Iodine-131	2.82E-02	1.37E-01	4.39E-01	1.00E+00	1.38E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Iodine-131	6.88E-03	2.50E-01	7.96E-01	1.00E+00	2.50E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Iodine-131	1.80E-01	1.86E-01	6.46E-01	1.00E+00	1.90E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Iodine-131	-1.20E-01	2.90E-01	9.74E-01	1.00E+00	2.92E-01	pCi/L	U

M-8QC(436424001) - Milk	26-Oct-17	Iodine-131	1.11E-02	1.93E-01	6.14E-01	1.00E+00	1.93E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Iodine-131	3.19E-02	1.44E-01	4.94E-01	1.00E+00	1.44E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Iodine-131	3.81E-02	1.39E-01	4.78E-01	1.00E+00	1.39E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Iron-59	-1.19E+00	1.05E+00	3.22E+00		1.08E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Iron-59	-5.49E-01	1.10E+00	3.67E+00		1.11E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Iron-59	1.94E-01	1.30E+00	4.36E+00		1.30E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Iron-59	2.02E+00	1.10E+00	3.76E+00		1.20E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Iron-59	-2.96E-01	9.81E-01	3.22E+00		9.83E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Iron-59	-7.45E-01	1.03E+00	3.37E+00		1.04E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Iron-59	2.90E+00	2.78E+00	4.05E+00		2.86E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Iron-59	1.52E+00	2.12E+00	7.28E+00		2.15E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Iron-59	2.90E+00	1.96E+00	6.99E+00		2.08E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Iron-59	4.32E+00	2.91E+00	6.56E+00		3.08E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Iron-59	-6.70E-01	1.11E+00	3.62E+00		1.12E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Iron-59	1.09E+00	1.27E+00	3.97E+00		1.30E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Iron-59	2.46E+00	1.32E+00	4.74E+00		1.45E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Iron-59	-5.76E-01	1.23E+00	4.07E+00		1.24E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Iron-59	6.49E-01	1.38E+00	4.62E+00		1.39E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Iron-59	5.43E-01	1.36E+00	4.52E+00		1.37E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Iron-59	-4.97E-01	1.37E+00	4.44E+00		1.38E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Iron-59	8.66E-01	1.32E+00	4.41E+00		1.33E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Lanthanum-140	-4.40E-01	5.84E-01	1.89E+00	1.50E+01	5.93E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Lanthanum-140	1.40E-01	8.20E-01	2.41E+00	1.50E+01	8.21E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Lanthanum-140	-2.10E+00	8.01E-01	2.20E+00	1.50E+01	9.37E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Lanthanum-140	-1.05E+00	6.23E-01	1.90E+00	1.50E+01	6.69E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Lanthanum-140	-1.15E-01	1.19E+00	2.17E+00	1.50E+01	1.19E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Lanthanum-140	5.55E-01	6.70E-01	2.28E+00	1.50E+01	6.82E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Lanthanum-140	-6.68E-01	9.63E-01	3.04E+00	1.50E+01	9.75E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Lanthanum-140	1.89E+00	1.01E+00	3.64E+00	1.50E+01	1.10E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Lanthanum-140	-2.64E+00	1.49E+00	3.43E+00	1.50E+01	1.61E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Lanthanum-140	-5.18E-01	1.44E+00	3.95E+00	1.50E+01	1.44E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Lanthanum-140	8.19E-01	8.03E-01	2.70E+00	1.50E+01	8.25E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Lanthanum-140	-6.75E-01	6.92E-01	1.82E+00	1.50E+01	7.10E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Lanthanum-140	-8.89E-01	8.54E-01	2.61E+00	1.50E+01	8.79E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Lanthanum-140	-1.46E-02	7.52E-01	2.47E+00	1.50E+01	7.52E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Lanthanum-140	-8.12E-01	9.44E-01	2.86E+00	1.50E+01	9.63E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Lanthanum-140	1.89E-01	8.00E-01	2.38E+00	1.50E+01	8.01E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Lanthanum-140	5.12E-01	9.69E-01	3.29E+00	1.50E+01	9.76E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Lanthanum-140	-8.50E-01	6.60E-01	2.06E+00	1.50E+01	6.89E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Manganese-54	-3.49E-01	4.62E-01	1.47E+00		4.69E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Manganese-54	-6.80E-01	5.65E-01	1.52E+00		5.87E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Manganese-54	7.53E-01	5.45E-01	1.92E+00		5.72E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Manganese-54	-2.56E-01	4.48E-01	1.44E+00		4.52E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Manganese-54	-5.41E-01	4.47E-01	1.46E+00		4.65E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Manganese-54	-2.03E-01	4.90E-01	1.54E+00		4.93E-01	pCi/L	U

M-8QC(425122002) - Milk	8-Jun-17	Manganese-54	-2.36E-01	8.41E-01	1.76E+00		8.43E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Manganese-54	8.43E-01	9.22E-01	3.20E+00		9.42E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Manganese-54	-8.50E-01	8.10E-01	2.48E+00		8.34E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Manganese-54	1.01E+00	8.11E-01	2.76E+00		8.45E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Manganese-54	-7.47E-01	4.75E-01	1.54E+00		5.05E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Manganese-54	-7.60E-01	5.61E-01	1.49E+00		5.89E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Manganese-54	-3.80E-01	5.81E-01	1.80E+00		5.87E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Manganese-54	-4.05E-01	5.46E-01	1.69E+00		5.54E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Manganese-54	-4.64E-01	7.75E-01	1.77E+00		7.83E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Manganese-54	-9.90E-01	7.07E-01	1.95E+00		7.44E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Manganese-54	1.70E-01	6.36E-01	2.06E+00		6.37E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Manganese-54	-2.17E-01	5.15E-01	1.71E+00		5.18E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Niobium-95	4.88E-01	4.66E-01	1.58E+00		4.80E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Niobium-95	-2.59E+00	9.61E-01	1.72E+00		1.13E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Niobium-95	2.46E-01	5.51E-01	1.90E+00		5.54E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Niobium-95	-1.20E+00	6.88E-01	1.66E+00		7.42E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Niobium-95	9.18E-02	6.17E-01	1.74E+00		6.17E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Niobium-95	-7.49E-02	4.91E-01	1.57E+00		4.91E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Niobium-95	-2.41E-02	6.58E-01	1.87E+00		6.58E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Niobium-95	1.22E+00	9.03E-01	3.18E+00		9.46E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Niobium-95	5.85E-01	7.63E-01	2.56E+00		7.75E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Niobium-95	-7.14E-01	7.76E-01	2.41E+00		7.94E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Niobium-95	7.68E-01	5.29E-01	1.75E+00		5.58E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Niobium-95	4.53E-01	5.24E-01	1.75E+00		5.35E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Niobium-95	7.53E-02	5.74E-01	1.85E+00		5.74E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Niobium-95	-7.96E-01	5.50E-01	1.66E+00		5.81E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Niobium-95	8.02E-01	5.50E-01	1.95E+00		5.81E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Niobium-95	3.44E-01	6.02E-01	2.06E+00		6.07E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Niobium-95	1.07E+00	7.94E-01	1.89E+00		7.95E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Niobium-95	9.16E-01	5.07E-01	1.80E+00		5.51E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Potassium-40	1.35E+03	2.74E+01	1.24E+01		4.51E+01	pCi/L	
M-8QC(416164002) - Milk	9-Feb-17	Potassium-40	1.33E+03	2.95E+01	1.50E+01		4.61E+01	pCi/L	
M-8QC(418391002) - Milk	9-Mar-17	Potassium-40	1.38E+03	3.09E+01	1.44E+01		4.79E+01	pCi/L	
M-8QC(420734002) - Milk	13-Apr-17	Potassium-40	1.33E+03	2.72E+01	1.17E+01		4.45E+01	pCi/L	
M-8QC(423049002) - Milk	11-May-17	Potassium-40	1.38E+03	2.67E+01	1.26E+01		4.57E+01	pCi/L	
M-8QC(424153002) - Milk	25-May-17	Potassium-40	1.42E+03	2.77E+01	1.40E+01		4.68E+01	pCi/L	
M-8QC(425122002) - Milk	8-Jun-17	Potassium-40	1.40E+03	3.00E+01	1.45E+01		4.78E+01	pCi/L	
M-8QC(426228002) - Milk	22-Jun-17	Potassium-40	1.48E+03	4.33E+01	2.78E+01		5.86E+01	pCi/L	
M-8QC(427879002) - Milk	13-Jul-17	Potassium-40	1.28E+03	4.34E+01	2.43E+01		7.37E+01	pCi/L	
M-8QC(429134001) - Milk	27-Jul-17	Potassium-40	1.37E+03	4.27E+01	2.65E+01		7.66E+01	pCi/L	
M-8QC(430427002) - Milk	10-Aug-17	Potassium-40	1.40E+03	2.72E+01	1.47E+01		4.63E+01	pCi/L	
M-8QC(431546002) - Milk	24-Aug-17	Potassium-40	1.44E+03	3.17E+01	1.64E+01		8.02E+01	pCi/L	
M-8QC(432856002) - Milk	14-Sep-17	Potassium-40	1.43E+03	3.17E+01	1.62E+01		7.16E+01	pCi/L	
M-8QC(433888002) - Milk	28-Sep-17	Potassium-40	1.33E+03	3.18E+01	1.66E+01		6.76E+01	pCi/L	
M-8QC(435144002) - Milk	12-Oct-17	Potassium-40	1.36E+03	3.13E+01	1.61E+01		7.55E+01	pCi/L	

M-8QC(436424001) - Milk	26-Oct-17	Potassium-40	1.40E+03	3.37E+01	1.73E+01		7.54E+01	pCi/L	
M-8QC(437643001) - Milk	9-Nov-17	Potassium-40	1.44E+03	3.64E+01	1.74E+01		8.34E+01	pCi/L	
M-8QC(440123002) - Milk	14-Dec-17	Potassium-40	1.39E+03	3.00E+01	1.71E+01		8.09E+01	pCi/L	
M-8QC(414255002) - Milk	12-Jan-17	Ruthenium-103	1.72E-01	4.92E-01	1.51E+00		4.94E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Ruthenium-103	-9.61E-01	5.36E-01	1.70E+00		5.80E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Ruthenium-103	8.40E-01	8.89E-01	1.80E+00		8.90E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Ruthenium-103	-5.93E-01	4.98E-01	1.63E+00		5.16E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Ruthenium-103	-3.11E-01	4.71E-01	1.51E+00		4.76E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Ruthenium-103	-4.13E-01	6.70E-01	1.61E+00		6.77E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Ruthenium-103	-3.16E-02	6.74E-01	1.97E+00		6.74E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Ruthenium-103	7.93E-02	9.04E-01	2.91E+00		9.04E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Ruthenium-103	-1.11E+00	6.86E-01	2.17E+00		7.33E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Ruthenium-103	-4.88E-01	8.69E-01	2.56E+00		8.76E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Ruthenium-103	1.06E-01	5.56E-01	1.64E+00		5.57E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Ruthenium-103	-1.09E+00	5.11E-01	1.59E+00		5.71E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Ruthenium-103	-2.70E-01	5.59E-01	1.81E+00		5.62E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Ruthenium-103	-1.03E+00	5.53E-01	1.71E+00		6.03E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Ruthenium-103	-4.42E-01	6.08E-01	1.93E+00		6.17E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Ruthenium-103	-4.86E-01	8.25E-01	1.72E+00		8.33E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Ruthenium-103	-7.96E-01	5.99E-01	1.91E+00		6.27E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Ruthenium-103	-2.09E-01	5.50E-01	1.76E+00		5.52E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Ruthenium-106	2.95E+00	3.98E+00	1.35E+01		4.04E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Ruthenium-106	2.87E+00	4.46E+00	1.50E+01		4.51E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Ruthenium-106	6.43E+00	5.11E+00	1.70E+01		5.32E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Ruthenium-106	-3.57E-01	3.93E+00	1.31E+01		3.93E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Ruthenium-106	2.63E+00	4.32E+00	1.41E+01		4.36E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Ruthenium-106	-4.15E+00	4.11E+00	1.29E+01		4.22E+00	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Ruthenium-106	-9.10E+00	4.93E+00	1.50E+01		5.36E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Ruthenium-106	1.11E+01	8.43E+00	2.96E+01		8.82E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Ruthenium-106	5.14E+00	6.07E+00	2.07E+01		6.19E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Ruthenium-106	4.13E+00	6.51E+00	2.20E+01		6.58E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Ruthenium-106	9.51E+00	4.39E+00	1.50E+01		4.91E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Ruthenium-106	7.82E-01	4.53E+00	1.49E+01		4.53E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Ruthenium-106	-4.26E+00	4.88E+00	1.54E+01		4.98E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Ruthenium-106	-2.13E+00	4.86E+00	1.56E+01		4.89E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Ruthenium-106	-1.15E+00	5.50E+00	1.55E+01		5.51E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Ruthenium-106	6.97E-01	5.15E+00	1.64E+01		5.15E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Ruthenium-106	-7.62E+00	5.49E+00	1.72E+01		5.78E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Ruthenium-106	-1.69E+00	4.67E+00	1.47E+01		4.68E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Selenium-75	2.69E-01	6.48E-01	2.05E+00		6.51E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Selenium-75	1.18E-01	6.97E-01	2.18E+00		6.98E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Selenium-75	7.30E-01	7.03E-01	2.38E+00		7.23E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Selenium-75	4.07E-01	6.70E-01	2.13E+00		6.77E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Selenium-75	8.88E-03	5.79E-01	1.97E+00		5.79E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Selenium-75	-4.14E-01	5.86E-01	1.97E+00		5.94E-01	pCi/L	U

M-8QC(425122002) - Milk	8-Jun-17	Selenium-75	-7.41E-01	6.86E-01	2.26E+00		7.07E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Selenium-75	1.78E+00	1.06E+00	3.55E+00		1.14E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Selenium-75	1.69E-01	9.13E-01	2.91E+00		9.14E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Selenium-75	1.13E+00	8.75E-01	2.89E+00		9.15E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Selenium-75	-1.68E-01	5.87E-01	1.99E+00		5.89E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Selenium-75	7.45E-02	6.43E-01	2.20E+00		6.43E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Selenium-75	-1.27E+00	6.78E-01	2.21E+00		7.40E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Selenium-75	-1.11E+00	7.10E-01	2.33E+00		7.55E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Selenium-75	-1.41E+00	7.73E-01	2.22E+00		8.42E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Selenium-75	6.65E-01	7.29E-01	2.50E+00		7.46E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Selenium-75	1.11E+00	8.23E-01	2.89E+00		8.63E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Selenium-75	3.33E-01	6.63E-01	2.25E+00		6.68E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Silver-108m	-5.41E-01	3.89E-01	1.28E+00		4.09E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Silver-108m	1.32E-01	4.39E-01	1.49E+00		4.41E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Silver-108m	-3.14E-01	4.94E-01	1.58E+00		4.99E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Silver-108m	-5.74E-02	3.96E-01	1.34E+00		3.97E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Silver-108m	1.64E-01	4.25E-01	1.42E+00		4.27E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Silver-108m	6.23E-02	3.89E-01	1.30E+00		3.90E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Silver-108m	9.47E-02	4.65E-01	1.54E+00		4.65E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Silver-108m	2.53E+00	1.15E+00	2.53E+00		1.34E+00	pCi/L	UI
M-8QC(427879002) - Milk	13-Jul-17	Silver-108m	-7.91E-01	6.04E-01	1.97E+00		6.32E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Silver-108m	6.91E-01	5.69E-01	2.01E+00		5.92E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Silver-108m	4.85E-01	4.33E-01	1.33E+00		4.47E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Silver-108m	-6.30E-01	4.54E-01	1.29E+00		4.77E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Silver-108m	-4.35E-02	4.63E-01	1.53E+00		4.63E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Silver-108m	-5.33E-03	4.56E-01	1.51E+00		4.56E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Silver-108m	-4.91E-01	4.77E-01	1.52E+00		4.90E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Silver-108m	-1.19E+00	4.96E-01	1.50E+00		5.69E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Silver-108m	3.49E-01	5.49E-01	1.87E+00		5.55E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Silver-108m	1.58E-01	4.40E-01	1.45E+00		4.42E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Silver-110m	-3.13E-01	5.98E-01	1.91E+00		6.02E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Silver-110m	-6.70E-01	8.05E-01	2.20E+00		8.20E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Silver-110m	-3.79E-01	8.09E-01	2.69E+00		8.13E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Silver-110m	3.28E-01	6.47E-01	2.14E+00		6.51E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Silver-110m	3.37E-01	6.74E-01	2.15E+00		6.78E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Silver-110m	-6.14E-01	6.77E-01	2.07E+00		6.92E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Silver-110m	2.11E-01	7.65E-01	2.45E+00		7.67E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Silver-110m	-3.29E-01	1.27E+00	4.23E+00		1.27E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Silver-110m	2.72E-01	1.13E+00	3.67E+00		1.14E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Silver-110m	1.17E+00	1.39E+00	3.39E+00		1.41E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Silver-110m	-1.37E+00	6.70E-01	2.12E+00		7.41E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Silver-110m	-2.52E-01	7.19E-01	2.27E+00		7.22E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Silver-110m	9.13E-01	7.67E-01	2.56E+00		7.96E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Silver-110m	-1.97E+00	8.10E-01	2.30E+00		9.33E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Silver-110m	-4.60E-01	7.09E-01	2.32E+00		7.17E-01	pCi/L	U

M-8QC(436424001) - Milk	26-Oct-17	Silver-110m	1.39E-01	8.83E-01	2.60E+00		8.84E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Silver-110m	-1.36E+00	8.72E-01	2.61E+00		9.28E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Silver-110m	-4.22E-01	7.52E-01	2.47E+00		7.59E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Strontium-89	-3.13E+00	3.66E-01	1.97E+00	1.00E+01	5.72E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Strontium-89	-6.72E-01	7.34E-01	2.56E+00	1.00E+01	8.65E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Strontium-89	-1.89E-02	3.47E-01	1.15E+00	1.00E+01	6.38E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Strontium-89	-8.49E-01	3.12E-01	1.36E+00	1.00E+01	4.68E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Strontium-89	5.67E-01	6.34E-01	1.96E+00	1.00E+01	8.80E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Strontium-89	-3.48E+00	5.82E-01	2.56E+00	1.00E+01	7.62E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Strontium-89	-2.04E+00	6.84E-01	2.63E+00	1.00E+01	7.49E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Strontium-89	2.97E-01	3.89E-01	1.18E+00	1.00E+01	4.94E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Strontium-89	-9.28E-01	3.10E-01	1.37E+00	1.00E+01	5.82E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Strontium-89	-3.58E+00	3.45E-01	2.18E+00	1.00E+01	7.84E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Strontium-89	-5.04E-01	3.00E-01	1.15E+00	1.00E+01	4.57E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Strontium-89	-1.09E+00	3.27E-01	1.37E+00	1.00E+01	4.63E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Strontium-89	6.00E-01	4.86E-01	1.44E+00	1.00E+01	5.91E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Strontium-89	-2.27E+00	5.09E-01	2.20E+00	1.00E+01	6.42E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Strontium-89	2.68E-02	5.09E-01	1.67E+00	1.00E+01	6.73E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Strontium-89	-2.02E+00	2.22E-01	8.58E-01	1.00E+01	6.25E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Strontium-89	-4.62E-01	3.90E-01	1.43E+00	1.00E+01	5.63E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Strontium-89	-3.85E-01	4.20E-01	1.50E+00	1.00E+01	5.90E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Strontium-90	5.12E-01	4.02E-01	1.65E+00	2.00E+00	5.47E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Strontium-90	-1.64E-02	3.67E-01	1.76E+00	2.00E+00	5.34E-01	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Strontium-90	2.49E-01	4.58E-01	1.60E+00	2.00E+00	4.99E-01	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Strontium-90	6.83E-01	2.97E-01	1.75E+00	2.00E+00	5.79E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Strontium-90	3.24E-01	4.32E-01	1.73E+00	2.00E+00	5.47E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Strontium-90	1.30E+00	3.97E-01	1.61E+00	2.00E+00	5.96E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Strontium-90	-8.19E-01	2.33E-01	1.43E+00	2.00E+00	3.36E-01	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Strontium-90	-1.27E-01	2.35E-01	1.20E+00	2.00E+00	3.57E-01	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Strontium-90	-2.01E-02	3.43E-01	1.41E+00	2.00E+00	4.28E-01	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Strontium-90	-2.27E-01	3.45E-01	1.20E+00	2.00E+00	3.45E-01	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Strontium-90	-4.64E-01	3.20E-01	1.57E+00	2.00E+00	4.36E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Strontium-90	1.71E-01	2.80E-01	1.10E+00	2.00E+00	3.50E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Strontium-90	-4.58E-01	2.47E-01	1.17E+00	2.00E+00	3.06E-01	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Strontium-90	-9.76E-01	2.77E-01	1.62E+00	2.00E+00	4.01E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Strontium-90	-3.96E-02	2.93E-01	1.40E+00	2.00E+00	4.22E-01	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Strontium-90	1.00E+00	4.28E-01	1.48E+00	2.00E+00	5.30E-01	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Strontium-90	6.11E-02	2.91E-01	1.58E+00	2.00E+00	4.87E-01	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Strontium-90	1.31E-01	2.87E-01	1.14E+00	2.00E+00	3.61E-01	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Zinc-65	1.05E-01	1.07E+00	3.44E+00		1.07E+00	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Zinc-65	-9.26E-01	1.14E+00	3.77E+00		1.16E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Zinc-65	-5.60E-01	1.22E+00	4.01E+00		1.23E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Zinc-65	-5.60E-01	1.11E+00	3.50E+00		1.12E+00	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Zinc-65	2.86E+00	1.82E+00	3.75E+00		1.82E+00	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Zinc-65	-3.86E-01	1.10E+00	3.66E+00		1.11E+00	pCi/L	U

M-8QC(425122002) - Milk	8-Jun-17	Zinc-65	-1.57E+00	1.39E+00	4.15E+00		1.44E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Zinc-65	5.45E-01	2.28E+00	7.70E+00		2.29E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Zinc-65	1.97E+00	2.03E+00	6.40E+00		2.08E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Zinc-65	-2.00E+00	2.38E+00	6.90E+00		2.42E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Zinc-65	-6.29E-01	1.14E+00	3.72E+00		1.15E+00	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Zinc-65	1.06E+00	1.68E+00	3.89E+00		1.70E+00	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Zinc-65	-5.06E-01	1.24E+00	4.12E+00		1.25E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Zinc-65	2.39E-01	1.35E+00	4.57E+00		1.35E+00	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Zinc-65	1.70E+00	1.39E+00	4.79E+00		1.45E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Zinc-65	-4.98E-01	1.68E+00	4.46E+00		1.68E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Zinc-65	5.53E-01	1.45E+00	4.65E+00		1.46E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Zinc-65	8.01E-01	1.35E+00	4.52E+00		1.36E+00	pCi/L	U
M-8QC(414255002) - Milk	12-Jan-17	Zirconium-95	-8.27E-01	8.19E-01	2.61E+00		8.41E-01	pCi/L	U
M-8QC(416164002) - Milk	9-Feb-17	Zirconium-95	1.22E+00	9.71E-01	3.28E+00		1.01E+00	pCi/L	U
M-8QC(418391002) - Milk	9-Mar-17	Zirconium-95	-1.25E+00	1.11E+00	3.37E+00		1.15E+00	pCi/L	U
M-8QC(420734002) - Milk	13-Apr-17	Zirconium-95	1.36E+00	8.40E-01	2.91E+00		8.97E-01	pCi/L	U
M-8QC(423049002) - Milk	11-May-17	Zirconium-95	4.00E-01	8.92E-01	2.87E+00		8.96E-01	pCi/L	U
M-8QC(424153002) - Milk	25-May-17	Zirconium-95	1.20E+00	8.50E-01	2.86E+00		8.95E-01	pCi/L	U
M-8QC(425122002) - Milk	8-Jun-17	Zirconium-95	1.32E-01	1.12E+00	3.20E+00		1.12E+00	pCi/L	U
M-8QC(426228002) - Milk	22-Jun-17	Zirconium-95	1.16E+00	1.66E+00	5.71E+00		1.68E+00	pCi/L	U
M-8QC(427879002) - Milk	13-Jul-17	Zirconium-95	-7.87E-01	1.38E+00	4.37E+00		1.39E+00	pCi/L	U
M-8QC(429134001) - Milk	27-Jul-17	Zirconium-95	-1.14E+00	1.46E+00	4.57E+00		1.48E+00	pCi/L	U
M-8QC(430427002) - Milk	10-Aug-17	Zirconium-95	2.85E-01	8.99E-01	2.88E+00		9.01E-01	pCi/L	U
M-8QC(431546002) - Milk	24-Aug-17	Zirconium-95	-4.28E-01	8.98E-01	2.86E+00		9.04E-01	pCi/L	U
M-8QC(432856002) - Milk	14-Sep-17	Zirconium-95	-1.90E+00	1.07E+00	3.18E+00		1.16E+00	pCi/L	U
M-8QC(433888002) - Milk	28-Sep-17	Zirconium-95	-3.32E-01	9.52E-01	3.01E+00		9.55E-01	pCi/L	U
M-8QC(435144002) - Milk	12-Oct-17	Zirconium-95	-1.33E+00	9.57E-01	3.09E+00		1.01E+00	pCi/L	U
M-8QC(436424001) - Milk	26-Oct-17	Zirconium-95	-9.54E-02	1.08E+00	3.61E+00		1.08E+00	pCi/L	U
M-8QC(437643001) - Milk	9-Nov-17	Zirconium-95	2.76E-01	1.21E+00	3.52E+00		1.21E+00	pCi/L	U
M-8QC(440123002) - Milk	14-Dec-17	Zirconium-95	-3.14E-01	9.36E-01	3.13E+00		9.39E-01	pCi/L	U

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Sediment

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
S-1(424726001) - Sediment	23-May-17	Actinium-228	8.19E-01	1.27E-01	1.96E-01		1.34E-01	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Actinium-228	3.63E-01	6.39E-02	8.11E-02		6.67E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Antimony-124	-1.93E-02	4.21E-02	1.34E-01		4.24E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Antimony-124	8.15E-03	2.34E-02	8.19E-02		2.35E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Antimony-125	1.78E-02	3.16E-02	1.12E-01		3.19E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Antimony-125	3.15E-02	1.84E-02	7.40E-02		1.99E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Barium-140	2.88E-01	2.45E-01	8.83E-01		2.54E-01	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Barium-140	-1.12E-01	1.05E-01	2.95E-01		1.09E-01	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Beryllium-7	2.55E-02	1.39E-01	4.76E-01		1.39E-01	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Beryllium-7	8.65E-01	2.20E-01	1.97E-01		2.24E-01	pCi/g	
S-1(424726001) - Sediment	23-May-17	Bismuth-214	9.28E-01	8.00E-02	7.79E-02		8.90E-02	pCi/g	

S-1(438003001) - Sediment	8-Nov-17	Bismuth-214	3.22E-01	6.59E-02	6.85E-02		6.76E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Cerium-141	-2.79E-02	2.97E-02	9.06E-02		3.04E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Cerium-141	-1.68E-02	1.05E-02	3.58E-02		1.13E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Cerium-144	-3.47E-02	6.61E-02	2.25E-01		6.66E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Cerium-144	-2.29E-02	3.22E-02	1.16E-01		3.27E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Cesium-134	4.71E-02	2.51E-02	5.83E-02	1.50E-01	2.74E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Cesium-134	1.30E-03	1.11E-02	3.75E-02	1.50E-01	1.11E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Cesium-137	9.07E-02	3.06E-02	4.61E-02	1.80E-01	3.09E-02	pCi/g	M
S-1(438003001) - Sediment	8-Nov-17	Cesium-137	1.48E-02	1.59E-02	3.52E-02	1.80E-01	1.60E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Chromium-51	1.81E-01	1.91E-01	7.02E-01		1.96E-01	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Chromium-51	-3.00E-02	9.22E-02	3.04E-01		9.25E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Cobalt-57	-2.55E-03	8.08E-03	2.79E-02		8.10E-03	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Cobalt-57	-4.57E-04	3.45E-03	1.28E-02		3.45E-03	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Cobalt-58	1.46E-02	1.69E-02	6.12E-02		1.73E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Cobalt-58	2.18E-03	1.37E-02	4.61E-02		1.37E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Cobalt-60	1.77E-02	1.58E-02	5.64E-02		1.63E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Cobalt-60	4.40E-03	8.25E-03	3.02E-02		8.31E-03	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Iron-59	-1.13E-02	4.98E-02	1.63E-01		4.98E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Iron-59	-2.15E-03	2.55E-02	8.66E-02		2.55E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Lanthanum-140	-1.37E-01	1.14E-01	3.42E-01		1.18E-01	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Lanthanum-140	-4.32E-02	4.28E-02	1.19E-01		4.40E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Lead-212	8.74E-01	4.61E-02	5.93E-02		5.93E-02	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Lead-212	2.01E-01	2.66E-02	3.82E-02		2.83E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Lead-214	1.09E+00	7.72E-02	9.58E-02		8.95E-02	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Lead-214	4.80E-01	3.88E-02	1.46E-01		4.39E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Manganese-54	2.41E-02	1.55E-02	5.75E-02		1.65E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Manganese-54	6.90E-03	1.01E-02	3.58E-02		1.02E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Niobium-95	2.14E-02	2.04E-02	6.42E-02		2.10E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Niobium-95	-1.15E-02	1.25E-02	3.83E-02		1.28E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Potassium-40	1.66E+01	7.92E-01	4.72E-01		1.14E+00	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Potassium-40	5.71E+00	4.96E-01	3.61E-01		5.61E-01	pCi/g	
S-1(424726001) - Sediment	23-May-17	Radium-226	9.28E-01	8.00E-02	7.79E-02		8.90E-02	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Radium-226	3.22E-01	6.59E-02	6.85E-02		6.76E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Ruthenium-103	3.28E-04	1.91E-02	6.46E-02		1.91E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Ruthenium-103	1.83E-04	9.74E-03	3.45E-02		9.74E-03	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Ruthenium-106	1.14E-01	1.28E-01	4.43E-01		1.30E-01	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Ruthenium-106	-6.81E-02	7.02E-02	2.17E-01		7.21E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Selenium-75	-6.35E-03	1.63E-02	5.19E-02		1.64E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Selenium-75	-4.52E-03	9.60E-03	3.22E-02		9.66E-03	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Silver-108m	-3.09E-04	9.76E-03	3.35E-02		9.76E-03	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Silver-108m	-1.55E-02	6.71E-03	1.62E-02		7.62E-03	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Silver-110m	-1.35E-02	1.82E-02	5.91E-02		1.85E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Silver-110m	6.92E-03	1.34E-02	4.68E-02		1.35E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Strontium-89	-2.29E-01	1.28E-02	1.56E-01	3.00E-01	5.76E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Strontium-89	9.98E-02	4.58E-02	1.27E-01	3.00E-01	5.93E-02	pCi/g	U

S-1(424726001) - Sediment	23-May-17	Strontium-90	1.30E-01	3.72E-02	1.82E-01	3.00E-01	6.84E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Strontium-90	8.95E-02	2.64E-02	1.11E-01	3.00E-01	4.31E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Thallium-208	2.79E-01	2.61E-02	3.53E-02		2.87E-02	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Thallium-208	6.71E-02	2.12E-02	3.01E-02		2.14E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Thorium-228	8.74E-01	4.61E-02	5.93E-02		5.93E-02	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Thorium-228	2.01E-01	2.66E-02	3.82E-02		2.83E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Thorium-230	9.28E-01	8.00E-02	7.79E-02		8.90E-02	pCi/g	
S-1(438003001) - Sediment	8-Nov-17	Thorium-230	3.22E-01	6.59E-02	6.85E-02		6.76E-02	pCi/g	
S-1(424726001) - Sediment	23-May-17	Zinc-65	-2.37E-03	4.28E-02	1.25E-01		4.28E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Zinc-65	1.38E-03	3.38E-02	1.02E-01		3.38E-02	pCi/g	U
S-1(424726001) - Sediment	23-May-17	Zirconium-95	-5.97E-04	3.44E-02	1.11E-01		3.44E-02	pCi/g	U
S-1(438003001) - Sediment	8-Nov-17	Zirconium-95	4.09E-04	1.91E-02	6.42E-02		1.91E-02	pCi/g	U

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Sediment

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
S-2(424726002) - Sediment	23-May-17	Actinium-228	1.01E+00	1.62E-01	2.57E-01		1.70E-01	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Actinium-228	8.22E-01	1.29E-01	1.41E-01		1.38E-01	pCi/g	
S-2(424726002) - Sediment	23-May-17	Antimony-124	6.41E-02	4.82E-02	1.86E-01		5.05E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Antimony-124	4.88E-02	2.56E-02	1.01E-01		2.80E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Antimony-125	-8.41E-02	4.36E-02	1.34E-01		4.78E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Antimony-125	-5.79E-02	2.77E-02	8.69E-02		3.08E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Barium-140	2.15E-01	4.21E-01	1.45E+00		4.24E-01	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Barium-140	-8.05E-03	1.15E-01	3.79E-01		1.15E-01	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Beryllium-7	-2.09E-01	2.09E-01	6.70E-01		2.14E-01	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Beryllium-7	-9.66E-02	1.15E-01	3.79E-01		1.17E-01	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Bismuth-214	1.49E+00	1.02E-01	1.30E-01		1.21E-01	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Bismuth-214	1.06E+00	8.48E-02	7.62E-02		1.01E-01	pCi/g	
S-2(424726002) - Sediment	23-May-17	Cerium-141	-1.10E-01	4.77E-02	1.47E-01		5.42E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cerium-141	2.00E-02	3.53E-02	5.79E-02		3.58E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Cerium-144	-7.88E-02	8.69E-02	2.86E-01		8.88E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cerium-144	-1.56E-02	5.07E-02	1.74E-01		5.08E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Cesium-134	5.33E-02	4.01E-02	8.96E-02	1.50E-01	4.20E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cesium-134	4.72E-02	1.93E-02	4.72E-02	1.50E-01	2.25E-02	pCi/g	UI
S-2(424726002) - Sediment	23-May-17	Cesium-137	-4.45E-02	2.50E-02	6.25E-02	1.80E-01	2.71E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cesium-137	-1.93E-02	1.31E-02	3.99E-02	1.80E-01	1.39E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Chromium-51	2.93E-01	2.91E-01	1.06E+00		2.99E-01	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Chromium-51	-1.83E-02	1.37E-01	4.38E-01		1.37E-01	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Cobalt-57	-2.34E-02	1.09E-02	3.47E-02		1.22E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cobalt-57	-6.40E-03	6.32E-03	2.13E-02		6.50E-03	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Cobalt-58	-3.07E-02	2.67E-02	7.86E-02		2.77E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cobalt-58	1.18E-02	1.44E-02	4.93E-02		1.47E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Cobalt-60	2.95E-02	2.07E-02	7.68E-02		2.18E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Cobalt-60	-2.87E-03	1.43E-02	4.07E-02		1.43E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Iron-59	-1.33E-02	5.12E-02	1.68E-01		5.13E-02	pCi/g	U

S-2(438003002) - Sediment	8-Nov-17	Iron-59	1.49E-02	3.06E-02	1.07E-01		3.08E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Lanthanum-140	-1.37E-02	1.68E-01	5.39E-01		1.68E-01	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Lanthanum-140	-3.49E-02	4.17E-02	9.99E-02		4.25E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Lead-212	1.09E+00	6.12E-02	8.48E-02		8.34E-02	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Lead-212	1.03E+00	4.12E-02	5.78E-02		8.01E-02	pCi/g	
S-2(424726002) - Sediment	23-May-17	Lead-214	1.57E+00	1.09E-01	3.54E-01		1.28E-01	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Lead-214	1.30E+00	7.68E-02	7.19E-02		9.65E-02	pCi/g	
S-2(424726002) - Sediment	23-May-17	Manganese-54	2.14E-02	2.31E-02	7.88E-02		2.36E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Manganese-54	-1.07E-02	1.41E-02	4.37E-02		1.43E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Niobium-95	1.54E-02	3.15E-02	9.50E-02		3.17E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Niobium-95	1.59E-02	1.70E-02	5.32E-02		1.74E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Potassium-40	1.86E+01	8.48E-01	5.09E-01		1.21E+00	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Potassium-40	2.01E+01	6.84E-01	4.13E-01		1.14E+00	pCi/g	
S-2(424726002) - Sediment	23-May-17	Radium-226	1.49E+00	1.02E-01	1.30E-01		1.21E-01	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Radium-226	1.06E+00	8.48E-02	7.62E-02		1.01E-01	pCi/g	
S-2(424726002) - Sediment	23-May-17	Ruthenium-103	1.59E-03	2.65E-02	9.00E-02		2.65E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Ruthenium-103	-1.06E-02	1.47E-02	4.85E-02		1.49E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Ruthenium-106	2.21E-01	1.81E-01	6.43E-01		1.88E-01	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Ruthenium-106	8.57E-02	1.04E-01	3.65E-01		1.06E-01	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Selenium-75	-1.43E-03	2.54E-02	7.49E-02		2.54E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Selenium-75	-1.02E-02	1.32E-02	4.17E-02		1.34E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Silver-108m	-4.60E-03	1.43E-02	4.80E-02		1.43E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Silver-108m	-5.74E-03	7.77E-03	2.59E-02		7.89E-03	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Silver-110m	-4.68E-03	2.64E-02	8.96E-02		2.64E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Silver-110m	-2.12E-02	1.63E-02	4.72E-02		1.71E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Strontium-89	-7.84E-02	5.01E-02	1.93E-01	3.00E-01	7.59E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Strontium-89	-1.78E-01	2.96E-02	1.59E-01	3.00E-01	6.00E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Strontium-90	-1.58E-02	3.85E-02	1.89E-01	3.00E-01	5.58E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Strontium-90	5.57E-02	3.31E-02	1.65E-01	3.00E-01	5.50E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Thallium-208	3.83E-01	4.98E-02	6.50E-02		5.25E-02	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Thallium-208	2.89E-01	3.18E-02	3.86E-02		3.52E-02	pCi/g	
S-2(424726002) - Sediment	23-May-17	Thorium-228	1.09E+00	6.12E-02	8.48E-02		8.34E-02	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Thorium-228	1.03E+00	4.12E-02	5.78E-02		8.01E-02	pCi/g	
S-2(424726002) - Sediment	23-May-17	Thorium-230	1.49E+00	1.02E-01	1.30E-01		1.21E-01	pCi/g	
S-2(438003002) - Sediment	8-Nov-17	Thorium-230	1.06E+00	8.48E-02	7.62E-02		1.01E-01	pCi/g	
S-2(424726002) - Sediment	23-May-17	Zinc-65	6.51E-03	6.17E-02	1.84E-01		6.17E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Zinc-65	1.46E-02	3.23E-02	1.00E-01		3.25E-02	pCi/g	U
S-2(424726002) - Sediment	23-May-17	Zirconium-95	5.05E-04	5.12E-02	1.67E-01		5.12E-02	pCi/g	U
S-2(438003002) - Sediment	8-Nov-17	Zirconium-95	6.19E-03	2.61E-02	8.68E-02		2.61E-02	pCi/g	U

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Sediment

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
S-3(424726003) - Sediment	23-May-17	Actinium-228	2.71E-01	7.98E-02	1.29E-01		8.01E-02	pCi/g	
S-3(438003003) - Sediment	8-Nov-17	Actinium-228	3.49E-01	7.20E-02	1.02E-01		7.48E-02	pCi/g	

S-3(424726003) - Sediment	23-May-17	Antimony-124	1.15E-02	3.16E-02	1.11E-01		3.17E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Antimony-124	9.11E-03	2.15E-02	7.48E-02		2.16E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Antimony-125	2.35E-02	2.42E-02	8.76E-02		2.48E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Antimony-125	-1.73E-02	2.20E-02	7.36E-02		2.23E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Barium-140	1.63E-01	2.03E-01	7.18E-01		2.06E-01	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Barium-140	-2.09E-02	8.88E-02	3.00E-01		8.89E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Beryllium-7	9.73E-02	1.12E-01	4.00E-01		1.14E-01	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Beryllium-7	-3.05E-02	8.44E-02	2.87E-01		8.47E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Bismuth-214	1.29E-01	5.77E-02	1.29E-01		8.07E-02	pCi/g	UI
S-3(438003003) - Sediment	8-Nov-17	Bismuth-214	3.34E-01	4.46E-02	5.56E-02		4.68E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Cerium-141	-1.55E-02	2.52E-02	7.63E-02		2.54E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cerium-141	-7.79E-03	1.71E-02	5.84E-02		1.72E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Cerium-144	-3.63E-02	5.67E-02	1.73E-01		5.73E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cerium-144	-3.65E-02	4.91E-02	1.67E-01		4.98E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Cesium-134	1.08E-02	1.21E-02	4.41E-02	1.50E-01	1.23E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cesium-134	-4.29E-04	9.92E-03	2.89E-02	1.50E-01	9.93E-03	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Cesium-137	-1.40E-02	1.03E-02	3.21E-02	1.80E-01	1.08E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cesium-137	1.26E-02	9.19E-03	3.40E-02	1.80E-01	9.65E-03	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Chromium-51	1.12E-01	1.56E-01	5.70E-01		1.58E-01	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Chromium-51	4.27E-02	9.60E-02	3.55E-01		9.66E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Cobalt-57	4.43E-05	7.44E-03	2.45E-02		7.44E-03	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cobalt-57	9.03E-03	5.91E-03	2.23E-02		6.28E-03	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Cobalt-58	6.79E-03	1.27E-02	4.55E-02		1.28E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cobalt-58	-2.08E-03	9.76E-03	3.14E-02		9.77E-03	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Cobalt-60	-3.88E-03	1.14E-02	3.61E-02		1.14E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Cobalt-60	-9.37E-03	1.05E-02	3.20E-02		1.08E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Iron-59	2.32E-02	3.54E-02	1.24E-01		3.58E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Iron-59	-7.18E-03	2.48E-02	8.29E-02		2.49E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Lanthanum-140	-1.33E-01	8.39E-02	1.99E-01		8.94E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Lanthanum-140	-1.12E-02	2.54E-02	7.65E-02		2.55E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Lead-212	1.72E-01	3.14E-02	5.28E-02		3.18E-02	pCi/g	
S-3(438003003) - Sediment	8-Nov-17	Lead-212	2.03E-01	3.48E-02	5.67E-02		3.61E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Lead-214	2.54E-01	4.71E-02	1.20E-01		4.74E-02	pCi/g	
S-3(438003003) - Sediment	8-Nov-17	Lead-214	3.80E-01	5.09E-02	1.37E-01		5.35E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Manganese-54	-1.83E-02	9.58E-03	2.84E-02		1.05E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Manganese-54	-6.34E-03	9.79E-03	3.03E-02		9.90E-03	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Niobium-95	1.20E-03	1.41E-02	4.95E-02		1.41E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Niobium-95	-2.22E-02	1.34E-02	3.92E-02		1.44E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Potassium-40	1.36E+01	5.34E-01	2.61E-01		6.45E-01	pCi/g	
S-3(438003003) - Sediment	8-Nov-17	Potassium-40	1.25E+01	5.19E-01	3.17E-01		9.28E-01	pCi/g	
S-3(424726003) - Sediment	23-May-17	Radium-226	1.29E-01	5.77E-02	1.29E-01		8.07E-02	pCi/g	UI
S-3(438003003) - Sediment	8-Nov-17	Radium-226	3.34E-01	4.46E-02	5.56E-02		4.68E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Ruthenium-103	-8.41E-03	1.34E-02	4.34E-02		1.36E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Ruthenium-103	1.51E-02	1.09E-02	4.10E-02		1.15E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Ruthenium-106	-5.15E-02	8.45E-02	2.66E-01		8.53E-02	pCi/g	U

S-3(438003003) - Sediment	8-Nov-17	Ruthenium-106	-5.50E-02	8.26E-02	2.66E-01		8.36E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Selenium-75	2.78E-02	2.48E-02	4.57E-02		2.56E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Selenium-75	-6.99E-03	1.08E-02	3.87E-02		1.10E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Silver-108m	-1.19E-02	7.71E-03	2.40E-02		8.19E-03	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Silver-108m	-5.05E-03	6.63E-03	2.21E-02		6.73E-03	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Silver-110m	-1.19E-02	1.21E-02	3.80E-02		1.24E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Silver-110m	-1.14E-02	1.25E-02	4.06E-02		1.27E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Strontium-89	-2.11E-01	2.42E-02	1.63E-01	3.00E-01	5.35E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Strontium-89	-1.83E-01	2.72E-02	1.43E-01	3.00E-01	4.36E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Strontium-90	-8.20E-02	3.06E-02	1.69E-01	3.00E-01	4.43E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Strontium-90	-7.60E-02	2.47E-02	1.52E-01	3.00E-01	3.95E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Thallium-208	9.27E-02	2.71E-02	3.06E-02		2.72E-02	pCi/g	
S-3(438003003) - Sediment	8-Nov-17	Thallium-208	1.06E-01	2.13E-02	3.03E-02		2.17E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Thorium-228	1.72E-01	3.14E-02	5.28E-02		3.18E-02	pCi/g	
S-3(438003003) - Sediment	8-Nov-17	Thorium-228	2.03E-01	3.48E-02	5.67E-02		3.61E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Thorium-230	1.29E-01	5.77E-02	1.29E-01		8.07E-02	pCi/g	UI
S-3(438003003) - Sediment	8-Nov-17	Thorium-230	3.34E-01	4.46E-02	5.56E-02		4.68E-02	pCi/g	
S-3(424726003) - Sediment	23-May-17	Zinc-65	2.18E-02	2.76E-02	9.70E-02		2.80E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Zinc-65	-6.61E-02	2.67E-02	7.50E-02		3.09E-02	pCi/g	U
S-3(424726003) - Sediment	23-May-17	Zirconium-95	3.74E-02	2.30E-02	8.84E-02		2.46E-02	pCi/g	U
S-3(438003003) - Sediment	8-Nov-17	Zirconium-95	3.18E-02	3.04E-02	6.87E-02		3.13E-02	pCi/g	U

S-4

Sediment

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
S-4(424726004) - Sediment	11-May-17	Actinium-228	1.27E-01	6.03E-02	1.72E-01		6.73E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Actinium-228	2.16E-01	6.57E-02	9.96E-02		6.69E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Antimony-124	-3.64E-02	2.00E-02	3.85E-02		2.17E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Antimony-124	4.12E-02	2.97E-02	1.16E-01		3.13E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Antimony-125	-1.26E-02	2.14E-02	7.17E-02		2.16E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Antimony-125	1.24E-02	2.22E-02	8.02E-02		2.24E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Barium-140	5.20E-01	2.99E-01	1.15E+00		3.23E-01	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Barium-140	1.96E-01	2.99E-01	1.07E+00		3.03E-01	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Beryllium-7	8.72E-02	9.97E-02	3.64E-01		1.02E-01	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Beryllium-7	-3.70E-02	1.07E-01	3.62E-01		1.07E-01	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Bismuth-214	1.24E-01	4.15E-02	5.09E-02		4.19E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Bismuth-214	1.85E-01	3.64E-02	5.28E-02		3.72E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Cerium-141	-6.79E-02	2.81E-02	8.51E-02		3.23E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cerium-141	9.51E-03	6.18E-02	8.51E-02		6.18E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Cerium-144	7.68E-02	5.15E-02	1.77E-01		5.45E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cerium-144	1.18E-01	8.49E-02	1.46E-01		8.51E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Cesium-134	-3.99E-03	9.51E-03	3.24E-02	1.50E-01	9.56E-03	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cesium-134	2.99E-03	9.15E-03	3.10E-02	1.50E-01	9.17E-03	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Cesium-137	-4.89E-03	7.91E-03	2.49E-02	1.80E-01	7.99E-03	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cesium-137	1.63E-02	9.18E-03	3.48E-02	1.80E-01	9.93E-03	pCi/g	U

S-4(424726004) - Sediment	11-May-17	Chromium-51	7.82E-04	1.78E-01	6.36E-01		1.78E-01	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Chromium-51	1.16E-01	1.42E-01	5.35E-01		1.45E-01	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Cobalt-57	4.46E-03	5.94E-03	2.14E-02		6.03E-03	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cobalt-57	-7.67E-03	5.50E-03	1.78E-02		5.79E-03	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Cobalt-58	2.10E-02	1.29E-02	4.98E-02		1.38E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cobalt-58	8.49E-03	1.11E-02	3.93E-02		1.13E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Cobalt-60	1.78E-02	9.56E-03	3.74E-02		1.04E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Cobalt-60	5.42E-03	7.74E-03	2.83E-02		7.85E-03	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Iron-59	-4.46E-02	3.22E-02	9.43E-02		3.39E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Iron-59	-1.65E-03	2.66E-02	7.90E-02		2.66E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Lanthanum-140	-1.59E-02	8.77E-02	2.75E-01		8.78E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Lanthanum-140	2.56E-02	1.10E-01	3.68E-01		1.10E-01	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Lead-212	1.71E-01	3.13E-02	4.90E-02		3.24E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Lead-212	1.76E-01	2.84E-02	4.13E-02		2.96E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Lead-214	2.01E-01	4.87E-02	5.25E-02		4.95E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Lead-214	1.49E-01	4.65E-02	5.42E-02		4.70E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Manganese-54	8.02E-03	8.75E-03	3.25E-02		8.95E-03	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Manganese-54	2.67E-02	9.09E-03	3.73E-02		1.11E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Niobium-95	5.46E-03	1.32E-02	4.77E-02		1.33E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Niobium-95	-2.70E-02	1.43E-02	3.94E-02		1.57E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Potassium-40	8.99E+00	4.55E-01	2.51E-01		6.40E-01	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Potassium-40	8.31E+00	4.38E-01	1.81E-01		6.74E-01	pCi/g	
S-4(424726004) - Sediment	11-May-17	Radium-226	1.24E-01	4.15E-02	5.09E-02		4.19E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Radium-226	1.85E-01	3.64E-02	5.28E-02		3.72E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Ruthenium-103	-2.72E-03	1.43E-02	4.83E-02		1.43E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Ruthenium-103	2.31E-04	1.34E-02	4.63E-02		1.34E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Ruthenium-106	-1.68E-03	7.73E-02	2.59E-01		7.73E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Ruthenium-106	9.68E-02	8.03E-02	2.95E-01		8.35E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Selenium-75	1.63E-02	1.04E-02	4.07E-02		1.11E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Selenium-75	-2.44E-02	1.10E-02	3.56E-02		1.24E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Silver-108m	-8.21E-03	6.46E-03	2.06E-02		6.74E-03	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Silver-108m	1.20E-03	5.47E-03	1.94E-02		5.47E-03	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Silver-110m	-1.90E-02	1.22E-02	3.67E-02		1.30E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Silver-110m	1.15E-02	1.32E-02	4.91E-02		1.35E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Strontium-89	-7.30E-02	4.52E-02	1.74E-01	3.00E-01	6.40E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Strontium-89	-1.22E-02	5.54E-02	1.85E-01	3.00E-01	7.61E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Strontium-90	-6.48E-02	2.48E-02	1.40E-01	3.00E-01	3.59E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Strontium-90	4.90E-02	2.97E-02	1.47E-01	3.00E-01	4.93E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Thallium-208	6.27E-02	1.56E-02	3.14E-02		1.58E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Thallium-208	6.41E-02	1.79E-02	3.27E-02		1.81E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Thorium-228	1.71E-01	3.13E-02	4.90E-02		3.24E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Thorium-228	1.76E-01	2.84E-02	4.13E-02		2.96E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Thorium-230	1.24E-01	4.15E-02	5.09E-02		4.19E-02	pCi/g	
S-4(438003004) - Sediment	20-Oct-17	Thorium-230	1.85E-01	3.64E-02	5.28E-02		3.72E-02	pCi/g	
S-4(424726004) - Sediment	11-May-17	Zinc-65	-2.00E-02	2.33E-02	7.32E-02		2.37E-02	pCi/g	U

S-4(438003004) - Sediment	20-Oct-17	Zinc-65	-2.06E-02	2.61E-02	7.05E-02		2.66E-02	pCi/g	U
S-4(424726004) - Sediment	11-May-17	Zirconium-95	-2.42E-03	2.21E-02	7.75E-02		2.21E-02	pCi/g	U
S-4(438003004) - Sediment	20-Oct-17	Zirconium-95	2.20E-02	2.12E-02	7.68E-02		2.18E-02	pCi/g	U

S-5

Sediment

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
S-5(424726005) - Sediment	9-May-17	Actinium-228	6.24E-01	1.02E-01	1.29E-01		1.07E-01	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Actinium-228	6.75E-01	1.08E-01	1.56E-01		1.14E-01	pCi/g	
S-5(424726005) - Sediment	9-May-17	Antimony-124	4.74E-02	3.64E-02	1.40E-01		3.80E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Antimony-124	9.80E-02	5.38E-02	2.14E-01		5.85E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Antimony-125	-9.12E-04	2.90E-02	1.01E-01		2.90E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Antimony-125	-7.74E-03	3.88E-02	1.25E-01		3.88E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Barium-140	-2.38E-01	5.22E-01	1.52E+00		5.24E-01	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Barium-140	2.29E+00	1.10E+00	3.97E+00		1.23E+00	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Beryllium-7	2.72E-01	1.54E-01	5.79E-01		1.67E-01	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Beryllium-7	6.31E-01	3.39E-01	7.76E-01		3.40E-01	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Bismuth-214	6.06E-01	6.21E-02	7.57E-02		6.70E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Bismuth-214	5.22E-01	6.21E-02	8.97E-02		6.60E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Cerium-141	-6.56E-02	3.57E-02	1.15E-01		3.88E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Cerium-141	6.75E-02	6.22E-02	2.12E-01		6.42E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Cerium-144	-2.52E-02	5.93E-02	2.04E-01		5.96E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Cerium-144	-9.79E-02	7.87E-02	2.64E-01		8.20E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Cesium-134	3.57E-02	1.37E-02	5.27E-02	1.50E-01	1.60E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Cesium-134	4.38E-02	2.71E-02	6.34E-02	1.50E-01	2.90E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Cesium-137	1.11E-01	2.41E-02	3.89E-02	1.80E-01	2.45E-02	pCi/g	M
S-5(438003005) - Sediment	2-Oct-17	Cesium-137	4.63E-02	2.40E-02	4.63E-02	1.80E-01	2.42E-02	pCi/g	UI
S-5(424726005) - Sediment	9-May-17	Chromium-51	6.77E-02	2.59E-01	9.34E-01		2.59E-01	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Chromium-51	4.72E-02	4.37E-01	1.46E+00		4.38E-01	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Cobalt-57	1.24E-03	7.18E-03	2.52E-02		7.18E-03	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Cobalt-57	4.25E-03	1.01E-02	3.58E-02		1.02E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Cobalt-58	-1.75E-02	1.73E-02	5.14E-02		1.78E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Cobalt-58	-8.49E-03	2.51E-02	8.24E-02		2.51E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Cobalt-60	-6.40E-03	1.50E-02	4.78E-02		1.51E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Cobalt-60	-2.00E-02	1.77E-02	5.25E-02		1.83E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Iron-59	-2.18E-02	5.10E-02	1.67E-01		5.13E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Iron-59	3.83E-02	6.56E-02	2.25E-01		6.62E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Lanthanum-140	5.91E-02	1.50E-01	5.15E-01		1.51E-01	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Lanthanum-140	5.81E-02	3.77E-01	1.22E+00		3.77E-01	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Lead-212	6.80E-01	4.17E-02	5.07E-02		5.37E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Lead-212	7.54E-01	4.72E-02	6.79E-02		5.70E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Lead-214	8.15E-01	6.00E-02	8.16E-02		7.11E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Lead-214	6.16E-01	7.43E-02	8.52E-02		7.86E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Manganese-54	1.97E-02	1.41E-02	5.02E-02		1.49E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Manganese-54	-1.57E-02	1.75E-02	5.33E-02		1.79E-02	pCi/g	U

S-5(424726005) - Sediment	9-May-17	Niobium-95	-1.30E-02	2.09E-02	6.57E-02		2.12E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Niobium-95	-1.04E-02	2.85E-02	8.21E-02		2.86E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Potassium-40	1.30E+01	6.09E-01	4.45E-01		9.13E-01	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Potassium-40	1.36E+01	6.47E-01	3.51E-01		9.49E-01	pCi/g	
S-5(424726005) - Sediment	9-May-17	Radium-226	6.06E-01	6.21E-02	7.57E-02		6.70E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Radium-226	5.22E-01	6.21E-02	8.97E-02		6.60E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Ruthenium-103	-1.14E-02	2.23E-02	7.44E-02		2.25E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Ruthenium-103	-4.43E-02	3.66E-02	9.45E-02		3.81E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Ruthenium-106	-3.95E-02	9.57E-02	3.11E-01		9.61E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Ruthenium-106	-3.75E-02	1.47E-01	4.60E-01		1.47E-01	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Selenium-75	2.78E-03	1.55E-02	5.14E-02		1.55E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Selenium-75	4.61E-03	2.45E-02	7.91E-02		2.45E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Silver-108m	-1.58E-02	8.31E-03	2.56E-02		9.09E-03	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Silver-108m	-2.09E-02	1.24E-02	3.48E-02		1.34E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Silver-110m	6.60E-03	1.66E-02	5.90E-02		1.67E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Silver-110m	-5.14E-03	2.11E-02	6.92E-02		2.11E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Strontium-89	-3.22E-01	2.61E-02	1.96E-01	3.00E-01	8.35E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Strontium-89	-3.64E-01	6.15E-02	2.82E-01	3.00E-01	1.01E-01	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Strontium-90	9.16E-02	4.17E-02	1.75E-01	3.00E-01	6.10E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Strontium-90	9.21E-02	3.48E-02	1.66E-01	3.00E-01	5.81E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Thallium-208	1.56E-01	2.81E-02	3.72E-02		2.88E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Thallium-208	2.15E-01	3.57E-02	4.34E-02		3.69E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Thorium-228	6.80E-01	4.17E-02	5.07E-02		5.37E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Thorium-228	7.54E-01	4.72E-02	6.79E-02		5.70E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Thorium-230	6.06E-01	6.21E-02	7.57E-02		6.70E-02	pCi/g	
S-5(438003005) - Sediment	2-Oct-17	Thorium-230	5.22E-01	6.21E-02	8.97E-02		6.60E-02	pCi/g	
S-5(424726005) - Sediment	9-May-17	Zinc-65	-2.38E-02	3.30E-02	9.41E-02		3.35E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Zinc-65	-6.11E-03	5.06E-02	1.44E-01		5.06E-02	pCi/g	U
S-5(424726005) - Sediment	9-May-17	Zirconium-95	2.21E-02	3.56E-02	1.22E-01		3.59E-02	pCi/g	U
S-5(438003005) - Sediment	2-Oct-17	Zirconium-95	7.83E-02	8.16E-02	1.66E-01		8.37E-02	pCi/g	U

SW-2

Surface Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
SW-2(415431004) - Surface Water	31-Jan-17	Actinium-228	-2.60E+00	3.49E+00	7.71E+00		3.55E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Actinium-228	5.24E+00	4.73E+00	5.95E+00		4.73E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Actinium-228	3.47E+00	4.76E+00	5.25E+00		4.76E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Actinium-228	-5.04E+00	2.67E+00	6.22E+00		2.91E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Actinium-228	2.75E+00	3.43E+00	4.51E+00		3.43E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Actinium-228	-1.68E+00	2.47E+00	5.97E+00		2.50E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Actinium-228	7.63E+00	2.90E+00	1.05E+01		3.40E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Actinium-228	-1.23E+01	3.67E+00	6.80E+00		4.65E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Actinium-228	-5.95E+00	3.21E+00	6.13E+00		3.50E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Actinium-228	7.22E-01	4.58E+00	4.92E+00		4.58E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Actinium-228	3.24E+00	6.22E+00	7.85E+00		6.22E+00	pCi/L	U

SW-2(440782006) - Surface Water	27-Dec-17	Actinium-228	5.32E+00	4.65E+00	8.62E+00		4.81E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Antimony-124	-2.62E-01	1.18E+00	3.90E+00		1.18E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Antimony-124	-1.19E-01	1.43E+00	4.18E+00		1.43E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Antimony-124	-1.08E-01	1.16E+00	3.67E+00		1.16E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Antimony-124	-7.22E-01	1.01E+00	3.12E+00		1.03E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Antimony-124	-3.91E-01	9.20E-01	3.01E+00		9.25E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Antimony-124	-1.68E+00	8.82E-01	2.52E+00		9.66E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Antimony-124	2.85E+00	1.88E+00	6.79E+00		1.99E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Antimony-124	-2.26E+00	1.11E+00	3.20E+00		1.23E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Antimony-124	1.12E+00	9.05E-01	3.26E+00		9.42E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Antimony-124	1.35E-01	9.74E-01	3.25E+00		9.75E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Antimony-124	1.84E-01	1.31E+00	4.41E+00		1.31E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Antimony-124	4.69E+00	2.52E+00	4.69E+00		2.75E+00	pCi/L	UI
SW-2(415431004) - Surface Water	31-Jan-17	Antimony-125	-7.54E-01	1.39E+00	4.45E+00		1.40E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Antimony-125	1.18E+00	1.38E+00	4.70E+00		1.41E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Antimony-125	-1.45E+00	1.19E+00	3.80E+00		1.23E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Antimony-125	9.42E-02	1.17E+00	3.54E+00		1.17E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Antimony-125	5.54E-01	1.13E+00	3.87E+00		1.13E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Antimony-125	-1.94E-01	9.59E-01	3.23E+00		9.60E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Antimony-125	-7.78E-02	1.61E+00	5.45E+00		1.61E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Antimony-125	1.58E+00	1.41E+00	4.79E+00		1.45E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Antimony-125	1.26E+00	1.16E+00	4.00E+00		1.20E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Antimony-125	-1.16E-01	1.14E+00	3.80E+00		1.14E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Antimony-125	1.85E+00	1.76E+00	5.23E+00		1.82E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Antimony-125	5.68E-01	1.46E+00	4.86E+00		1.47E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Barium-140	7.42E+00	3.01E+00	1.05E+01	1.50E+01	3.47E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Barium-140	6.67E+00	2.97E+00	1.05E+01	1.50E+01	3.35E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Barium-140	9.67E-01	2.31E+00	7.66E+00	1.50E+01	2.32E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Barium-140	-3.95E-01	2.03E+00	6.65E+00	1.50E+01	2.03E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Barium-140	8.66E-01	2.10E+00	7.14E+00	1.50E+01	2.11E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Barium-140	3.63E+00	2.07E+00	7.36E+00	1.50E+01	2.24E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Barium-140	-4.57E+00	3.37E+00	1.06E+01	1.50E+01	3.54E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Barium-140	9.03E-01	1.98E+00	6.54E+00	1.50E+01	2.00E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Barium-140	5.37E-01	2.28E+00	7.59E+00	1.50E+01	2.28E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Barium-140	2.15E+00	2.03E+00	6.95E+00	1.50E+01	2.09E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Barium-140	-1.07E+00	2.70E+00	8.64E+00	1.50E+01	2.71E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Barium-140	-6.55E-01	3.83E+00	1.23E+01	1.50E+01	3.83E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Beryllium-7	-6.23E+00	4.90E+00	1.53E+01		5.11E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Beryllium-7	-3.71E+00	4.68E+00	1.51E+01		4.76E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Beryllium-7	-2.21E+00	4.03E+00	1.31E+01		4.06E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Beryllium-7	-1.41E+00	3.62E+00	1.19E+01		3.63E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Beryllium-7	-3.07E+00	3.61E+00	1.19E+01		3.68E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Beryllium-7	4.35E+00	3.14E+00	1.11E+01		3.31E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Beryllium-7	-2.48E+00	5.52E+00	1.83E+01		5.55E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Beryllium-7	5.05E+00	4.20E+00	1.42E+01		4.36E+00	pCi/L	U

SW-2(433670005) - Surface Water	26-Sep-17	Beryllium-7	2.82E+00	4.03E+00	1.37E+01		4.08E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Beryllium-7	7.93E+00	7.71E+00	1.22E+01		7.71E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Beryllium-7	-9.51E+00	5.22E+00	1.61E+01		5.67E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Beryllium-7	3.52E+00	5.05E+00	1.68E+01		5.12E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cerium-141	-4.41E-01	1.06E+00	3.03E+00		1.07E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cerium-141	-9.15E-01	9.77E-01	3.30E+00		1.00E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Cerium-141	-5.16E+00	1.27E+00	2.61E+00		1.74E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cerium-141	3.25E-01	1.38E+00	2.31E+00		1.38E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cerium-141	-7.94E-01	8.43E-01	2.45E+00		8.63E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Cerium-141	-5.45E-01	7.30E-01	2.33E+00		7.41E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cerium-141	7.20E-01	1.09E+00	3.66E+00		1.11E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cerium-141	-2.93E+00	1.20E+00	2.41E+00		1.38E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cerium-141	1.01E+00	1.48E+00	2.97E+00		1.50E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cerium-141	1.61E+00	1.64E+00	2.81E+00		1.64E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cerium-141	1.01E+00	9.78E-01	2.90E+00		1.01E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cerium-141	-9.14E+00	1.44E+00	2.76E+00		2.57E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cerium-144	-3.99E+00	3.64E+00	1.12E+01		3.75E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cerium-144	1.75E-01	3.57E+00	1.23E+01		3.57E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Cerium-144	4.39E+00	3.08E+00	1.02E+01		3.25E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cerium-144	-3.01E+00	2.95E+00	9.31E+00		3.03E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cerium-144	2.29E+00	3.00E+00	9.82E+00		3.05E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Cerium-144	6.97E-01	2.52E+00	8.21E+00		2.52E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cerium-144	-3.17E+00	3.75E+00	1.22E+01		3.83E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cerium-144	-1.40E+00	2.87E+00	9.24E+00		2.89E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cerium-144	-6.97E-01	3.32E+00	1.05E+01		3.33E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cerium-144	-2.02E+00	3.43E+00	1.08E+01		3.46E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cerium-144	-3.56E+00	3.34E+00	1.09E+01		3.45E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cerium-144	1.58E+00	3.08E+00	9.88E+00		3.11E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cesium-134	-5.82E-02	5.25E-01	1.76E+00	1.50E+01	5.25E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cesium-134	7.01E-01	5.66E-01	1.93E+00	1.50E+01	5.89E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Cesium-134	-1.27E+00	8.49E-01	1.57E+00	1.50E+01	8.98E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cesium-134	-4.97E-01	7.23E-01	1.54E+00	1.50E+01	7.32E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cesium-134	-3.26E-01	4.49E-01	1.43E+00	1.50E+01	4.55E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Cesium-134	4.95E-01	4.36E-01	1.49E+00	1.50E+01	4.51E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cesium-134	-2.69E+00	1.41E+00	2.29E+00	1.50E+01	1.54E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cesium-134	9.62E-01	5.44E-01	1.95E+00	1.50E+01	5.88E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cesium-134	9.65E-02	4.33E-01	1.41E+00	1.50E+01	4.34E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cesium-134	7.28E-01	5.01E-01	1.72E+00	1.50E+01	5.30E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cesium-134	1.19E+00	8.10E-01	2.45E+00	1.50E+01	8.56E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cesium-134	-1.28E-03	6.14E-01	2.06E+00	1.50E+01	6.14E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cesium-137	-5.37E-01	5.74E-01	1.75E+00	1.80E+01	5.87E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cesium-137	5.36E-01	7.39E-01	1.80E+00	1.80E+01	7.49E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Cesium-137	2.40E-01	4.91E-01	1.45E+00	1.80E+01	4.95E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cesium-137	3.44E-01	4.72E-01	1.58E+00	1.80E+01	4.79E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cesium-137	4.82E-01	4.35E-01	1.49E+00	1.80E+01	4.49E-01	pCi/L	U

SW-2(426512004) - Surface Water	27-Jun-17	Cesium-137	-1.22E-01	3.62E-01	1.18E+00	1.80E+01	3.63E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cesium-137	7.21E-02	6.51E-01	2.15E+00	1.80E+01	6.51E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cesium-137	3.50E-01	5.66E-01	1.85E+00	1.80E+01	5.72E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cesium-137	8.45E-01	4.64E-01	1.62E+00	1.80E+01	5.04E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cesium-137	2.87E-01	4.65E-01	1.55E+00	1.80E+01	4.70E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cesium-137	-6.94E-01	9.60E-01	2.16E+00	1.80E+01	9.74E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cesium-137	-6.65E-01	6.30E-01	1.91E+00	1.80E+01	6.48E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Chromium-51	1.58E+00	4.96E+00	1.67E+01		4.97E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Chromium-51	-6.57E+00	5.01E+00	1.62E+01		5.23E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Chromium-51	5.51E-01	4.10E+00	1.39E+01		4.10E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Chromium-51	-9.04E+00	3.68E+00	1.17E+01		4.23E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Chromium-51	3.76E+00	3.97E+00	1.39E+01		4.06E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Chromium-51	-4.05E+00	3.57E+00	1.20E+01		3.70E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Chromium-51	-1.32E+01	6.25E+00	1.80E+01		6.96E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Chromium-51	1.53E-04	4.12E+00	1.39E+01		4.12E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Chromium-51	6.41E+00	4.10E+00	1.44E+01		4.37E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Chromium-51	1.95E+00	3.99E+00	1.37E+01		4.02E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Chromium-51	3.90E-01	5.27E+00	1.73E+01		5.27E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Chromium-51	-7.63E-01	5.97E+00	1.78E+01		5.98E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cobalt-57	2.32E-01	4.97E-01	1.59E+00		5.00E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cobalt-57	4.52E-01	4.73E-01	1.65E+00		4.85E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Cobalt-57	-2.88E-01	4.00E-01	1.27E+00		4.05E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cobalt-57	-2.10E-01	3.87E-01	1.24E+00		3.90E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cobalt-57	-2.15E-01	3.97E-01	1.27E+00		4.00E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Cobalt-57	3.00E-01	3.28E-01	1.09E+00		3.35E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cobalt-57	-1.04E+00	7.51E-01	1.62E+00		7.89E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cobalt-57	1.42E-02	3.61E-01	1.18E+00		3.61E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cobalt-57	2.98E-01	4.28E-01	1.39E+00		4.34E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cobalt-57	6.51E-02	4.50E-01	1.44E+00		4.50E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cobalt-57	4.64E-01	4.28E-01	1.44E+00		4.41E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cobalt-57	5.68E-02	3.71E-01	1.19E+00		3.71E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cobalt-58	-4.33E-01	5.01E-01	1.63E+00	1.50E+01	5.11E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cobalt-58	-7.38E-01	5.25E-01	1.58E+00	1.50E+01	5.52E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Cobalt-58	-3.23E-01	4.11E-01	1.35E+00	1.50E+01	4.17E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cobalt-58	-1.28E-01	4.63E-01	1.47E+00	1.50E+01	4.64E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cobalt-58	-3.07E-02	4.16E-01	1.36E+00	1.50E+01	4.17E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Cobalt-58	-1.71E-01	3.75E-01	1.20E+00	1.50E+01	3.77E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cobalt-58	1.24E+00	6.47E-01	2.31E+00	1.50E+01	7.09E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cobalt-58	5.59E-01	4.77E-01	1.63E+00	1.50E+01	4.94E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cobalt-58	-2.02E-01	4.14E-01	1.30E+00	1.50E+01	4.17E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cobalt-58	9.09E-02	4.08E-01	1.33E+00	1.50E+01	4.09E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cobalt-58	1.65E+00	6.37E-01	2.06E+00	1.50E+01	7.44E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cobalt-58	2.30E-01	5.88E-01	2.01E+00	1.50E+01	5.90E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Cobalt-60	-2.81E-01	5.77E-01	1.82E+00	1.50E+01	5.81E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Cobalt-60	-1.00E+00	8.81E-01	1.86E+00	1.50E+01	9.11E-01	pCi/L	U

SW-2(419472004) - Surface Water	28-Mar-17	Cobalt-60	-1.86E+00	8.46E-01	1.30E+00	1.50E+01	9.49E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Cobalt-60	-7.74E-01	4.30E-01	1.27E+00	1.50E+01	4.66E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Cobalt-60	-1.22E+00	8.45E-01	1.60E+00	1.50E+01	8.91E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Cobalt-60	-4.31E-03	3.73E-01	1.26E+00	1.50E+01	3.73E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Cobalt-60	-8.35E-01	7.09E-01	2.16E+00	1.50E+01	7.36E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Cobalt-60	4.37E-01	5.74E-01	1.92E+00	1.50E+01	5.83E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Cobalt-60	-1.61E-01	4.07E-01	1.34E+00	1.50E+01	4.09E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Cobalt-60	3.73E-02	5.30E-01	1.58E+00	1.50E+01	5.30E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Cobalt-60	4.94E-01	6.01E-01	2.10E+00	1.50E+01	6.12E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Cobalt-60	-3.62E-02	6.11E-01	1.96E+00	1.50E+01	6.11E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Iodine-131	-3.42E-01	1.09E+00	3.56E+00		1.09E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Iodine-131	9.84E-01	1.10E+00	3.76E+00		1.13E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Iodine-131	-7.22E-01	1.24E+00	2.78E+00		1.25E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Iodine-131	-8.03E-01	8.41E-01	2.47E+00		8.61E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Iodine-131	-1.11E+00	8.17E-01	2.71E+00		8.57E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Iodine-131	2.27E+00	1.38E+00	2.79E+00		1.38E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Iodine-131	2.35E+00	1.25E+00	4.52E+00		1.36E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Iodine-131	5.36E-01	5.88E-01	2.01E+00		6.01E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Iodine-131	-5.20E-01	8.40E-01	2.78E+00		8.49E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Iodine-131	4.25E-01	7.22E-01	2.47E+00		7.29E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Iodine-131	4.23E-01	8.02E-01	2.65E+00		8.08E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Iodine-131	-5.73E-01	1.52E+00	4.99E+00		1.53E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Iron-59	1.90E+00	2.10E+00	3.95E+00	3.00E+01	2.14E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Iron-59	-8.68E-01	1.11E+00	3.38E+00	3.00E+01	1.13E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Iron-59	-5.32E-01	8.25E-01	2.66E+00	3.00E+01	8.34E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Iron-59	1.23E+00	8.80E-01	3.15E+00	3.00E+01	9.25E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Iron-59	-4.83E-02	8.44E-01	2.70E+00	3.00E+01	8.44E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Iron-59	2.45E-03	8.40E-01	2.67E+00	3.00E+01	8.40E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Iron-59	3.28E-01	1.40E+00	4.78E+00	3.00E+01	1.40E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Iron-59	1.33E+00	1.04E+00	3.59E+00	3.00E+01	1.09E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Iron-59	-4.59E-01	8.46E-01	2.80E+00	3.00E+01	8.53E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Iron-59	-3.58E-02	9.06E-01	3.07E+00	3.00E+01	9.06E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Iron-59	9.14E-01	1.21E+00	4.20E+00	3.00E+01	1.23E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Iron-59	6.15E-01	1.35E+00	4.51E+00	3.00E+01	1.35E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Lanthanum-140	6.01E-01	8.47E-01	2.97E+00	1.50E+01	8.58E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Lanthanum-140	7.47E-02	1.06E+00	3.57E+00	1.50E+01	1.06E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Lanthanum-140	2.29E-01	8.17E-01	2.67E+00	1.50E+01	8.18E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Lanthanum-140	3.87E-02	7.99E-01	2.62E+00	1.50E+01	7.99E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Lanthanum-140	-5.06E-01	6.34E-01	2.03E+00	1.50E+01	6.44E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Lanthanum-140	-8.30E-01	7.74E-01	2.41E+00	1.50E+01	7.98E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Lanthanum-140	-2.26E+00	1.50E+00	4.38E+00	1.50E+01	1.59E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Lanthanum-140	2.43E-03	6.51E-01	2.18E+00	1.50E+01	6.51E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Lanthanum-140	-1.37E-01	8.24E-01	2.70E+00	1.50E+01	8.25E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Lanthanum-140	-3.64E-01	7.57E-01	2.44E+00	1.50E+01	7.62E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Lanthanum-140	-1.52E+00	8.00E-01	2.36E+00	1.50E+01	8.75E-01	pCi/L	U

SW-2(440782006) - Surface Water	27-Dec-17	Lanthanum-140	1.21E+00	1.27E+00	4.51E+00	1.50E+01	1.30E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Manganese-54	-8.15E-01	4.74E-01	1.47E+00	1.50E+01	5.10E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Manganese-54	7.53E-01	4.72E-01	1.64E+00	1.50E+01	5.03E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Manganese-54	7.74E-02	4.35E-01	1.48E+00	1.50E+01	4.35E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Manganese-54	-9.47E-02	4.69E-01	1.49E+00	1.50E+01	4.70E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Manganese-54	2.40E-01	4.04E-01	1.35E+00	1.50E+01	4.07E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Manganese-54	-2.20E-01	3.74E-01	1.18E+00	1.50E+01	3.77E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Manganese-54	-4.76E-01	7.07E-01	1.92E+00	1.50E+01	7.16E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Manganese-54	-2.50E-01	5.23E-01	1.73E+00	1.50E+01	5.26E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Manganese-54	3.02E-01	4.34E-01	1.44E+00	1.50E+01	4.40E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Manganese-54	-4.96E-01	5.20E-01	1.41E+00	1.50E+01	5.33E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Manganese-54	6.70E-02	6.25E-01	2.02E+00	1.50E+01	6.26E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Manganese-54	-3.84E-02	5.65E-01	1.89E+00	1.50E+01	5.65E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Niobium-95	6.36E-01	5.22E-01	1.84E+00	1.50E+01	5.43E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Niobium-95	8.74E-01	5.60E-01	1.93E+00	1.50E+01	5.95E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Niobium-95	-1.99E-01	4.89E-01	1.53E+00	1.50E+01	4.91E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Niobium-95	1.02E+00	6.42E-01	1.02E+00	1.50E+01	6.43E-01	pCi/L	UI
SW-2(424437004) - Surface Water	30-May-17	Niobium-95	-3.63E-01	4.64E-01	1.48E+00	1.50E+01	4.71E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Niobium-95	5.84E-01	4.13E-01	1.30E+00	1.50E+01	4.35E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Niobium-95	4.24E-01	7.03E-01	2.35E+00	1.50E+01	7.10E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Niobium-95	-3.11E-01	4.89E-01	1.62E+00	1.50E+01	4.94E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Niobium-95	-1.39E-01	4.28E-01	1.36E+00	1.50E+01	4.29E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Niobium-95	4.81E-01	4.35E-01	1.47E+00	1.50E+01	4.49E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Niobium-95	1.38E+00	6.11E-01	2.13E+00	1.50E+01	6.90E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Niobium-95	1.18E+00	7.98E-01	2.16E+00	1.50E+01	7.99E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Potassium-40	1.06E+01	1.51E+01	1.51E+01		1.51E+01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Potassium-40	1.41E+00	1.37E+01	1.76E+01		1.37E+01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Potassium-40	7.64E-01	9.16E+00	2.24E+01		9.16E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Potassium-40	-1.97E+01	9.00E+00	2.06E+01		1.01E+01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Potassium-40	-3.20E+01	8.84E+00	2.12E+01		1.15E+01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Potassium-40	-7.33E+00	8.97E+00	1.95E+01		9.13E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Potassium-40	1.20E+01	1.69E+01	2.39E+01		1.69E+01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Potassium-40	-4.62E+01	1.01E+01	2.03E+01		1.48E+01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Potassium-40	-1.53E+00	7.63E+00	2.14E+01		7.64E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Potassium-40	2.53E+00	1.07E+01	1.61E+01		1.07E+01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Potassium-40	-3.52E+01	1.35E+01	2.94E+01		1.58E+01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Potassium-40	-2.32E+01	1.02E+01	2.67E+01		1.16E+01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Ruthenium-103	-1.52E+00	6.20E-01	1.85E+00		7.13E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Ruthenium-103	-3.12E-01	5.56E-01	1.80E+00		5.61E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Ruthenium-103	-3.79E-02	5.35E-01	1.57E+00		5.35E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Ruthenium-103	-4.60E-02	5.01E-01	1.48E+00		5.01E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Ruthenium-103	9.30E-02	4.94E-01	1.51E+00		4.95E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Ruthenium-103	3.74E-01	4.29E-01	1.35E+00		4.38E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Ruthenium-103	-9.49E-01	7.08E-01	1.98E+00		7.42E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Ruthenium-103	-2.07E-01	5.11E-01	1.46E+00		5.13E-01	pCi/L	U

SW-2(433670005) - Surface Water	26-Sep-17	Ruthenium-103	-5.27E-01	5.31E-01	1.51E+00		5.45E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Ruthenium-103	-3.35E-01	4.87E-01	1.58E+00		4.93E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Ruthenium-103	-7.24E-01	6.37E-01	2.00E+00		6.59E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Ruthenium-103	-1.05E+00	6.58E-01	2.01E+00		7.03E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Ruthenium-106	2.94E+00	4.51E+00	1.48E+01		4.56E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Ruthenium-106	4.72E+00	4.65E+00	1.58E+01		4.78E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Ruthenium-106	7.84E+00	3.84E+00	1.34E+01		4.25E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Ruthenium-106	3.99E-01	4.19E+00	1.38E+01		4.20E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Ruthenium-106	3.49E+00	3.77E+00	1.29E+01		3.86E+00	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Ruthenium-106	3.37E-01	3.37E+00	1.12E+01		3.37E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Ruthenium-106	-1.83E+00	6.06E+00	1.97E+01		6.07E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Ruthenium-106	-3.67E+00	4.53E+00	1.41E+01		4.62E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Ruthenium-106	1.97E+00	3.74E+00	1.25E+01		3.77E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Ruthenium-106	-2.40E+00	3.87E+00	1.24E+01		3.91E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Ruthenium-106	-1.96E-01	5.70E+00	1.84E+01		5.70E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Ruthenium-106	-1.06E+00	5.36E+00	1.69E+01		5.36E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Selenium-75	-5.46E-01	6.73E-01	2.23E+00		6.85E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Selenium-75	-3.46E-01	6.85E-01	2.28E+00		6.89E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Selenium-75	-6.23E-02	5.77E-01	1.97E+00		5.77E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Selenium-75	5.26E-01	5.86E-01	1.87E+00		5.98E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Selenium-75	-6.92E-01	6.05E-01	1.85E+00		6.26E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Selenium-75	-1.58E-01	5.18E-01	1.61E+00		5.20E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Selenium-75	1.81E+00	1.12E+00	2.79E+00		1.19E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Selenium-75	1.11E+00	6.28E-01	2.22E+00		6.79E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Selenium-75	-4.59E-01	5.65E-01	1.90E+00		5.75E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Selenium-75	-4.78E-01	5.98E-01	2.01E+00		6.08E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Selenium-75	-1.21E+00	7.59E-01	2.41E+00		8.10E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Selenium-75	2.29E-01	6.40E-01	2.18E+00		6.42E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Silver-108m	-6.02E-01	4.58E-01	1.43E+00		4.78E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Silver-108m	2.15E-01	6.41E-01	1.55E+00		6.42E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Silver-108m	3.25E-01	4.03E-01	1.37E+00		4.10E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Silver-108m	8.24E-01	3.80E-01	1.35E+00		4.25E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Silver-108m	4.08E-01	3.55E-01	1.24E+00		3.67E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Silver-108m	-3.16E-01	3.08E-01	1.01E+00		3.16E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Silver-108m	-4.48E-01	5.58E-01	1.84E+00		5.68E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Silver-108m	-2.49E-01	4.50E-01	1.46E+00		4.53E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Silver-108m	4.80E-01	3.98E-01	1.38E+00		4.13E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Silver-108m	1.99E-01	4.45E-01	1.36E+00		4.47E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Silver-108m	1.47E+00	1.16E+00	1.94E+00		1.21E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Silver-108m	-2.79E-01	4.64E-01	1.49E+00		4.69E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Silver-110m	1.79E-01	6.70E-01	2.26E+00		6.71E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Silver-110m	5.79E-01	7.33E-01	2.44E+00		7.45E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Silver-110m	1.54E-01	5.58E-01	1.91E+00		5.59E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Silver-110m	-4.99E-01	6.39E-01	1.96E+00		6.50E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Silver-110m	5.20E-01	5.31E-01	1.80E+00		5.44E-01	pCi/L	U

SW-2(426512004) - Surface Water	27-Jun-17	Silver-110m	-6.11E-02	5.11E-01	1.64E+00		5.11E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Silver-110m	9.36E-01	8.53E-01	2.92E+00		8.81E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Silver-110m	1.31E-01	7.28E-01	2.45E+00		7.29E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Silver-110m	1.45E-02	5.75E-01	1.85E+00		5.75E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Silver-110m	7.89E-02	6.02E-01	1.94E+00		6.02E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Silver-110m	1.45E+00	7.25E-01	3.06E+00		8.00E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Silver-110m	7.41E-01	7.99E-01	2.77E+00		8.18E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Strontium-89	-4.72E+00	3.66E-01	2.29E+00	1.00E+01	5.71E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Strontium-89	-1.58E+00	3.08E-01	1.47E+00	1.00E+01	4.75E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Strontium-89	-5.18E+00	3.00E-01	2.19E+00	1.00E+01	4.62E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Strontium-89	-2.92E-01	9.37E-01	1.65E+00	1.00E+01	1.16E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Strontium-89	-1.95E+00	6.84E-01	2.61E+00	1.00E+01	7.69E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Strontium-89	-7.53E-01	4.24E-01	1.61E+00	1.00E+01	6.22E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Strontium-89	-4.10E-01	3.80E-01	1.38E+00	1.00E+01	5.74E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Strontium-89	-2.18E+00	1.92E-01	1.13E+00	1.00E+01	4.11E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Strontium-89	-6.13E-01	2.80E-01	1.16E+00	1.00E+01	5.32E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Strontium-89	-2.42E+00	2.68E-01	1.76E+00	1.00E+01	5.88E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Strontium-89	-3.98E-01	3.47E-01	1.26E+00	1.00E+01	3.98E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Strontium-89	-2.08E+00	1.15E-01	1.30E+00	1.00E+01	4.04E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Strontium-90	1.81E+00	3.49E-01	1.91E+00	2.00E+00	6.42E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Strontium-90	1.30E+00	2.96E-01	1.62E+00	2.00E+00	5.88E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Strontium-90	-9.03E-01	3.00E-01	1.85E+00	2.00E+00	5.26E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Strontium-90	-3.35E-01	5.91E-01	1.61E+00	2.00E+00	8.89E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Strontium-90	-4.56E-01	2.85E-01	1.81E+00	2.00E+00	5.27E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Strontium-90	-2.30E-02	4.52E-01	1.49E+00	2.00E+00	4.52E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Strontium-90	4.51E-02	3.19E-01	1.34E+00	2.00E+00	4.13E-01	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Strontium-90	-1.12E+00	3.56E-01	1.70E+00	2.00E+00	4.48E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Strontium-90	9.12E-01	3.60E-01	1.67E+00	2.00E+00	5.81E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Strontium-90	9.70E-01	3.85E-01	1.45E+00	2.00E+00	5.25E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Strontium-90	-8.87E-02	1.63E-01	7.03E-01	2.00E+00	2.12E-01	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Strontium-90	-7.67E-01	3.03E-01	1.55E+00	2.00E+00	4.07E-01	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Thorium-228	2.30E-01	2.02E+00	4.18E+00		2.02E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Thorium-228	2.92E+00	2.50E+00	2.92E+00		2.50E+00	pCi/L	UI
SW-2(419472004) - Surface Water	28-Mar-17	Thorium-228	1.25E+00	1.61E+00	2.69E+00		1.61E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Thorium-228	7.08E-01	1.80E+00	3.13E+00		1.80E+00	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Thorium-228	3.03E+00	2.09E+00	3.03E+00		2.24E+00	pCi/L	UI
SW-2(426512004) - Surface Water	27-Jun-17	Thorium-228	-5.28E-01	1.14E+00	2.83E+00		1.15E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Thorium-228	3.09E+00	2.73E+00	4.69E+00		2.82E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Thorium-228	1.45E+00	1.94E+00	3.12E+00		1.97E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Thorium-228	1.54E+00	1.86E+00	3.23E+00		1.90E+00	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Thorium-228	3.46E+00	1.94E+00	3.49E+00		2.11E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Thorium-228	4.11E+00	2.35E+00	4.23E+00		2.54E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Thorium-228	1.18E+00	1.87E+00	3.63E+00		1.89E+00	pCi/L	U
SW-2(423146004) - Surface Water	28-Mar-17	Tritium	1.88E-01	1.36E-01	4.27E-01	5.00E-01	1.37E-01	pCi/mL	U
SW-2(429795004) - Surface Water	27-Jun-17	Tritium	-8.26E-02	1.21E-01	4.06E-01	5.00E-01	1.21E-01	pCi/mL	U

SW-2(436538005) - Surface Water	26-Sep-17	Tritium	1.22E-01	9.20E-02	2.93E-01	5.00E-01	9.28E-02	pCi/mL	U
SW-2(441665006) - Surface Water	27-Dec-17	Tritium	1.59E-01	1.16E-01	3.63E-01	5.00E-01	1.17E-01	pCi/mL	U
SW-2(415431004) - Surface Water	31-Jan-17	Zinc-65	-5.36E-02	1.03E+00	3.37E+00	3.00E+01	1.03E+00	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Zinc-65	-2.50E-01	1.03E+00	3.22E+00	3.00E+01	1.03E+00	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Zinc-65	2.41E+00	8.83E-01	3.05E+00	3.00E+01	1.04E+00	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Zinc-65	1.62E+00	8.96E-01	2.99E+00	3.00E+01	9.71E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Zinc-65	2.83E-01	9.79E-01	2.84E+00	3.00E+01	9.81E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Zinc-65	1.45E+00	9.45E-01	2.95E+00	3.00E+01	1.00E+00	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Zinc-65	-5.54E+00	1.90E+00	4.25E+00	3.00E+01	2.30E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Zinc-65	6.17E-01	1.10E+00	3.69E+00	3.00E+01	1.11E+00	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Zinc-65	1.98E+00	8.30E-01	2.91E+00	3.00E+01	9.51E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Zinc-65	1.29E+00	1.05E+00	3.36E+00	3.00E+01	1.09E+00	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Zinc-65	-3.23E+00	1.51E+00	3.83E+00	3.00E+01	1.68E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Zinc-65	8.34E-02	1.19E+00	3.89E+00	3.00E+01	1.19E+00	pCi/L	U
SW-2(415431004) - Surface Water	31-Jan-17	Zirconium-95	-2.92E-01	8.82E-01	2.94E+00	1.50E+01	8.85E-01	pCi/L	U
SW-2(417560004) - Surface Water	28-Feb-17	Zirconium-95	-4.37E-03	9.52E-01	3.08E+00	1.50E+01	9.52E-01	pCi/L	U
SW-2(419472004) - Surface Water	28-Mar-17	Zirconium-95	7.57E-01	7.72E-01	2.57E+00	1.50E+01	7.92E-01	pCi/L	U
SW-2(421490004) - Surface Water	25-Apr-17	Zirconium-95	-3.29E-01	8.71E-01	2.44E+00	1.50E+01	8.74E-01	pCi/L	U
SW-2(424437004) - Surface Water	30-May-17	Zirconium-95	1.47E-01	7.27E-01	2.41E+00	1.50E+01	7.28E-01	pCi/L	U
SW-2(426512004) - Surface Water	27-Jun-17	Zirconium-95	6.92E-01	6.76E-01	2.31E+00	1.50E+01	6.95E-01	pCi/L	U
SW-2(428888004) - Surface Water	25-Jul-17	Zirconium-95	-1.85E+00	1.24E+00	3.69E+00	1.50E+01	1.31E+00	pCi/L	U
SW-2(431777004) - Surface Water	29-Aug-17	Zirconium-95	-5.37E-02	8.92E-01	3.02E+00	1.50E+01	8.92E-01	pCi/L	U
SW-2(433670005) - Surface Water	26-Sep-17	Zirconium-95	-1.05E+00	8.06E-01	2.12E+00	1.50E+01	8.43E-01	pCi/L	U
SW-2(436755004) - Surface Water	31-Oct-17	Zirconium-95	1.19E+00	7.72E-01	2.67E+00	1.50E+01	8.21E-01	pCi/L	U
SW-2(438794004) - Surface Water	28-Nov-17	Zirconium-95	8.23E-01	1.11E+00	3.69E+00	1.50E+01	1.13E+00	pCi/L	U
SW-2(440782006) - Surface Water	27-Dec-17	Zirconium-95	-7.82E-01	1.05E+00	3.45E+00	1.50E+01	1.07E+00	pCi/L	U

SW-3

Surface Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
SW-3(415431005) - Surface Water	31-Jan-17	Actinium-228	5.01E+00	1.68E+00	6.14E+00		2.04E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Actinium-228	1.11E+01	4.13E+00	1.11E+01		5.34E+00	pCi/L	UI
SW-3(419472005) - Surface Water	28-Mar-17	Actinium-228	-4.94E+00	5.12E+00	1.00E+01		5.24E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Actinium-228	-1.94E+00	3.48E+00	6.88E+00		3.51E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Actinium-228	-6.63E+00	5.48E+00	8.00E+00		5.69E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Actinium-228	4.36E-02	3.22E+00	7.90E+00		3.22E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Actinium-228	1.79E+00	3.38E+00	7.13E+00		3.41E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Actinium-228	-4.25E+00	3.28E+00	7.20E+00		3.43E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Actinium-228	8.73E+00	5.11E+00	8.73E+00		5.53E+00	pCi/L	UI
SW-3(436755005) - Surface Water	31-Oct-17	Actinium-228	6.61E+00	4.49E+00	8.22E+00		4.50E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Actinium-228	5.04E+00	4.52E+00	8.32E+00		4.67E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Actinium-228	-2.02E+00	3.09E+00	6.80E+00		3.13E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Antimony-124	1.89E+00	1.08E+00	3.93E+00		1.17E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Antimony-124	-3.18E-02	1.92E+00	5.51E+00		1.92E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Antimony-124	-7.10E-01	1.40E+00	4.50E+00		1.41E+00	pCi/L	U

SW-3(421490005) - Surface Water	25-Apr-17	Antimony-124	1.22E-01	1.09E+00	3.59E+00		1.09E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Antimony-124	-1.88E+00	1.32E+00	3.98E+00		1.39E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Antimony-124	5.92E-01	1.37E+00	4.01E+00		1.38E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Antimony-124	-2.04E+00	1.15E+00	3.27E+00		1.24E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Antimony-124	-1.64E+00	1.30E+00	3.54E+00		1.35E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Antimony-124	2.11E+00	1.30E+00	4.37E+00		1.39E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Antimony-124	-2.74E-01	1.62E+00	5.20E+00		1.62E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Antimony-124	-1.32E+00	1.23E+00	3.85E+00		1.27E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Antimony-124	6.70E-01	1.02E+00	3.47E+00		1.03E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Antimony-125	6.93E-01	1.05E+00	3.66E+00		1.06E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Antimony-125	1.12E+00	1.58E+00	5.53E+00		1.60E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Antimony-125	1.04E+00	1.85E+00	6.02E+00		1.86E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Antimony-125	-1.29E+00	1.23E+00	3.93E+00		1.27E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Antimony-125	6.68E-01	1.34E+00	4.50E+00		1.35E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Antimony-125	6.77E-01	1.31E+00	4.46E+00		1.32E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Antimony-125	-1.29E+00	1.17E+00	3.79E+00		1.21E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Antimony-125	-1.50E+00	1.36E+00	4.27E+00		1.40E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Antimony-125	1.24E+00	1.32E+00	4.51E+00		1.35E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Antimony-125	-4.34E-01	1.59E+00	5.35E+00		1.59E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Antimony-125	-4.00E+00	2.07E+00	4.42E+00		2.27E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Antimony-125	7.25E-02	1.14E+00	3.84E+00		1.14E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Barium-140	-8.16E+00	3.53E+00	7.53E+00	1.50E+01	4.00E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Barium-140	-1.07E+00	3.48E+00	1.16E+01	1.50E+01	3.49E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Barium-140	-3.64E+00	5.37E+00	1.13E+01	1.50E+01	5.44E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Barium-140	5.11E+00	2.36E+00	8.25E+00	1.50E+01	2.63E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Barium-140	-8.83E-01	2.98E+00	9.54E+00	1.50E+01	2.99E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Barium-140	9.53E-01	2.69E+00	9.00E+00	1.50E+01	2.70E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Barium-140	-2.11E+00	2.70E+00	8.68E+00	1.50E+01	2.74E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Barium-140	8.63E-01	2.04E+00	6.65E+00	1.50E+01	2.05E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Barium-140	-1.96E+00	2.83E+00	9.08E+00	1.50E+01	2.87E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Barium-140	4.27E+00	3.27E+00	1.10E+01	1.50E+01	3.42E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Barium-140	1.42E+00	2.06E+00	6.86E+00	1.50E+01	2.09E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Barium-140	1.91E+00	3.00E+00	9.14E+00	1.50E+01	3.03E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Beryllium-7	-1.37E+00	3.66E+00	1.23E+01		3.67E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Beryllium-7	8.26E+00	5.62E+00	2.00E+01		5.94E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Beryllium-7	-1.76E+01	9.63E+00	1.93E+01		1.05E+01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Beryllium-7	7.64E+00	4.13E+00	1.43E+01		4.49E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Beryllium-7	-1.15E+01	5.00E+00	1.51E+01		5.68E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Beryllium-7	2.11E+00	4.22E+00	1.43E+01		4.25E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Beryllium-7	4.84E+00	3.81E+00	1.32E+01		3.97E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Beryllium-7	-3.77E-01	4.19E+00	1.35E+01		4.19E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Beryllium-7	-8.74E+00	4.30E+00	1.32E+01		4.76E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Beryllium-7	7.09E+00	5.33E+00	1.88E+01		5.58E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Beryllium-7	-1.99E+00	4.74E+00	1.37E+01		4.76E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Beryllium-7	5.50E-01	3.77E+00	1.26E+01		3.77E+00	pCi/L	U

SW-3(415431005) - Surface Water	31-Jan-17	Cerium-141	-1.32E+00	7.49E-01	2.40E+00		8.08E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cerium-141	2.26E+00	2.24E+00	3.40E+00		2.24E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cerium-141	2.96E+00	1.72E+00	2.96E+00		1.72E+00	pCi/L	UI
SW-3(421490005) - Surface Water	25-Apr-17	Cerium-141	1.42E+00	1.56E+00	2.84E+00		1.56E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cerium-141	1.29E+00	8.90E-01	2.70E+00		9.39E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cerium-141	-1.10E+00	8.84E-01	2.81E+00		9.21E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Cerium-141	-2.93E+00	1.19E+00	2.56E+00		1.37E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cerium-141	2.61E+00	1.60E+00	2.61E+00		1.60E+00	pCi/L	UI
SW-3(433670001) - Surface Water	26-Sep-17	Cerium-141	-5.78E-01	9.53E-01	3.24E+00		9.63E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Cerium-141	-5.91E+00	2.02E+00	3.27E+00		2.44E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cerium-141	5.25E-02	1.30E+00	2.49E+00		1.30E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cerium-141	-5.73E+00	1.46E+00	2.77E+00		1.98E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Cerium-144	1.06E+00	2.67E+00	8.96E+00		2.68E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cerium-144	1.04E+01	4.93E+00	1.26E+01		4.94E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cerium-144	5.07E+00	3.78E+00	1.16E+01		3.96E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Cerium-144	2.43E+00	3.60E+00	1.13E+01		3.64E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cerium-144	5.65E-01	2.92E+00	9.35E+00		2.92E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cerium-144	-3.28E+00	2.98E+00	9.53E+00		3.08E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Cerium-144	7.41E-01	2.79E+00	9.05E+00		2.79E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cerium-144	-7.46E+00	3.34E+00	1.09E+01		3.76E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Cerium-144	-7.06E-01	3.50E+00	1.20E+01		3.51E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Cerium-144	-8.02E+00	3.94E+00	1.25E+01		4.36E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cerium-144	-4.52E+00	2.91E+00	9.20E+00		3.10E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cerium-144	7.10E-01	2.93E+00	9.53E+00		2.93E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Cesium-134	-1.72E-01	4.55E-01	1.46E+00	1.50E+01	4.57E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cesium-134	-7.62E-02	7.18E-01	2.32E+00	1.50E+01	7.18E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cesium-134	1.39E-01	7.47E-01	2.53E+00	1.50E+01	7.48E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Cesium-134	4.40E-01	4.88E-01	1.62E+00	1.50E+01	4.99E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cesium-134	1.36E-01	6.50E-01	2.21E+00	1.50E+01	6.51E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cesium-134	4.90E-01	5.17E-01	1.73E+00	1.50E+01	5.29E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Cesium-134	-5.64E-01	5.03E-01	1.53E+00	1.50E+01	5.20E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cesium-134	5.98E-01	4.95E-01	1.76E+00	1.50E+01	5.14E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Cesium-134	1.92E+00	1.91E+00	1.92E+00	1.50E+01	2.01E+00	pCi/L	UI
SW-3(436755005) - Surface Water	31-Oct-17	Cesium-134	-7.62E-01	1.10E+00	2.25E+00	1.50E+01	1.11E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cesium-134	2.88E-01	5.50E-01	1.89E+00	1.50E+01	5.54E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cesium-134	-5.48E-01	4.34E-01	1.31E+00	1.50E+01	4.53E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Cesium-137	-7.65E-01	4.31E-01	1.32E+00	1.80E+01	4.66E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cesium-137	-4.56E-01	7.25E-01	2.33E+00	1.80E+01	7.33E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cesium-137	4.08E-01	7.22E-01	2.48E+00	1.80E+01	7.28E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Cesium-137	6.14E-01	4.89E-01	1.65E+00	1.80E+01	5.09E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cesium-137	-1.27E+00	8.83E-01	1.94E+00	1.80E+01	9.32E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cesium-137	-3.87E-01	4.83E-01	1.51E+00	1.80E+01	4.91E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Cesium-137	5.45E-02	5.15E-01	1.51E+00	1.80E+01	5.15E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cesium-137	-1.10E-02	5.28E-01	1.68E+00	1.80E+01	5.28E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Cesium-137	-6.91E-01	5.34E-01	1.65E+00	1.80E+01	5.57E-01	pCi/L	U

SW-3(436755005) - Surface Water	31-Oct-17	Cesium-137	2.10E-01	6.38E-01	2.13E+00	1.80E+01	6.40E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cesium-137	-4.95E-01	6.20E-01	1.68E+00	1.80E+01	6.30E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cesium-137	1.18E-01	1.31E+00	1.40E+00	1.80E+01	1.31E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Chromium-51	-1.98E+00	4.19E+00	1.30E+01		4.21E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Chromium-51	4.25E-01	6.31E+00	1.99E+01		6.31E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Chromium-51	-4.97E+00	6.02E+00	1.91E+01		6.13E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Chromium-51	-3.94E+00	4.33E+00	1.41E+01		4.42E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Chromium-51	2.72E+00	4.81E+00	1.64E+01		4.85E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Chromium-51	-5.83E+00	4.61E+00	1.53E+01		4.80E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Chromium-51	-1.24E+00	4.09E+00	1.39E+01		4.10E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Chromium-51	-1.06E+00	4.16E+00	1.36E+01		4.17E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Chromium-51	1.61E+00	5.20E+00	1.76E+01		5.22E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Chromium-51	-2.17E+00	5.85E+00	1.81E+01		5.88E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Chromium-51	-5.06E+00	3.98E+00	1.31E+01		4.15E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Chromium-51	3.91E+00	4.78E+00	1.59E+01		4.87E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Cobalt-57	1.07E-02	3.54E-01	1.19E+00		3.54E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cobalt-57	7.82E-01	4.81E-01	1.66E+00		5.14E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cobalt-57	-7.86E-02	4.53E-01	1.47E+00		4.54E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Cobalt-57	7.38E-02	4.70E-01	1.47E+00		4.70E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cobalt-57	7.57E-02	3.53E-01	1.14E+00		3.53E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cobalt-57	-8.18E-01	4.06E-01	1.17E+00		4.49E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Cobalt-57	-1.03E+00	5.19E-01	1.18E+00		5.71E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cobalt-57	9.13E-01	5.96E-01	1.47E+00		5.96E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Cobalt-57	7.98E-01	4.71E-01	1.66E+00		5.07E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Cobalt-57	-1.12E+00	4.79E-01	1.52E+00		5.47E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cobalt-57	-2.04E-01	3.81E-01	1.23E+00		3.84E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cobalt-57	-2.65E-01	4.06E-01	1.20E+00		4.11E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Cobalt-58	8.93E-02	4.22E-01	1.39E+00	1.50E+01	4.23E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cobalt-58	-8.00E-02	6.99E-01	2.26E+00	1.50E+01	6.99E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cobalt-58	3.11E-01	6.88E-01	2.35E+00	1.50E+01	6.91E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Cobalt-58	-2.19E-01	4.71E-01	1.47E+00	1.50E+01	4.74E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cobalt-58	-6.13E-01	5.73E-01	1.85E+00	1.50E+01	5.91E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cobalt-58	-6.11E-02	5.24E-01	1.66E+00	1.50E+01	5.24E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Cobalt-58	-2.06E-01	4.50E-01	1.41E+00	1.50E+01	4.53E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cobalt-58	-5.21E-01	4.95E-01	1.40E+00	1.50E+01	5.10E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Cobalt-58	1.76E-01	4.85E-01	1.59E+00	1.50E+01	4.86E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Cobalt-58	-1.00E+00	6.52E-01	1.91E+00	1.50E+01	6.93E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cobalt-58	-2.46E-01	4.66E-01	1.54E+00	1.50E+01	4.70E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cobalt-58	7.19E-01	4.26E-01	1.47E+00	1.50E+01	4.58E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Cobalt-60	-1.83E-01	5.01E-01	1.44E+00	1.50E+01	5.03E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Cobalt-60	2.71E-01	7.46E-01	2.55E+00	1.50E+01	7.49E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Cobalt-60	1.25E+00	8.16E-01	2.60E+00	1.50E+01	8.66E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Cobalt-60	2.52E-01	4.43E-01	1.52E+00	1.50E+01	4.47E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Cobalt-60	-4.74E-01	6.25E-01	1.93E+00	1.50E+01	6.35E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Cobalt-60	-4.73E-01	8.12E-01	1.75E+00	1.50E+01	8.19E-01	pCi/L	U

SW-3(428888005) - Surface Water	25-Jul-17	Cobalt-60	9.31E-01	4.34E-01	1.61E+00	1.50E+01	4.84E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Cobalt-60	-1.54E-01	5.09E-01	1.66E+00	1.50E+01	5.11E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Cobalt-60	1.64E-01	5.48E-01	1.88E+00	1.50E+01	5.49E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Cobalt-60	-1.67E-01	7.79E-01	2.55E+00	1.50E+01	7.80E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Cobalt-60	-1.30E-01	5.95E-01	1.89E+00	1.50E+01	5.96E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Cobalt-60	1.95E-01	4.44E-01	1.50E+00	1.50E+01	4.46E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Iodine-131	1.32E+00	9.36E-01	3.07E+00		9.85E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Iodine-131	2.20E-01	1.43E+00	4.49E+00		1.43E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Iodine-131	2.17E+00	1.20E+00	4.04E+00		1.31E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Iodine-131	-2.91E-01	8.49E-01	2.80E+00		8.52E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Iodine-131	-2.88E-01	9.91E-01	3.27E+00		9.93E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Iodine-131	8.74E-02	1.10E+00	3.74E+00		1.10E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Iodine-131	1.10E+00	9.64E-01	3.36E+00		9.97E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Iodine-131	7.36E-01	5.75E-01	1.95E+00		6.00E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Iodine-131	-1.14E+00	1.17E+00	3.38E+00		1.20E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Iodine-131	-5.36E-01	1.01E+00	3.41E+00		1.02E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Iodine-131	1.72E+00	6.65E-01	2.35E+00		7.76E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Iodine-131	2.58E-01	1.22E+00	4.17E+00		1.23E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Iron-59	5.53E-01	8.55E-01	2.82E+00	3.00E+01	8.65E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Iron-59	-8.83E-01	1.33E+00	4.36E+00	3.00E+01	1.35E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Iron-59	-4.79E-01	1.41E+00	4.66E+00	3.00E+01	1.42E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Iron-59	-7.21E-01	8.49E-01	2.74E+00	3.00E+01	8.66E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Iron-59	2.91E-01	1.26E+00	4.18E+00	3.00E+01	1.26E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Iron-59	4.42E-01	1.11E+00	3.76E+00	3.00E+01	1.11E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Iron-59	7.58E-01	9.11E-01	3.19E+00	3.00E+01	9.28E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Iron-59	-7.45E-01	9.55E-01	3.10E+00	3.00E+01	9.71E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Iron-59	-3.00E-01	1.08E+00	3.36E+00	3.00E+01	1.08E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Iron-59	-4.73E-01	1.46E+00	4.24E+00	3.00E+01	1.46E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Iron-59	-9.25E-01	9.91E-01	3.11E+00	3.00E+01	1.02E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Iron-59	1.31E+00	9.64E-01	3.42E+00	3.00E+01	1.01E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Lanthanum-140	-8.20E-02	9.03E-01	2.97E+00	1.50E+01	9.03E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Lanthanum-140	-7.84E-01	1.25E+00	3.92E+00	1.50E+01	1.27E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Lanthanum-140	-7.48E-01	1.10E+00	3.53E+00	1.50E+01	1.12E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Lanthanum-140	-2.00E+00	8.81E-01	2.45E+00	1.50E+01	9.95E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Lanthanum-140	-6.59E-01	1.05E+00	3.39E+00	1.50E+01	1.06E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Lanthanum-140	-4.61E-01	1.13E+00	3.57E+00	1.50E+01	1.14E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Lanthanum-140	-2.64E-01	9.04E-01	2.52E+00	1.50E+01	9.06E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Lanthanum-140	-9.76E-01	5.83E-01	1.70E+00	1.50E+01	6.25E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Lanthanum-140	-1.08E-01	7.79E-01	2.58E+00	1.50E+01	7.80E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Lanthanum-140	-2.21E+00	1.27E+00	3.59E+00	1.50E+01	1.37E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Lanthanum-140	-1.34E+00	6.71E-01	1.98E+00	1.50E+01	7.41E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Lanthanum-140	-1.50E-01	1.12E+00	3.62E+00	1.50E+01	1.12E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Manganese-54	4.89E-02	3.97E-01	1.30E+00	1.50E+01	3.97E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Manganese-54	9.38E-01	6.20E-01	2.18E+00	1.50E+01	6.57E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Manganese-54	-3.11E-02	6.48E-01	2.18E+00	1.50E+01	6.49E-01	pCi/L	U

SW-3(421490005) - Surface Water	25-Apr-17	Manganese-54	1.97E-01	4.49E-01	1.46E+00	1.50E+01	4.52E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Manganese-54	-5.94E-01	5.76E-01	1.86E+00	1.50E+01	5.93E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Manganese-54	5.80E-02	4.76E-01	1.52E+00	1.50E+01	4.76E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Manganese-54	-3.39E-01	4.08E-01	1.25E+00	1.50E+01	4.15E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Manganese-54	-4.40E-01	4.48E-01	1.46E+00	1.50E+01	4.59E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Manganese-54	1.46E+00	9.58E-01	1.69E+00	1.50E+01	9.60E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Manganese-54	6.36E-01	6.58E-01	2.23E+00	1.50E+01	6.75E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Manganese-54	-5.21E-01	5.11E-01	1.66E+00	1.50E+01	5.26E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Manganese-54	3.74E-01	4.48E-01	1.48E+00	1.50E+01	4.56E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Niobium-95	2.28E-01	8.35E-01	1.57E+00	1.50E+01	8.37E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Niobium-95	1.81E-01	7.25E-01	2.40E+00	1.50E+01	7.26E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Niobium-95	1.26E+00	6.79E-01	2.42E+00	1.50E+01	7.38E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Niobium-95	-1.35E+00	7.24E-01	1.55E+00	1.50E+01	7.89E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Niobium-95	-1.00E+00	9.02E-01	2.05E+00	1.50E+01	9.32E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Niobium-95	3.79E-01	4.72E-01	1.57E+00	1.50E+01	4.81E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Niobium-95	3.18E-01	4.66E-01	1.55E+00	1.50E+01	4.72E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Niobium-95	8.19E-02	4.88E-01	1.56E+00	1.50E+01	4.88E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Niobium-95	1.05E+00	5.76E-01	1.84E+00	1.50E+01	6.26E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Niobium-95	1.19E+00	6.63E-01	2.35E+00	1.50E+01	7.19E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Niobium-95	3.65E-01	5.13E-01	1.77E+00	1.50E+01	5.20E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Niobium-95	1.04E-01	4.77E-01	1.55E+00	1.50E+01	4.78E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Potassium-40	1.52E+01	1.15E+01	1.52E+01		1.15E+01	pCi/L	UI
SW-3(417560005) - Surface Water	28-Feb-17	Potassium-40	-1.38E+01	1.50E+01	3.48E+01		1.54E+01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Potassium-40	1.98E+01	1.93E+01	1.98E+01		1.94E+01	pCi/L	UI
SW-3(421490005) - Surface Water	25-Apr-17	Potassium-40	2.58E+01	1.21E+01	1.41E+01		1.21E+01	pCi/L	
SW-3(424437005) - Surface Water	30-May-17	Potassium-40	1.78E+00	1.37E+01	2.09E+01		1.37E+01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Potassium-40	-9.50E+00	1.01E+01	2.50E+01		1.04E+01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Potassium-40	8.48E-02	1.12E+01	1.44E+01		1.12E+01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Potassium-40	2.49E+00	1.11E+01	2.18E+01		1.11E+01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Potassium-40	8.76E+00	1.44E+01	1.80E+01		1.44E+01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Potassium-40	-8.38E+00	1.55E+01	3.75E+01		1.56E+01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Potassium-40	-2.38E+01	1.01E+01	2.59E+01		1.15E+01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Potassium-40	-1.42E+01	8.87E+00	2.06E+01		9.47E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Ruthenium-103	7.18E-02	5.00E-01	1.53E+00		5.00E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Ruthenium-103	2.32E-01	6.49E-01	2.22E+00		6.51E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Ruthenium-103	-5.38E-01	7.39E-01	2.32E+00		7.50E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Ruthenium-103	-9.26E-01	5.49E-01	1.48E+00		5.89E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Ruthenium-103	1.82E-01	6.56E-01	1.93E+00		6.57E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Ruthenium-103	-4.00E-01	5.33E-01	1.72E+00		5.41E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Ruthenium-103	-5.77E-01	4.67E-01	1.49E+00		4.86E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Ruthenium-103	-3.52E-01	5.32E-01	1.68E+00		5.38E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Ruthenium-103	-2.48E-01	5.41E-01	1.76E+00		5.45E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Ruthenium-103	-4.89E-01	6.62E-01	2.16E+00		6.72E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Ruthenium-103	-1.03E+00	5.04E-01	1.55E+00		5.58E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Ruthenium-103	1.73E-01	5.00E-01	1.51E+00		5.01E-01	pCi/L	U

SW-3(415431005) - Surface Water	31-Jan-17	Ruthenium-106	3.06E+00	3.72E+00	1.28E+01		3.79E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Ruthenium-106	-5.59E+00	5.55E+00	1.76E+01		5.70E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Ruthenium-106	-7.31E+00	6.41E+00	2.10E+01		6.63E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Ruthenium-106	4.44E-01	4.12E+00	1.34E+01		4.12E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Ruthenium-106	-2.71E+00	5.37E+00	1.68E+01		5.41E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Ruthenium-106	6.08E+00	5.07E+00	1.56E+01		5.26E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Ruthenium-106	4.72E+00	3.80E+00	1.30E+01		3.95E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Ruthenium-106	-2.20E+00	4.71E+00	1.48E+01		4.74E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Ruthenium-106	-1.35E+00	4.69E+00	1.52E+01		4.70E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Ruthenium-106	4.85E+00	5.63E+00	1.93E+01		5.74E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Ruthenium-106	-8.05E+00	5.42E+00	1.44E+01		5.74E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Ruthenium-106	-2.23E+00	3.90E+00	1.25E+01		3.94E+00	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Selenium-75	-3.09E-01	5.63E-01	1.77E+00		5.68E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Selenium-75	-4.09E-01	8.75E-01	2.52E+00		8.80E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Selenium-75	-1.16E-01	7.92E-01	2.55E+00		7.92E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Selenium-75	-8.24E-02	6.02E-01	2.02E+00		6.02E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Selenium-75	-3.26E-01	6.44E-01	1.93E+00		6.49E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Selenium-75	-1.09E+00	6.80E-01	2.03E+00		7.27E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Selenium-75	4.50E-02	6.24E-01	1.79E+00		6.24E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Selenium-75	5.82E-02	6.27E-01	2.08E+00		6.27E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Selenium-75	-3.19E-01	6.82E-01	2.28E+00		6.86E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Selenium-75	-4.05E-01	8.26E-01	2.58E+00		8.32E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Selenium-75	6.83E-01	6.13E-01	2.14E+00		6.33E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Selenium-75	2.41E-01	6.52E-01	1.89E+00		6.55E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Silver-108m	1.27E+00	6.47E-01	1.27E+00		8.26E-01	pCi/L	UI
SW-3(417560005) - Surface Water	28-Feb-17	Silver-108m	-2.34E-01	5.26E-01	1.76E+00		5.29E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Silver-108m	-4.25E-01	6.13E-01	1.93E+00		6.21E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Silver-108m	1.37E-01	3.97E-01	1.32E+00		3.98E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Silver-108m	-4.86E-01	4.77E-01	1.52E+00		4.90E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Silver-108m	1.64E-02	4.10E-01	1.38E+00		4.10E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Silver-108m	2.81E-01	3.60E-01	1.24E+00		3.66E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Silver-108m	-1.22E-01	4.44E-01	1.43E+00		4.45E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Silver-108m	1.03E-01	4.57E-01	1.53E+00		4.58E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Silver-108m	-3.25E-01	5.55E-01	1.85E+00		5.60E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Silver-108m	1.80E-01	4.64E-01	1.55E+00		4.66E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Silver-108m	-4.10E-01	3.65E-01	1.18E+00		3.77E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Silver-110m	4.07E-01	5.64E-01	1.89E+00		5.72E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Silver-110m	-7.74E-01	8.64E-01	2.63E+00		8.83E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Silver-110m	-1.04E-01	9.35E-01	3.13E+00		9.36E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Silver-110m	5.94E-01	5.94E-01	1.98E+00		6.10E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Silver-110m	3.66E-01	7.40E-01	2.53E+00		7.45E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Silver-110m	-9.30E-02	1.18E+00	2.45E+00		1.18E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Silver-110m	-3.42E-02	5.82E-01	1.85E+00		5.82E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Silver-110m	-3.18E-01	5.83E-01	1.93E+00		5.87E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Silver-110m	6.25E-01	7.34E-01	2.45E+00		7.48E-01	pCi/L	U

SW-3(436755005) - Surface Water	31-Oct-17	Silver-110m	-5.30E-01	9.18E-01	2.84E+00		9.26E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Silver-110m	4.79E-04	7.14E-01	2.39E+00		7.14E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Silver-110m	4.88E-01	5.98E-01	1.97E+00		6.09E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Strontium-89	-1.70E+00	1.88E-01	1.33E+00	1.00E+01	3.93E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Strontium-89	-8.94E-01	4.79E-01	1.76E+00	1.00E+01	5.36E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Strontium-89	-9.64E-02	3.99E-01	1.34E+00	1.00E+01	5.06E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Strontium-89	-5.85E-01	1.11E+00	1.98E+00	1.00E+01	1.37E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Strontium-89	-7.43E-02	5.03E-01	1.67E+00	1.00E+01	5.56E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Strontium-89	1.90E-02	4.66E-01	1.53E+00	1.00E+01	6.05E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Strontium-89	-3.54E-01	3.54E-01	1.28E+00	1.00E+01	5.14E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Strontium-89	-3.54E-01	2.84E-01	1.06E+00	1.00E+01	4.24E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Strontium-89	-6.93E-02	5.07E-01	1.68E+00	1.00E+01	6.79E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Strontium-89	-5.80E-01	5.11E-01	1.85E+00	1.00E+01	7.10E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Strontium-89	-1.17E+00	2.36E-01	1.19E+00	1.00E+01	2.86E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Strontium-89	-5.36E-01	3.00E-01	1.16E+00	1.00E+01	5.53E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Strontium-90	-1.02E+00	2.81E-01	1.81E+00	2.00E+00	4.94E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Strontium-90	-4.14E-02	2.26E-01	1.14E+00	2.00E+00	3.40E-01	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Strontium-90	-8.65E-01	2.81E-01	1.77E+00	2.00E+00	4.90E-01	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Strontium-90	4.66E-01	6.94E-01	1.62E+00	2.00E+00	1.05E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Strontium-90	5.70E-02	2.01E-01	1.25E+00	2.00E+00	3.85E-01	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Strontium-90	9.59E-01	5.02E-01	1.45E+00	2.00E+00	5.15E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Strontium-90	-6.90E-01	2.84E-01	1.66E+00	2.00E+00	4.39E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Strontium-90	-2.94E-02	3.32E-01	1.38E+00	2.00E+00	4.17E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Strontium-90	5.68E-01	3.47E-01	1.69E+00	2.00E+00	5.57E-01	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Strontium-90	-2.64E-01	3.43E-01	1.58E+00	2.00E+00	4.61E-01	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Strontium-90	-3.80E-01	1.22E-01	5.49E-01	2.00E+00	1.58E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Strontium-90	7.49E-01	3.95E-01	1.57E+00	2.00E+00	5.36E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Thorium-228	5.34E-01	1.55E+00	2.87E+00		1.56E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Thorium-228	2.84E+00	2.56E+00	4.81E+00		2.64E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Thorium-228	-7.10E-01	2.00E+00	4.21E+00		2.01E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Thorium-228	2.31E-01	2.04E+00	3.31E+00		2.04E+00	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Thorium-228	4.26E-01	2.00E+00	2.66E+00		2.00E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Thorium-228	-3.06E-01	1.45E+00	3.33E+00		1.45E+00	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Thorium-228	1.29E-01	1.75E+00	3.23E+00		1.75E+00	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Thorium-228	1.38E+00	2.13E+00	3.48E+00		2.16E+00	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Thorium-228	3.13E-01	2.40E+00	3.06E+00		2.40E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Thorium-228	1.57E+00	2.42E+00	3.76E+00		2.42E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Thorium-228	1.24E+00	1.65E+00	3.28E+00		1.68E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Thorium-228	-1.60E+00	1.34E+00	3.18E+00		1.40E+00	pCi/L	U
SW-3(423146005) - Surface Water	28-Mar-17	Tritium	1.34E-01	1.33E-01	4.22E-01	5.00E-01	1.33E-01	pCi/mL	U
SW-3(429795005) - Surface Water	27-Jun-17	Tritium	1.62E-02	1.26E-01	4.14E-01	5.00E-01	1.26E-01	pCi/mL	U
SW-3(436538001) - Surface Water	26-Sep-17	Tritium	4.84E-02	1.18E-01	3.84E-01	5.00E-01	1.18E-01	pCi/mL	U
SW-3(441665004) - Surface Water	27-Dec-17	Tritium	2.42E-01	1.19E-01	3.65E-01	5.00E-01	1.22E-01	pCi/mL	U
SW-3(415431005) - Surface Water	31-Jan-17	Zinc-65	-8.19E-01	1.05E+00	2.78E+00	3.00E+01	1.07E+00	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Zinc-65	1.50E+00	1.18E+00	4.32E+00	3.00E+01	1.23E+00	pCi/L	U

SW-3(419472005) - Surface Water	28-Mar-17	Zinc-65	-4.01E+00	1.45E+00	4.31E+00	3.00E+01	1.72E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Zinc-65	1.85E+00	8.56E-01	2.93E+00	3.00E+01	9.57E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Zinc-65	-1.52E-01	1.23E+00	4.03E+00	3.00E+01	1.23E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Zinc-65	-1.13E+00	9.30E-01	2.89E+00	3.00E+01	9.66E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Zinc-65	-7.84E-01	9.09E-01	2.69E+00	3.00E+01	9.27E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Zinc-65	-4.69E-01	9.35E-01	3.06E+00	3.00E+01	9.41E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Zinc-65	-2.36E+00	1.16E+00	3.26E+00	3.00E+01	1.29E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Zinc-65	3.54E-01	1.34E+00	4.59E+00	3.00E+01	1.34E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Zinc-65	-7.23E-01	1.18E+00	3.76E+00	3.00E+01	1.19E+00	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Zinc-65	1.54E+00	8.69E-01	3.15E+00	3.00E+01	9.41E-01	pCi/L	U
SW-3(415431005) - Surface Water	31-Jan-17	Zirconium-95	5.56E-01	7.91E-01	2.67E+00	1.50E+01	8.01E-01	pCi/L	U
SW-3(417560005) - Surface Water	28-Feb-17	Zirconium-95	-1.25E+00	1.11E+00	3.40E+00	1.50E+01	1.15E+00	pCi/L	U
SW-3(419472005) - Surface Water	28-Mar-17	Zirconium-95	2.14E-02	1.28E+00	4.30E+00	1.50E+01	1.28E+00	pCi/L	U
SW-3(421490005) - Surface Water	25-Apr-17	Zirconium-95	-3.51E-01	8.62E-01	2.71E+00	1.50E+01	8.66E-01	pCi/L	U
SW-3(424437005) - Surface Water	30-May-17	Zirconium-95	2.07E+00	1.00E+00	3.66E+00	1.50E+01	1.11E+00	pCi/L	U
SW-3(426512005) - Surface Water	27-Jun-17	Zirconium-95	2.34E-01	9.30E-01	3.02E+00	1.50E+01	9.31E-01	pCi/L	U
SW-3(428888005) - Surface Water	25-Jul-17	Zirconium-95	-8.34E-01	8.33E-01	2.57E+00	1.50E+01	8.55E-01	pCi/L	U
SW-3(431777005) - Surface Water	29-Aug-17	Zirconium-95	6.22E-01	8.86E-01	2.89E+00	1.50E+01	8.98E-01	pCi/L	U
SW-3(433670001) - Surface Water	26-Sep-17	Zirconium-95	-1.90E+00	9.10E-01	2.65E+00	1.50E+01	1.01E+00	pCi/L	U
SW-3(436755005) - Surface Water	31-Oct-17	Zirconium-95	-5.42E-01	1.09E+00	3.43E+00	1.50E+01	1.10E+00	pCi/L	U
SW-3(438794005) - Surface Water	28-Nov-17	Zirconium-95	-3.03E-01	8.76E-01	2.93E+00	1.50E+01	8.79E-01	pCi/L	U
SW-3(440782004) - Surface Water	27-Dec-17	Zirconium-95	3.74E-01	8.33E-01	2.74E+00	1.50E+01	8.38E-01	pCi/L	U

SW-3QC
Surface Water

Sample Name	Date Collected	Nuclide	Result	1 Sigma Uncert	MDC	LLD	1 Sigma TPU	Units	Qual
SW-3QC(415431006) - Surface Water	31-Jan-17	Actinium-228	-1.83E+00	3.42E+00	6.36E+00		3.45E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Actinium-228	-2.07E+00	3.05E+00	6.72E+00		3.09E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Actinium-228	-3.95E+00	3.38E+00	6.69E+00		3.50E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Actinium-228	7.54E+00	3.99E+00	7.54E+00		4.36E+00	pCi/L	UI
SW-3QC(424437006) - Surface Water	30-May-17	Actinium-228	3.64E-01	5.29E+00	8.23E+00		5.29E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Actinium-228	-2.55E+00	3.40E+00	6.33E+00		3.45E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Actinium-228	1.20E+00	3.62E+00	4.93E+00		3.62E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Actinium-228	-4.67E+00	3.12E+00	6.54E+00		3.30E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Actinium-228	1.66E+00	3.65E+00	7.76E+00		3.67E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Actinium-228	-8.68E+00	3.31E+00	6.24E+00		3.89E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Actinium-228	-2.59E+00	2.82E+00	6.39E+00		2.88E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Actinium-228	-3.67E+00	3.02E+00	6.68E+00		3.14E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Antimony-124	5.40E-01	1.16E+00	3.86E+00		1.16E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Antimony-124	1.06E+00	1.01E+00	3.59E+00		1.04E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Antimony-124	2.30E-01	1.08E+00	3.57E+00		1.08E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Antimony-124	-2.72E-01	9.54E-01	3.07E+00		9.56E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Antimony-124	-1.55E+00	1.14E+00	3.50E+00		1.19E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Antimony-124	1.06E+00	1.21E+00	4.07E+00		1.23E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Antimony-124	4.31E-01	9.22E-01	3.17E+00		9.27E-01	pCi/L	U

SW-3QC(431777006) - Surface Water	29-Aug-17	Antimony-124	-8.72E+00	1.92E+00	3.36E+00		2.79E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Antimony-124	-6.47E-01	1.24E+00	3.90E+00		1.25E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Antimony-124	-1.24E-01	1.09E+00	3.53E+00		1.09E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Antimony-124	2.54E-01	8.12E-01	2.75E+00		8.14E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Antimony-124	7.17E-01	1.25E+00	4.26E+00		1.27E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Antimony-125	6.52E-01	1.16E+00	3.97E+00		1.17E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Antimony-125	1.52E+00	1.28E+00	4.39E+00		1.33E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Antimony-125	-5.69E-01	1.24E+00	4.03E+00		1.25E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Antimony-125	-5.83E-01	1.18E+00	3.89E+00		1.18E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Antimony-125	-5.72E-01	1.36E+00	3.91E+00		1.37E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Antimony-125	1.40E+00	1.20E+00	4.12E+00		1.24E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Antimony-125	-3.43E-01	1.13E+00	3.79E+00		1.13E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Antimony-125	-1.31E+00	1.19E+00	3.83E+00		1.23E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Antimony-125	3.21E+00	1.89E+00	5.16E+00		2.03E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Antimony-125	-5.45E-01	1.26E+00	4.12E+00		1.27E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Antimony-125	6.99E-01	1.22E+00	4.13E+00		1.23E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Antimony-125	2.00E+00	1.70E+00	4.52E+00		1.76E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Barium-140	2.67E+00	2.44E+00	8.41E+00	1.50E+01	2.52E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Barium-140	2.22E+00	2.63E+00	8.88E+00	1.50E+01	2.68E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Barium-140	3.39E+00	2.31E+00	7.92E+00	1.50E+01	2.44E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Barium-140	2.70E+00	2.16E+00	7.47E+00	1.50E+01	2.25E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Barium-140	-3.19E-01	2.61E+00	8.40E+00	1.50E+01	2.62E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Barium-140	-2.02E+00	2.61E+00	8.30E+00	1.50E+01	2.65E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Barium-140	-2.50E+00	2.24E+00	7.22E+00	1.50E+01	2.31E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Barium-140	2.01E+00	1.78E+00	6.02E+00	1.50E+01	1.84E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Barium-140	-1.82E+00	4.78E+00	9.72E+00	1.50E+01	4.80E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Barium-140	1.86E+00	2.35E+00	7.18E+00	1.50E+01	2.39E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Barium-140	-1.93E+00	1.73E+00	5.47E+00	1.50E+01	1.78E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Barium-140	1.09E+00	3.08E+00	1.03E+01	1.50E+01	3.09E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Beryllium-7	1.18E+00	3.75E+00	1.27E+01		3.76E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Beryllium-7	9.80E+00	5.61E+00	1.41E+01		5.63E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Beryllium-7	4.71E+00	4.02E+00	1.37E+01		4.17E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Beryllium-7	-3.26E+00	4.14E+00	1.35E+01		4.20E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Beryllium-7	8.22E-01	3.96E+00	1.30E+01		3.97E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Beryllium-7	-3.21E+00	3.61E+00	1.15E+01		3.68E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Beryllium-7	2.61E+00	3.77E+00	1.29E+01		3.82E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Beryllium-7	-3.61E+00	3.62E+00	1.16E+01		3.72E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Beryllium-7	1.50E+00	5.08E+00	1.70E+01		5.09E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Beryllium-7	-4.68E+00	4.02E+00	1.27E+01		4.16E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Beryllium-7	-2.70E+00	3.31E+00	1.07E+01		3.37E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Beryllium-7	-3.97E+00	4.11E+00	1.32E+01		4.21E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cerium-141	-5.84E+00	1.28E+00	2.42E+00		1.86E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cerium-141	3.34E-01	1.40E+00	3.04E+00		1.40E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cerium-141	1.19E+00	1.65E+00	2.84E+00		1.65E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cerium-141	-1.08E-01	8.90E-01	2.63E+00		8.90E-01	pCi/L	U

SW-3QC(424437006) - Surface Water	30-May-17	Cerium-141	-4.54E+00	1.44E+00	2.96E+00		1.79E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cerium-141	-1.46E+00	9.27E-01	2.88E+00		9.87E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cerium-141	8.54E-01	9.32E-01	2.81E+00		9.53E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cerium-141	-4.07E+00	1.21E+00	2.39E+00		1.54E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cerium-141	-1.63E+00	1.13E+00	3.52E+00		1.20E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Cerium-141	-1.23E+00	9.27E-01	2.82E+00		9.70E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Cerium-141	2.90E-01	1.39E+00	2.44E+00		1.39E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cerium-141	-2.85E+00	1.60E+00	3.09E+00		1.73E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cerium-144	-7.07E+00	2.79E+00	8.69E+00		3.24E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cerium-144	7.69E-01	3.55E+00	1.12E+01		3.55E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cerium-144	-1.90E+00	3.51E+00	1.08E+01		3.53E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cerium-144	1.62E+00	3.07E+00	1.00E+01		3.10E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Cerium-144	-9.27E-01	3.45E+00	1.08E+01		3.45E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cerium-144	3.48E+00	3.04E+00	1.00E+01		3.15E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cerium-144	2.71E+00	3.10E+00	1.01E+01		3.16E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cerium-144	-1.21E+00	3.14E+00	1.00E+01		3.15E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cerium-144	1.60E+00	4.17E+00	1.34E+01		4.19E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Cerium-144	-2.16E+00	3.36E+00	1.04E+01		3.40E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Cerium-144	3.04E+00	3.33E+00	1.08E+01		3.41E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cerium-144	1.23E+00	3.11E+00	1.02E+01		3.12E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cesium-134	2.93E-01	5.22E-01	1.55E+00	1.50E+01	5.26E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cesium-134	-1.03E+00	6.81E-01	1.51E+00	1.50E+01	7.22E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cesium-134	3.23E-01	4.75E-01	1.56E+00	1.50E+01	4.81E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cesium-134	9.10E-01	4.92E-01	1.71E+00	1.50E+01	5.35E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Cesium-134	2.21E-01	5.05E-01	1.73E+00	1.50E+01	5.07E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cesium-134	4.57E-01	4.72E-01	1.56E+00	1.50E+01	4.84E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cesium-134	-3.73E-01	4.17E-01	1.32E+00	1.50E+01	4.26E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cesium-134	2.54E-01	5.51E-01	1.59E+00	1.50E+01	5.54E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cesium-134	1.12E+00	5.96E-01	2.07E+00	1.50E+01	6.51E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Cesium-134	7.29E-01	5.04E-01	1.73E+00	1.50E+01	5.32E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Cesium-134	7.77E-03	5.00E-01	1.44E+00	1.50E+01	5.00E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cesium-134	-8.32E-01	5.50E-01	1.65E+00	1.50E+01	5.84E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cesium-137	2.37E-01	8.95E-01	1.46E+00	1.80E+01	8.95E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cesium-137	1.12E-01	4.63E-01	1.52E+00	1.80E+01	4.64E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cesium-137	-3.60E-01	4.67E-01	1.46E+00	1.80E+01	4.75E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cesium-137	1.52E+00	1.01E+00	1.52E+00	1.80E+01	1.01E+00	pCi/L	UI
SW-3QC(424437006) - Surface Water	30-May-17	Cesium-137	4.93E-01	5.01E-01	1.66E+00	1.80E+01	5.14E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cesium-137	-1.07E+00	4.76E-01	1.39E+00	1.80E+01	5.36E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cesium-137	6.55E-02	4.13E-01	1.37E+00	1.80E+01	4.13E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cesium-137	1.23E-01	4.98E-01	1.62E+00	1.80E+01	4.99E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cesium-137	-8.71E-01	5.67E-01	1.74E+00	1.80E+01	6.03E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Cesium-137	1.85E-01	4.84E-01	1.59E+00	1.80E+01	4.86E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Cesium-137	2.13E-01	4.37E-01	1.45E+00	1.80E+01	4.40E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cesium-137	-2.05E-01	4.64E-01	1.49E+00	1.80E+01	4.67E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Chromium-51	-1.37E+00	4.00E+00	1.37E+01		4.01E+00	pCi/L	U

SW-3QC(417560006) - Surface Water	28-Feb-17	Chromium-51	2.57E+00	4.61E+00	1.57E+01		4.65E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Chromium-51	1.27E+01	4.26E+00	1.52E+01		5.17E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Chromium-51	2.47E+00	4.42E+00	1.39E+01		4.46E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Chromium-51	-5.49E+00	4.73E+00	1.53E+01		4.91E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Chromium-51	9.68E+00	4.52E+00	1.60E+01		5.04E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Chromium-51	1.71E+00	4.20E+00	1.45E+01		4.22E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Chromium-51	-2.35E+00	3.61E+00	1.20E+01		3.65E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Chromium-51	3.68E-01	5.46E+00	1.86E+01		5.46E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Chromium-51	-5.77E+00	4.19E+00	1.36E+01		4.40E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Chromium-51	1.49E+00	3.75E+00	1.28E+01		3.76E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Chromium-51	-9.28E-01	4.79E+00	1.63E+01		4.79E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cobalt-57	9.55E-01	3.68E-01	1.27E+00		4.29E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cobalt-57	-3.91E-02	4.68E-01	1.48E+00		4.69E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cobalt-57	6.50E-01	4.81E-01	1.54E+00		5.04E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cobalt-57	3.19E-01	4.08E-01	1.34E+00		4.15E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Cobalt-57	1.07E+00	6.15E-01	1.43E+00		6.16E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cobalt-57	2.18E-01	3.99E-01	1.30E+00		4.02E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cobalt-57	2.14E-01	3.94E-01	1.28E+00		3.97E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cobalt-57	7.23E-01	4.04E-01	1.35E+00		4.37E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cobalt-57	-2.55E-02	5.49E-01	1.76E+00		5.49E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Cobalt-57	5.66E-01	4.72E-01	1.42E+00		4.91E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Cobalt-57	-6.29E-01	5.84E-01	1.36E+00		6.02E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cobalt-57	-2.45E-01	4.12E-01	1.32E+00		4.16E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cobalt-58	4.50E-01	4.42E-01	1.49E+00	1.50E+01	4.54E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cobalt-58	-4.66E-01	4.36E-01	1.31E+00	1.50E+01	4.50E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cobalt-58	-3.44E-01	4.46E-01	1.37E+00	1.50E+01	4.53E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cobalt-58	-1.38E-01	4.39E-01	1.40E+00	1.50E+01	4.41E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Cobalt-58	-1.05E+00	4.87E-01	1.35E+00	1.50E+01	5.45E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cobalt-58	-3.88E-01	4.15E-01	1.36E+00	1.50E+01	4.25E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cobalt-58	-1.02E+00	4.02E-01	1.18E+00	1.50E+01	4.68E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cobalt-58	9.52E-02	4.12E-01	1.41E+00	1.50E+01	4.12E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cobalt-58	1.77E+00	1.24E+00	1.77E+00	1.50E+01	1.25E+00	pCi/L	UI
SW-3QC(436755006) - Surface Water	31-Oct-17	Cobalt-58	-5.87E-01	4.86E-01	1.46E+00	1.50E+01	5.05E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Cobalt-58	-2.86E-01	4.87E-01	1.35E+00	1.50E+01	4.92E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cobalt-58	2.01E-01	5.08E-01	1.66E+00	1.50E+01	5.10E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Cobalt-60	3.66E-01	4.22E-01	1.47E+00	1.50E+01	4.31E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Cobalt-60	-3.13E-01	8.94E-01	1.95E+00	1.50E+01	8.97E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Cobalt-60	3.44E-01	4.48E-01	1.55E+00	1.50E+01	4.55E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Cobalt-60	9.13E-02	4.52E-01	1.53E+00	1.50E+01	4.52E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Cobalt-60	8.06E-01	4.72E-01	1.69E+00	1.50E+01	5.09E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Cobalt-60	4.85E-01	4.09E-01	1.43E+00	1.50E+01	4.24E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Cobalt-60	-3.79E-01	7.94E-01	1.68E+00	1.50E+01	7.99E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Cobalt-60	-2.81E-01	4.63E-01	1.46E+00	1.50E+01	4.67E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Cobalt-60	-1.03E+00	5.77E-01	1.74E+00	1.50E+01	6.26E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Cobalt-60	-3.47E-01	9.20E-01	1.85E+00	1.50E+01	9.23E-01	pCi/L	U

SW-3QC(438794006) - Surface Water	28-Nov-17	Cobalt-60	-2.39E-01	5.44E-01	1.56E+00	1.50E+01	5.47E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Cobalt-60	-5.22E-01	4.51E-01	1.39E+00	1.50E+01	4.67E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Iodine-131	2.08E-01	8.81E-01	3.03E+00		8.82E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Iodine-131	-3.24E-01	1.03E+00	3.42E+00		1.04E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Iodine-131	-4.89E-01	8.43E-01	2.76E+00		8.51E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Iodine-131	1.01E+00	7.96E-01	2.79E+00		8.30E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Iodine-131	1.97E+00	1.38E+00	3.25E+00		1.38E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Iodine-131	1.76E-01	1.04E+00	3.52E+00		1.04E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Iodine-131	5.37E-01	9.61E-01	3.32E+00		9.69E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Iodine-131	-4.38E-01	5.42E-01	1.78E+00		5.51E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Iodine-131	-6.72E-01	1.13E+00	3.77E+00		1.14E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Iodine-131	-2.97E-01	8.11E-01	2.68E+00		8.14E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Iodine-131	-2.10E-01	5.56E-01	1.86E+00		5.59E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Iodine-131	5.18E-02	1.54E+00	4.72E+00		1.54E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Iron-59	-5.05E-01	9.00E-01	2.97E+00	3.00E+01	9.08E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Iron-59	6.50E-01	9.75E-01	3.39E+00	3.00E+01	9.87E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Iron-59	-4.01E-01	8.56E-01	2.82E+00	3.00E+01	8.62E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Iron-59	-1.98E-01	8.17E-01	2.74E+00	3.00E+01	8.18E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Iron-59	-4.06E-01	1.00E+00	3.25E+00	3.00E+01	1.01E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Iron-59	-4.54E-01	9.16E-01	2.98E+00	3.00E+01	9.23E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Iron-59	6.98E-01	8.76E-01	2.92E+00	3.00E+01	8.92E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Iron-59	2.71E-01	8.83E-01	2.63E+00	3.00E+01	8.85E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Iron-59	-1.04E+00	1.06E+00	3.42E+00	3.00E+01	1.09E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Iron-59	3.50E-01	1.01E+00	3.46E+00	3.00E+01	1.02E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Iron-59	-8.83E-01	9.81E-01	2.75E+00	3.00E+01	1.00E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Iron-59	6.38E-02	9.75E-01	3.31E+00	3.00E+01	9.75E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Lanthanum-140	-1.28E-01	8.43E-01	2.74E+00	1.50E+01	8.44E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Lanthanum-140	8.13E-01	9.53E-01	3.29E+00	1.50E+01	9.71E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Lanthanum-140	-8.73E-01	6.87E-01	2.06E+00	1.50E+01	7.16E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Lanthanum-140	-5.49E-01	7.44E-01	2.35E+00	1.50E+01	7.54E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Lanthanum-140	-1.37E+00	9.52E-01	2.76E+00	1.50E+01	1.01E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Lanthanum-140	9.13E-01	9.17E-01	3.03E+00	1.50E+01	9.41E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Lanthanum-140	-1.24E+00	7.53E-01	2.30E+00	1.50E+01	8.07E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Lanthanum-140	-2.41E-01	6.34E-01	2.00E+00	1.50E+01	6.37E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Lanthanum-140	-6.26E-01	1.10E+00	3.51E+00	1.50E+01	1.11E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Lanthanum-140	5.61E-01	7.70E-01	2.65E+00	1.50E+01	7.81E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Lanthanum-140	-5.78E-02	6.29E-01	1.82E+00	1.50E+01	6.29E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Lanthanum-140	-1.35E+00	1.01E+00	2.97E+00	1.50E+01	1.06E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Manganese-54	4.75E-01	4.44E-01	1.49E+00	1.50E+01	4.58E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Manganese-54	-5.99E-01	4.96E-01	1.49E+00	1.50E+01	5.16E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Manganese-54	-8.21E-01	4.55E-01	1.32E+00	1.50E+01	4.93E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Manganese-54	-2.69E-02	4.25E-01	1.36E+00	1.50E+01	4.25E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Manganese-54	6.65E-03	4.99E-01	1.68E+00	1.50E+01	4.99E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Manganese-54	-1.65E-01	4.44E-01	1.49E+00	1.50E+01	4.45E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Manganese-54	-8.41E-01	5.66E-01	1.24E+00	1.50E+01	5.99E-01	pCi/L	U

SW-3QC(431777006) - Surface Water	29-Aug-17	Manganese-54	-7.18E-02	4.24E-01	1.43E+00	1.50E+01	4.25E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Manganese-54	1.27E+00	5.66E-01	1.98E+00	1.50E+01	6.39E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Manganese-54	-2.07E-01	4.56E-01	1.42E+00	1.50E+01	4.58E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Manganese-54	-4.86E-01	9.16E-01	1.33E+00	1.50E+01	9.23E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Manganese-54	8.33E-01	4.73E-01	1.64E+00	1.50E+01	5.11E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Niobium-95	8.43E-01	4.45E-01	1.55E+00	1.50E+01	4.86E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Niobium-95	-1.08E-01	4.96E-01	1.57E+00	1.50E+01	4.96E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Niobium-95	1.04E+00	4.71E-01	1.65E+00	1.50E+01	5.29E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Niobium-95	1.33E+00	7.05E-01	1.33E+00	1.50E+01	7.06E-01	pCi/L	UI
SW-3QC(424437006) - Surface Water	30-May-17	Niobium-95	5.00E-01	4.99E-01	1.75E+00	1.50E+01	5.13E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Niobium-95	1.38E+00	6.66E-01	1.38E+00	1.50E+01	6.67E-01	pCi/L	UI
SW-3QC(428888006) - Surface Water	25-Jul-17	Niobium-95	-6.91E-01	8.37E-01	1.45E+00	1.50E+01	8.52E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Niobium-95	1.29E-01	4.32E-01	1.39E+00	1.50E+01	4.33E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Niobium-95	-4.12E-01	5.40E-01	1.69E+00	1.50E+01	5.49E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Niobium-95	-1.73E-01	4.66E-01	1.47E+00	1.50E+01	4.68E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Niobium-95	3.43E-01	4.49E-01	1.50E+00	1.50E+01	4.56E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Niobium-95	-5.29E-01	5.32E-01	1.64E+00	1.50E+01	5.46E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Potassium-40	5.26E+00	1.12E+01	1.36E+01		1.12E+01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Potassium-40	-1.51E+01	1.13E+01	2.18E+01		1.19E+01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Potassium-40	-1.30E+01	7.59E+00	2.06E+01		8.17E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Potassium-40	1.08E+01	1.15E+01	1.47E+01		1.15E+01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Potassium-40	-1.81E+01	1.16E+01	2.39E+01		1.24E+01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Potassium-40	7.35E+00	1.23E+01	1.18E+01		1.23E+01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Potassium-40	2.95E+01	1.03E+01	1.33E+01		1.04E+01	pCi/L	
SW-3QC(431777006) - Surface Water	29-Aug-17	Potassium-40	-1.33E+01	8.00E+00	1.99E+01		8.57E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Potassium-40	5.72E+00	1.46E+01	1.70E+01		1.46E+01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Potassium-40	9.72E+00	1.26E+01	1.43E+01		1.26E+01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Potassium-40	5.96E+00	9.90E+00	1.64E+01		9.91E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Potassium-40	-1.37E+01	1.05E+01	2.45E+01		1.10E+01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Ruthenium-103	-3.30E-01	4.70E-01	1.54E+00		4.76E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Ruthenium-103	5.98E-01	5.26E-01	1.80E+00		5.45E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Ruthenium-103	-2.51E-01	5.22E-01	1.49E+00		5.25E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Ruthenium-103	-3.33E-02	4.59E-01	1.53E+00		4.59E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Ruthenium-103	-2.76E-01	5.82E-01	1.65E+00		5.86E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Ruthenium-103	-1.09E+00	7.99E-01	1.64E+00		8.38E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Ruthenium-103	-9.31E-01	4.16E-01	1.31E+00		4.69E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Ruthenium-103	6.60E-01	4.63E-01	1.44E+00		4.88E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Ruthenium-103	-5.86E-01	5.75E-01	1.85E+00		5.91E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Ruthenium-103	-2.64E-01	5.03E-01	1.44E+00		5.06E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Ruthenium-103	8.73E-02	4.65E-01	1.39E+00		4.66E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Ruthenium-103	-1.19E+00	5.48E-01	1.69E+00		6.15E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Ruthenium-106	-2.05E+00	3.82E+00	1.23E+01		3.85E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Ruthenium-106	-1.34E+00	4.26E+00	1.37E+01		4.28E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Ruthenium-106	3.82E+00	4.26E+00	1.42E+01		4.35E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Ruthenium-106	2.09E+00	4.09E+00	1.37E+01		4.11E+00	pCi/L	U

SW-3QC(424437006) - Surface Water	30-May-17	Ruthenium-106	4.11E+00	4.36E+00	1.44E+01		4.46E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Ruthenium-106	5.54E+00	4.11E+00	1.39E+01		4.31E+00	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Ruthenium-106	3.89E+00	3.57E+00	1.23E+01		3.68E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Ruthenium-106	-1.22E+00	4.16E+00	1.33E+01		4.17E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Ruthenium-106	9.20E+00	6.07E+00	1.71E+01		6.08E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Ruthenium-106	2.04E+00	4.18E+00	1.39E+01		4.21E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Ruthenium-106	3.25E+00	3.95E+00	1.33E+01		4.02E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Ruthenium-106	2.35E+00	3.90E+00	1.31E+01		3.94E+00	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Selenium-75	-5.02E-01	5.51E-01	1.69E+00		5.63E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Selenium-75	1.04E+00	7.56E-01	2.22E+00		7.94E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Selenium-75	6.73E-01	6.08E-01	2.09E+00		6.27E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Selenium-75	-9.83E-01	8.80E-01	1.97E+00		9.08E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Selenium-75	-1.24E-01	6.60E-01	2.21E+00		6.61E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Selenium-75	-5.49E-01	5.69E-01	1.91E+00		5.83E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Selenium-75	6.69E-01	6.31E-01	2.02E+00		6.51E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Selenium-75	-4.73E-02	5.70E-01	1.95E+00		5.70E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Selenium-75	3.00E-01	8.48E-01	2.65E+00		8.51E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Selenium-75	3.51E-01	6.13E-01	2.11E+00		6.18E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Selenium-75	4.59E-02	5.61E-01	1.92E+00		5.61E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Selenium-75	5.61E-01	6.79E-01	2.17E+00		6.92E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Silver-108m	-5.00E-01	3.74E-01	1.22E+00		3.92E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Silver-108m	-2.97E-01	4.32E-01	1.40E+00		4.38E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Silver-108m	2.84E-01	4.35E-01	1.46E+00		4.40E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Silver-108m	8.18E-01	5.74E-01	1.40E+00		6.04E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Silver-108m	1.53E+00	8.33E-01	1.53E+00		9.51E-01	pCi/L	UI
SW-3QC(426512006) - Surface Water	27-Jun-17	Silver-108m	8.08E-01	4.03E-01	1.41E+00		4.44E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Silver-108m	3.82E-01	3.66E-01	1.27E+00		3.76E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Silver-108m	-7.49E-01	3.97E-01	1.24E+00		4.33E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Silver-108m	1.20E-01	5.02E-01	1.69E+00		5.03E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Silver-108m	3.30E-02	4.02E-01	1.34E+00		4.02E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Silver-108m	-1.60E-02	3.68E-01	1.23E+00		3.68E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Silver-108m	-5.43E-01	4.09E-01	1.32E+00		4.28E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Silver-110m	5.38E-01	5.48E-01	1.84E+00		5.62E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Silver-110m	1.82E-01	6.28E-01	2.03E+00		6.30E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Silver-110m	-2.86E-01	6.71E-01	2.09E+00		6.74E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Silver-110m	2.40E-03	6.00E-01	1.93E+00		6.00E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Silver-110m	-5.57E-01	6.16E-01	1.99E+00		6.30E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Silver-110m	3.70E-01	5.42E-01	1.88E+00		5.49E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Silver-110m	2.64E-01	5.64E-01	1.87E+00		5.67E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Silver-110m	-1.74E-01	5.58E-01	1.86E+00		5.60E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Silver-110m	-5.76E-01	7.00E-01	2.14E+00		7.13E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Silver-110m	2.29E-01	6.42E-01	1.86E+00		6.44E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Silver-110m	8.37E-01	5.72E-01	1.96E+00		6.05E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Silver-110m	6.29E-01	6.56E-01	2.20E+00		6.72E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Strontium-89	-8.22E-02	4.08E-01	1.37E+00	1.00E+01	5.62E-01	pCi/L	U

SW-3QC(417560006) - Surface Water	28-Feb-17	Strontium-89	-1.15E+00	1.99E-01	1.13E+00	1.00E+01	5.21E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Strontium-89	-1.38E+00	3.28E-01	1.49E+00	1.00E+01	4.58E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Strontium-89	-5.18E-01	7.43E-01	1.42E+00	1.00E+01	1.16E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Strontium-89	-1.68E+00	3.21E-01	1.67E+00	1.00E+01	4.65E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Strontium-89	-1.32E+00	3.17E-01	1.46E+00	1.00E+01	5.63E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Strontium-89	-1.75E+00	2.57E-01	1.52E+00	1.00E+01	4.41E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Strontium-89	-6.41E-02	3.32E-01	1.11E+00	1.00E+01	4.63E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Strontium-89	-4.39E-01	4.97E-01	1.74E+00	1.00E+01	6.53E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Strontium-89	7.28E-01	5.34E-01	1.55E+00	1.00E+01	6.57E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Strontium-89	-6.80E-01	3.45E-01	1.32E+00	1.00E+01	3.74E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Strontium-89	-7.54E-03	3.57E-01	1.18E+00	1.00E+01	5.25E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Strontium-90	3.48E-01	3.11E-01	1.71E+00	2.00E+00	5.47E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Strontium-90	1.19E+00	3.81E-01	1.58E+00	2.00E+00	5.83E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Strontium-90	-6.07E-01	2.82E-01	1.75E+00	2.00E+00	4.92E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Strontium-90	8.05E-01	7.41E-01	1.61E+00	2.00E+00	1.12E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Strontium-90	4.58E-01	2.85E-01	1.72E+00	2.00E+00	5.48E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Strontium-90	-6.68E-01	4.37E-01	1.58E+00	2.00E+00	4.37E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Strontium-90	-7.98E-01	2.50E-01	1.34E+00	2.00E+00	3.24E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Strontium-90	2.96E-01	3.18E-01	1.20E+00	2.00E+00	4.00E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Strontium-90	7.28E-01	3.44E-01	1.57E+00	2.00E+00	5.52E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Strontium-90	-1.03E-01	3.34E-01	1.50E+00	2.00E+00	4.49E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Strontium-90	-4.80E-01	1.31E-01	6.00E-01	2.00E+00	1.70E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Strontium-90	5.54E-01	3.37E-01	1.34E+00	2.00E+00	4.56E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Thorium-228	5.63E-02	1.44E+00	3.23E+00		1.44E+00	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Thorium-228	2.48E+00	1.69E+00	3.57E+00		1.79E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Thorium-228	4.01E-01	1.74E+00	3.23E+00		1.74E+00	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Thorium-228	2.15E+00	1.91E+00	3.41E+00		1.98E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Thorium-228	4.47E-01	1.94E+00	2.80E+00		1.94E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Thorium-228	3.22E+00	2.08E+00	3.22E+00		2.22E+00	pCi/L	UI
SW-3QC(428888006) - Surface Water	25-Jul-17	Thorium-228	-8.64E-01	1.34E+00	3.24E+00		1.35E+00	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Thorium-228	-2.73E+00	1.61E+00	3.30E+00		1.73E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Thorium-228	-2.48E+00	2.21E+00	4.49E+00		2.28E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Thorium-228	1.67E-01	1.87E+00	2.79E+00		1.87E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Thorium-228	1.46E+00	1.67E+00	3.34E+00		1.70E+00	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Thorium-228	3.01E+00	2.02E+00	3.37E+00		2.14E+00	pCi/L	U
SW-3QC(423146006) - Surface Water	28-Mar-17	Tritium	2.24E-01	1.37E-01	4.27E-01	5.00E-01	1.39E-01	pCi/mL	U
SW-3QC(429795006) - Surface Water	27-Jun-17	Tritium	-5.72E-03	1.24E-01	4.08E-01	5.00E-01	1.24E-01	pCi/mL	U
SW-3QC(436538002) - Surface Water	26-Sep-17	Tritium	5.45E-02	8.76E-02	2.84E-01	5.00E-01	8.78E-02	pCi/mL	U
SW-3QC(441665005) - Surface Water	27-Dec-17	Tritium	1.70E-02	1.11E-01	3.64E-01	5.00E-01	1.11E-01	pCi/mL	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Zinc-65	-7.94E-01	8.39E-01	2.71E+00	3.00E+01	8.58E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Zinc-65	5.88E-01	9.77E-01	3.38E+00	3.00E+01	9.87E-01	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Zinc-65	3.96E-01	9.58E-01	2.92E+00	3.00E+01	9.62E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Zinc-65	-1.88E+00	1.06E+00	2.64E+00	3.00E+01	1.14E+00	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Zinc-65	-7.82E-01	1.00E+00	3.18E+00	3.00E+01	1.02E+00	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Zinc-65	2.43E-01	8.82E-01	2.62E+00	3.00E+01	8.84E-01	pCi/L	U

SW-3QC(428888006) - Surface Water	25-Jul-17	Zinc-65	2.53E-01	7.96E-01	2.59E+00	3.00E+01	7.98E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Zinc-65	2.03E+00	1.40E+00	2.27E+00	3.00E+01	1.40E+00	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Zinc-65	-7.11E-01	1.29E+00	3.72E+00	3.00E+01	1.30E+00	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Zinc-65	1.47E+00	9.60E-01	3.46E+00	3.00E+01	1.02E+00	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Zinc-65	1.62E+00	8.88E-01	3.25E+00	3.00E+01	9.65E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Zinc-65	-6.71E-01	9.30E-01	3.02E+00	3.00E+01	9.43E-01	pCi/L	U
SW-3QC(415431006) - Surface Water	31-Jan-17	Zirconium-95	-6.78E-01	8.29E-01	2.60E+00	1.50E+01	8.44E-01	pCi/L	U
SW-3QC(417560006) - Surface Water	28-Feb-17	Zirconium-95	2.24E+00	9.13E-01	3.24E+00	1.50E+01	1.05E+00	pCi/L	U
SW-3QC(419472006) - Surface Water	28-Mar-17	Zirconium-95	2.55E+00	7.67E-01	2.82E+00	1.50E+01	9.68E-01	pCi/L	U
SW-3QC(421490006) - Surface Water	25-Apr-17	Zirconium-95	9.60E-02	7.70E-01	2.51E+00	1.50E+01	7.70E-01	pCi/L	U
SW-3QC(424437006) - Surface Water	30-May-17	Zirconium-95	-6.46E-01	8.58E-01	2.83E+00	1.50E+01	8.71E-01	pCi/L	U
SW-3QC(426512006) - Surface Water	27-Jun-17	Zirconium-95	-3.02E-01	7.53E-01	2.35E+00	1.50E+01	7.56E-01	pCi/L	U
SW-3QC(428888006) - Surface Water	25-Jul-17	Zirconium-95	-4.76E-01	7.31E-01	2.34E+00	1.50E+01	7.39E-01	pCi/L	U
SW-3QC(431777006) - Surface Water	29-Aug-17	Zirconium-95	-7.42E-01	7.63E-01	2.32E+00	1.50E+01	7.82E-01	pCi/L	U
SW-3QC(433670002) - Surface Water	26-Sep-17	Zirconium-95	2.37E-01	9.77E-01	3.19E+00	1.50E+01	9.78E-01	pCi/L	U
SW-3QC(436755006) - Surface Water	31-Oct-17	Zirconium-95	-1.55E+00	9.30E-01	2.35E+00	1.50E+01	9.98E-01	pCi/L	U
SW-3QC(438794006) - Surface Water	28-Nov-17	Zirconium-95	3.89E-01	8.48E-01	2.51E+00	1.50E+01	8.53E-01	pCi/L	U
SW-3QC(440782005) - Surface Water	27-Dec-17	Zirconium-95	-7.89E-01	8.09E-01	2.48E+00	1.50E+01	8.30E-01	pCi/L	U

2017 Environmental Monitoring TLDs: Indicator (site boundary to 8 miles); Control (greater than 9 miles); and Onsite (up to 0.4 miles from plant)

ID	TYPE	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed
T1	Indicator	1	12.29	0.67	20-Jan-17	2	11.33	0.66	21-Apr-17	3	12.41	1.08	21-Jul-17	4	12.51	0.56	13-Oct-17
T2	Indicator	1	12.67	0.56	20-Jan-17	2	12.79	0.73	21-Apr-17	3	12.78	0.86	21-Jul-17	4	12.55	0.70	13-Oct-17
T3	Indicator	1	12.69	0.58	20-Jan-17	2	12.35	0.71	21-Apr-17	3	12.65	0.80	21-Jul-17	4	11.56	0.53	13-Oct-17
T4	Indicator	1	13.22	0.42	20-Jan-17	2	13.20	0.61	21-Apr-17	3	14.28	0.78	21-Jul-17	4	14.01	0.64	13-Oct-17
T5	Indicator	1	14.78	0.68	20-Jan-17	2	14.49	1.01	21-Apr-17	3	14.86	0.72	21-Jul-17	4	14.56	0.87	13-Oct-17
T6	Indicator	1	14.45	0.58	20-Jan-17	2	12.94	0.64	21-Apr-17	3	13.44	1.20	21-Jul-17	4	13.59	0.97	13-Oct-17
T7	Control	1	0.00	0.00	Lost	2	13.53	0.79	21-Apr-17	3	15.37	0.63	21-Jul-17	4	14.96	0.86	13-Oct-17
T8	Indicator	1	15.45	0.41	20-Jan-17	2	14.43	0.86	21-Apr-17	3	15.65	0.77	21-Jul-17	4	15.95	0.58	13-Oct-17
T9	Indicator	1	12.97	0.62	20-Jan-17	2	12.28	0.58	21-Apr-17	3	13.35	0.79	21-Jul-17	4	14.22	0.75	13-Oct-17
T10	Indicator	1	14.15	0.44	20-Jan-17	2	14.55	0.72	21-Apr-17	3	15.73	0.87	21-Jul-17	4	14.96	0.75	13-Oct-17
T11	Indicator	1	12.78	0.33	20-Jan-17	2	11.82	0.65	21-Apr-17	3	12.72	0.56	21-Jul-17	4	13.01	0.55	13-Oct-17
T12	Indicator	1	12.58	0.55	20-Jan-17	2	12.53	0.67	21-Apr-17	3	12.55	0.54	21-Jul-17	4	12.40	0.68	13-Oct-17
T13	Indicator	1	15.01	0.41	20-Jan-17	2	14.20	0.66	21-Apr-17	3	15.23	1.11	21-Jul-17	4	15.74	0.86	13-Oct-17
T14	Indicator	1	14.65	0.81	20-Jan-17	2	15.04	0.67	21-Apr-17	3	14.97	0.68	21-Jul-17	4	15.98	0.76	13-Oct-17
T15	Indicator	1	12.47	0.57	20-Jan-17	2	12.20	0.79	21-Apr-17	3	12.90	0.79	21-Jul-17	4	12.87	0.59	13-Oct-17
T16	Indicator	1	16.93	0.71	20-Jan-17	2	16.04	0.87	21-Apr-17	3	17.24	0.96	21-Jul-17	4	16.82	0.75	13-Oct-17
T17	Indicator	1	12.64	0.66	20-Jan-17	2	12.27	0.88	21-Apr-17	3	11.72	0.59	21-Jul-17	4	12.15	0.48	13-Oct-17
T18	Indicator	1	13.30	0.71	20-Jan-17	2	12.14	0.75	21-Apr-17	3	13.59	0.64	21-Jul-17	4	13.97	0.75	13-Oct-17
T19	Indicator	1	15.19	0.42	20-Jan-17	2	14.66	1.12	21-Apr-17	3	15.18	0.68	21-Jul-17	4	15.61	0.60	13-Oct-17
T20	Indicator	1	14.94	0.55	20-Jan-17	2	14.59	1.08	21-Apr-17	3	16.30	0.68	21-Jul-17	4	15.54	1.21	13-Oct-17
T21	Indicator	1	13.49	0.38	20-Jan-17	2	12.71	0.74	21-Apr-17	3	14.34	0.94	21-Jul-17	4	13.79	0.77	13-Oct-17
T22	Indicator	1	14.53	0.52	20-Jan-17	2	13.43	0.66	21-Apr-17	3	14.67	1.24	21-Jul-17	4	14.94	0.71	13-Oct-17
T23	Indicator	1	13.10	0.37	20-Jan-17	2	12.47	0.95	21-Apr-17	3	13.72	0.73	21-Jul-17	4	14.05	0.55	13-Oct-17
T24	Indicator	1	13.20	0.47	20-Jan-17	2	12.33	0.87	21-Apr-17	3	12.77	0.74	21-Jul-17	4	12.75	0.60	13-Oct-17
T25	Indicator	1	15.29	0.47	20-Jan-17	2	15.72	0.69	21-Apr-17	3	18.08	1.43	21-Jul-17	4	16.55	0.88	13-Oct-17
T26	Indicator	1	16.43	0.87	20-Jan-17	2	16.08	0.74	21-Apr-17	3	17.99	0.74	21-Jul-17	4	16.57	1.06	13-Oct-17
T27	Indicator	1	11.42	0.30	20-Jan-17	2	12.44	0.68	21-Apr-17	3	11.97	1.16	21-Jul-17	4	12.10	0.89	13-Oct-17
T28	Control	1	12.25	0.41	20-Jan-17	2	11.92	0.67	21-Apr-17	3	12.65	0.57	21-Jul-17	4	12.53	0.48	13-Oct-17
T29	Control	1	12.71	0.72	20-Jan-17	2	12.46	0.71	21-Apr-17	3	12.82	0.90	21-Jul-17	4	13.08	0.92	13-Oct-17
T30	Indicator	1	12.60	0.35	20-Jan-17	2	12.12	0.58	21-Apr-17	3	12.64	0.73	21-Jul-17	4	11.97	0.88	13-Oct-17
T31	Control	1	13.98	0.55	20-Jan-17	2	13.99	0.63	21-Apr-17	3	15.13	0.63	21-Jul-17	4	14.64	1.42	13-Oct-17
T32	Control	1	14.60	0.54	20-Jan-17	2	0.00	0.00	Lost	3	15.93	0.68	21-Jul-17	4	14.66	1.10	13-Oct-17
T33	Control	1	12.39	0.42	20-Jan-17	2	13.09	0.83	21-Apr-17	3	13.17	0.55	21-Jul-17	4	12.49	0.92	13-Oct-17
T34	Control	1	12.33	0.31	20-Jan-17	2	12.52	1.12	21-Apr-17	3	12.41	0.86	21-Jul-17	4	12.77	0.50	13-Oct-17
T35	Indicator	1	13.15	0.44	20-Jan-17	2	12.93	0.85	21-Apr-17	3	13.22	0.56	21-Jul-17	4	13.04	0.72	13-Oct-17
T36	Control	1	13.29	0.78	20-Jan-17	2	13.32	0.66	21-Apr-17	3	14.01	1.07	21-Jul-17	4	14.04	0.72	13-Oct-17
T37	Control	1	13.32	0.34	20-Jan-17	2	13.73	0.75	21-Apr-17	3	0.00	0.00	Lost	4	0.00	0.00	Lost
T38	Indicator	1	14.75	0.39	20-Jan-17	2	14.45	0.98	21-Apr-17	3	16.97	1.27	21-Jul-17	4	15.85	0.56	13-Oct-17

ID	TYPE	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed	Q	DOSE (mR/qtr)	+/- 1 S.D.	Date Placed
T39	Onsite	1	14.98	0.99	20-Jan-17	2	16.09	0.83	21-Apr-17	3	17.28	0.67	21-Jul-17	4	18.03	1.58	13-Oct-17
T40	Onsite	1	14.23	1.06	20-Jan-17	2	16.04	0.82	21-Apr-17	3	16.77	1.48	21-Jul-17	4	16.52	1.28	13-Oct-17
T41	Onsite	1	19.28	1.58	20-Jan-17	2	24.15	1.82	21-Apr-17	3	28.16	1.10	21-Jul-17	4	26.18	1.35	13-Oct-17
T42	Onsite	1	19.80	1.26	20-Jan-17	2	23.33	1.09	21-Apr-17	3	22.22	0.84	21-Jul-17	4	25.87	1.23	13-Oct-17
T43	Onsite	1	22.17	1.69	20-Jan-17	2	26.93	1.39	21-Apr-17	3	26.77	0.97	21-Jul-17	4	29.22	2.07	13-Oct-17
T44	Onsite	1	20.38	1.66	20-Jan-17	2	24.16	1.01	21-Apr-17	3	25.40	1.10	21-Jul-17	4	25.21	1.18	13-Oct-17
T45	Onsite	1	16.42	0.85	20-Jan-17	2	18.73	1.27	21-Apr-17	3	20.38	1.40	21-Jul-17	4	20.07	1.35	13-Oct-17
T46	Onsite	1	15.18	0.58	20-Jan-17	2	16.30	1.03	21-Apr-17	3	17.16	0.89	21-Jul-17	4	17.31	0.76	13-Oct-17
T47	Onsite	1	20.07	1.52	20-Jan-17	2	26.14	1.33	21-Apr-17	3	26.58	1.87	21-Jul-17	4	28.52	2.28	13-Oct-17
T48	Onsite	1	16.67	0.77	20-Jan-17	2	20.53	1.47	21-Apr-17	3	20.61	1.17	21-Jul-17	4	20.93	1.33	13-Oct-17
T49	Indicator	1	17.20	0.45	20-Jan-17	2	16.83	1.36	21-Apr-17	3	18.66	0.81	21-Jul-17	4	17.74	1.12	13-Oct-17
T50	Indicator	1	14.63	0.36	20-Jan-17	2	13.99	1.17	21-Apr-17	3	15.55	0.65	21-Jul-17	4	15.38	1.06	13-Oct-17
T51	Onsite	1	10.69	0.37	20-Jan-17	2	10.64	0.61	21-Apr-17	3	11.10	0.78	21-Jul-17	4	10.97	0.67	13-Oct-17
T52	Onsite	1	12.08	0.32	20-Jan-17	2	12.05	0.68	21-Apr-17	3	12.86	1.04	21-Jul-17	4	12.51	0.56	13-Oct-17
T53	Onsite	1	14.73	0.57	20-Jan-17	2	15.39	1.27	21-Apr-17	3	15.59	0.93	21-Jul-17	4	16.21	0.90	13-Oct-17
T54	Onsite	1	12.26	0.33	20-Jan-17	2	12.23	0.82	21-Apr-17	3	12.50	0.88	21-Jul-17	4	12.97	0.70	13-Oct-17
T55	Indicator	1	14.94	0.47	20-Jan-17	2	14.53	0.92	21-Apr-17	3	16.26	1.08	21-Jul-17	4	15.85	0.55	13-Oct-17
T56	Indicator	1	14.04	0.63	20-Jan-17	2	14.10	1.11	21-Apr-17	3	14.87	0.87	21-Jul-17	4	15.13	0.68	13-Oct-17
T57	Indicator	1	16.00	0.58	20-Jan-17	2	15.69	1.04	21-Apr-17	3	16.85	0.77	21-Jul-17	4	16.50	0.61	13-Oct-17
T58	Indicator	1	13.25	0.34	20-Jan-17	2	13.41	0.81	21-Apr-17	3	12.80	0.87	21-Jul-17	4	12.76	0.48	13-Oct-17
T59	Indicator	1	13.12	0.51	20-Jan-17	2	12.84	0.72	21-Apr-17	3	13.55	0.73	21-Jul-17	4	14.00	0.76	13-Oct-17
T60	Indicator	1	15.28	0.54	20-Jan-17	2	14.85	0.92	21-Apr-17	3	15.37	0.96	21-Jul-17	4	15.62	0.64	13-Oct-17
T61	Control	1	14.79	0.52	20-Jan-17	2	15.37	0.68	21-Apr-17	3	15.51	0.97	21-Jul-17	4	15.72	0.87	13-Oct-17
T62	Control	1	15.03	0.90	20-Jan-17	2	14.63	0.70	21-Apr-17	3	15.71	0.64	21-Jul-17	4	14.99	0.71	13-Oct-17
T63	Control	1	13.32	0.55	20-Jan-17	2	12.59	0.76	21-Apr-17	3	13.38	0.57	21-Jul-17	4	13.96	0.67	13-Oct-17
T64	Onsite	1	16.28	0.42	20-Jan-17	2	17.12	1.40	21-Apr-17	3	17.94	1.56	21-Jul-17	4	18.44	1.01	13-Oct-17
T65	Onsite	1	18.35	1.28	20-Jan-17	2	18.56	0.84	21-Apr-17	3	18.29	1.20	21-Jul-17	4	19.85	0.72	13-Oct-17
T66	Onsite	1	25.89	1.75	20-Jan-17	2	33.11	1.47	21-Apr-17	3	33.71	1.19	21-Jul-17	4	36.79	2.31	13-Oct-17
T67	Onsite	1	12.21	0.68	20-Jan-17	2	12.03	0.60	21-Apr-17	3	12.44	0.69	21-Jul-17	4	12.59	0.70	13-Oct-17
T68	Indicator	1	16.81	1.13	20-Jan-17	2	16.35	1.00	21-Apr-17	3	17.63	0.79	21-Jul-17	4	17.97	0.78	13-Oct-17
T69	Indicator	1	15.77	0.56	20-Jan-17	2	15.71	0.86	21-Apr-17	3	17.20	0.67	21-Jul-17	4	16.79	1.05	13-Oct-17
T70	Indicator	1	13.63	0.42	20-Jan-17	2	12.80	0.66	21-Apr-17	3	14.91	0.91	21-Jul-17	4	15.03	0.76	13-Oct-17
T71	Indicator	1	15.70	0.47	20-Jan-17	2	15.81	1.08	21-Apr-17	3	17.27	0.91	21-Jul-17	4	17.71	1.52	13-Oct-17
ISFSI-1	Onsite	1	48.61	3.25	20-Jan-17	2	54.94	2.80	21-Apr-17	3	45.38	1.92	21-Jul-17	4	56.09	1.89	13-Oct-17
ISFSI-2	Onsite	1	20.57	0.82	20-Jan-17	2	22.97	1.46	21-Apr-17	3	20.75	0.78	21-Jul-17	4	22.50	1.20	13-Oct-17
ISFSI-3	Onsite	1	21.15	0.59	20-Jan-17	2	24.08	1.62	21-Apr-17	3	21.50	1.80	21-Jul-17	4	22.72	1.03	13-Oct-17
ISFSI-4	Onsite	1	17.82	0.46	20-Jan-17	2	20.13	1.51	21-Apr-17	3	18.85	1.28	21-Jul-17	4	19.79	1.00	13-Oct-17
ISFSI-5	Onsite	1	28.34	1.31	20-Jan-17	2	31.95	1.27	21-Apr-17	3	31.32	1.60	21-Jul-17	4	32.46	1.40	13-Oct-17
ISFSI-6	Onsite	1	26.25	0.62	20-Jan-17	2	31.57	2.44	21-Apr-17	3	30.70	1.66	21-Jul-17	4	30.45	1.71	13-Oct-17
ISFSI-7	Onsite	1	74.52	2.03	20-Jan-17	2	93.61	4.90	21-Apr-17	3	96.18	4.87	21-Jul-17	4	96.33	3.85	13-Oct-17
ISFSI-8	Onsite	1	36.60	1.00	20-Jan-17	2	45.38	3.47	21-Apr-17	3	41.10	2.09	21-Jul-17	4	44.40	1.67	13-Oct-17

Appendix D

Environmental Program Exceptions

Environmental Program Exceptions

On occasions, samples cannot be collected. This can be due to a variety of events, such as equipment malfunction, loss of electrical power, severe weather, or vandalism. In 2017, missed samples were a result of missing field TLDs. The following sections list all missed samples, changes and corrective actions taken during 2017. These missed samples did not have a significant impact on the execution of the REMP.

Direct Radiation Monitoring

All TLDs are placed in the field in inconspicuous locations to minimize the loss of TLDs due to vandalism. During 2017, 212 offsite TLDs were placed in the field for the REMP program and all but four (4) TLDs were collected and processed.

- During the first quarter collection, T-7, a control TLD, was found missing and was replaced with the next quarter's TLD.
- During the second quarter collection, T-32, a control TLD, was found missing and was replaced with the next quarter's TLD.
- During the third quarter collection, T-37, a control TLD, was found missing and was replaced with the next quarter's TLD.
- During the fourth quarter collection, T-37, an control TLD, was found missing and was replaced with the next quarter's TLD.

Due to the repeated missing status of T-37, in November 2017 the T-37 TLD was relocated to an adjacent pole to try to prevent suspected vandalism.

Atmospheric Monitoring - None

Terrestrial Monitoring - None

Milk Sampling

In November 2016, the designated indicator milk sampling location ceased operation, and samples were no longer available at this location. This location was Reaume Farm, 5.4 miles from the plant. At present there is no substitute milk sampling location available. The remaining milk sampling location is designated control location: Calder Dairy, 9.9 miles from the plant. No additional compensatory vegetation sampling is being conducted, since food product sampling locations are already available.

Garden Sampling - None

Groundwater Sampling - None

Aquatic Monitoring - None

Drinking Water Sampling - None

Surface Water Sampling - None

Sediment Sampling - None

Fish Sampling - None

Program Changes - None

Appendix E

Interlaboratory Comparison Data
GEL Laboratories'
Quality Assurance Programs
and the
Annual Quality Assurance Status Report
Environmental Dosimetry Company

Interlaboratory Comparison Program for 2017

In an interlaboratory comparison program, participant laboratories receive from a commerce source, environmental samples of known activity concentration for analysis. After the samples have been analyzed by the laboratory, the manufacturer of the sample reports the known activity concentration of the samples to the laboratory. The laboratory compares its results to the reported concentrations to determine any significant deviations, investigates such deviations if found, and initiates corrective action if necessary. Participation in this program provides assurance that the contract laboratory is capable of meeting accepted criteria for radioactivity analysis. The following is GEL Laboratories' participation in an interlaboratory comparison program and the Annual Quality Assurance Status Report for the Environmental Dosimetry Company.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

2017 ANNUAL QUALITY ASSURANCE REPORT

FOR THE

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)

2017 ANNUAL QUALITY ASSURANCE REPORT

FOR THE

RADIOLOGICAL ENVIRONMENTAL

MONITORING PROGRAM (REMP)

Approved By _____ March 9, 2018

Robert L. Pullano
Director, Quality Systems

Date

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2017 ANNUAL QUALITY ASSURANCE REPORT FOR THE RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)

1. Introduction

GEL Laboratories, LLC (GEL) is a privately owned environmental laboratory dedicated to providing personalized client services of the highest quality. GEL was established as an analytical testing laboratory in 1981. Now a full service lab, our analytical divisions use state of the art equipment and methods to provide a comprehensive array of organic, inorganic, and radiochemical analyses to meet the needs of our clients.

At GEL, quality is emphasized at every level of personnel throughout the company. Management's ongoing commitment to good professional practice and to the quality of our testing services to our customers is demonstrated by their dedication of personnel and resources to develop, implement, assess, and improve our technical and management operations.

The purpose of GEL's quality assurance program is to establish policies, procedures, and processes to meet or exceed the expectations of our clients. To achieve this, all personnel that support these services to our clients are introduced to the program and policies during their initial orientation, and annually thereafter during company-wide training sessions.

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 the Quality Assurance Plan, GL-QS-B-001. Our Quality Systems include all quality assurance (QA) policies and quality control (QC) procedures necessary to plan, implement, and assess the work we perform. GEL's QA Program establishes a quality management system (QMS) that governs all of the activities of our organization.

This report entails the quality assurance program for the proficiency testing and environmental monitoring aspects of GEL for 2017. GEL's QA Program is designed to monitor the quality of analytical processing associated with environmental, radiobioassay, effluent (10 CFR Part 50), and waste (10 CFR Part 61) sample analysis.

This report covers the category of Radiological Environmental Monitoring Program (REMP) and includes:

- Intra-laboratory QC results analyzed during 2017.
- Inter-laboratory QC results analyzed during 2017 where known values are available.

2. Quality Assurance Programs for Inter-laboratory, Intra-laboratory and Third Party Cross-Check

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

- Proficiency testing 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 data.
- Evaluation of relative percent difference between measurements through SPC data.

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

- US Environmental Protection Agency Discharge Monitoring Report, Quality Assurance Program (DMR-QA). Annual national program sponsored by 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, BOD/COD, oil and grease, ammonia, nitrates, etc.

- Department of Energy Mixed Analyte Performance Evaluation Program (MAPEP). A semiannual program developed by 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 MRAD-Multimedia Radiochemistry Proficiency test program. 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 Proficiency Testing Program for radiological analyses. This program completes the process of replacing the USEPA EMSL-LV Nuclear Radiation Assessment Division program 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 Proficiency Testing 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 includes parameters for both organic and inorganic analytes.

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

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

GEL procures single-blind performance evaluation samples from Eckert & Ziegler Analytics to verify the analysis of sample matrices processed at GEL. Samples are received on a quarterly basis. GEL's Third-Party Cross-Check Program provides environmental matrices encountered in a typical nuclear utility REMP. The Third-Party Cross-Check Program is intended to meet or exceed the inter-laboratory comparison program requirements

discussed in NRC Regulatory Guide 4.15. Once performance evaluation samples have been prepared in accordance with the instructions provided by the PT provider, samples are managed and analyzed in the same manner as environmental samples from GEL's clients.

3. 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 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
- 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 Accreditation Program
- NUPIC, Nuclear Procurement Issues Committee
- South Carolina Department of Health and Environmental Control (SC DHEC)

The annual radiochemistry laboratory internal audit (17-RAD-001) was conducted in May, 2017. One (1) finding, six (6) observations, and five (5) recommendation resulted from this assessment. By July, 2017, the findings were closed and appropriate laboratory staff addressed each observation and recommendation.

4. 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.

5. 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.

At GEL, we also evaluate our analytical performance on a regular basis through statistical process control (SPC) acceptance criteria. Where feasible, this criterion is applied to both measures of precision and accuracy and is specific to sample matrix. We establish environmental process control limits at least annually.

For Radiochemistry analysis, quality control evaluation is based on static limits rather than those that are statistically derived. Our current process control limits are maintained in GEL's AlphaLIMS. We also measure 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 - 25%, for activity levels exceeding the contract required detection limit (CRDL).

6. 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 quality control 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 samples (or performance evaluation samples) are either actual sample 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 in the 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 most radiochemical analyses is 75 - 125%. Specific instructions for out-of-control situations are provided in the applicable analytical SOP.

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

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

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

GEL's laboratory duplicate (DUP or LCSD) is an aliquot of a sample taken from the same container and processed in the same manner under identical laboratory conditions. The aliquot is analyzed independently from the parent sample and the results are compared to measure precision and accuracy.

If a sample duplicate 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 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.

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

7. Summary of Data Results

During 2017, forty-five (45) radioisotopes associated with seven (7) matrix types were analyzed under GEL's Performance Evaluation program in participation with ERA, MAPEP, and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2017. Of the four hundred sixty-two (462) total results, 99.4% (459 of 462) were found to be acceptable within the PT providers three sigma or other statistical criteria. The list below contains the type of matrix evaluated by GEL.

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

Graphs are provided in Figures 1-9 of this report to allow for the evaluation of trends or biases. These graphs include radioisotopes Cobalt-60, Cesium-137, Tritium, Strontium-90, Gross Alpha, Gross Beta, Iodine-131, Americium-241, and Plutonium-238.

8. Summary of Participation in the Eckert & Ziegler Analytics Environmental Cross-Check Program

Eckert & Ziegler Analytics provided samples for ninety-two (92) individual environmental analyses. The accuracy of each result reported to Eckert & Ziegler Analytics, Inc. is measured by the ratio of GEL's result to the known value. All results fell within GEL's acceptance criteria (100% within acceptance).

9. Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 36 and 37 were analyzed by the laboratory. All one hundred twenty-four (124) analyses fell within the PT provider's acceptance criteria (100% within acceptance).

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10. Summary of Participation in the ERA MRaD PT Program

The ERA MRad program provided samples (MRAD-26 and MRAD-27) for one hundred ninety-seven (197) individual environmental analyses. All analyses fell within the PT provider's acceptance criteria (100% within acceptance).

11. Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-108, RAD-109, RAD-110) for forty-nine (49) individual environmental analyses. Of the 49 analyses, 93.9% (46 out of 49) of all results fell within the PT provider's acceptance criteria.

CARR 170227-1085 documents the unacceptable result of Gross Alpha in water (two methods) from Study RAD-108, CARR170828-1125 documents the unacceptable result of Iodine-131 in water from Study RAD-110. All corrective actions are summarized in Table 8.

12. 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 SOP. The other is formal corrective action documented by the Quality Systems Team in accordance with 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 standard operating procedures to ensure that data are reported only if the quality control criteria are met or the quality control measures that did not meet the acceptance criteria are documented. A formal corrective action is implemented according to GL-QS-E-002 for Conducting Corrective/Preventive Action and Identifying Opportunities for Improvement. Recording and documentation is performed following guidelines stated in 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 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 8 provides the status of CARRs for radiological performance testing during 2017. **It has been determined that causes of the failures did not impact any data reported to our clients.**

13. References

1. GEL Quality Assurance Plan, GL-QS-B-001
2. GEL Standard Operating Procedure for the Conduct of Quality Audits, GL-QS-E-001
3. GEL Standard Operating Procedure for Conducting Corrective/Preventive Action and Identifying Opportunities for Improvement, GL-QS-E-002
4. GEL Standard Operating Procedure for AlphaLIMS Documentation of Nonconformance Reporting and Dispositioning and Control of Nonconforming Items, GL-QS-E-004
5. GEL Standard Operating Procedure for Handling Proficiency Evaluation Samples, GL-QS-E-013
6. GEL Standard Operating Procedure for Quality Assurance Measurement Calculations and Processes, GL-QS-E-014
7. 40 CFR Part 136 Guidelines Establishing Test Procedures for the Analysis of Pollutants
8. ISO/IEC 17025-2005, General Requirements for the Competence of Testing and Calibration Laboratories
9. ANSI/ASQC E4-1994, Specifications and Guidelines for Quality Systems for Environmental Data Collection and Environmental Technology Programs, American National Standard
10. 2003 NELAC Standard, National Environmental Laboratory Accreditation Program
11. 2009 TNI Standard, The NELAC Institute, National Environmental Accreditation Program
12. MARLAP, Multi-Agency Radiological Laboratory Analytical Protocols
13. 10 CFR Part 21, Reporting of Defects and Noncompliance
14. 10 CFR Part 50 Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants
15. 10 CFR Part 61, Licensing Requirements for Land Disposal and Radioactive Waste
16. NRC REG Guide 4.15 and NRC REG Guide 4.8

TABLE 1

2017 RADIOLOGICAL PROFICIENCY TESTING RESULTS AND ACCEPTANCE CRITERIA

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Units	Analyte	Reported Value	Assigned Value	Acceptance Limits/Ratio	Performance Evaluation
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Barium-133	86.7	85.6	72.0 - 94.2	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Cesium-134	51.2	52.6	42.4 - 57.9	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Cesium-137	118	112	101 - 126	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Cobalt-60	118	113	102 - 126	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Zinc-65	202	189	170 - 222	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Gross Alpha	71.6	52.3	27.3 - 65.5	Not Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Gross Alpha	69.6	52.3	27.3 - 65.5	Not Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Gross Beta	37.6	41.6	27.7 - 49.0	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-226	12.3	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-226	13.1	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-226	14.2	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-228	6.31	6.2	3.83 - 8.08	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Radium-228	6.36	6.2	3.83 - 8.08	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Uranium (Nat)	12.2	12.6	9.91 - 14.4	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	µg/L	Uranium (Nat) mass	19.7	18.4	14.5 - 21.1	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	µg/L	Uranium (Nat) mass	18.9	18.4	14.5 - 21.1	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Tritium	11300	12500	10900 - 13800	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Tritium	11600	12500	10900 - 13800	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-89	60.2	55.5	44.3 - 63.2	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-89	54.5	55.5	44.3 - 63.2	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-90	35.9	43.1	31.8 - 49.5	Acceptable
ERA	1st/2017	2/27/17	RAD-108	Water	pCi/L	Strontium-90	37.7	43.1	31.8 - 49.5	Acceptable
EZA	1st/2017	07/07/17	E11818	Cartridge	pCi	Iodine-131	9.93E+01	9.46E+01	1.05	Acceptable
EZA	1st/2017	07/07/17	E11819	Milk	pCi/L	Strontium-89	8.86E+01	9.96E+01	0.89	Acceptable
EZA	1st/2017	07/07/17	E11819	Milk	pCi/L	Strontium-90	1.97E+01	2.55E+01	0.77	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Iodine-131	9.57E+01	9.68E+01	0.99	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cerium-141	1.21E+02	1.19E+02	1.02	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Chromium-51	1.76E+02	2.12E+02	0.83	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cesium-134	1.71E+02	1.89E+02	0.9	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cesium-137	2.31E+02	2.27E+02	1.02	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cobalt-58	1.89E+02	1.78E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Manganese-54	2.74E+02	2.49E+02	1.1	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Iron-59	1.35E+02	1.27E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Zinc-65	3.22E+02	2.96E+02	1.09	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cobalt-60	2.85E+02	2.93E+02	0.97	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Iodine-131	9.68E+01	8.79E+01	1.1	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cerium-141	1.24E+02	1.19E+02	1.05	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Chromium-51	2.43E+02	2.11E+02	1.15	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cesium-134	1.84E+02	1.88E+02	0.98	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cesium-137	2.49E+02	2.26E+02	1.1	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cobalt-58	1.88E+02	1.77E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Manganese-54	2.79E+02	2.48E+02	1.13	Acceptable

EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Iron-59	1.46E+02	1.27E+02	1.15	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Zinc-65	3.36E+02	2.95E+02	1.14	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cobalt-60	3.07E+02	2.92E+02	1.05	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Americium-241	65.7	67.0	46.9-87.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cesium-134	1470	1550	1085-2015	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cesium-137	679	611	428-794	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cobalt-57	0.812		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cobalt-60	958	891	624-1158	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Iron-55	804	812	568-1056	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Manganese-54	1080	967	677-1257	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Nickel-63	-46		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Plutonium-238	0.574	0.41	Sens. Eval.	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Plutonium-239/240	51.2	59.8	41.9-77.7	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Potassium-40	624	607	425-789	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Strontium-90	548	624	437-811	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Technetium-99	641	656	459-853	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	U-234/233	56.9	48.1	33.7-62.5	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Uranium-238	53.9	48.8	34.2-63.7	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Zinc-65	-4.0		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Americium-241	0.8070	0.846	0.592-1.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cesium-134	0.037		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cesium-137	12.2	11.1	7.8-14.4	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cobalt-57	29.0	28.5	20.0-37.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cobalt-60	12.8	12.3	8.6-16.0	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Hydrogen-3	245	249	174-324	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Iron-55	2.01	1.7	Sens. Eval.	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Manganese-54	15.7	14.9	10.4-19.4	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Nickel-63	13.6	12.2	8.5-15.9	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Plutonium-238	0.635	0.703	0.492-0.914	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Plutonium-239/240	0.841	0.934	0.654-1.214	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Potassium-40	276	254	178-330	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Radium-226	0.443	0.504	0.353-0.655	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Strontium-90	9.27	10.1	7.1-13.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Technetium-99	5.81	6.25	4.38-8.13	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Uranium-234/233	1.11	1.16	0.81-1.51	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Uranium-238	1.16	1.20	0.84-1.56	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Zinc-65	-0.0504		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-XaW36	Water	Bq/L	Iodine-129	0.01		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-235	0.058	0.0623	0.0436-0.0810	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-238	8.49	8.6	6.0-11.2	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-Total	8.55	8.7	6.1-11.3	Acceptable

MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Americium-241	0.0386	0.0376	0.0263-0.0489	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cesium-134	1.38	1.42	0.99-1.85	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cesium-137	0.781	0.685	0.480-0.891	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cobalt-57	1.77	1.70	1.19-2.21	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cobalt-60	0.863	0.78	0.55-1.01	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Manganese-54	-0.0344		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Plutonium-238	0.0539	0.0598	0.0419-0.0777	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Plutonium-239/240	0.0419	0.046	0.0322-0.0598	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Strontium-90	0.543	0.651	0.456-0.846	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Uranium-234/233	0.105	0.104	0.073-0.135	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Uranium-238	0.106	0.107	0.075-0.139	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Zinc-65	1.34	1.29	0.9-1.68	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Americium-241	0.000411		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cesium-134	6.56	6.95	4.87-9.04	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cesium-137	4.84	4.60	3.22-5.98	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cobalt-57	0.0141		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cobalt-60	9.35	8.75	6.13-11.38	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Manganese-54	3.39	3.28	2.3-4.26	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Plutonium-238	0.0506	0.0598	0.0419-0.0777	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Plutonium-239/240	0.0754	0.089	0.062-0.166	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Strontium-90	1.50	1.75	1.23-2.28	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Uranium-234/233	0.19	0.179	0.125-0.233	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Uranium-238	1.930	0.186	0.130-0.242	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Zinc-65	6.26	5.39	3.77-7.01	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Actinium-228	1240	1240	795 - 1720	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Americium-241	480	448	262 - 582	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Bismuth-212	929	1240	330 - 1820	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Bismuth-214	2790	2750	1660 - 3960	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cesium-134	8660	8860	5790 - 10600	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cesium-137	8300	7500	5750 - 9650	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cobalt-60	4620	4430	3000 - 6100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Lead-212	1300	1240	812 - 1730	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Lead-214	3170	2890	1690 - 4310	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Manganese-54	<38.6	<1000	0.00 - 1000	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Plutonium-238	494	648	390 - 894	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Plutonium-239	442	484	316 - 669	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Potassium-40	11000	10600	7740 - 14200	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Strontium-90	6150	9150	3490 - 14500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Thorium-234	3360	1940	614 - 3650	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	1820	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	2030	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	2410	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1800	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1970	1940	1200 - 2460	Acceptable

ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1450	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	3540	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	3750	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	4090	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total	3860	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5280	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5420	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5900	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	4440	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Zinc-65	7020	6090	4850 - 8090	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Americium-241	1700	1860	1140 - 2470	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cesium-134	1660	1830	1180 - 2380	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cesium-137	2470	2500	1810 - 3480	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cobalt-60	1350	1390	959 - 1940	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Curium-244	629	734	360 - 1140	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Manganese-54	<32.2	<300	0.00 - 300	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Plutonium-238	2880	3250	1940 - 4450	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Plutonium-239	1990	2150	1320 - 2960	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Potassium-40	30900	30900	22300 - 43400	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Strontium-90	701	726	414 - 963	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-234	2720	3090	2030 - 3970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-234	3080	3090	2030 - 3970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-238	2820	3060	2040 - 3890	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-238	3020	3060	2040 - 3890	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	5970	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	5690	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	6238	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	8910	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	8440	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	9030	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Zinc-65	907	853	615 - 1200	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Americium-241	80.6	76.4	47.1 - 103	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cesium-134	1140	1100	700 - 1360	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cesium-137	1490	1390	1040 - 1830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cobalt-60	1120	1030	797 - 1290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Iron-55	242	256	79.4 - 500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Manganese-54	<7.53	<50.0	0.00 - 50.0	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Plutonium-238	54.1	54.3	37.2 - 71.4	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Plutonium-239	58.2	62	44.9 - 81.0	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Strontium-90	52.2	52.4	25.6 - 78.5	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-234	71.1	73.1	45.3 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-234	79	73.1	45.3 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-238	70.7	72.4	46.8 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-238	77.1	72.4	46.8 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	154	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	145	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	159.5	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	230	217	139 - 306	Acceptable

ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	212	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	231	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Zinc-65	1160	984	705 - 1360	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Gross Alpha	112	85.5	28.6 - 133	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Gross Beta	54.9	45.2	28.6 - 65.9	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Americium-241	150	140	94.3 - 188	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cesium-134	2380	2510	1840 - 2880	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cesium-137	1480	1400	1190 - 1680	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cobalt-60	2570	2540	2210 - 2970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Iron-55	923	984	587 - 1340	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Manganese-54	<6.36	<100	0.00 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Plutonium-238	108	128	94.7 - 159	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Plutonium-239	73.3	85.8	66.6 - 108	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Strontium-90	685	714	465 - 944	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	82.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	92	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	87.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	86.7	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	84.1	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	98	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	181	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	173	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	180	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	185	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	270	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	260	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	252	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	276	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Zinc-65	2160	1960	1630 - 2470	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Gross Alpha	125	89.5	31.8 - 139	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Gross Beta	59.6	61	34.9 - 90.4	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Tritium	18900	19400	13000 - 27700	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	79.7	75	39.5 - 92.3	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	72.9	75	39.5 - 92.3	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	72.9	75	39.5 - 92.3	Acceptable
EZA	2nd/2017	08/02/17	E11873	Cartridge	pCi	Iodine-131	8.65E+01	8.46E+01	1.02	Acceptable
EZA	2nd/2017	08/02/17	E11874	Milk	pCi/L	Strontium-89	8.88E+01	9.26E+01	0.96	Acceptable
EZA	2nd/2017	08/02/17	E11874	Milk	pCi/L	Strontium-90	9.50E+00	1.35E+01	0.71	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cerium-141	1.62E+02	1.51E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cobalt-58	1.53E+02	1.55E+02	0.98	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cobalt-60	2.07E+02	1.91E+02	1.08	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Chromium-51	3.65E+02	3.15E+02	1.16	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cesium-134	1.74E+02	1.88E+02	0.92	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cesium-137	1.57E+02	1.50E+02	1.05	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Iron-59	1.28E+02	1.15E+02	1.11	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Iodine-131	9.93E+01	9.36E+01	1.06	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Manganese-54	1.95E+02	1.72E+02	1.14	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Zinc-65	2.18E+02	2.04E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cerium-141	2.09E+02	1.99E+02	1.05	Acceptable

EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cobalt-58	2.11E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cobalt-60	2.57E+02	2.50E+02	1.03	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Chromium-51	4.41E+02	4.13E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cesium-134	2.38E+02	2.47E+02	0.96	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cesium-137	2.20E+02	1.97E+02	1.12	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Iron-59	1.64E+02	1.51E+02	1.09	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Iodine-131	8.69E+01	8.12E+01	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Manganese-54	2.43E+02	2.25E+02	1.08	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Zinc-65	2.95E+02	2.67E+02	1.10	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Barium-133	68.8	66.3	55.2 - 72.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Cesium-134	24.7	24.4	18.7 - 27.2	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Cesium-137	51.7	51.6	46.4 - 59.6	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Cobalt-60	97	88.6	79.7 - 99.8	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Zinc-65	39.7	32.7	27.3 - 41.6	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Gross Alpha	26.3	25.7	13.0 - 34.1	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Gross Alpha	31.9	25.7	13.0 - 34.1	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Gross Beta	54.4	63	43.5 - 69.6	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-226	1.6	1.29	1.07 - 1.95	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-226	1.21	1.29	1.07 - 1.95	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-228	6.49	5.66	3.45 - 7.47	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Radium-228	5.59	5.66	3.45 - 7.47	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Uranium (Nat)	65	66.7	54.3 - 73.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Uranium (Nat)	66.2	66.7	54.3 - 73.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	µg/L	Uranium (Nat) mass	97	98.1	79.8 - 109	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	µg/L	Uranium (Nat) mass	104.7	98.1	79.8 - 109	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Tritium	5120	5060	4340 - 5570	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Tritium	4620	5060	4340 - 5570	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-89	29.9	26.4	18.4 - 32.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-89	28.2	26.4	18.4 - 32.9	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-90	37.8	36	26.4 - 41.5	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-90	34	36	26.4 - 41.5	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Iodine-131	28	25.5	21.2 - 30.1	Acceptable
ERA	3rd / 2017	08/28/17	RAD - 110	Water	pCi/L	Iodine-131	33	25.5	21.2 - 30.1	Not Acceptable
EZA	3rd/2017	11/10/17	E11926	Cartridge	pCi	Iodine-131	6.30E+01	6.48E+01	0.97	Acceptable
EZA	3rd/2017	11/10/17	E11927	Milk	pCi/L	Strontium-89	7.50E+01	8.27E+01	0.91	Acceptable
EZA	3rd/2017	11/10/17	E11927	Milk	pCi/L	Strontium-90	1.01E+01	1.21E+01	0.84	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Iodine-131	7.35E+01	7.10E+01	1.04	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cerium-141	8.31E+01	8.70E+01	0.95	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Chromium-51	2.37E+02	2.17E+02	0.92	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cesium-134	1.85E+02	2.01E+02	0.92	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cesium-137	1.67E+02	1.72E+02	0.97	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cobalt-58	1.21E+02	1.17E+02	1.03	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Manganese-54	1.28E+02	1.23E+02	1.04	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Iron-59	1.56E+02	1.25E+02	1.24	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Zinc-65	1.97E+02	1.84E+02	1.07	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cobalt-60	2.59E+02	2.62E+02	0.99	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Iodine-131	8.08E+01	7.92E+01	1.02	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cerium-141	1.09E+02	9.95E+01	1.1	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Chromium-51	2.47E+02	2.48E+02	1	Acceptable

EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cesium-134	2.06E+02	2.29E+02	0.9	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cesium-137	2.00E+02	1.96E+02	1.02	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cobalt-58	1.41E+02	1.34E+02	1.05	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Manganese-54	1.50E+02	1.40E+02	1.07	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Iron-59	1.58E+02	1.43E+02	1.10	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Zinc-65	2.37E+02	2.10E+02	1.13	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cobalt-60	3.18E+02	2.99E+02	1.06	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Americium-241	63.1	59	41.2-76.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cesium-134	414.00	448	314-582	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cesium-137	772	722	505-939	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cobalt-57	1500	1458	1021-1895	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cobalt-60	0.179	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Iron-55	933	1010	707-1313	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Manganese-54	894.00	825	578-1073	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Nickel-63	1240	1220	854-1586	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Plutonium-238	85.8	92.0	64-120	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Plutonium-239/240	64.9	68.8	48.2-89.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Potassium-40	631	592	414-770	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Strontium-90	240	289	202-376	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Technetium-99	1170	1195	837-1554	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	U-234/233	72	69	48-90	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Uranium-238	209	219	153-285	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Zinc-65	633.0	559	391-727	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Americium-241	0.874	0.892	0.624-1.160	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cesium-134	10.50	11.5	8.1-15.0	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cesium-137	16.800	16.3	11.2-21.2	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cobalt-57	12.1	12.1	8.5-15.7	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cobalt-60	10.800	10.7	7.5-13.9	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Hydrogen-3	250	258	181-335	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Iron-55	20.1	19.4	13.6-25.2	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Manganese-54	15.5	14.9	10.4-19.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Nickel-63	0.764	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Plutonium-238	0.528	0.60	0.422-0.784	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Plutonium-239/240	0.654	0.781	0.547-1.015	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Potassium-40	-1.2	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Radium-226	0.774	0.86	0.601-1.115	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Strontium-90	7.04	8	5.44-10.10	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Technetium-99	6.41	6.73	4.71-8.75	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Uranium-234/233	1.09	1.01	0.71-1.31	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Uranium-238	1.140	1.040	0.73-1.35	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Zinc-65	17.3	15.5	10.9	Acceptable

MAPEP	4th/2017	12/01/17	MAPEP-17-XaW37	Alk. Water	Bq/L	Iodine-129	2.590	2.310	1.62-3.00	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-235	0.0521	0.0507	0.0355-0.0659	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-238	7.8	7.0	4.90-9.10	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-Total	7.84	7.05	4.94-9.17	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Americium-241	0.053300	0	0.0458-0.0796	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cesium-134	1.0300	1.00	0.7-1.30	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cesium-137	0.88	0.82	0.57-1.07	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cobalt-57	0.01	0.00	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cobalt-60	0.75	0.68	0.48-0.88	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Manganese-54	1.48	1.30	0.91-1.69	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Plutonium-238	0.0257	0.0298	0.0209-0.0387	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Plutonium-239/240	0.0408	0.0468	0.0328-0.0608	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Strontium-90	0.608	0.801	0.561-1.041	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Uranium-234/233	0.086	0.084	0.059-0.109	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Uranium-238	0.093	0.087	0.061-0.113	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Zinc-65	1.2500	1.08	0.76-1.40	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Americium-241	0.080	0.077	0.054-0.1	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cesium-134	2.30	2.32	1.62-3.02	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cesium-137	0.0191	0.00	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cobalt-57	2.92	2.80	2.0-3.6	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cobalt-60	2.24	2.07	1.45-2.69	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Manganese-54	2.78	2.62	1.83-3.41	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Plutonium-238	0.0762	0.0830	0.058-0.108	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Plutonium-239/240	0.104	0.108	0.076-0.140	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Strontium-90	0.960	1.23	0.86-1.6	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Uranium-234/233	0.162	0.159	0.111-0.207	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Uranium-238	0.166	0.163	0.114-0.212	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Zinc-65	5.93	5.37	3.76-6.98	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Actinium-228	1200	1240	795 - 1720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Americium-241	1180	1140	667 - 1480	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Bismuth-212	1600	1240	330 - 1820	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Bismuth-214	1460	1890	1140 - 2720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cesium-134	5770	6320	4130 - 7590	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cesium-137	3940	3830	2930 - 4930	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cobalt-60	4110	4130	2790 - 5690	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Lead-212	1270	1240	812 - 1730	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Lead-214	1720	1980	1160 - 2950	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Manganese-54	<29.2	<1000	<1000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Plutonium-238	508	615	370 - 849	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Plutonium-239	578	506	331 - 699	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Potassium-40	10600	10600	7740 - 14200	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Strontium-90	2530	3460	1320 - 5470	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Thorium-234	4160	3690	1170 - 6940	Acceptable

ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	4310	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	3350	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	3400	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	3590	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	4380	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	3260	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7732	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7190	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7780	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	8090	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	12100	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	10800	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	12200	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	9770	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Zinc-65	7380	6660	5300 - 8850	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Americium-241	681	670	410 - 891	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cesium-134	1530	1670	1070 - 2170	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cesium-137	1890	1840	1330 - 2560	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cobalt-60	2320	2180	1500 - 3050	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Curium-244	2380	2790	1370 - 4350	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Manganese-54	<36.1	<300	<300	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Plutonium-238	3340	4180	2490 - 5720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Plutonium-239	950	1060	651 - 1460	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Potassium-40	34900	30900	22300 - 43400	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Strontium-90	2580	2650	1510 - 3510	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-234	985	995	654 - 1280	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-234	1100	995	654 - 1280	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-238	1040	987	659 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-238	821	987	659 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	2320	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	1845	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	2390	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	3200	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	2460	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	3460	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Zinc-65	1670	1400	1010 - 1970	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Americium-241	15.4	14.9	9.18 - 20.2	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cesium-134	1410	1440	916 - 1790	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cesium-137	1010	954	717 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cobalt-60	296	271	210 - 339	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Iron-55	1010	1080	335 - 2110	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Manganese-54	<3.18	<50.0	<50.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Plutonium-238	61.8	63.9	43.8 - 84.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Plutonium-239	40.2	44.4	32.1 - 58.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Strontium-90	115	121	59.1 - 181	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-234	42.8	41.5	25.7 - 62.6	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-234	38.5	41.5	25.7 - 62.6	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-238	41.1	41.2	26.6 - 57.0	Acceptable

ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-238	37.5	41.2	26.6 - 57.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	82	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	86.7	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	83	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	129	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	124	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	113	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Zinc-65	146	123	88.1 - 170	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Gross Alpha	60	50.1	16.8 - 77.8	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Gross Beta	68.3	61.8	39.1 - 90.1	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Americium-241	176	158	106 - 212	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cesium-134	1340	1400	1030 - 1610	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cesium-137	390	378	321 - 453	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cobalt-60	1990	1830	1590 - 2140	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Iron-55	1550	1640	978 - 2230	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Manganese-54	<9.38	<100	<100	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Plutonium-238	136	158	117 - 197	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Plutonium-239	114	134	104 - 169	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Strontium-90	218	222	145 - 293	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	163	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	153	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	157	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-238	169	158	120 - 194	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-238	136	158	120 - 194	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	306	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	310	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	343	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	510	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	463	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	407	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Zinc-65	2090	1750	1460 - 2210	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Gross Alpha	109	113	40.1 - 175	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Gross Beta	127	130	74.4 - 193	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Tritium	21100	22500	15100 - 32100	Acceptable
EZA	4th/2017	02/02/18	E12067	Cartridge	pCi	Iodine-131	4.84E+01	4.81E+01	1.01	Acceptable
EZA	4th/2017	02/02/18	E12068	Milk	pCi/L	Strontium-89	9.54E+01	9.23E+01	1.03	Acceptable
EZA	4th/2017	02/02/18	E12068	Milk	pCi/L	Strontium-90	1.34E+01	1.69E+01	0.79	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cerium-141	1.07E+02	9.83E+01	1.09	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cobalt-58	9.29E+01	8.99E+01	1.03	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cobalt-60	1.95E+02	1.73E+02	1.13	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Chromium-51	2.69E+02	2.42E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cesium-134	1.20E+02	1.25E+02	0.96	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cesium-137	1.63E+02	1.41E+02	1.15	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Iron-59	1.27E+02	1.13E+02	1.12	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Iodine-131	6.59E+01	5.78E+01	1.14	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Manganese-54	1.79E+02	1.61E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Zinc-65	2.34E+02	2.11E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cerium-141	6.60E+01	6.24E+01	1.06	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cobalt-58	5.95E+01	5.70E+01	1.04	Acceptable

EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cobalt-60	1.15E+02	1.10E+02	1.05	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Chromium-51	1.68E+02	1.54E+02	1.09	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cesium-134	7.47E+01	7.92E+01	0.94	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cesium-137	9.31E+01	8.97E+01	1.04	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Iron-59	8.74E+01	7.19E+01	1.22	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Iodine-131	5.36E+01	4.95E+01	1.08	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Manganese-54	1.14E+02	1.02E+02	1.12	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Zinc-65	1.57E+02	1.34E+02	1.17	Acceptable

TABLE 2
2017 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Ratio	Evaluation
EZA	1st/2017	07/07/17	E11818	Cartridge	pCi	Iodine-131	9.93E+01	9.46E+01	1.05	Acceptable
EZA	1st/2017	07/07/17	E11819	Milk	pCi/L	Strontium-89	8.86E+01	9.96E+01	0.89	Acceptable
EZA	1st/2017	07/07/17	E11819	Milk	pCi/L	Strontium-90	1.97E+01	2.55E+01	0.77	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Iodine-131	9.57E+01	9.68E+01	0.99	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cerium-141	1.21E+02	1.19E+02	1.02	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Chromium-51	1.76E+02	2.12E+02	0.83	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cesium-134	1.71E+02	1.89E+02	0.9	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cesium-137	2.31E+02	2.27E+02	1.02	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cobalt-58	1.89E+02	1.78E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Manganese-54	2.74E+02	2.49E+02	1.1	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Iron-59	1.35E+02	1.27E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Zinc-65	3.22E+02	2.96E+02	1.09	Acceptable
EZA	1st/2017	07/07/17	E11820	Milk	pCi/L	Cobalt-60	2.85E+02	2.93E+02	0.97	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Iodine-131	9.68E+01	8.79E+01	1.1	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cerium-141	1.24E+02	1.19E+02	1.05	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Chromium-51	2.43E+02	2.11E+02	1.15	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cesium-134	1.84E+02	1.88E+02	0.98	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cesium-137	2.49E+02	2.26E+02	1.1	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cobalt-58	1.88E+02	1.77E+02	1.06	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Manganese-54	2.79E+02	2.48E+02	1.13	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Iron-59	1.46E+02	1.27E+02	1.15	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Zinc-65	3.36E+02	2.95E+02	1.14	Acceptable
EZA	1st/2017	07/07/17	E11821	Water	pCi/L	Cobalt-60	3.07E+02	2.92E+02	1.05	Acceptable
EZA	2nd/2017	08/02/17	E11873	Cartridge	pCi	Iodine-131	8.65E+01	8.46E+01	1.02	Acceptable
EZA	2nd/2017	08/02/17	E11874	Milk	pCi/L	Strontium-89	8.88E+01	9.26E+01	0.96	Acceptable
EZA	2nd/2017	08/02/17	E11874	Milk	pCi/L	Strontium-90	9.50E+00	1.35E+01	0.71	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cerium-141	1.62E+02	1.51E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cobalt-58	1.53E+02	1.55E+02	0.98	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cobalt-60	2.07E+02	1.91E+02	1.08	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Chromium-51	3.65E+02	3.15E+02	1.16	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cesium-134	1.74E+02	1.88E+02	0.92	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Cesium-137	1.57E+02	1.50E+02	1.05	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Iron-59	1.28E+02	1.15E+02	1.11	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Iodine-131	9.93E+01	9.36E+01	1.06	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Manganese-54	1.95E+02	1.72E+02	1.14	Acceptable
EZA	2nd/2017	08/02/17	E11875	Milk	pCi/L	Zinc-65	2.18E+02	2.04E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cerium-141	2.09E+02	1.99E+02	1.05	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cobalt-58	2.11E+02	2.04E+02	1.04	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cobalt-60	2.57E+02	2.50E+02	1.03	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Chromium-51	4.41E+02	4.13E+02	1.07	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cesium-134	2.38E+02	2.47E+02	0.96	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Cesium-137	2.20E+02	1.97E+02	1.12	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Iron-59	1.64E+02	1.51E+02	1.09	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Iodine-131	8.69E+01	8.12E+01	1.07	Acceptable

EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Manganese-54	2.43E+02	2.25E+02	1.08	Acceptable
EZA	2nd/2017	08/02/17	E11876	Water	pCi/L	Zinc-65	2.95E+02	2.67E+02	1.10	Acceptable
EZA	3rd/2017	11/10/17	E11926	Cartridge	pCi	Iodine-131	6.30E+01	6.48E+01	0.97	Acceptable
EZA	3rd/2017	11/10/17	E11927	Milk	pCi/L	Strontium-89	7.50E+01	8.27E+01	0.91	Acceptable
EZA	3rd/2017	11/10/17	E11927	Milk	pCi/L	Strontium-90	1.01E+01	1.21E+01	0.84	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Iodine-131	7.35E+01	7.10E+01	1.04	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cerium-141	8.31E+01	8.70E+01	0.95	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Chromium-51	2.37E+02	2.17E+02	0.92	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cesium-134	1.85E+02	2.01E+02	0.92	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cesium-137	1.67E+02	1.72E+02	0.97	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cobalt-58	1.21E+02	1.17E+02	1.03	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Manganese-54	1.28E+02	1.23E+02	1.04	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Iron-59	1.56E+02	1.25E+02	1.24	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Zinc-65	1.97E+02	1.84E+02	1.07	Acceptable
EZA	3rd/2017	11/10/17	E11928	Milk	pCi/L	Cobalt-60	2.59E+02	2.62E+02	0.99	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Iodine-131	8.08E+01	7.92E+01	1.02	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cerium-141	1.09E+02	9.95E+01	1.1	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Chromium-51	2.47E+02	2.48E+02	1	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cesium-134	2.06E+02	2.29E+02	0.9	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cesium-137	2.00E+02	1.96E+02	1.02	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cobalt-58	1.41E+02	1.34E+02	1.05	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Manganese-54	1.50E+02	1.40E+02	1.07	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Iron-59	1.58E+02	1.43E+02	1.10	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Zinc-65	2.37E+02	2.10E+02	1.13	Acceptable
EZA	3rd/2017	11/10/17	E11929	Water	pCi/L	Cobalt-60	3.18E+02	2.99E+02	1.06	Acceptable
EZA	4th/2017	02/02/18	E12067	Cartridge	pCi	Iodine-131	4.84E+01	4.81E+01	1.01	Acceptable
EZA	4th/2017	02/02/18	E12068	Milk	pCi/L	Strontium-89	9.54E+01	9.23E+01	1.03	Acceptable
EZA	4th/2017	02/02/18	E12068	Milk	pCi/L	Strontium-90	1.34E+01	1.69E+01	0.79	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cerium-141	1.07E+02	9.83E+01	1.09	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cobalt-58	9.29E+01	8.99E+01	1.03	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cobalt-60	1.95E+02	1.73E+02	1.13	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Chromium-51	2.69E+02	2.42E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cesium-134	1.20E+02	1.25E+02	0.96	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Cesium-137	1.63E+02	1.41E+02	1.15	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Iron-59	1.27E+02	1.13E+02	1.12	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Iodine-131	6.59E+01	5.78E+01	1.14	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Manganese-54	1.79E+02	1.61E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12069	Milk	pCi/L	Zinc-65	2.34E+02	2.11E+02	1.11	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cerium-141	6.60E+01	6.24E+01	1.06	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cobalt-58	5.95E+01	5.70E+01	1.04	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cobalt-60	1.15E+02	1.10E+02	1.05	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Chromium-51	1.68E+02	1.54E+02	1.09	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cesium-134	7.47E+01	7.92E+01	0.94	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Cesium-137	9.31E+01	8.97E+01	1.04	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Iron-59	8.74E+01	7.19E+01	1.22	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Iodine-131	5.36E+01	4.95E+01	1.08	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Manganese-54	1.14E+02	1.02E+02	1.12	Acceptable
EZA	4th/2017	02/02/18	E12070	Water	pCi/L	Zinc-65	1.57E+02	1.34E+02	1.17	Acceptable

TABLE 3

2017 DEPARTMENT OF ENERGY MIXED ANALYTE PERFORMANCE EVALUATION PROGRAM (MAPEP) RESULTS

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range	Evaluation
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Americium-241	65.7	67.0	46.9-87.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cesium-134	1470	1550	1085-2015	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cesium-137	679	611	428-794	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cobalt-57	0.812		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Cobalt-60	958	891	624-1158	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Iron-55	804	812	568-1056	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Manganese-54	1080	967	677-1257	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Nickel-63	-46		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Plutonium-238	0.574	0.41	Sens. Eval.	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Plutonium-239/240	51.2	59.8	41.9-77.7	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Potassium-40	624	607	425-789	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Strontium-90	548	624	437-811	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Technetium-99	641	656	459-853	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	U-234/233	56.9	48.1	33.7-62.5	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Uranium-238	53.9	48.8	34.2-63.7	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaS36	Soil	Bq/Kg	Zinc-65	-4.0		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Americium-241	0.8070	0.846	0.592-1.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cesium-134	0.037		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cesium-137	12.2	11.1	7.8-14.4	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cobalt-57	29.0	28.5	20.0-37.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Cobalt-60	12.8	12.3	8.6-16.0	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Hydrogen-3	245	249	174-324	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Iron-55	2.01	1.7	Sens. Eval.	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Manganese-54	15.7	14.9	10.4-19.4	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Nickel-63	13.6	12.2	8.5-15.9	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Plutonium-238	0.635	0.703	0.492-0.914	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Plutonium-239/240	0.841	0.934	0.654-1.214	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Potassium-40	276	254	178-330	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Radium-226	0.443	0.504	0.353-0.655	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Strontium-90	9.27	10.1	7.1-13.1	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Technetium-99	5.81	6.25	4.38-8.13	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Uranium-234/233	1.11	1.16	0.81-1.51	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Uranium-238	1.16	1.20	0.84-1.56	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-MaW36	Water	Bq/L	Zinc-65	-0.0504		False Pos Test	Acceptable

MAPEP	2nd/2017	06/13/17	MAPEP-17-XaW36	Water	Bq/L	Iodine-129	0.01		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-235	0.058	0.0623	0.0436-0.0810	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-238	8.49	8.6	6.0-11.2	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	ug/sample	Uranium-Total	8.55	8.7	6.1-11.3	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Americium-241	0.0386	0.0376	0.0263-0.0489	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cesium-134	1.38	1.42	0.99-1.85	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cesium-137	0.781	0.685	0.480-0.891	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cobalt-57	1.77	1.70	1.19-2.21	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Cobalt-60	0.863	0.78	0.55-1.01	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Manganese-54	-0.0344		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Plutonium-238	0.0539	0.0598	0.0419-0.0777	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Plutonium-239/240	0.0419	0.046	0.0322-0.0598	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Strontium-90	0.543	0.651	0.456-0.846	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Uranium-234/233	0.105	0.104	0.073-0.135	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Uranium-238	0.106	0.107	0.075-0.139	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdF36	Filter	Bq/sample	Zinc-65	1.34	1.29	0.9-1.68	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Americium-241	0.000411		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cesium-134	6.56	6.95	4.87-9.04	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cesium-137	4.84	4.60	3.22-5.98	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cobalt-57	0.0141		False Pos Test	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Cobalt-60	9.35	8.75	6.13-11.38	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Manganese-54	3.39	3.28	2.3-4.26	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Plutonium-238	0.0506	0.0598	0.0419-0.0777	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Plutonium-239/240	0.0754	0.089	0.062-0.166	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Strontium-90	1.50	1.75	1.23-2.28	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Uranium-234/233	0.19	0.179	0.125-0.233	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Uranium-238	1.930	0.186	0.130-0.242	Acceptable
MAPEP	2nd/2017	06/13/17	MAPEP-17-RdV36	Vegetation	Bq/sample	Zinc-65	6.26	5.39	3.77-7.01	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Americium-241	63.1	59	41.2-76.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cesium-134	414.00	448	314-582	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cesium-137	772	722	505-939	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cobalt-57	1500	1458	1021-1895	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Cobalt-60	0.179	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Iron-55	933	1010	707-1313	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Manganese-54	894.00	825	578-1073	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Nickel-63	1240	1220	854-1586	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Plutonium-238	85.8	92.0	64-120	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Plutonium-239/240	64.9	68.8	48.2-89.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Potassium-40	631	592	414-770	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Strontium-90	240	289	202-376	Acceptable

MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Technetium-99	1170	1195	837-1554	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	U-234/233	72	69	48-90	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Uranium-238	209	219	153-285	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaS37	Soil	Bq/Kg	Zinc-65	633.0	559	391-727	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Americium-241	0.874	0.892	0.624-1.160	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cesium-134	10.50	11.5	8.1-15.0	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cesium-137	16.800	16.3	11.2-21.2	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cobalt-57	12.1	12.1	8.5-15.7	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Cobalt-60	10.800	10.7	7.5-13.9	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Hydrogen-3	250	258	181-335	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Iron-55	20.1	19.4	13.6-25.2	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Manganese-54	15.5	14.9	10.4-19.4	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Nickel-63	0.764	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Plutonium-238	0.528	0.60	0.422-0.784	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Plutonium-239/240	0.654	0.781	0.547-1.015	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Potassium-40	-1.2	0	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Radium-226	0.774	0.86	0.601-1.115	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Strontium-90	7.04	8	5.44-10.10	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Technetium-99	6.41	6.73	4.71-8.75	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Uranium-234/233	1.09	1.01	0.71-1.31	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Uranium-238	1.140	1.040	0.73-1.35	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-MaW37	Water	Bq/L	Zinc-65	17.3	15.5	10.9	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-XaW37	Alk. Water	Bq/L	Iodine-129	2.590	2.310	1.62-3.00	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-235	0.0521	0.0507	0.0355-0.0659	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-238	7.8	7.0	4.90-9.10	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	ug/sample	Uranium-Total	7.84	7.05	4.94-9.17	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Americium-241	0.053300	0	0.0458-0.0796	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cesium-134	1.0300	1.00	0.7-1.30	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cesium-137	0.88	0.82	0.57-1.07	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cobalt-57	0.01	0.00	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Cobalt-60	0.75	0.68	0.48-0.88	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Manganese-54	1.48	1.30	0.91-1.69	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Plutonium-238	0.0257	0.0298	0.0209-0.0387	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Plutonium-239/240	0.0408	0.0468	0.0328-0.0608	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Strontium-90	0.608	0.801	0.561-1.041	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Uranium-234/233	0.086	0.084	0.059-0.109	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Uranium-238	0.093	0.087	0.061-0.113	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdF37	Filter	Bq/sample	Zinc-65	1.2500	1.08	0.76-1.40	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Americium-241	0.080	0.077	0.054-0.1	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cesium-134	2.30	2.32	1.62-3.02	Acceptable

MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cesium-137	0.0191	0.00	False Pos Test	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cobalt-57	2.92	2.80	2.0-3.6	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Cobalt-60	2.24	2.07	1.45-2.69	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Manganese-54	2.78	2.62	1.83-3.41	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Plutonium-238	0.0762	0.0830	0.058-0.108	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Plutonium-239/240	0.104	0.108	0.076-0.140	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Strontium-90	0.960	1.23	0.86-1.6	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Uranium-234/233	0.162	0.159	0.111-0.207	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Uranium-238	0.166	0.163	0.114-0.212	Acceptable
MAPEP	4th/2017	12/01/17	MAPEP-17-RdV37	Vegetation	Bq/sample	Zinc-65	5.93	5.37	3.76-6.98	Acceptable

TABLE 4

2017 ERA PROGRAM PERFORMANCE EVALUATION RESULTS

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range	Evaluation
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Barium-133	86.7	85.6	72.0 - 94.2	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Cesium-134	51.2	52.6	42.4 - 57.9	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Cesium-137	118	112	101 - 126	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Cobalt-60	118	113	102 - 126	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Zinc-65	202	189	170 - 222	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Gross Alpha	71.6	52.3	27.3 - 65.5	Not Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Gross Alpha	69.6	52.3	27.3 - 65.5	Not Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Gross Beta	37.6	41.6	27.7 - 49.0	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Radium-226	12.3	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Radium-226	13.1	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Radium-226	14.2	12.7	9.48 - 14.7	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Radium-228	6.31	6.2	3.83 - 8.08	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Radium-228	6.36	6.2	3.83 - 8.08	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Uranium (Nat)	12.2	12.6	9.91 - 14.4	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	µg/L	Uranium (Nat) mass	19.7	18.4	14.5 - 21.1	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	µg/L	Uranium (Nat) mass	18.9	18.4	14.5 - 21.1	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Tritium	11300	12500	10900 - 13800	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Tritium	11600	12500	10900 - 13800	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Strontium-89	60.2	55.5	44.3 - 63.2	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Strontium-89	54.5	55.5	44.3 - 63.2	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Strontium-90	35.9	43.1	31.8 - 49.5	Acceptable
ERA	1st/2017	2//27/17	RAD-108	Water	pCi/L	Strontium-90	37.7	43.1	31.8 - 49.5	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	79.7	75	39.5 - 92.3	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	72.9	75	39.5 - 92.3	Acceptable
ERA	2nd/2017	05/30/17	RAD-109	Water	pCi/L	Gross Alpha	72.9	75	39.5 - 92.3	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Barium-133	68.8	66.3	55.2 - 72.9	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Cesium-134	24.7	24.4	18.7 - 27.2	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Cesium-137	51.7	51.6	46.4 - 59.6	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Cobalt-60	97	88.6	79.7 - 99.8	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Zinc-65	39.7	32.7	27.3 - 41.6	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Gross Alpha	26.3	25.7	13.0 - 34.1	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Gross Alpha	31.9	25.7	13.0 - 34.1	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Gross Beta	54.4	63	43.5 - 69.6	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Radium-226	1.6	1.29	1.07 - 1.95	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Radium-226	1.21	1.29	1.07 - 1.95	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Radium-228	6.49	5.66	3.45 - 7.47	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Radium-228	5.59	5.66	3.45 - 7.47	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Uranium (Nat)	65	66.7	54.3 - 73.9	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Uranium (Nat)	66.2	66.7	54.3 - 73.9	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	µg/L	Uranium (Nat) mass	97	98.1	79.8 - 109	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	µg/L	Uranium (Nat) mass	104.7	98.1	79.8 - 109	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Tritium	5120	5060	4340 - 5570	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Tritium	4620	5060	4340 - 5570	Acceptable

ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-89	29.9	26.4	18.4 - 32.9	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-89	28.2	26.4	18.4 - 32.9	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-90	37.8	36	26.4 - 41.5	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Strontium-90	34	36	26.4 - 41.5	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Iodine-131	28	25.5	21.2 - 30.1	Acceptable
ERA	3rd/2017	08/28/17	RAD - 110	Water	pCi/L	Iodine-131	33	25.5	21.2 - 30.1	Not Acceptable

TABLE 5

2017 ERA PROGRAM (MRAD) PERFORMANCE EVALUATION RESULTS

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Actinium-228	1240	1240	795 - 1720	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Americium-241	480	448	262 - 582	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Bismuth-212	929	1240	330 - 1820	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Bismuth-214	2790	2750	1660 - 3960	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cesium-134	8660	8860	5790 - 10600	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cesium-137	8300	7500	5750 - 9650	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Cobalt-60	4620	4430	3000 - 6100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Lead-212	1300	1240	812 - 1730	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Lead-214	3170	2890	1690 - 4310	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Manganese-54	<38.6	<1000	0.00 - 1000	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Plutonium-238	494	648	390 - 894	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Plutonium-239	442	484	316 - 669	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Potassium-40	11000	10600	7740 - 14200	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Strontium-90	6150	9150	3490 - 14500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Thorium-234	3360	1940	614 - 3650	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	1820	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	2030	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-234	2410	1950	1190 - 2500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1800	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1970	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-238	1450	1940	1200 - 2460	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	3540	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	3750	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Uranium-Total	4090	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total	3860	3980	2160 - 5250	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5280	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5420	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	5900	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	µg/kg	Uranium-Total (mass)	4440	5800	3200 - 7290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Soil	pCi/kg	Zinc-65	7020	6090	4850 - 8090	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Americium-241	1700	1860	1140 - 2470	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cesium-134	1660	1830	1180 - 2380	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cesium-137	2470	2500	1810 - 3480	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Cobalt-60	1350	1390	959 - 1940	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Curium-244	629	734	360 - 1140	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Manganese-54	<32.2	<300	0.00 - 300	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Plutonium-238	2880	3250	1940 - 4450	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Plutonium-239	1990	2150	1320 - 2960	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Potassium-40	30900	30900	22300 - 43400	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Strontium-90	701	726	414 - 963	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-234	2720	3090	2030 - 3970	Acceptable

ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-234	3080	3090	2030 - 3970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-238	2820	3060	2040 - 3890	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-238	3020	3060	2040 - 3890	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	5970	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	5690	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Uranium-Total	6238	6290	4260 - 7830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	8910	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	8440	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	µg/kg	Uranium-Total (mass)	9030	9250	6200 - 11700	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Vegetation	pCi/kg	Zinc-65	907	853	615 - 1200	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Americium-241	80.6	76.4	47.1 - 103	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cesium-134	1140	1100	700 - 1360	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cesium-137	1490	1390	1040 - 1830	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Cobalt-60	1120	1030	797 - 1290	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Iron-55	242	256	79.4 - 500	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Manganese-54	<7.53	<50.0	0.00 - 50.0	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Plutonium-238	54.1	54.3	37.2 - 71.4	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Plutonium-239	58.2	62	44.9 - 81.0	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Strontium-90	52.2	52.4	25.6 - 78.5	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-234	71.1	73.1	45.3 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-234	79	73.1	45.3 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-238	70.7	72.4	46.8 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-238	77.1	72.4	46.8 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	154	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	145	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Uranium-Total	159.5	149	82.5 - 227	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	230	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	212	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	µg/Filter	Uranium-Total (mass)	231	217	139 - 306	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Zinc-65	1160	984	705 - 1360	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Gross Alpha	112	85.5	28.6 - 133	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Filter	pCi/Filter	Gross Beta	54.9	45.2	28.6 - 65.9	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Americium-241	150	140	94.3 - 188	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cesium-134	2380	2510	1840 - 2880	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cesium-137	1480	1400	1190 - 1680	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Cobalt-60	2570	2540	2210 - 2970	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Iron-55	923	984	587 - 1340	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Manganese-54	<6.36	<100	0.00 - 100	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Plutonium-238	108	128	94.7 - 159	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Plutonium-239	73.3	85.8	66.6 - 108	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Strontium-90	685	714	465 - 944	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	82.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	92	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-234	87.1	90.3	67.8 - 116	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	86.7	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	84.1	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-238	98	89.5	68.2 - 110	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	181	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	173	184	135 - 238	Acceptable

ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	180	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Uranium-Total	185	184	135 - 238	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	270	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	260	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	252	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	µg/L	Uranium-Total (mass)	276	268	214 - 324	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Zinc-65	2160	1960	1630 - 2470	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Gross Alpha	125	89.5	31.8 - 139	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Gross Beta	59.6	61	34.9 - 90.4	Acceptable
ERA	2nd/2017	05/23/17	MRAD-26	Water	pCi/L	Tritium	18900	19400	13000 - 27700	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Actinium-228	1200	1240	795 - 1720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Americium-241	1180	1140	667 - 1480	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Bismuth-212	1600	1240	330 - 1820	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Bismuth-214	1460	1890	1140 - 2720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cesium-134	5770	6320	4130 - 7590	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cesium-137	3940	3830	2930 - 4930	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Cobalt-60	4110	4130	2790 - 5690	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Lead-212	1270	1240	812 - 1730	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Lead-214	1720	1980	1160 - 2950	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Manganese-54	<29.2	<1000	<1000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Plutonium-238	508	615	370 - 849	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Plutonium-239	578	506	331 - 699	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Potassium-40	10600	10600	7740 - 14200	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Strontium-90	2530	3460	1320 - 5470	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Thorium-234	4160	3690	1170 - 6940	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	4310	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	3350	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-234	3400	3720	2270 - 4770	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	3590	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	4380	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-238	3260	3690	2280 - 4680	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7732	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7190	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	7780	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Uranium-Total	8090	7580	4110 - 10000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	12100	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	10800	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	12200	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	µg/kg	Uranium-Total (mass)	9770	11100	6120 - 14000	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Soil	pCi/kg	Zinc-65	7380	6660	5300 - 8850	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Americium-241	681	670	410 - 891	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cesium-134	1530	1670	1070 - 2170	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cesium-137	1890	1840	1330 - 2560	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Cobalt-60	2320	2180	1500 - 3050	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Curium-244	2380	2790	1370 - 4350	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Manganese-54	<36.1	<300	<300	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Plutonium-238	3340	4180	2490 - 5720	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Plutonium-239	950	1060	651 - 1460	Acceptable

ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Potassium-40	34900	30900	22300 - 43400	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Strontium-90	2580	2650	1510 - 3510	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-234	985	995	654 - 1280	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-234	1100	995	654 - 1280	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-238	1040	987	659 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-238	821	987	659 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	2320	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	1845	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Uranium-Total	2390	2030	1380 - 2530	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	3200	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	2460	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	µg/kg	Uranium-Total (mass)	3460	2980	2000 - 3780	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Vegetation	pCi/kg	Zinc-65	1670	1400	1010 - 1970	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Americium-241	15.4	14.9	9.18 - 20.2	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cesium-134	1410	1440	916 - 1790	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cesium-137	1010	954	717 - 1250	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Cobalt-60	296	271	210 - 339	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Iron-55	1010	1080	335 - 2110	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Manganese-54	<3.18	<50.0	<50.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Plutonium-238	61.8	63.9	43.8 - 84.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Plutonium-239	40.2	44.4	32.1 - 58.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Strontium-90	115	121	59.1 - 181	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-234	42.8	41.5	25.7 - 62.6	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-234	38.5	41.5	25.7 - 62.6	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-238	41.1	41.2	26.6 - 57.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-238	37.5	41.2	26.6 - 57.0	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	82	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	86.7	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Uranium-Total	83	84.6	46.8 - 129	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	129	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	124	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	µg/Filter	Uranium-Total (mass)	113	123	78.7 - 173	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Zinc-65	146	123	88.1 - 170	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Gross Alpha	60	50.1	16.8 - 77.8	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Filter	pCi/Filter	Gross Beta	68.3	61.8	39.1 - 90.1	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Americium-241	176	158	106 - 212	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cesium-134	1340	1400	1030 - 1610	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cesium-137	390	378	321 - 453	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Cobalt-60	1990	1830	1590 - 2140	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Iron-55	1550	1640	978 - 2230	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Manganese-54	<9.38	<100	<100	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Plutonium-238	136	158	117 - 197	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Plutonium-239	114	134	104 - 169	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Strontium-90	218	222	145 - 293	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	163	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	153	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-234	157	160	120 - 206	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-238	169	158	120 - 194	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-238	136	158	120 - 194	Acceptable

ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	306	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	310	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Uranium-Total	343	325	239 - 420	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	510	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	463	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	µg/L	Uranium-Total (mass)	407	474	378 - 573	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Zinc-65	2090	1750	1460 - 2210	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Gross Alpha	109	113	40.1 - 175	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Gross Beta	127	130	74.4 - 193	Acceptable
ERA	4th/2017	11/17/17	MRAD-27	Water	pCi/L	Tritium	21100	22500	15100 - 32100	Acceptable

FIGURE 1

COBALT-60 PERFORMANCE EVALUATION RESULTS AND % BIAS

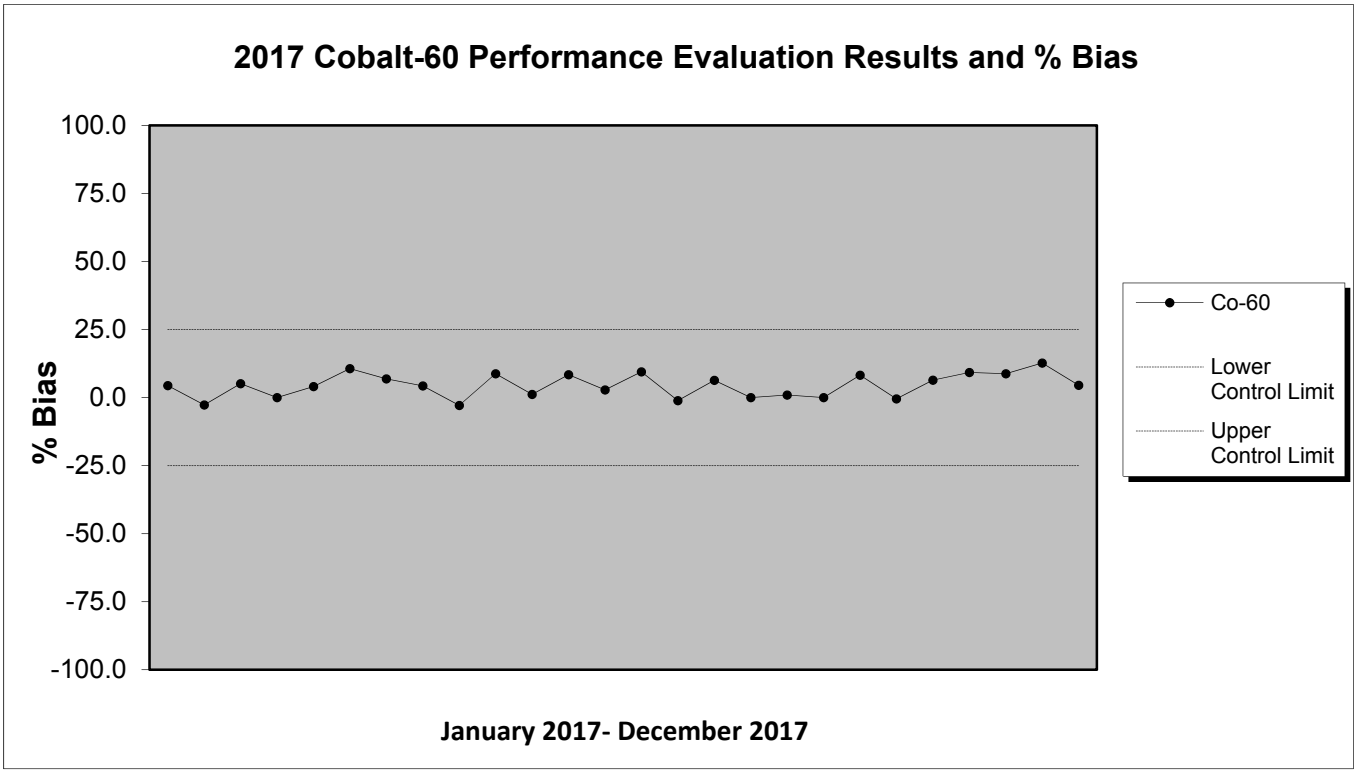

FIGURE 2

CESIUM-137 PERFORMANCE EVALUATION RESULTS AND % BIAS

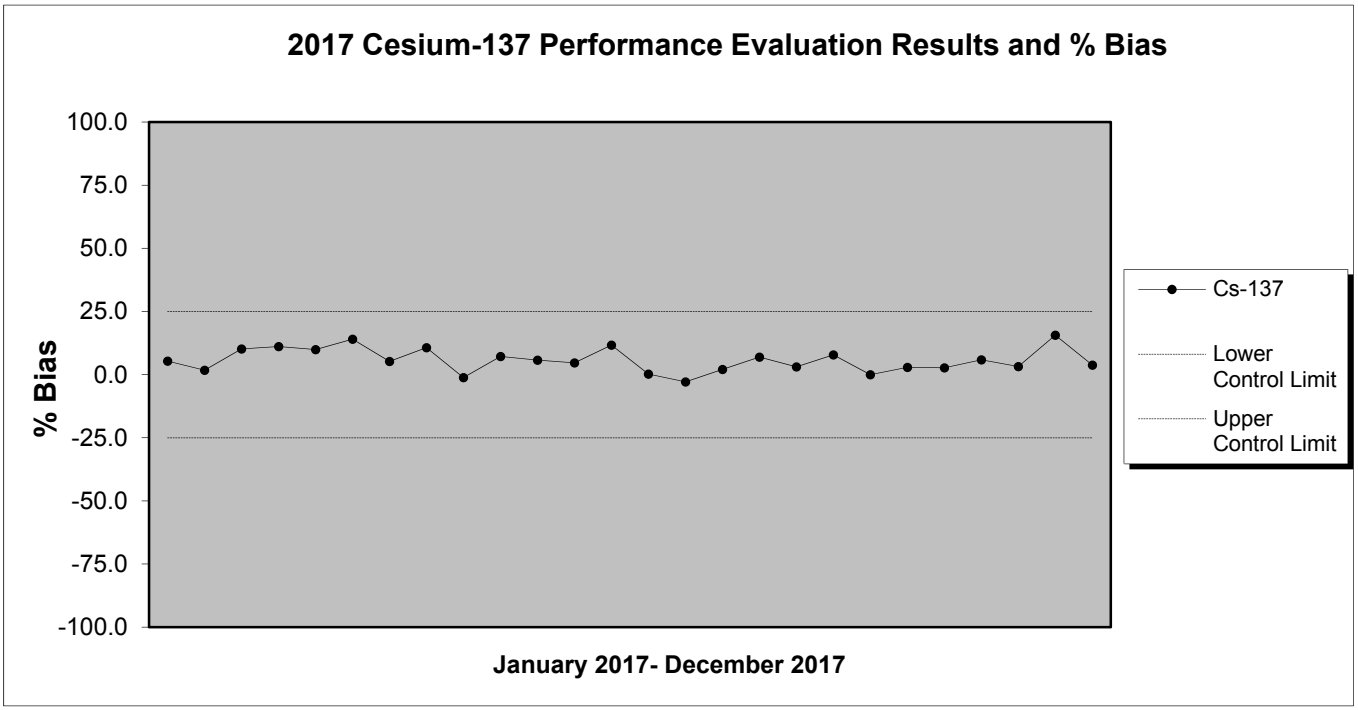

FIGURE 3

TRITIUM PERFORMANCE EVALUATION RESULTS AND % BIAS

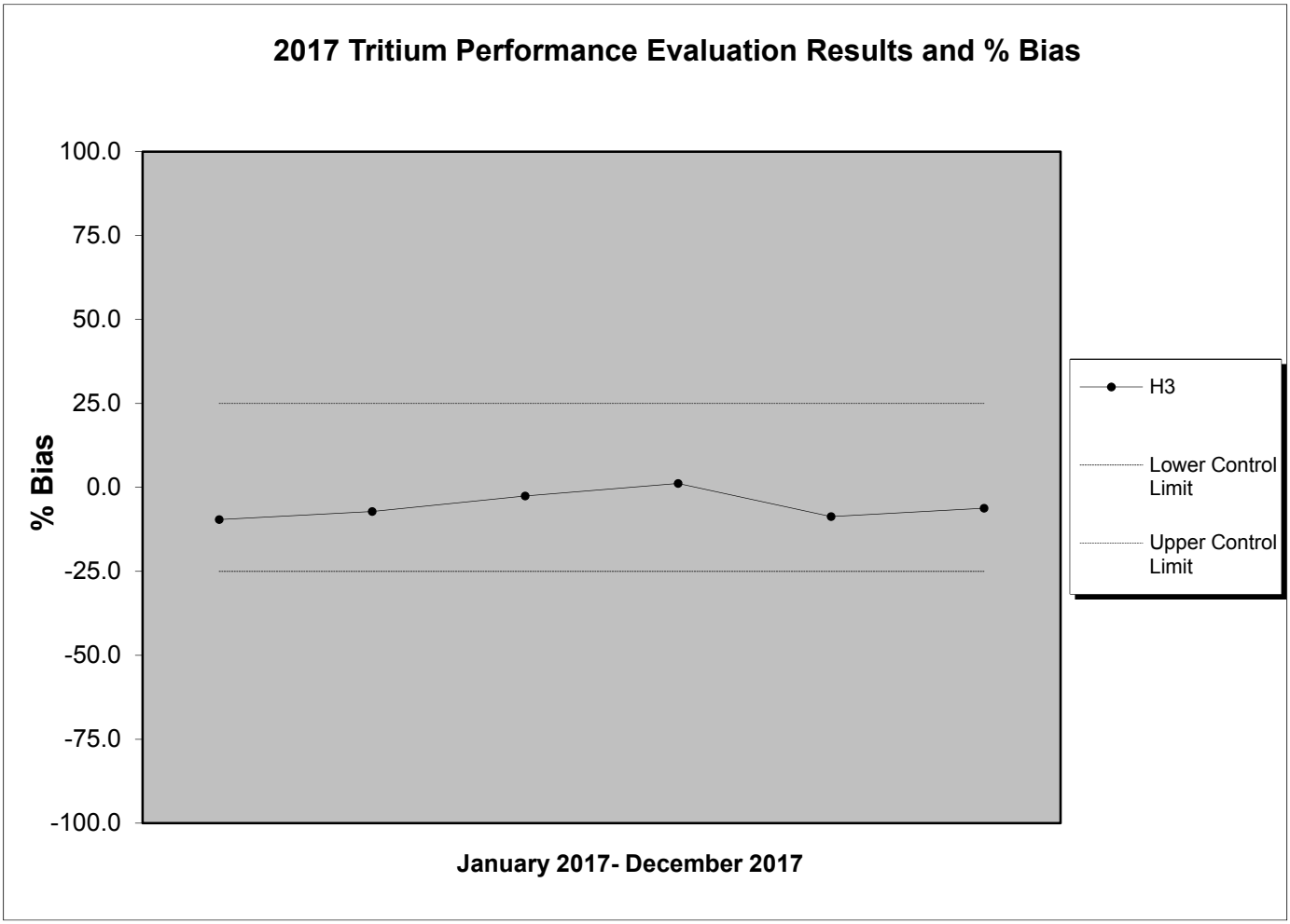

FIGURE 4

STRONTIUM-90 PERFORMANCE EVALUATION RESULTS AND % BIAS

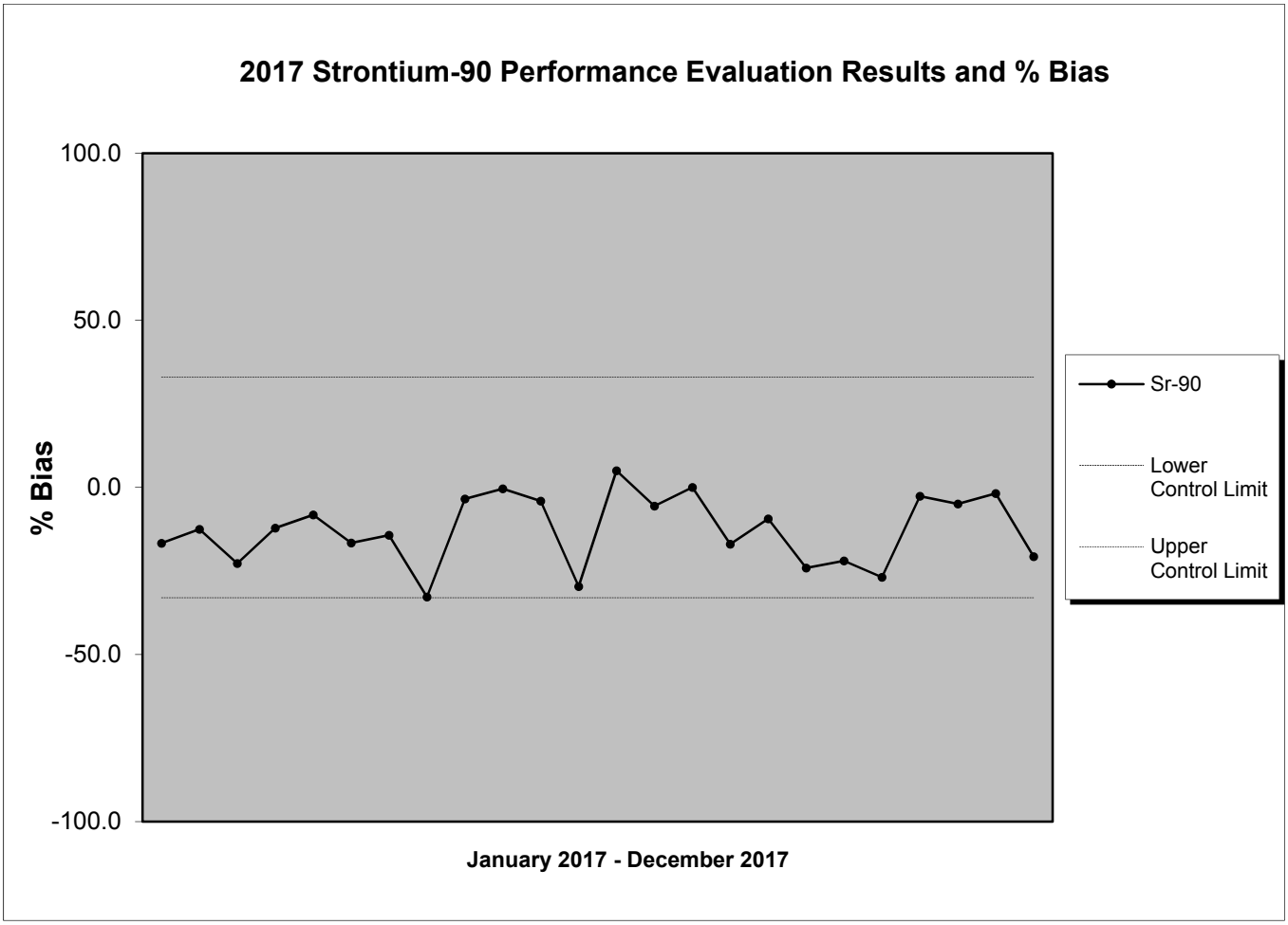

FIGURE 5

GROSS ALPHA PERFORMANCE EVALUATION RESULTS AND % BIAS

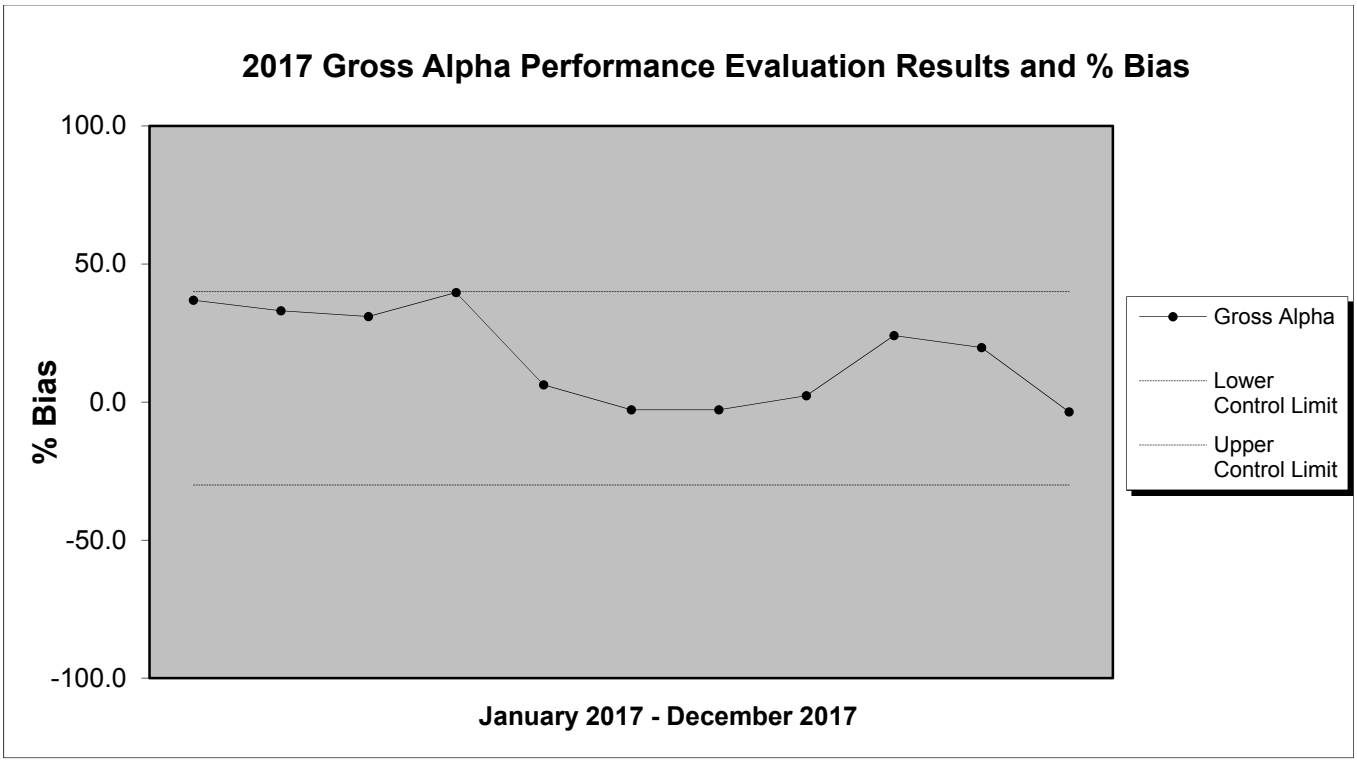

FIGURE 6

GROSS BETA PERFORMANCE EVALUATION RESULTS AND % BIAS

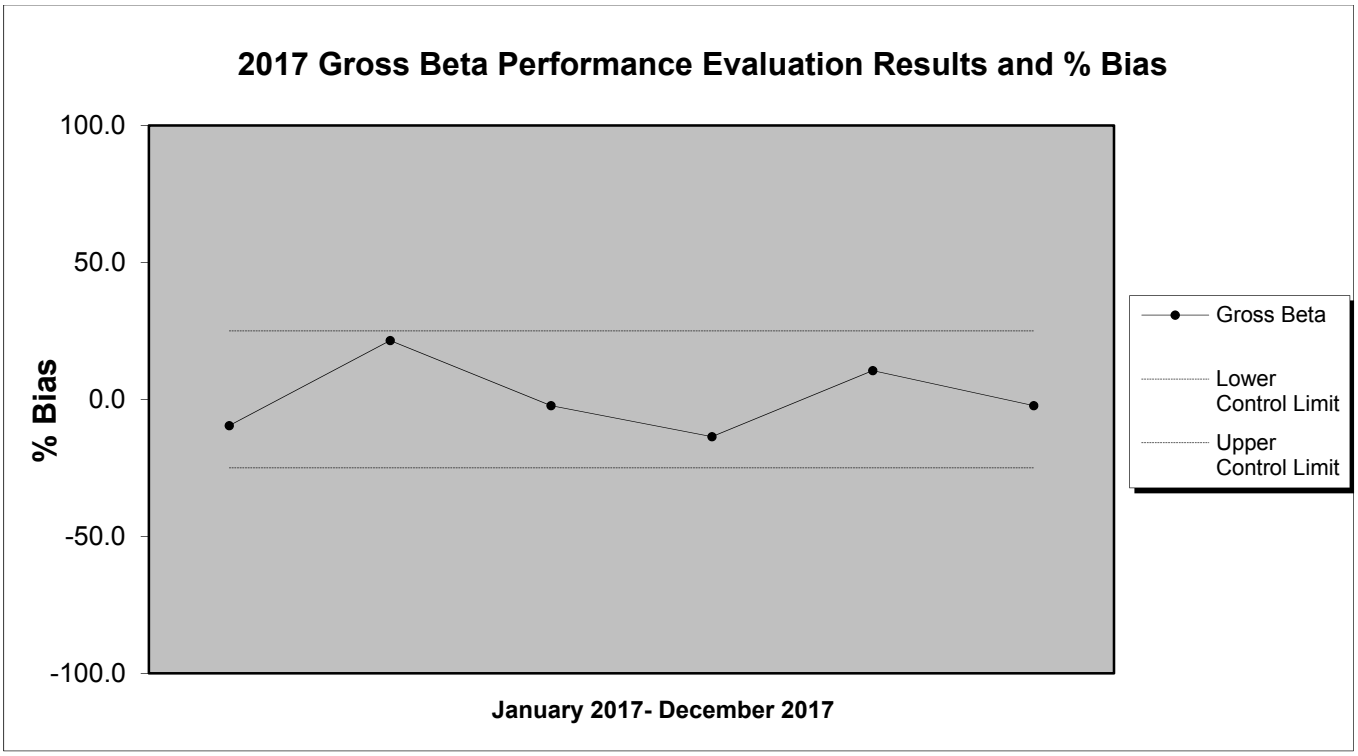

FIGURE 7

IODINE-131 PERFORMANCE EVALUATION RESULTS AND % BIAS

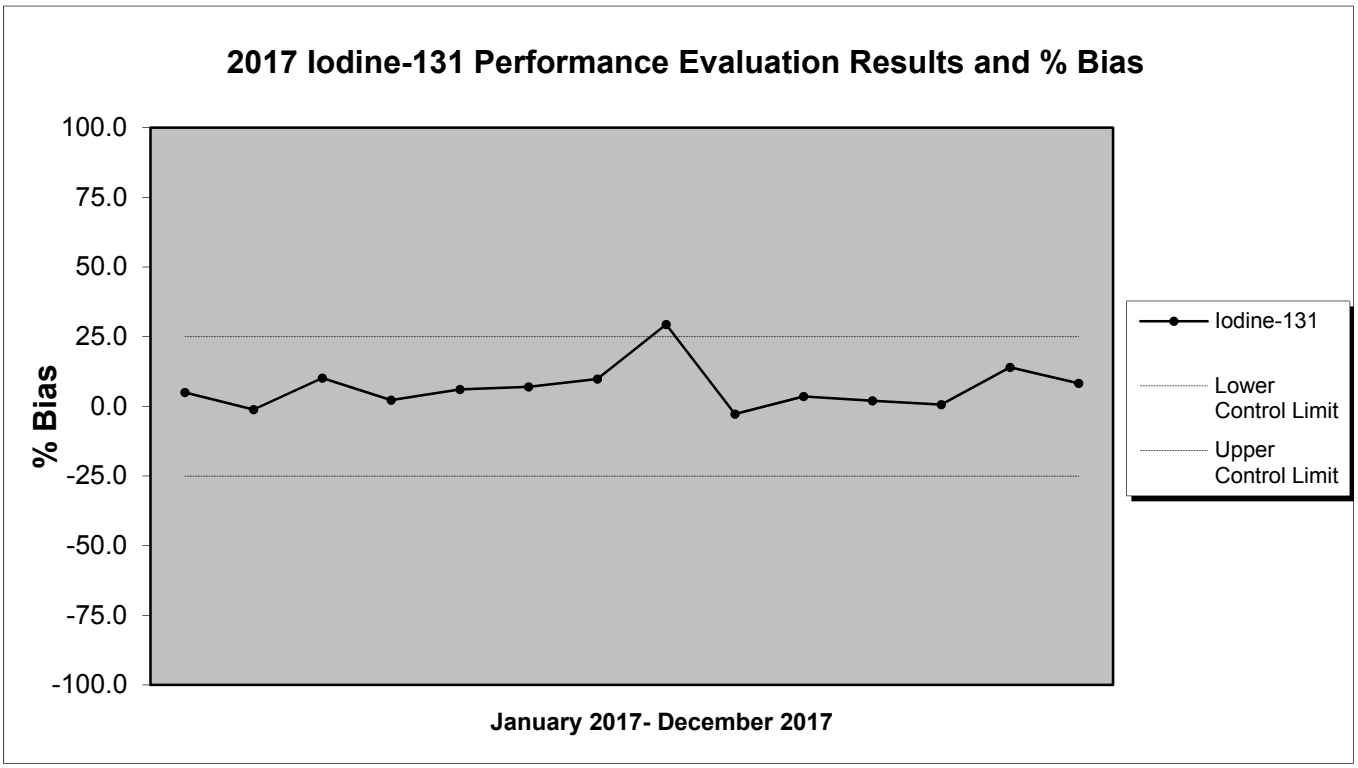

FIGURE 8

AMERICIUM-241 PERFORMANCE EVALUATION RESULTS AND % BIAS

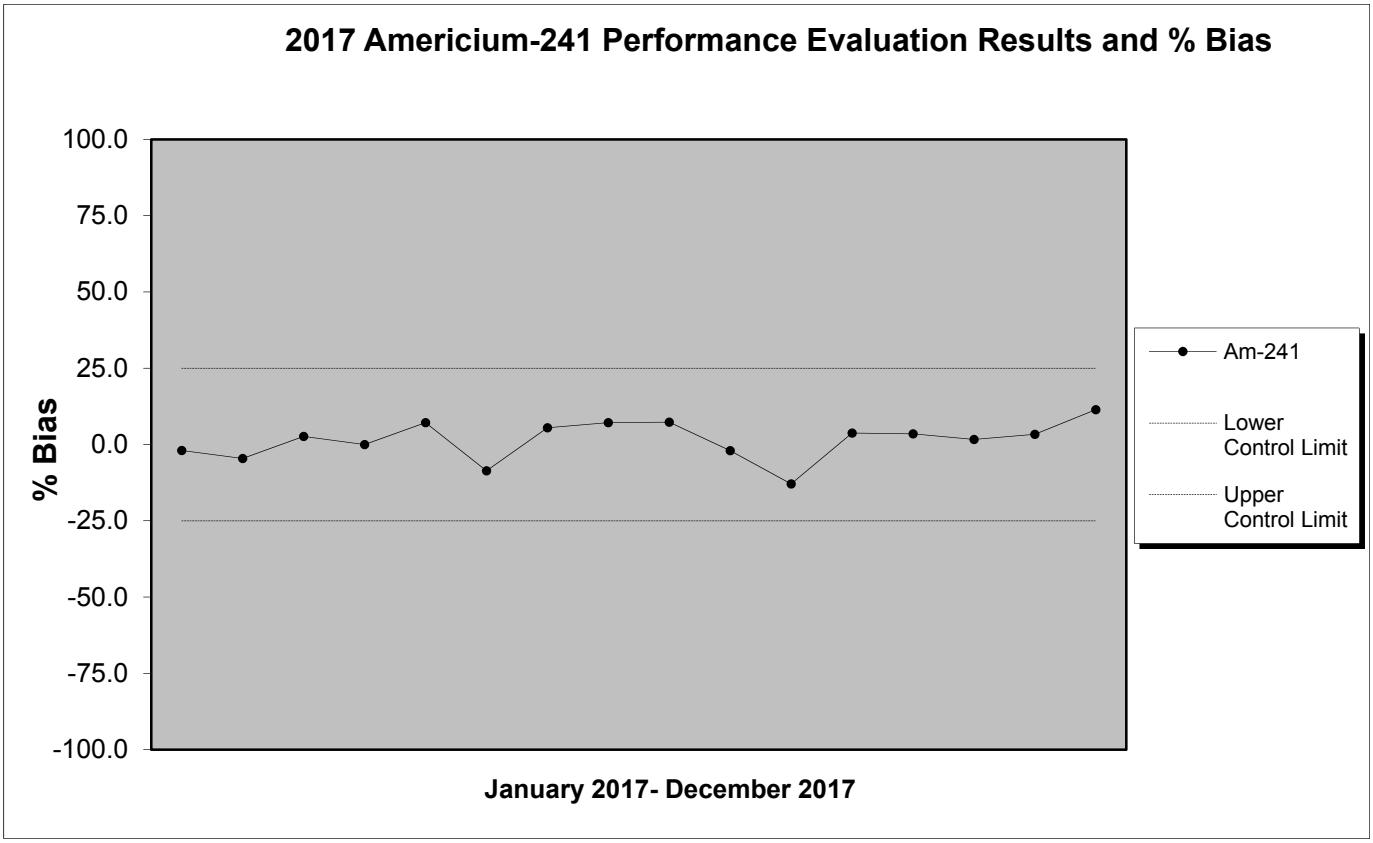

FIGURE 9

PLUTONIUM-238 PERFORMANCE EVALUATION RESULTS AND % BIAS

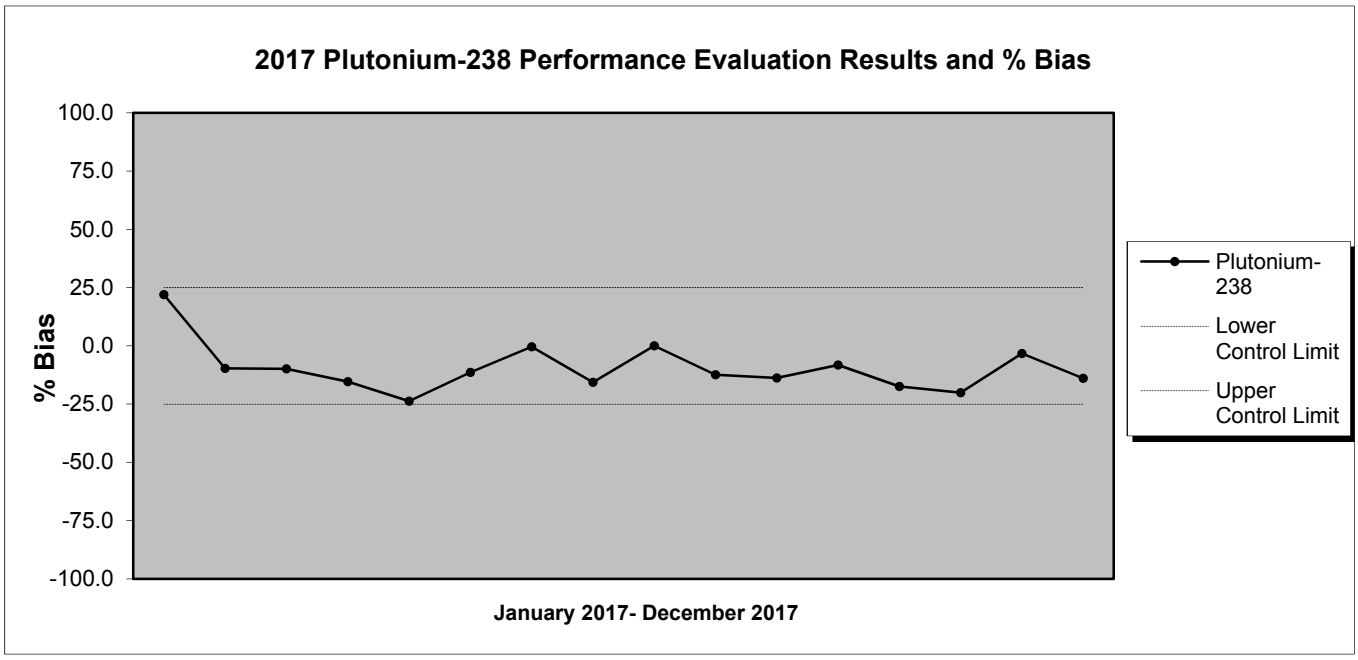

TABLE 6

REMP INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

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

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

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

TABLE 7

ALL RADIOLOGICAL INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX:

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

LSC Promethium 147	4	0	4	0
LSC, Rapid Strontium 89 and 90	50	0	59	0
Alpha Spec Thorium	304	0	390	0
Gas Flow Radium 228	0	0	68	0
ICP-MS Uranium-233, 234 in Solid	36	0	36	0
LSC Sulfur 35	1	0	1	0
Alpha Spec Plutonium	402	0	447	0
ICP-MS Technetium-99 Prep in Soil	6	0	4	0
LSC Calcium 45	2	0	2	0
Alpha Spec Neptunium	299	0	320	0
Alpha Spec Plutonium	104	0	122	0
Alpha Spec Radium 226	43	0	62	0
Gas Flow Sr 2nd count	27	0	32	0
Gas Flow Strontium 90	216	0	218	0
Gas Flow Total Radium	1	0	1	0
Lucas Cell Radium 226	166	0	249	0
Total Activity Screen	6	0	16	0
Alpha Spec Am241 Curium	351	0	382	0
Alpha Spec Total Uranium	9	0	11	0
Gas Flow Total Strontium	96	0	101	0
ICP-MS Uranium-233, 234 Prep in Solid	34	0	34	0
ICP-MS Uranium-235, 236, 238 in Solid	44	0	35	0
Alpha Spec Polonium Solid	2	0	2	0
Gamma Spec Solid RAD A-013 with Ba, La	3	0	9	0
Gamma Spec Solid RAD A-013 with Iodine	9	0	9	0
GFC Chlorine-36 in Solids	12	0	14	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	3	0	3	0
Technetium-99	1	0	1	0
Tritium	7	0	7	0
Alpha Spec Am241 (pCi/Sample)	2	0	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	162	0	152	0
ICP-MS Uranium-235, 236, 238 Prep in Solid	35	0	40	0
Gross Alpha/Beta (Am/Cs Calibration) Solid	2	0	2	0
Alpha Spec Uranium	1	0	2	0
Gross Alpha/Beta	325	0	469	0
Alpha Spec Plutonium	2	0	3	0
Gas Flow Strontium 90	5	0	3	0
Gross Alpha/Beta (Americium Calibration) Solid	2	0	2	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	78	0	77	0
FILTER				
Alpha Spec Uranium	5	0	19	0
Alpha Spec Polonium	1	0	11	0
Gamma I-131, filter	4	0	4	0
LSC Plutonium Filter	76	0	94	0

Tritium	48	0	134	0
Tritium by Pyrolysis	0	0	1	0
Carbon-14	19	0	83	0
Carbon-14 by Pyrolysis	0	0	1	0
ICP-MS Tc-99 in Filter	0	0	3	0
Nickel-63	0	0	16	0
LSC Iron-55	45	0	60	0
Gamma Nickel 59 RAD A-022	53	0	62	0
Gamma Iodine 131 RAD A-013	0	0	1	0
LSC Nickel 63	56	0	64	0
Technetium-99	26	0	72	0
Gamma Spec Filter RAD A-013	118	0	174	0
ICP-MS Tc-99 Prep in Filter	0	0	3	0
LSC Selenium 79	1	0	2	0
Alphaspec Np Filter per Liter	11	0	21	0
Alphaspec Pu Filter per Liter	29	0	32	0
Gamma Iodine-125	3	0	0	0
Gamma Iodine-129	6	0	46	0
Alpha Spec Am243	7	0	13	0
Alpha Spec Radium,Filter/Liter	1	0	1	0
Gas Flow Lead 210	0	0	2	0
Total Uranium KPA	4	0	14	0
Alpha Spec Uranium	50	0	80	0
LSC Promethium 147	0	0	3	0
LSC, Rapid Strontium 89 and 90	59	0	72	0
Alpha Spec Thorium	36	0	55	0
Gas Flow Radium 228	0	0	1	0
Alpha Spec Plutonium	77	0	125	0
ICP-MS Uranium-233, 234 in Filter	0	0	4	0
Alpha Spec Neptunium	52	0	61	0
Alpha Spec Plutonium	64	0	84	0
Alpha Spec Polonium,(Filter/Liter)	0	0	2	0
Alpha Spec Radium 226	0	0	2	0
Alpha/Beta (Americium Calibration)	1	0	1	0
Gas Flow Sr 2nd Count	48	0	61	0
Gas Flow Strontium 90	56	0	82	0
LSC Plutonium 241 Filter per Liter	6	0	16	0
Lucas Cell Radium-226	1	0	2	0
Alpha Spec Am241Curium	102	0	146	0
Gas Flow Total Strontium	3	0	5	0
ICP-MS Uranium-233, 234 Prep in Filter	0	0	4	0
ICP-MS Uranium-235, 236, 238 in Filter	0	0	4	0
Total Activity in Filter,	2	0	4	0
Alphaspec Am241 Curium Filter per Liter	11	0	30	0

Tritium	82	0	93	0
GFC Chlorine-36 in Filters	2	0	2	0
Gamma Spec Filter RAD A-013 Direct Count	2	0	6	0
Carbon-14	8	0	11	0
GFC Chlorine-36 in Filters PL	2	0	3	0
Gross A & B (Americium Calibration) Liquid	0	0	21	0
Direct Count-Gross Alpha/Beta	69	0	0	0
Gross Alpha/Beta	31	0	41	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	6	0	8	0
ICP-MS Uranium-235, 236, 238 Prep in Filter	0	0	4	0
Alpha Spec U	10	0	36	0
Gross A & B	420	0	358	0
LSC Iron-55	3	0	11	0
Technetium-99	10	0	17	0
Gas Flow Sr-90	8	0	16	0
LSC Nickel 63	12	0	22	0
Gas Flow Pb-210	7	0	22	0
Gas Flow Ra-228	4	0	10	0
Gamma Iodine 129	9	0	9	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	3	0	4	0
Gamma Spec Filter	84	0	115	0
Lucas Cell Ra-226	10	0	21	0
Alpha Spec Thorium	12	0	29	0
LIQUID				
Alpha Spec Uranium	409	0	612	0
Alpha Spec Polonium	9	0	17	0
Electrolytic Tritium	11	0	19	0
Tritium	1104	0	1179	0
Carbon-14	168	0	197	0
Plutonium	84	0	107	0
Chlorine-36 in Liquids	6	0	11	0
Iodine-131	4	0	2	0
LSC Iron-55	101	0	138	0
Gamma Nickel 59 RAD A-022	13	0	25	0
Gamma Iodine 131 RAD A-013	2	0	2	0
LSC Nickel 63	127	0	167	0
LSC Radon 222	14	0	14	0
Technetium-99	450	0	503	0
Direct Tritium	26	0	26	0
Gamma Spec Liquid RAD A-013	730	0	770	0
Alpha Spec Total U RAD A-011	25	0	29	0
LSC Selenium 79	35	0	36	0
Alpha Spec Am243	11	0	17	0
Gamma Iodine-129	122	0	143	0

Gamma Iodine-131	25	0	24	0
ICP-MS Technetium-99 in Water	11	0	29	0
Gas Flow Lead 210	22	0	24	0
Total Uranium KPA	55	0	119	0
LSC Promethium 147	17	0	18	0
LSC, Rapid Strontium 89 and 90	6	0	9	0
Alpha Spec Polonium	1	0	2	0
Alpha Spec Thorium	209	0	295	0
Gas Flow Radium 228	462	0	541	0
Gas Flow Radium 228	10	0	10	0
Alpha Spec Plutonium	311	0	421	0
LSC Sulfur 35	11	0	12	0
Alpha Spec Neptunium	135	0	196	0
Alpha Spec Plutonium	23	0	34	0
Alpha Spec Radium 226	31	0	36	0
Gas Flow Sr 2nd count	113	0	127	0
Gas Flow Strontium 90	448	0	498	0
Gas Flow Total Radium	72	0	96	0
ICP-MS Technetium-99 Prep in Water	11	0	29	0
ICP-MS Uranium-233, 234 in Liquid	6	0	7	0
LSC Calcium 45	12	0	12	0
Lucas Cell Radium 226	510	0	604	0
Lucas Cell Radium-226	7	0	10	0
Total Activity Screen	1	0	1	0
Chlorine-36 in Liquids	13	0	15	0
Alpha Spec Am241 Curium	285	0	397	0
Gas Flow Total Strontium	90	0	90	0
Gross Alpha Non Vol Beta	865	0	1072	0
LSC Phosphorus-32	3	0	8	0
ICP-MS Uranium-233, 234 Prep in Liquid	6	0	7	0
Tritium in Drinking Water by EPA 906.0	5	0	5	0
Gamma Spec Liquid RAD A-013 with Ba, La	66	0	149	0
Gamma Spec Liquid RAD A-013 with Iodine	104	0	146	0
Gas Flow Strontium 89 & 90	2	0	0	0
ICP-MS Uranium-235, 236, 238 in Liquid	11	0	9	0
Gas Flow Total Alpha Radium	4	0	2	0
Gross Alpha Co-precipitation	8	0	15	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	8	0	9	0
Gross Alpha/Beta	0	0	1	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	88	0	94	0
Gross Alpha Beta (Americium Calibration) Liquid	28	0	52	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	46	0	50	0
Alpha/Beta (Americium Calibration) Drinking Water	22	0	15	0
TISSUE				

Gamma Spec Solid RAD A-013	60	0	72	0
Alpha Spec Uranium	6	0	8	0
Alpha Spec Thorium	0	0	1	0
Alpha Spec Plutonium	7	0	7	0
Alpha Spec Radium 226	0	0	1	0
Gas Flow Sr 2nd count	8	0	8	0
Gas Flow Strontium 90	12	0	13	0
Alpha Spec Am241 Curium	3	0	3	0
Gas Flow Total Strontium	7	0	7	0
Gamma Spec Solid RAD A-013 with Iodine	10	0	11	0
Gross Alpha/Beta	2	0	2	0
SEA WATER				
LSC Iron-55	8	0	8	0
LSC Nickel 63	8	0	8	0
Gas Flow Total Strontium	8	0	9	0
Gross Alpha Non Vol Beta	9	0	9	0
Gamma Spec Liquid RAD A-013 with Iodine	11	0	11	0
VEGETATION				
Carbon-14	7	0	7	0
Gamma Nickel 59 RAD A-022	1	0	1	0
Gamma Spec Solid RAD A-013	27	0	27	0
LSC Nickel 63	1	0	1	0
LSC Plutonium	1	0	1	0
Technetium-99	1	0	1	0
Tritium	7	0	7	0
Gamma Iodine-129	1	0	1	0
Gas Flow Lead 210	3	0	3	0
Total Uranium KPA	4	0	4	0
Alpha Spec Uranium	23	0	31	0
Alpha Spec Thorium	11	0	14	0
Alpha Spec Plutonium	15	0	14	0
Gas Flow Sr 2nd count	11	0	11	0
Gas Flow Strontium 90	14	0	15	0
Gas Flow Total Radium	2	0	3	0
Alpha Spec Am241 Curium	5	0	4	0
Gamma Spec Solid RAD A-013 with Iodine	76	0	87	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	1	0	2	0
Alpha Spec Am241 (pCi/Sample)	1	0	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	8	0	4	0
Alpha Spec Uranium	0	0	2	0
Gross Alpha/Beta	13	0	18	0
Alpha Spec Plutonium	0	0	2	0
Gas Flow Strontium 90	4	0	2	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	4	0	2	0

AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	381	0	529	0
Gamma Iodine-125	1	0	0	0
Gamma Iodine-129	15	0	6	0
Alpha Spec Uranium	0	0	1	0
Alpha Spec Plutonium	0	0	1	0
Alpha Spec Am241Curium	0	0	1	0
Carbon-14	13	0	13	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	26	0	26	0
Gamma Iodine 129	12	0	12	0
Gamma Spec Filter	12	0	12	0
DRINKING WATER				
Alpha Spec Uranium	2	0	2	0
Alpha Spec Polonium	0	0	1	0
Tritium	39	0	36	0
Iodine-131	1	0	7	0
LSC Iron-55	15	0	15	0
LSC Nickel 63	15	0	15	0
LSC Radon 222	34	0	29	0
Gamma Spec Liquid RAD A-013	25	0	26	0
Gamma Iodine-129	1	0	4	0
Gamma Iodine-131	21	0	20	0
Total Uranium KPA	2	0	4	0
Alpha Spec Thorium	2	0	2	0
Gas Flow Radium 228	33	0	39	0
Gas Flow Sr 2nd count	11	0	11	0
Gas Flow Strontium 90	10	0	18	0
Gas Flow Total Radium	1	0	1	0
LSC Calcium 45	2	0	2	0
Lucas Cell Radium 226	0	0	1	0
Lucas Cell Radium-226	48	0	48	0
Gamma Spec Drinking Water RAD A-013	4	0	20	0
Gas Flow Total Strontium	16	0	17	0
Gross Alpha Non Vol Beta	328	0	270	0
Tritium in Drinking Water by EPA 906.0	47	0	61	0
Gamma Spec Liquid RAD A-013 with Ba, La	16	0	68	0
Gas Flow Strontium 89 & 90	23	0	20	0
Gross Alpha Co-precipitation	127	0	94	0
Alpha/Beta (Americium Calibration) Drinking Water	11	0	11	0
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	1	0	1	0
Total	**17140**	**0**	**21176**	**0**

Note 1: The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The

RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

TABLE 8

2017 CORRECTIVE ACTION REPORT SUMMARY

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR170227-1085 ISO Documentation of PT Failures in RAD 108 for Gross Alpha.	**Root Cause Analysis** **Gross Alpha** **EPA 00-02 and EPA 9310** After a review of the data, it was determined that an unknown error occurred during the preparation and/or analysis of these samples because all quality control criteria were met for the batch. The following steps were taken to prove that this positive bias was an isolated occurrence and that our overall process is within control. 1. The batch quality control samples were reviewed and found to be compliant. The LCSs recovered at 119% (EPA 00-02) and 96.9% (EPA 900 & 9310). 2. The sample was duplicated within each batch and met criteria with RPDs of 2.52% & 3.48%. (EPA 00-02) and 0.211% and 16.4% (EPA 900.0 & 9310). 3. The LCS control charts were review for biases. None were noted **Permanent Corrective/Preventive Actions or Improvements** : The laboratory must assume unidentified random errors caused the biases because all quality control criteria were met for the batches**.** The sample was re-analyzed after the "Not Acceptable" rating was received and a result that fell within the acceptance range was obtained.
CARR170828-1125 ISO Documentation of PT Failure in RAD 110 for I-131	**Root Cause Analysis** **Iodine-131**: After a review of the data, it was determined that an unknown error occurred during the analysis of these samples because all quality control criteria were met for the batch. The following steps were taken to prove that this positive bias was an isolated occurrence and that the laboratory's overall process is in control: 1. The batch quality control samples were reviewed and found to be compliant. 2. The sample was duplicated within the batch and met criteria. The duplicate result is within the acceptance limits of the study. 3. The control charts were reviewed for biases and none were noted.

	Permanent Corrective/Preventive Actions or Improvements None needed at this time. The laboratory must assume unidentified random errors caused the biases because all quality control criteria were met for the batches.

ENVIRONMENTAL DOSIMETRY COMPANY

ANNUAL QUALITY ASSURANCE STATUS REPORT

January - December 2017

Prepared By: _____ Date: 3/7/18

Approved By: _____ Date: 3/7/18

Environmental Dosimetry Company
10 Ashton Lane
Sterling, MA 01564

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EXECUTIVE SUMMARY

Routine quality control (QC) testing was performed for dosimeters issued by the Environmental Dosimetry Company (EDC) .

During this annual period100% (72/72) of the individual dosimeters, evaluated against the EDC internal performance acceptance criteria (high-energy photons only), met the criterion for accuracy and 100% (72/72) met the criterion for precision (Table 1). In addition, 100% (12/12) of the dosimeter sets evaluated against the internal tolerance limits met EDC acceptance criteria (Table 2) and 100% (6/6) of independent testing passed the performance criteria (Table 3). Trending graphs, which evaluate performance statistic for high-energy photon irradiations and co-located stations are given in Appendix A.

One internal assessment and one external audit were performed in 2017.There were no findingsidentified.

I. INTRODUCTION

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, and both internal and client directed program assessments.

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. Two programs are used:

A. QC Program

Dosimetry quality control tests are performed on EDC Panasonic 814 Environmental dosimeters. These tests include: (1) the in-house testing program coordinated by the EDC QA Officer and (2) independent test perform by EDC clients. In-house test 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.Results of these tests are described in this report.

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.

B. QA Program

An internal assessment of dosimetry activities is conducted annually by the Quality Assurance Officer (Reference 1). The purpose of the assessment is to review procedures, results, materials or components to identify opportunities to improve or enhance processes and/or services.

II. PERFORMANCE EVALUATION CRITERIA

A. Acceptance Criteria for Internal Evaluations

1. Bias

For each dosimeter tested, the measure of bias is the percent deviation of the reported result relative to the delivered exposure. The percent deviation relative to the delivered exposure is calculated as follows:

$$\frac{(H_i' - H_i)}{H_i} 100$$

where:

H_i' = the corresponding reported exposure for the ith dosimeter (i.e., the reported exposure)

H_i = the exposure delivered to the ith irradiated dosimeter (i.e., the delivered exposure)

2. Mean Bias

For each group of test dosimeters, the mean bias is the average percent deviation of the reported result relative to the delivered exposure. The mean percent deviation relative to the delivered exposure is calculated as follows:

$$\sum\left(\frac{(H_i' - H_i)}{H_i}\right)100\left(\frac{1}{n}\right)$$

where:

H_i' = the corresponding reported exposure for the ith dosimeter (i.e., the reported exposure)

H_i = the exposure delivered to the ith irradiated test dosimeter (i.e., the delivered exposure)

n = the number of dosimeters in the test group

3. Precision

For a group of test dosimeters irradiated to a given exposure, the measure of precision is the percent deviation of individual results relative to the mean reported exposure. At least two values are required for the determination of precision. The measure of precision for the ith dosimeter is:

$$\left(\frac{\left(H_i' - \bar{H}\right)}{\bar{H}}\right)100$$

where:

H_i' = the reported exposure for the ith dosimeter (i.e., the reported exposure)

$\bar{H}$ = the mean reported exposure; i.e., $\bar{H} = \sum H_i'\left(\frac{1}{n}\right)$

n = the number of dosimeters in the test group

4. EDC Internal Tolerance Limits

All evaluation criteria are taken from the “EDC Quality System Manual,” (Reference 2). These criteria are only applied to individual test dosimeters irradiated with high-energy photons (Cs-137) and are as follows for Panasonic Environmental dosimeters: ± 15% for bias and ± 12.8% for precision.

B. QC Investigation Criteria and Result Reporting

EDC Quality System Manual (Reference 2) specifies when an investigation is required due to a QC analysis that has failed the EDC bias criteria. The criteria are as follows:

1. No investigation is necessary when an individual QC result falls outside the QC performance criteria for accuracy.

2. Investigations are initiated when the mean of a QC processing batch is outside the performance criterion for bias.

C. Reporting of Environmental Dosimetry Results to EDC Customers

1. All results are to be reported in a timely fashion.

2. If the QA Officer determines that an investigation is required for a process, the results shall be issued as normal. If the QC results prompting the investigation have a mean bias from the known of greater than ±20%, the results shall be issued with a note indicating that they may be updated in the future, pending resolution of a QA issue.

3. Environmental dosimetry results do not require updating if the investigation has shown that the mean bias between the original results and the corrected results, based on applicable correction factors from the investigation, does not exceed ±20%.

III. DATA SUMMARY FOR ISSUANCE PERIOD JANUARY-DECEMBER 2017

A. General Discussion

Results of performance tests conducted are summarized and discussed in the following sections. Summaries of the performance tests for the reporting period are given in Tables 1 through 3 and Figures 1 through 4.

Table 1 provides a summary of individual dosimeter results evaluated against the EDC internal acceptance criteria for high-energy photons only. During this period100% (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. A graphical interpretation is provided in Figures 1 and 2.

Table 2 provides the biasand 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. A graphical interpretation is provided in Figure 3.

Table 3 presents the independent blind spike results for dosimeters processed during this annual period. All results passed the performance acceptance criterion. Figure 4 is a graphical interpretation of Seabrook Station blind co-located station results.

B. Result Trending

One of the main benefits of performing quality control tests on a routine basis is to identify trends or performance changes. The results of the Panasonic environmental dosimeter performance tests are presented in Appendix A. The results are evaluated against each of the performance criteria listed in Section II, namely: individual dosimeter accuracy, individual dosimeter precision, and mean bias.

All of the results presented in Appendix A are plotted sequentially by processing date.

IV. STATUS OF EDC CONDITION REPORTS (CR)

No condition reports were issued during this annual period.

V. STATUS OF AUDITS/ASSESSMENTS

1. Internal

EDC Internal Quality Assurance Assessment was conducted during the fourth quarter 2017. There were no findings identified.

2. External

The DTE Energy and NextEra Energy Audit 17-007 was conducted on August 8-9, 2017. There were no findings identified.

VI. PROCEDURES AND MANUALS REVISED DURING JANUARY - DECEMBER 2017

Two procedures and the Quality System Manual were reissued with no changes as part of the 5 year review cycle.

VII. CONCLUSION AND RECOMMENDATIONS

The quality control evaluations continue to indicate the dosimetry processing programs at the EDC satisfy the criteria specified in the Quality System Manual. The EDC demonstrated the ability to meet all applicable acceptance criteria.

VIII. REFERENCES

1. EDC Quality Control and Audit Assessment Schedule, 2017.

2. EDC Manual 1, Quality System Manual, Rev. 3, August 1, 2017.

TABLE 1

PERCENTAGE OF INDIVIDUAL DOSIMETERS THAT PASSED EDC INTERNAL CRITERIA JANUARY – DECEMBER 2017[(1), (2)]

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

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

TABLE 2

MEAN DOSIMETER ANALYSES (N=6) JANUARY – DECEMBER 2017[(1), (2)]

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

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

TABLE 3
SUMMARY OF INDEPENDENT DOSIMETER TESTING JANUARY – DECEMBER 2017[(1), (2)]

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

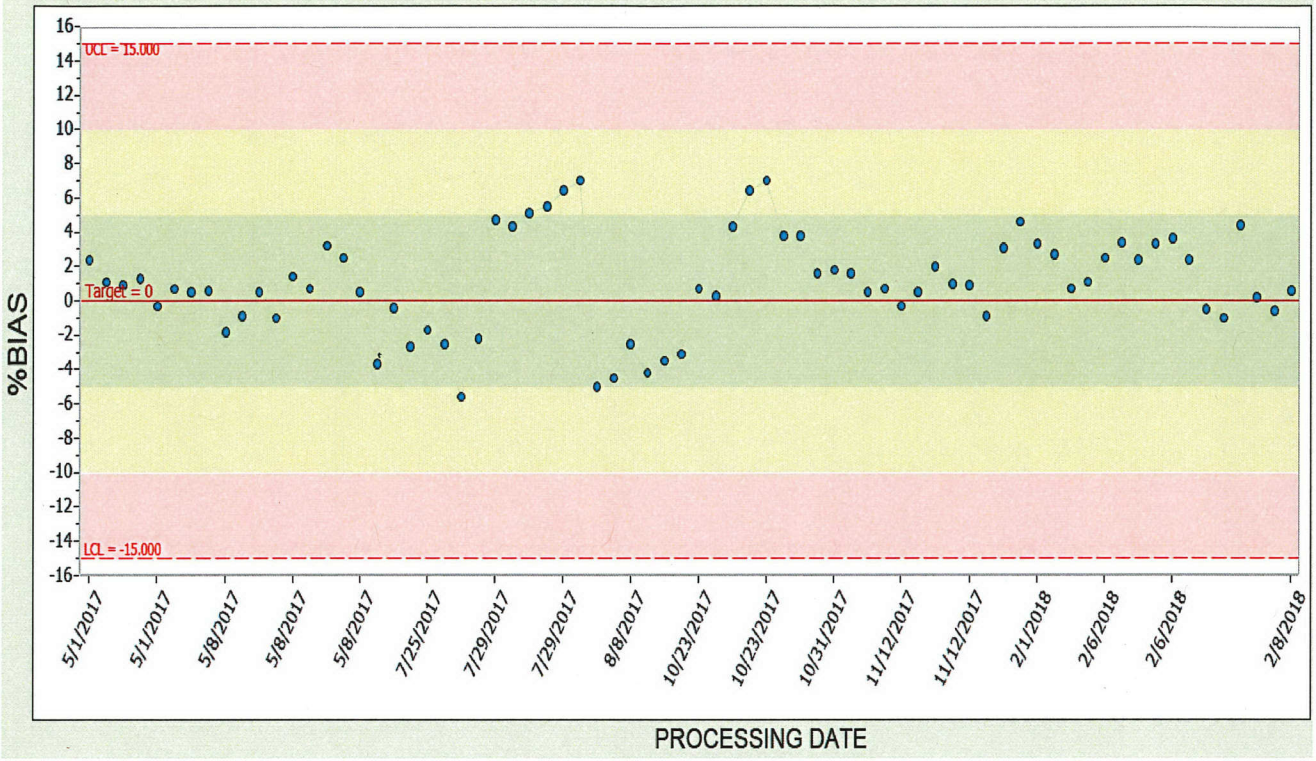
[(1)]Performance criteria are +/- 30%.
[(2)]Blind spikeirradiations using Cs-137

APPENDIX A

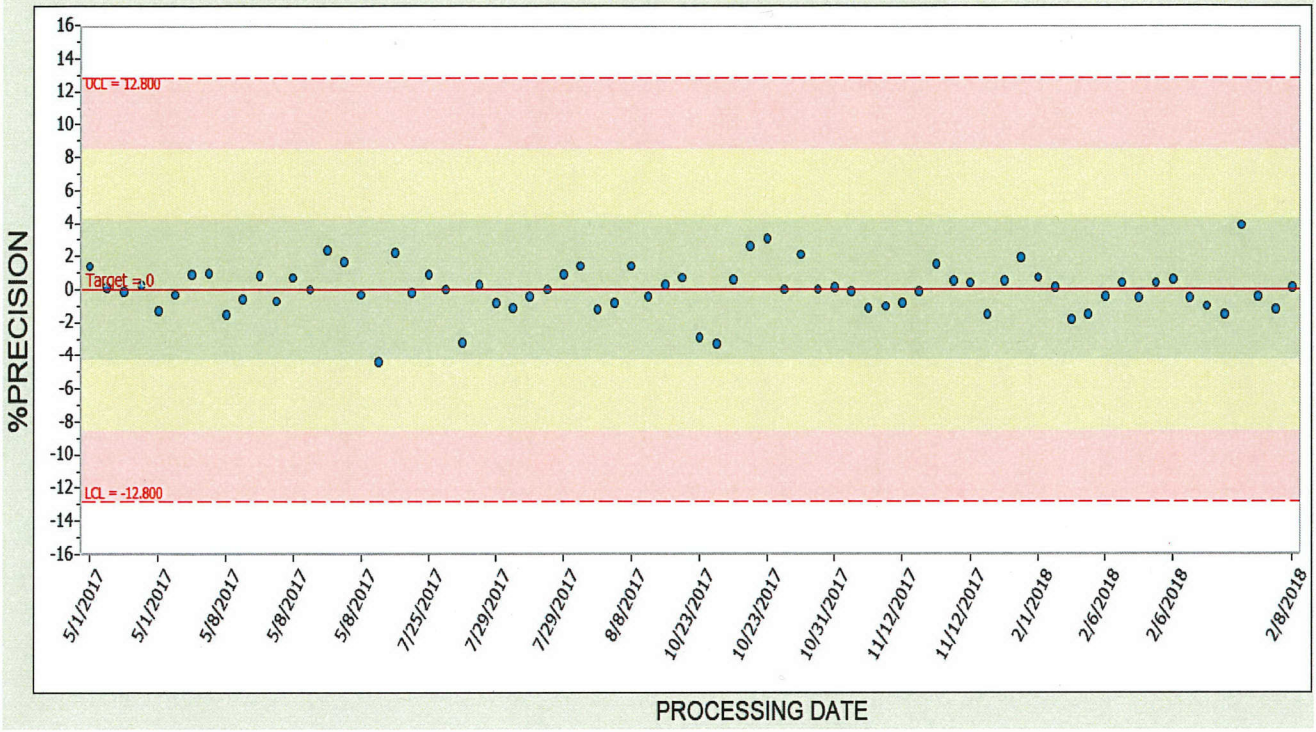
DOSIMETRY QUALITY CONTROL TRENDING GRAPHS

ISSUE PERIOD JANAURY - DECEMBER 2017

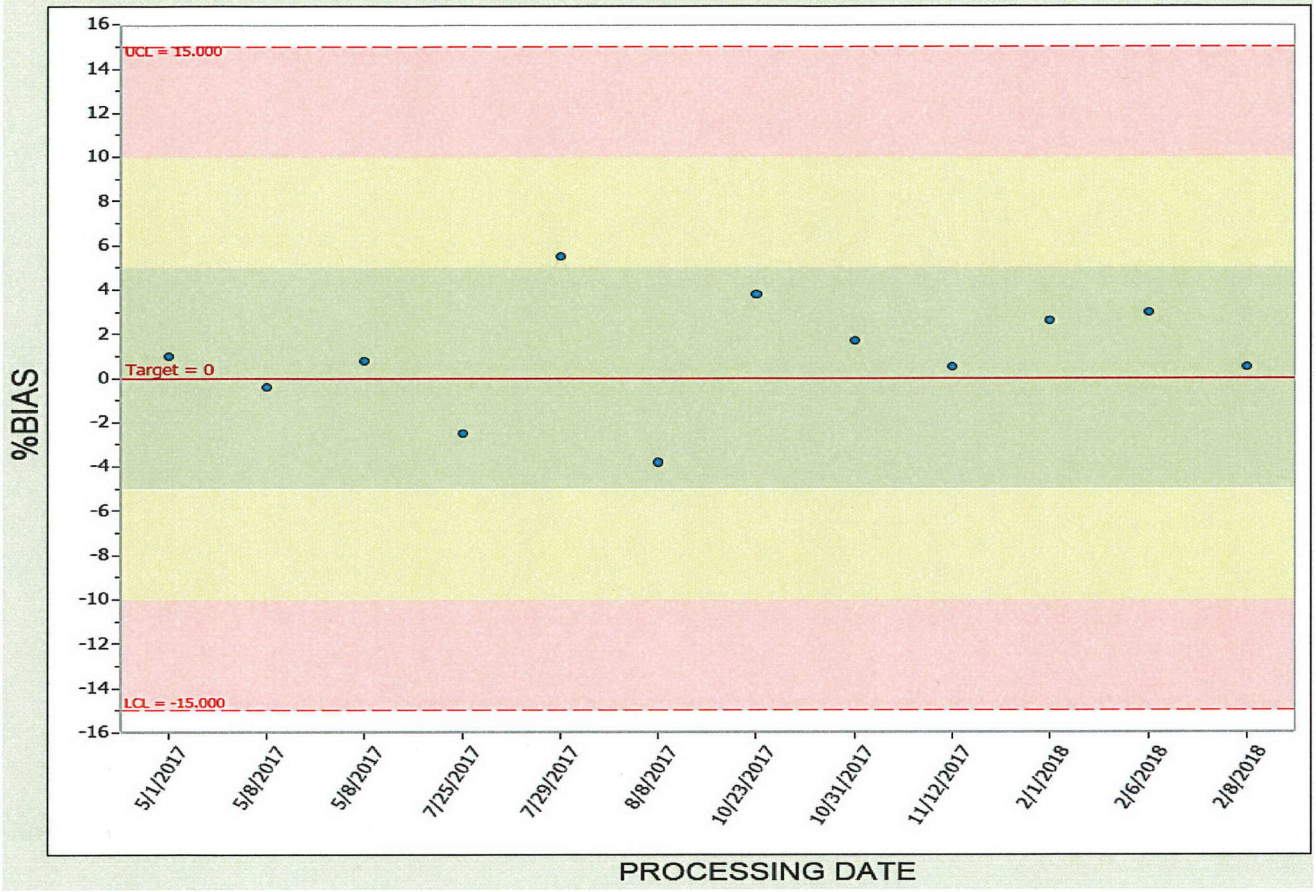
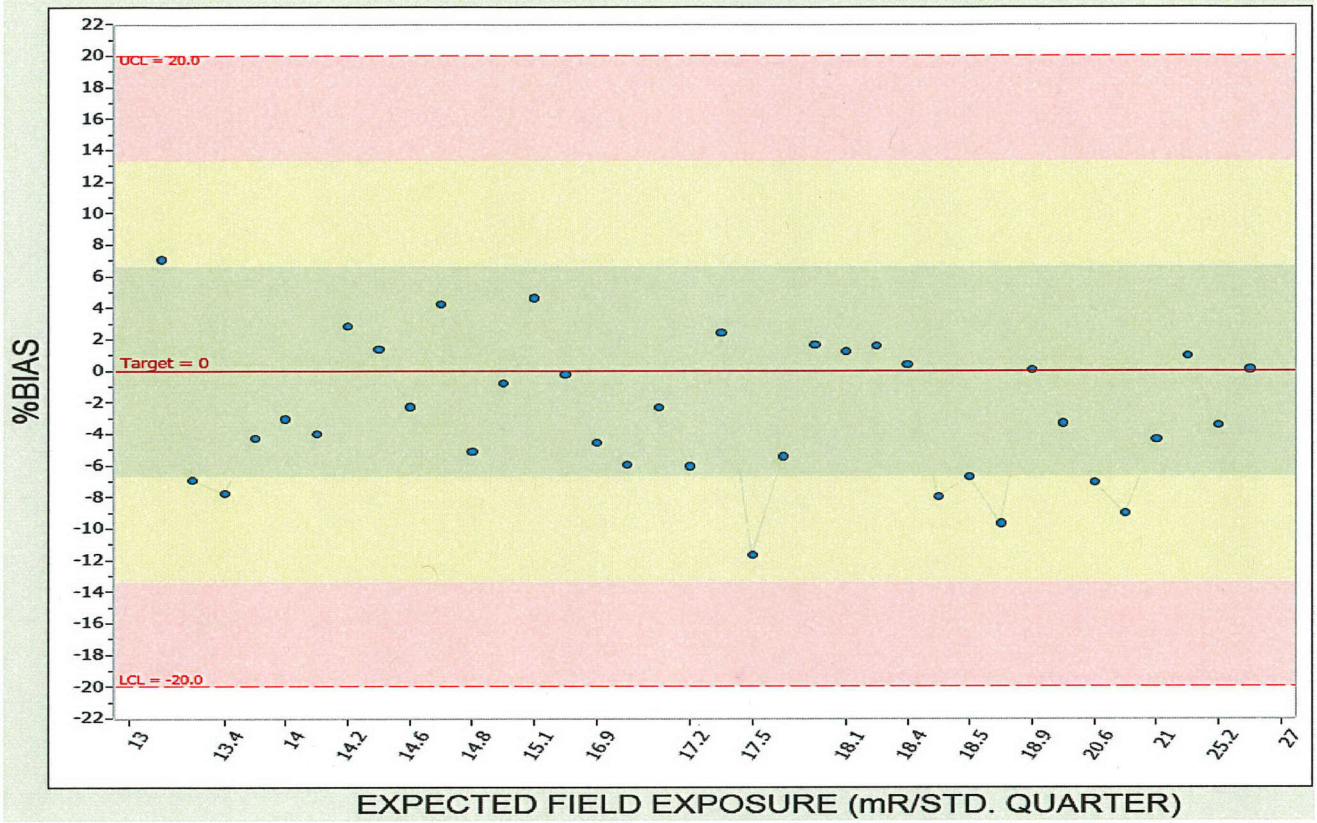
INDIVIDUAL ACCURACY ENVIRONMENTAL
FIGURE 1



INDIVIDUAL PRECISION ENVIRONMENTAL
FIGURE 2



MEAN ACCURACY ENVIRONMENTAL
FIGURE 3



SEABROOK CO-LOCATE ACCURACY
FIGURE 4