



Sequoyah Nuclear Plant, Post Office Box 2000, Soddy Daisy, Tennessee 37384

May 8, 2023

10 CFR 50.4

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

Sequoyah Nuclear Plant, Units 1 and 2
Renewed Facility Operating License Nos. DPR-77 and DPR-79
NRC Docket Nos. 50-327, 50-328, and 72-034

Subject: **Annual Radiological Environmental Operating Report**

Enclosed is the Annual Radiological Environmental Operating Report for the period of January 1 to December 31, 2022. This report is being submitted as required by the respective Sequoyah Nuclear Plant (SQN), Units 1 and 2, Technical Specification 5.6.1 and SQN's Offsite Dose Calculation Manual Administrative Control Section 5.1, each of which specifies that the report be submitted prior to May 15th of each year.

There are no new regulatory commitments contained in this letter. If you have any questions concerning this matter, please contact Mr. Rick Medina, SQN Licensing Manager, at (423) 843-8129.

Respectfully,

Marshall, Thomas  Digitally signed by Marshall,
Thomas B.
Date: 2023.05.08 17:09:54 -04'00'

B.

Thomas Marshall
Site Vice President
Sequoyah Nuclear Plant

Enclosure:

Annual Radiological Environmental Operating Report, Sequoyah Nuclear Plant, 2022

cc (Enclosure):

NRC Regional Administrator – Region II
NRC Resident Inspector – Sequoyah Nuclear Plant

ENCLOSURE

**ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT
SEQUOYAH NUCLEAR PLANT
2022**



Annual Radiological Environmental Operating Report

2022

TABLE OF CONTENTS

1.0	LIST OF ACRONYMS AND DEFINITIONS	3
2.0	EXECUTIVE SUMMARY	5
2.1	Summary Of Conclusions:	5
3.0	INTRODUCTION.....	6
4.0	SITE DESCRIPTION AND SAMPLE LOCATIONS.....	7
5.0	MAPS OF COLLECTION SITES	15
6.0	REPORTING LEVELS FOR RADIOACTIVITY CONCENTRATIONS IN ENVIRONMENTAL SAMPLES.....	18
7.0	SAMPLING PROGRAM, PROGRAM MODIFICATION AND INTEPRETATION OF RESULTS	19
7.1	Environmental Direct Radiation Dosimetry Sample Results	19
7.2	Airborne Pathway Sampling Results.....	22
7.3	Waterborne Sample Results	24
7.4	Ingestion Pathway Sample Results.....	25
8.0	LAND USE CENSUS	26
9.0	SAMPLE DEVIATIONS, ANOMALIES AND UNAVAILABILITY	27
10.0	OTHER SUPPLEMENTAL INFORMATION	28
10.1	NEI 07-07 Onsite Radiological Groundwater Monitoring Program.....	28
10.2	Corrections to Previous Reports	28
11.0	BIBLIOGRAPHY	29

TABLES

Table 1,	Radiological Environmental Sampling Program – Exposure Pathway - Airborne.....	9
Table 2,	Radiological Environmental Sampling Program – Exposure Pathway - Airborne.....	10
Table 3,	Radiological Environmental Sampling Program – Exposure Pathway - Waterborne.....	11
Table 4,	Radiological Environmental Sampling Program – Exposure Pathway - Ingestion.....	12
Table 5,	REMP Sampling Locations – Direct Radiation.....	13
Table 6,	Reporting Levels for Radioactivity Concentrations in Environmental Samples	18
Table 7,	Maximum Values for the Lower Limit of Detection.....	18
Table 8:	Land Use Census	27
Table 9:	Sample Deviation Summary.....	28
Table 10:	Complete REMP Results – Air Particulate (pCi/m ³).....	34
Table 11:	Complete REMP Results – Radioiodine (pCi/m ³).....	182
Table 12:	Complete REMP Results – Fish (pCi/m ³)	185
Table 13:	Complete REMP Results – Food Products (pCi/kg)	196
Table 14:	Complete REMP Results –Surface Water (pCi/L)	207
Table 15:	Complete REMP Results – Well Water (pCi/L).....	230
Table 16:	Complete REMP Results – Drinking Water (pCi/L).....	239
Table 17:	Complete REMP Results – Shoreline Sediment (pCi/kg).....	287
Table 18:	Complete REMP Results – Soil (pCi/kg)	293
Table 19:	Complete REMP Results – Wet Vegetation (pCi/kg)	305

FIGURES

Figure 1, Potential exposure pathways to Members of the Public due to Plant Operations [7] 6

Figure 2, REMP Sample Locations (Near Field/Site Boundary) 15

Figure 3, REMP Sample Locations (Far Field)..... 16

Figure 4, REMP Sample Locations (Onsite)..... 17

Figure 5: Air Particulate: Analysis for Gross Beta, Average Mean for All Indicator Vs. Control..... 22

Figure 6, Soil Cs-137 Radioactivity, Indicator vs. Control..... 23

ATTACHMENTS

Attachment 1, Data Table Summary 31

Attachment 2, Complete Data Table for All Analysis Results Obtained In 2022 34

Attachment 3, Cross Check Intercomparison Program..... 328

Attachment 4, Environmental Direct Radiation Dosimetry Sample Results 330

1.0 LIST OF ACRONYMS AND DEFINITIONS

1. Airborne Activity Sampling: Continuous sampling of air through the collection of particulates and radionuclides on filter media.
2. ARERR: Annual Radioactive Effluent Release Report
3. AREOR: Annual Radiological Environmental Operating Report
4. BWR: Boiling Water Reactor
5. Composite Sample: A series of single collected portions (aliquots) analyzed as one sample. The aliquots making up the sample are collected at time intervals that are very short compared to the composite period.
6. Control: A sampling station in a location not likely to be affected by plant effluents due to its distance and/or direction from the station.
7. Curie (Ci): A measure of radioactivity; equal to 3.7×10^{10} disintegrations per second, or 2.22×10^{12} disintegrations per minute.
8. Direct Radiation Monitoring: The measurement of radiation dose at various distances from the plant is assessed using Thermoluminescent dosimeters, Optical Stimulated Luminance dosimeters and pressurized ionization chambers.
9. Grab Sample: A single discrete sample drawn at one point in time.
10. Indicator: A sampling location that is likely to be affected by plant effluents due to its proximity and/or direction from the plant.
11. Ingestion Pathway: The ingestion pathway includes milk, fish, drinking water and garden produce. Also sampled (under special circumstances) are other media such as vegetation and animal products such as eggs and meat when additional information about particular radionuclides is needed.
12. ISFSI: Independent Spent Fuel Storage Installation
13. Lower Limit of Detection (LLD): The smallest concentration of radioactive material in a sample that will yield a net count (above system background) that will be detected with 95% probability with a 5% probability of a false conclusion that a blank observation represents "real" signal.
14. MDA: Minimum Detectable Activity. For radiochemistry instruments, the MDA is the a posteriori minimum concentration that a counting system detects. The smallest concentration or activity of radioactive material in a sample that will yield a net count above instrument background and that is detected with 95% probability, with only five % probability of falsely concluding that a blank observation represents a true signal.
15. MDC: Minimum Detectable Concentration

16. Mean: The average, i.e., the sum of results divided by the number of results.
17. Microcurie: 3.7×10^4 disintegrations per second, or 2.22×10^6 disintegrations per minute.
18. MWe: Megawatts Electric
19. NA: Not Applicable
20. NDA: No Detectable Activity
21. NEI: Nuclear Energy Institute
22. NIST: National Institute of Standards and Technology
23. NPDES: National Pollutant Discharge Elimination System
24. NRC: Nuclear Regulatory Commission
25. ODCM: Offsite Dose Calculation Manual
26. OSLD: Optical Stimulated Luminance Dosimeter
27. pCi/L: picocuries / Liter
28. Protected Area: An area encompassed by physical barriers and to which access is controlled.
29. PWR: Pressurized Water Reactor
30. REMP: Radiological Environmental Monitoring Program
31. Restricted Area: An area, access to which is limited by the licensee for the purpose of protecting individuals against undue risks from exposure to radiation and radioactive materials.
32. SLC: Selected Licensee Commitment
33. SA: Sample Anomalies
34. SD: Sample Deviation
35. SPDES: State Pollutant Discharge Elimination System
36. SW: Surface Water
37. TLD: Thermoluminescent Dosimeter
38. TRM: Technical Requirement Manual
39. TS: Technical Specification

Annual Environmental Operating Report	YEAR: 2022	Page 5 of 332
Company: Tennessee Valley Authority	Plant: Sequoyah	

40. US: Unavailable Samples

2.0 EXECUTIVE SUMMARY

Sequoyah Radiological Environmental Monitoring Program (REMP) was established prior to the station becoming operational to provide information on background radiation present in the area. The goal of SQN REMP is to evaluate the impact of the station on the environment. Environmental samples from different media are monitored as part of the program in accordance with specifications detailed in the Offsite Dose Calculation Manual (ODCM). The program compares data from indicator locations near the plant, to control locations farther away from the site to assess operation impacts.

The Annual Radiological Environmental Operating Report (AREOR) provides data obtained through analyses of environmental samples collected at SQN for the reporting period of January 1st through December 31st, 2022. During that time period 1705 analyses were performed on 1397 samples. In assessing all the data gathered for this report and comparing these results with preoperational data and/or 10-year average values, it was concluded that the operation of SQN, did not result in detection of plant related radionuclides in the environment.

2.1 Summary Of Conclusions:

No measurable activities above background levels were detected. All values were consistent with historical results which indicate no adverse radiological environmental impacts associated with the operation of SQN. Naturally occurring radionuclides are present in the Earth's crust and atmosphere and exist in detectable quantities throughout the world. It is common to detect natural occurring radionuclides in many of the samples collected for REMP. Some examples of naturally occurring radionuclides that are frequently seen in samples are potassium-40, beryllium-7, actinium-228 (present as a decay product of radium-228), and radium-226. Additionally, some relatively long-lived anthropogenic radioisotopes, such as strontium-90 and cesium-137, are also seen in some REMP samples; these radionuclides exist in measurable quantities throughout the world as a result of fallout from historic atmospheric nuclear weapons testing. Detailed information on the exposure of the U.S. population to ionizing radiation can be found in NCRP Report No. 160 [1].

3.0 INTRODUCTION

The Radiological Environmental Monitoring Program (REMP) provides data on measurable levels of radiation and radioactive materials in the environment. This program also evaluates the relationship between quantities of radioactive materials released from the plant and resultant doses to individuals from principal pathways of exposure. In this capacity, REMP provides a check on the effluent release program and dispersion modeling to ensure that concentrations in the environment due to radioactive effluents conform to the “As Low as Is Reasonably Achievable” (ALARA) design objectives of 10 CFR 50, Appendix I [2], and implements the requirements of Section IV.B.2 and IV.B.3 of Appendix I. REMP is designed to follow the guidance of Nuclear Regulatory Commission (NRC) Regulatory Guide 4.1 [3], NUREG 1301/1302 [4] [5], and the 1979 NRC Branch Technical Position [6].

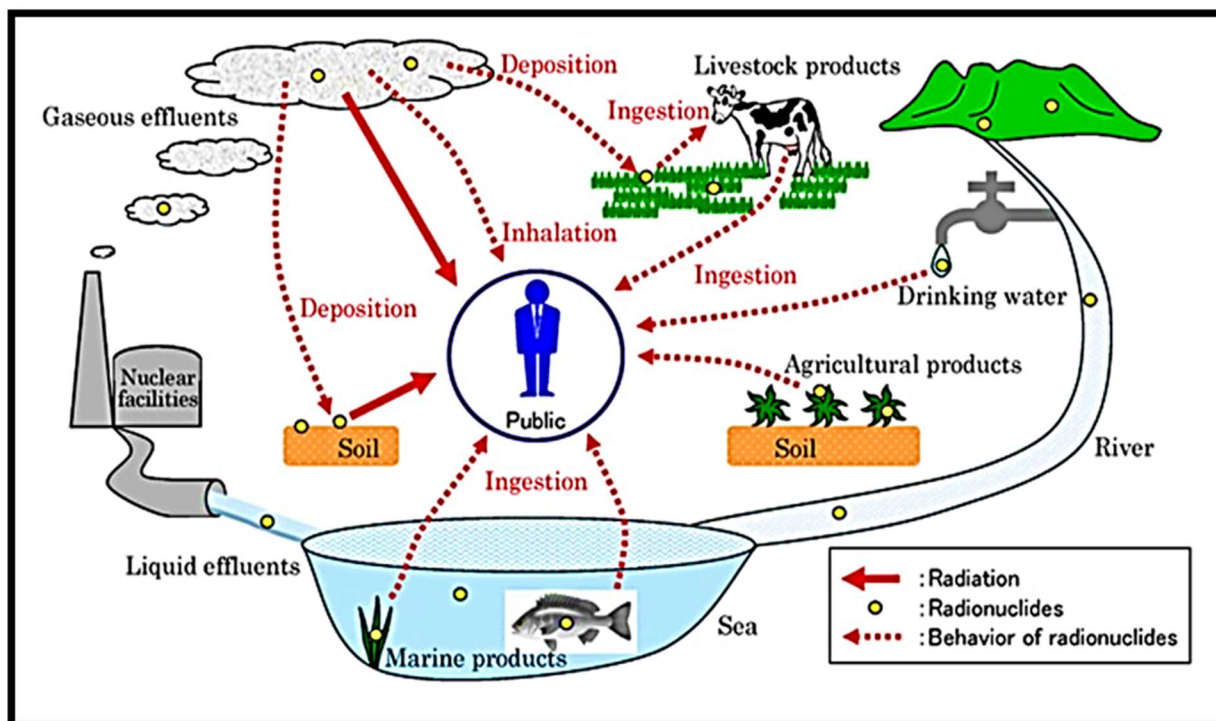


Figure 1, Potential exposure pathways to Members of the Public due to Plant Operations [7]

Quality assurance aspects of the sampling program and TLD/OSLD data collection are conducted in accordance with Regulatory Guides 4.15 [8] and 4.13 [9]. REMP also adheres to the requirements of SQN Technical Specifications, and Offsite Dose Calculation Manual (ODCM) [10]. These governing documents dictate the environmental sampling, sample analysis protocols, data reporting and quality assurance requirements for the environmental monitoring program.

The Annual Radiological Environmental Operating Report provides summaries of the environmental data from exposure pathways, interpretations of the data, and analyses of trends of the results. Routinely monitored pathways include ingestion, inhalation, and direct radiation. Routes of exposure are based on site specific information such as meteorology, receptor locations, and water usage around the plant.

4.0 SITE DESCRIPTION AND SAMPLE LOCATIONS

Sequoyah is a two-unit pressurized water reactor commercial nuclear power plant. Fuel was loaded in Unit 1 on March 1, 1980, and the unit achieved criticality on July 5, 1980. Fuel was loaded in Unit 2 in July 1981, and the unit achieved initial criticality on November 5, 1981.

Sequoyah is located on a site near the geographical center of Hamilton County, Tennessee, on a peninsula on the western shore of Chickamauga Lake at Tennessee River Mile (TRM) 484.5. The SQN site, containing approximately 525 acres, is approximately 7.5 miles northeast of the nearest city limit of Chattanooga, Tennessee, 14 miles west-northwest of Cleveland, Tennessee, and approximately 31 miles south-southwest of TVA's Watts Bar Nuclear Plant (WBN) site.

Population is distributed unevenly within 10 miles of the SQN site. Approximately 60 percent of the population is in the general area between 5 and 10 miles from the plant in the sectors ranging from the south, clockwise, to the northwest sector. This concentration is a reflection of suburban Chattanooga and the town of Soddy-Daisy. This area is characterized by considerable open land with scattered residential subdivisions. Residential subdivision growth has continued within the 10-mile radius of the plant. There is also small-scale farming located within 5 miles of the plant.

Chickamauga Reservoir is one of a series of highly controlled multiple-use reservoirs located on the Tennessee River whose primary uses are flood control, navigation, and the generation of electric power. Secondary uses include industrial and public water supply, commercial fishing, and recreation. Public access areas, boat docks, and residential subdivisions have been developed along the reservoir shoreline. SQN sampling media are selected based on site specific information such as meteorology, receptor locations, and water usage around the plant. Sampling and analysis frequencies are documented in the Offsite Dose Calculation Manual and site procedures. Required sampling, analysis frequencies and location of sample collected are captured in the following tables and figures:

- Table 1, Radiological Environmental Sampling Program – Exposure Pathway - Airborne
- Table 2, Radiological Environmental Sampling Program – Exposure Pathway - Airborne
- Table 3, Radiological Environmental Sampling Program – Exposure Pathway - Waterborne
- Table 4, Radiological Environmental Sampling Program – Exposure Pathway - Ingestion

- Table 5, REMP Sampling Locations – Direct Radiation
- Figure 2, REMP Sample Locations (Near Field/Site Boundary)
- Figure 3, REMP Sample Locations (Far Field)
- Figure 4, REMP Sample Locations (Onsite)

RADIOLOGICAL ENVIRONMENTAL SAMPLING PROGRAM REQUIREMENTS

Table 1, Radiological Environmental Sampling Program – Exposure Pathway - Airborne

Requirement	Sample Location Description, Distance, and Direction	Sampling Collection/ Frequency	Type and Frequency of Analyses
<p><u>Direct Radiation</u> 48 locations with 2 dosimeters each.</p> <p>2 or more dosimeters placed at or near the site boundary in each of the 16 sectors.</p> <p>2 or more dosimeters placed at stations located approximately 4 to 5 miles from the plant in each of the 16 sectors.</p> <p>2 or more dosimeters in at least 8 additional locations of special interest.</p>	<p align="center">See Table 5</p>	<p align="center">Quarterly (once per 92 days)</p>	<p align="center">Gamma dose quarterly (at least once per 92 days)</p>

Table 2, Radiological Environmental Sampling Program – Exposure Pathway - Airborne

Requirement	Sample Location Description, Distance, and Direction	Sampling Collection/Frequency	Type and Frequency of Analyses																																				
<p><u>Airborne Radioiodine and Particulates</u></p> <p>Samples from 12 locations:</p> <p>5 samples from locations (in different sectors) at or near the site boundary (LM-2, 3, 4, 5 and 9)</p> <p>3 samples from communities approximately 6 - 10 miles from plant (PM-2, 3 and 8)</p> <p>4 samples from control locations 15 – 30 km from the plant (RM-1, 2, 3 and 4)</p>	<table> <tr><td>LM-2</td><td>0.7 miles</td><td>N</td></tr> <tr><td>PM-2</td><td>3.8 miles</td><td>SW</td></tr> <tr><td>PM-3</td><td>5.6 miles</td><td>W</td></tr> <tr><td>PM-8</td><td>8.7 miles</td><td>SSW</td></tr> <tr><td>RM-1</td><td>16.7 miles</td><td>SW</td></tr> <tr><td>RM-2 Dayton, TN</td><td>17.8 miles</td><td>NNE</td></tr> <tr><td>LM-3</td><td>2 miles</td><td>SSW</td></tr> <tr><td>LM-4</td><td>1.5 miles</td><td>NE</td></tr> <tr><td>LM-5</td><td>1.8 miles</td><td>NNE</td></tr> <tr><td>LM-9</td><td>0.7 miles</td><td>WSW</td></tr> <tr><td>RM-3</td><td>11.3 miles</td><td>ESE</td></tr> <tr><td>RM-4</td><td>20 miles</td><td>NW</td></tr> </table>	LM-2	0.7 miles	N	PM-2	3.8 miles	SW	PM-3	5.6 miles	W	PM-8	8.7 miles	SSW	RM-1	16.7 miles	SW	RM-2 Dayton, TN	17.8 miles	NNE	LM-3	2 miles	SSW	LM-4	1.5 miles	NE	LM-5	1.8 miles	NNE	LM-9	0.7 miles	WSW	RM-3	11.3 miles	ESE	RM-4	20 miles	NW	<p>Continuous sampler operation with sample collection weekly (more frequently if required by dust loading)</p>	<p>Analyze for gross beta radioactivity \geq 24 hours following filter change. Perform gamma isotopic analysis on each sample if gross beta > 10 times yearly mean of control sample. Composite at least once per 31 days (by location) for gamma spectroscopy.</p> <p>I-131 by gamma spectroscopy on each sample.</p>
LM-2	0.7 miles	N																																					
PM-2	3.8 miles	SW																																					
PM-3	5.6 miles	W																																					
PM-8	8.7 miles	SSW																																					
RM-1	16.7 miles	SW																																					
RM-2 Dayton, TN	17.8 miles	NNE																																					
LM-3	2 miles	SSW																																					
LM-4	1.5 miles	NE																																					
LM-5	1.8 miles	NNE																																					
LM-9	0.7 miles	WSW																																					
RM-3	11.3 miles	ESE																																					
RM-4	20 miles	NW																																					
<p><u>Soil</u></p> <p>Samples from same 12 locations as air samples</p>	<p>See Above</p>	<p>Annually</p>	<p>Gamma spectroscopy, Sr-89, Sr-90</p>																																				

Table 3, Radiological Environmental Sampling Program – Exposure Pathway - Waterborne

Requirement	Sample Location Description, Distance, and Direction	Sampling Collection/ Frequency	Type and Frequency of Analyses
Surface Water 1 sample upstream (control) and 1 sample downstream (indicator)	TRM 503.8 (control) 20.1 miles TRM 483.4 (indicator) 0.3 miles	Collected by automatic sequential-type sampler with composite samples collected monthly	Gamma spectroscopy on each sample. Composite for tritium analysis quarterly.
Drinking Water 1 sample upstream (control) and 3 samples downstream (indicator)	TRM 503.8 (control) 20.1 miles TRM 473 (indicator) 10.7 miles TRM 469.9 (indicator) 13.8 miles TRM 465.3 (indicator) 18.4 miles	Monthly	Gross beta and gamma scan of each sample. Composite for tritium quarterly.
Groundwater 1 control location upgradient from the plant and 1 indicator location adjacent to plant.	Well #6 (indicator) 0.15 miles Farm HW (control) 1.2 miles	Quarterly	Gross beta, gamma spectroscopy, and tritium analysis of each sample.
Sediment from Shoreline 1 sample upstream (control) and 2 samples downstream (indicator)	TRM 485 (control) 1.3 miles TRM 480 (Indicator) 3.7 miles TRM 479 (Indicator) 4.7 miles	Semi-Annually	Gamma spectroscopy of each sample

Table 4, Radiological Environmental Sampling Program – Exposure Pathway - Ingestion

Requirement	Sample Location Description, Distance, and Direction	Sampling Collection/Frequency	Type and Frequency of Analyses
<p>Milk:</p> <p>As of 2017, the milk pathway is not applicable to SQN.</p>	N/A	Once per 15 days	I-131 and gamma spectroscopy on each sample. Sr-89 and Sr-90 quarterly.
<p>Fish :</p> <p>1 sample of each commercially and recreationally important species in vicinity of site discharge.</p> <p>1 sample of same species in areas not influenced by plant discharge.</p>	<p>Watts Bar Reservoir (Control)</p> <p>Lake Chickamauga Reservoir (TRM 485)</p>	Semi-Annually (at least once per 184 days)	Gamma spectroscopy on edible portions
<p>Food Products:</p> <p>1 sample of each principal food products grown at private gardens and/or farms in the immediate vicinity of the plant.</p> <p>1 sample of each of the same foods grown at greater than 10 miles distance from the plant.</p>	Various	Annually at time of harvest.	Gamma spectroscopy on edible portions
Vegetation	<p>Farm Bacon (control) 20.3 mile NNE</p> <p>Farm HW 1.2 miles NW</p>	Monthly	I-131 analysis and gamma spectroscopy of each sample

Table 5, REMP Sampling Locations – Direct Radiation

Site #	Location Type	Sector	Distance (Miles)	Description
14	Control	NW-3	20.0	RM-4
8	Special Interest	W-3	5.6	PM-3 SQN
78	Special Interest	WSW-3	5.7	Crabtree Rd
79	Special Interest	WSW-4	7.8	Love Lane
7	Outer Ring	SW-2	3.8	PM-2 SQN
77	Outer Ring	WSW-2	2.5	Ben Hall; Thrasher Lane
10	Outer Ring	WSW-2A	2.6	PM-9 SQN
76	Inner Ring	WSW-1	0.9	#1, S of Training Center Rd
75	Inner Ring	SW-1	0.7	#9 EDS
81	Inner Ring	W-1	0.6	#2 Training Ctr Rd/Igou Ferry
83	Inner Ring	WNW-1	0.4	SQN Entrance, S
73	Inner Ring	SSW-1	0.6	#29 Igou Cemetery
57	Inner Ring	ENE-1	0.2	#34 E. of Cooling Canal
85	Inner Ring	NW-1	0.4	#4 SQN Entrance; N
87	Inner Ring	NNW-1	0.6	#3 Stonesage Rd
49	Inner Ring	N-1	0.6	#13 Near LM-2 SQN
88	Inner Ring	NNW-2	1.7	Shady Grove Community
82	Outer Ring	W-2	4.3	SQ Health Center
84	Outer Ring	WNW-2	5.3	Soddy-Daisy Fire Station
86	Outer Ring	NW-2	5.2	Soddy-Daisy Water Filt. Plant
89	Outer Ring	NNW-3	5.3	Osage Drive
51	Outer Ring	N-3	5.2	Lee Pike
52	Special Interest	N-4	10.0	Railroad St., Sale Creek
13	Special Interest	ESE-3	11.3	RM-3 SQN
70	Outer Ring	SSE-2	4.6	Snow Hill Rd
68	Special Interest	SE-4	5.2	Cross Rds. Church

Table 5, REMP Sampling Locations – Direct Radiation

Site #	Location Type	Sector	Distance (Miles)	Description
63	Outer Ring	ESE-2	4.9	Ooltewah/G' town Pike
60	Outer Ring	E-2	5.2	Smith Farm
58	Outer Ring	ENE-2	5.1	Gamble Rd., E
56	Outer Ring	NE-2	4.1	Gamble Rd., W
53	Outer Ring	NNE-2	5.3	Eldridge Rd, W of Birchwood Pk
50	Outer Ring	N-2	2.1	Dogwood Drive
5	Inner Ring	NNE-1	1.8	LM-5 SQN
55	Outer Ring	NE-1	2.4	Birchwood Pike, N
4	Inner Ring	NE-1A	1.5	LM-4 SQN
59	Inner Ring	E-1	1.2	IBEW
62	Inner Ring	ESE-1	1.2	Lakeside Rd
66	Inner Ring	SE-1	1.4	Chattanooga Water Ski Club
67	Inner Ring	SE-2	1.9	Birchwood Pike, S
69	Inner Ring	SSE-1	1.6	Harrison Bay Rd, E
71	Inner Ring	S-1	1.5	Harrison Bay Rd
90	Inner Ring	SSW-1B	1.5	Entrance to Hamilton Island
3	Inner Ring	SSW-1C	2.0	Siren Station 27, LM-3 SQN
74	Outer Ring	SSW-2	4.0	Harrison Bay State Park
72	Outer Ring	S-2	4.7	Ramsey Town Rd
9	Special Interest	SSW-3	8.7	PM-8 SQN
11	Control	SW-3	16.7	RM-1 SQN
12	Control	NNE-4	17.8	RM-2 SQN

5.0 MAPS OF COLLECTION SITES

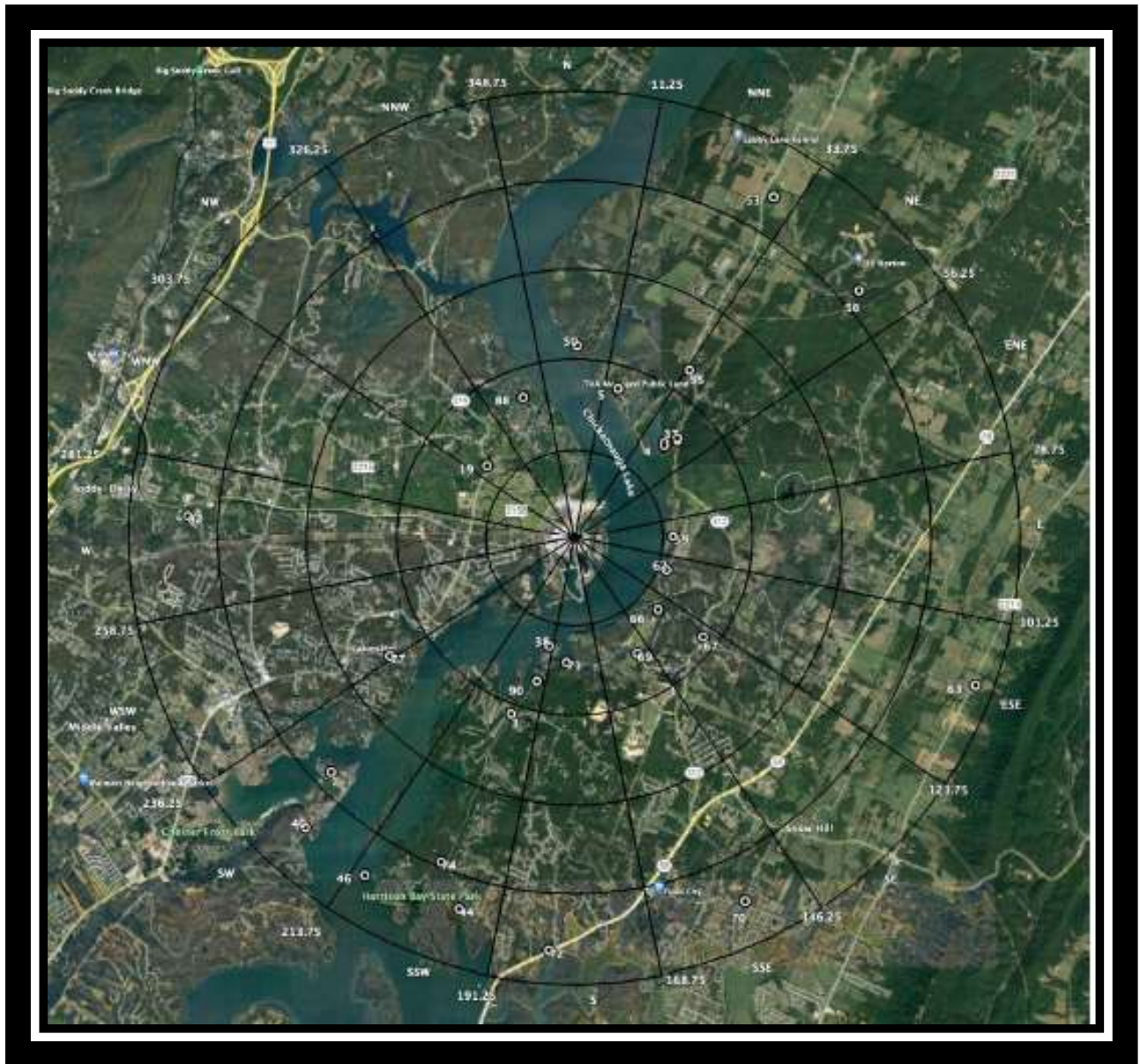


Figure 2, REMP Sample Locations (Near Field/Site Boundary)

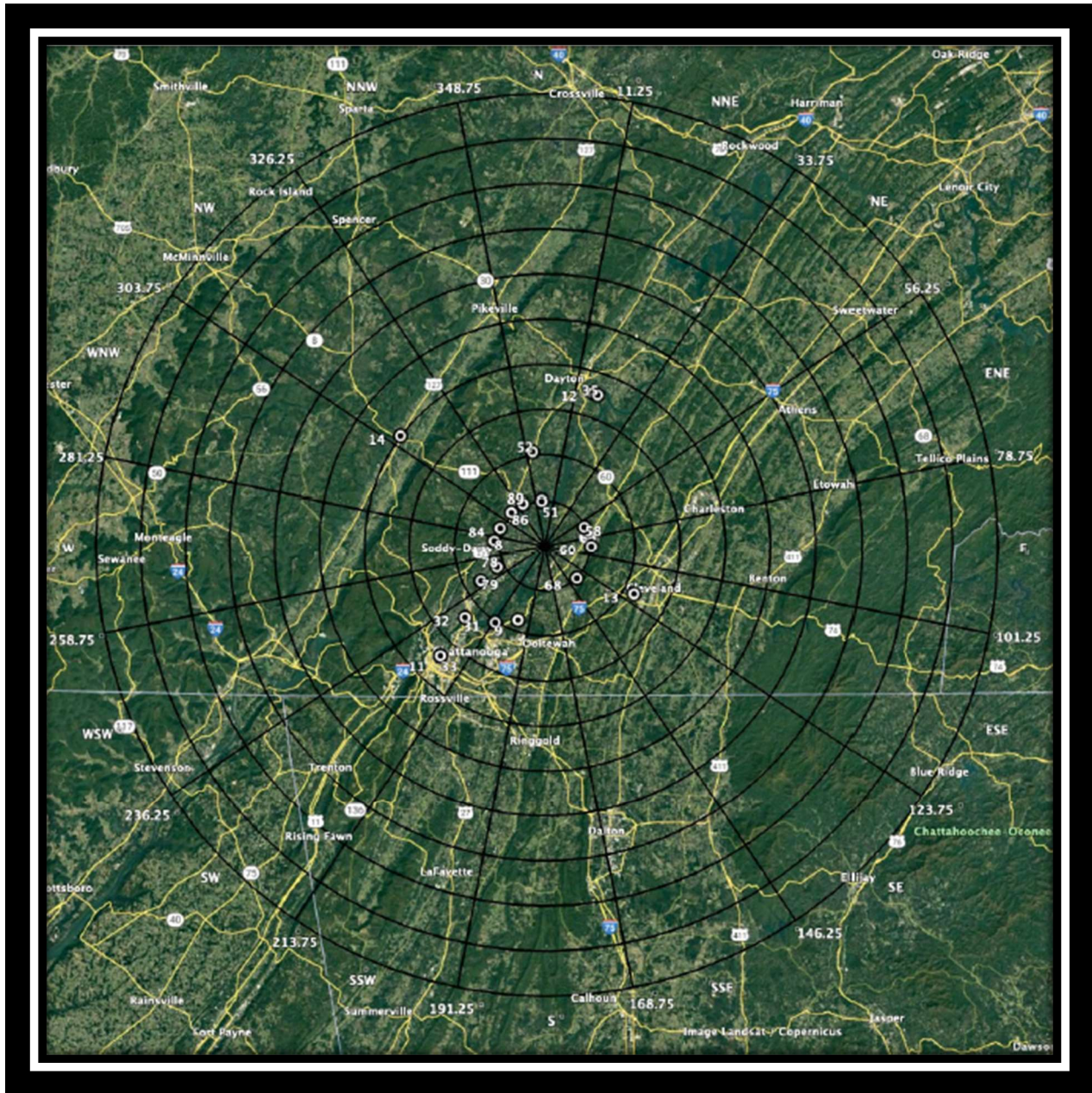


Figure 3, REMP Sample Locations (Far Field)

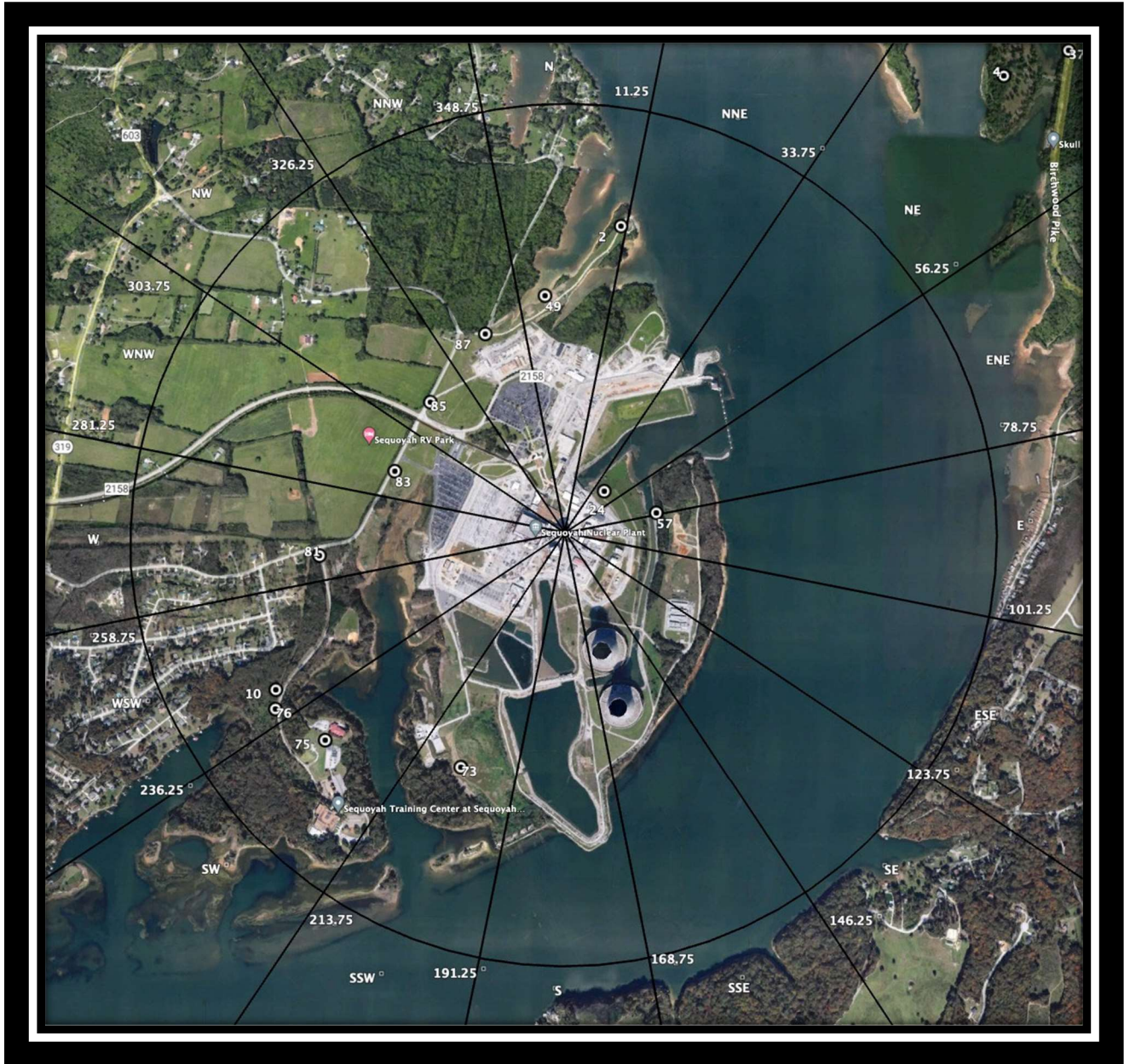


Figure 4, REMP Sample Locations (Onsite)

6.0 REPORTING LEVELS FOR RADIOACTIVITY CONCENTRATIONS IN ENVIRONMENTAL SAMPLES

Table 6, Reporting Levels for Radioactivity Concentrations in Environmental Samples

Radionuclide	Water (pCi/L)	Air Particulates or Gases (pCi/m ³)	Fish (pCi/kg-wet)	Milk (pCi/L)	Food Products (pCi/Kg-wet)
H-3	20,000 ¹	NA	NA	NA	NA
Mn-54	1,000	NA	30,000	NA	NA
Fe-59	400	NA	10,000	NA	NA
Co-58	1,000	NA	30,000	NA	NA
Co-60	300	NA	10,000	NA	NA
Zn-65	300	NA	20,000	NA	NA
Zr-Nb-95	400	NA	NA	NA	NA
I-131	2 ²	0.9	NA	3	100
Cs-134	30	10	1,000	60	1,000
Cs-137	50	20	2,000	70	2,000
Ba-La-140	200	NA	NA	300	NA

Table 7, Maximum Values for the Lower Limit of Detection

Radionuclide	Water (pCi/L)	Air Particulates or Gases (pCi/m ³)	Fish (pCi/kg-wet)	Milk (pCi/L)	Food Products (pCi/Kg-wet)	Sediment (pCi/Kg-dry)
H-3	2,000 ³	NA	NA	NA	NA	NA
Mn-54	15	NA	130	NA	NA	NA
Fe-59	30	NA	260	NA	NA	NA
Co-58, Co-60	15	NA	130	NA	NA	NA
Zn-65	30	NA	260	NA	NA	NA
Zr-Nb-95	15	NA	NA	NA	NA	NA
I-131	1 ⁴	0.07	NA	1	60	NA
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180
Ba-La-140	15	NA	NA	15	NA	NA

¹ For drinking water samples: If no drinking water pathway exists, a value of 30,000 pCi/L may be used.

² If no drinking water pathway exists, a value of 20 pCi/L may be used

³ If no drinking water pathway exists, a value of 3,000 pCi/L may be used. Some states may require a lower LLD for drinking water sources- per 40CFR141 Safe drinking water Act.

⁴ If no drinking water pathway exists, a value of 15 pCi/L may be used

7.0 SAMPLING PROGRAM, PROGRAM MODIFICATION AND INTEPRETATION OF RESULTS

At most nuclear stations, data was collected prior to plant operation to determine background radioactivity levels in the environment. Annual data is routinely compared to preoperational and/or 10-year average values to determine if changes in the environs are present. Strict comparison is difficult to make due to fallout from historical nuclear weapon testing. Cesium-137 can be routinely found in environmental samples as a result of above ground nuclear weapons testing. It is important to note, levels of Cs-137 in environment are observed to fluctuate, for example as silt distributions shift due to natural erosion and transport processes, Cs-137 may or may not be observed in sediment samples. Results from samples collected and analyzed during the year, 2022, are described below.

In the following sections, results from direct radiation, air, water, and food products analyzed as part of REMP in 2022 will be discussed. Sampling program descriptions and deviations will also be discussed.

7.1 Environmental Direct Radiation Dosimetry Sample Results

Dose is measured as net exposure (field reading less transit reading) normalized to 91-day quarters. Data is treated and analyzed consistent with American National Standards Institute (ANSI)/Health Physics Society (HPS) N13.37-2014, which compares the measured dose for each location to the baseline background dose for that location. Environmental dose rates vary by location, depending on geological and land use considerations, and remain relatively constant for any given location (unless land use changes). Some facilities observe seasonal variation in environmental doses. Baseline Background Doses have been determined for both quarterly and annual measurements at each location using historical field measurements. Minimum Differential Doses for Annual and Quarterly periods have been determined based on 3-times the 90th percentile standard deviation for monitoring locations. Doses that exceed the Minimum Differential Dose value above the Baseline Background Dose are considered Facility-Related Dose; a quality assurance review is performed to verify that any results indicating Facility-Related Dose are accurate.

ANSI/HPS N13.37-2014 uses the concept of minimum differential dose (MDD), which is the minimum facility-related dose that can be detected above the baseline background. Due to natural background variations and measurement sensitivities and uncertainties, minimum differential dose is not zero. Sequoyah data indicate a MDD based on the historical baseline measurements. If a dosimeter indicates dose greater than background plus MDD, then the net dose (above background) is reported as Facility Related Dose.

During this calendar year 2022, a total of 384 samples were collected and analyzed in accordance with the requirements in Table 1, Radiological Environmental Sampling Program – Exposure Pathway - Airborne. Attachment 4, Environmental Direct Radiation Dosimetry Sample Results, includes the annual direct radiation dosimetry sample results.

The Landauer InLight environmental dosimeter is used in the radiological environmental monitoring program for the measurement of direct radiation. This dosimeter contains four elements consisting of aluminum oxide detectors with open windows as well as plastic and copper filters. The dosimeter is processed using optically stimulated luminescence (OSL) technology to determine the amount of radiation exposure.

The dosimeters are placed approximately one meter above the ground, with two at each monitoring location. Sixteen monitoring points are located around the plant near the site boundary, one location in each of the 16 compass sectors. One monitoring point is also located in each of the 16 compass sectors at approximately four to five miles from the plant.

Dosimeters are also placed at additional monitoring locations out to approximately 32 miles from the site. The dosimeters are exchanged every three months. The dosimeters are sent to Landauer for processing and results reporting. The values are corrected for transit and shielded background exposure. An average of the two dosimeter results is calculated for each monitoring point. The environmental dosimetry program is conducted following the specifications outlined in American National Standards Institute (ANSI) and Health Physics Society (HPS) ANSI/HPS N13.37-2014 for environmental applications of dosimeters.

For reporting dose, all results for environmental dosimeter measurements are normalized to a standard quarter (91 days). In general, two direct radiation measurements are taken in each meteorological sector: one "inner ring" location within approximately 2 miles from the plant, and one "outer ring" location approximately 5 miles from the plant. In addition, control dosimeters are placed at locations further from the plant (approximately 10 – 30 miles).

Beginning in 2021, the SQN environmental dosimeters were evaluated following the guidance of ANSI N13.37-2014. The process of this evaluation is summarized below:

1. The average field dosimeter result is determined for each location and normalized to a standard quarter (91 days)
2. The field result is adjusted by the transit and shield (storage) dose to determine the net dose at each location. This is performed at each location for each quarter, and the four quarters are summed to determine the annual net dose.
3. The quarterly and annual historical average net dose were determined for each monitoring location, based on data from 2017 – 2021.
4. The standard deviation of each historical net dose is calculated, to determine the 90th percentile standard deviation for both the quarterly and annual results.

Annual Environmental Operating Report	YEAR: 2022	Page 21 of 332
Company: Tennessee Valley Authority	Plant: Sequoyah	

5. The 2022 quarterly and annual net doses are compared to the historical averages (plus 3 times the 90th percentile standard deviation, also known as the minimum differential dose) to determine if any facility related dose was identified at any location during any quarter or the year.

The result of the evaluation of environmental dosimeters is that there is no facility related dose measured in the environment around Sequoyah. There were no quarterly or annual dosimeters that exceeded the historical baseline plus the calculated minimum differential dose.

7.2 Airborne Pathway Sampling Results

7.2.1 Air Particulate and Radioiodine

Air particulate filters and charcoal canisters were collected from locations specified in Table 1, Radiological Environmental Sampling Program – Exposure Pathway - Airborne. During this calendar year 2022, a total of 1248 samples were collected and analyzed for gross beta, gamma emitters and iodine. Particulate samplers are used to analyze for gross beta activity following filter change out which occurs weekly. Gamma isotopic analysis is performed on composite samples collected at each location and is analyzed quarterly. Radioiodine (I-131) analysis is performed weekly on radioiodine sample cartridges.

Gross beta particulate samples will identify airborne radioactive materials, including ambient background from naturally occurring radioactive materials. The results in 2022 are consistent with previous results, and the radioactivity can be attributed to natural radioactivity. In 2022, there were no air particulate samples that identified any plant related radionuclides by gamma spectroscopy. There were no charcoal radioiodine samples that detected quantifiable radioiodine.

Refer to Figure 5: Air Particulate: Analysis for Gross Beta, Average Mean for All Indicator Vs. Control, for air particulate/ radioiodine sample trends.

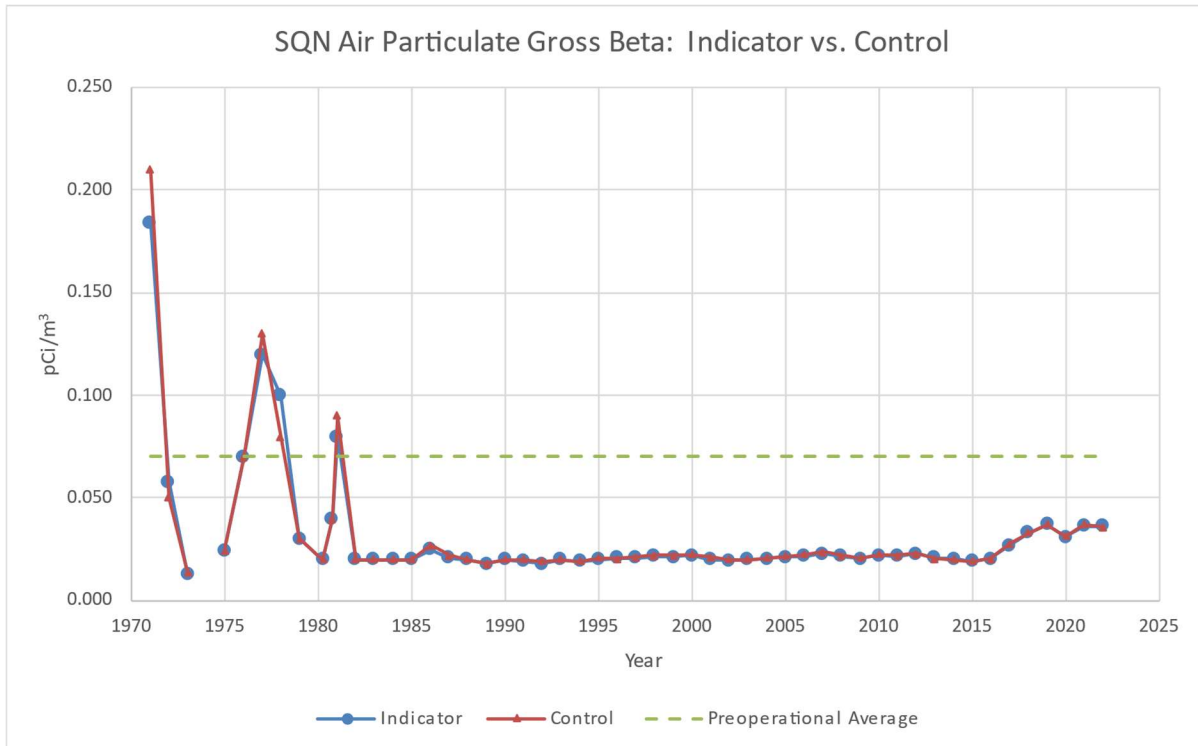


Figure 5: Air Particulate: Analysis for Gross Beta, Average Mean for All Indicator Vs. Control

Air particulate and radioiodine results from this monitoring period, 2022, were compared to preoperational data as shown in Figure 5, and there were no significant changes. Beginning in 1971, the calibration source was changed to Tc-99, accounting for the increase in beta air particulate results.

7.2.2 Soil

Soil samples were collected from locations specified in Table 1, Radiological Environmental Sampling Program – Exposure Pathway - Airborne. During this calendar year 2022, a total of 13 samples were collected and analyzed for gamma emitters and Sr-89/90.

The gamma analysis of soil samples detected Cs-137 at five indicator and three control locations. The measured concentrations of Cs-137 were consistent with levels previously reported from fallout. All other radionuclides reported were naturally occurring isotopes. The single highest soil radioactivity was from a control location sample at 0.419 pCi/g for Cs-137.

The concentrations of Cs-137 in soil are steadily decreasing due to the cessation of weapons testing in the atmosphere, the 30-year half-life of Cs-137 and transport through the environment.

Refer to Figure 6, Soil Cs-137 Radioactivity, Indicator vs. Control, for soil Cs-137 radioactivity trend.

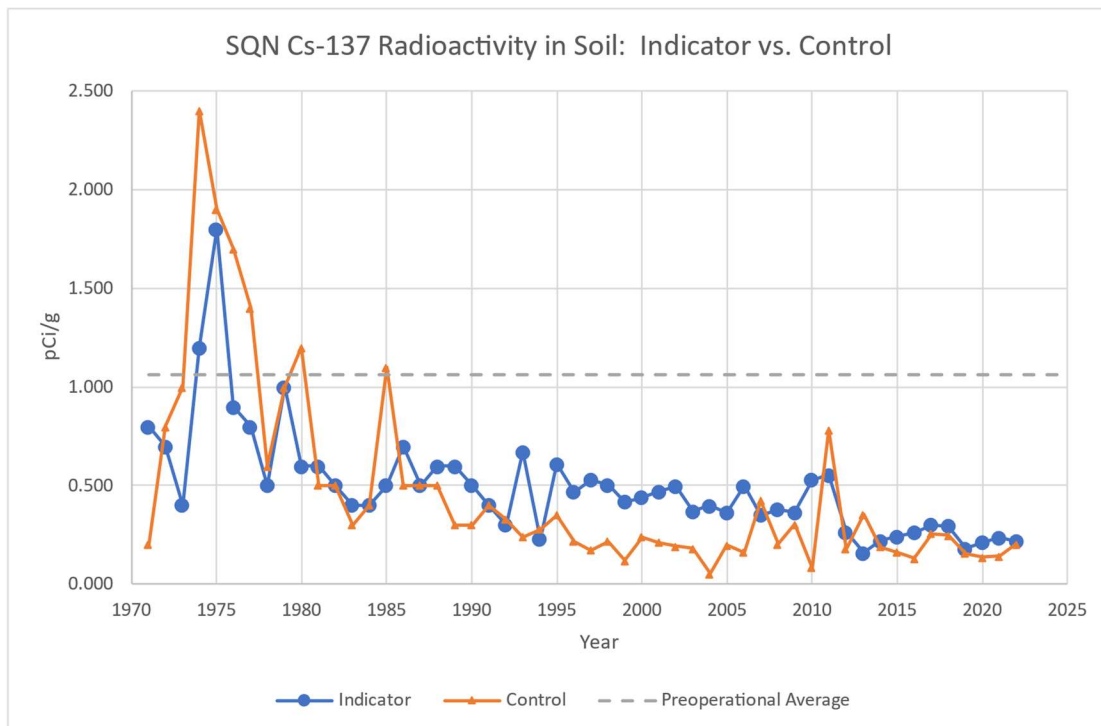


Figure 6, Soil Cs-137 Radioactivity, Indicator vs. Control

7.3 Waterborne Sample Results

7.3.1 Surface Water (Tennessee River)

Composite water samples are collected monthly at the upstream control location and at the downstream indicator locations. Monthly composite samples are analyzed for gamma emitters. Aliquots from the monthly composites are combined to form a quarterly composites which is then analyzed for tritium. During this calendar year 2022, a total of 25 surface water samples were collected and analyzed in accordance with the requirements in the ODCM and shown in Table 3, Radiological Environmental Sampling Program – Exposure Pathway - Waterborne. No samples identified plant related radionuclides via gamma spectroscopy. Two of the control samples (from location RM-2) were positive for tritium, up to 631 pCi/L. This is consistent with past results, where this location historically has been intermittently positive for low levels of tritium. This location is a control location for SQN but is an indicator location for the Watts Bar nuclear site.

7.3.2 REMP Groundwater (Offsite Impact Monitoring)

Groundwater samples were collected from control location upgradient from the plant and indicator location down gradient from the plant. During this calendar year 2022, a total of 7 groundwater water samples were collected from offsite monitoring wells and analyzed in accordance with the requirements in the ODCM and shown in Table 3: Radiological Environmental Sampling Program – Exposure Pathway - Waterborne. A total of 4 control samples and a total of 3 indicator samples were collected. These samples were analyzed for gross beta, tritium and gamma quarterly. Groundwater is sampled from an onsite well using an automatic composite sampler; and a grab sample is collected quarterly from a private well in an area unaffected by SQN.

In summary, no plant-related radioactivity was measured in the groundwater samples. No fission or activation products were detected by the gamma spectroscopy analyses performed on groundwater samples from the REMP monitoring locations. Tritium was not detected in any collected ground water samples. No gross beta activity was detected for indicator location samples, but gross beta was identified in the offsite well control location, averaging 8.3 pCi/liter. These gross beta levels are representative of the levels typically found in groundwater around SQN and can be attributed to natural radioactivity. Tritium or gamma radionuclides have not been identified in the last 5 years of REMP sampling.

7.3.3 Drinking Water

A total of 52 drinking water samples were obtained in 2022. These samples were analyzed for gross beta and gamma analysis monthly and tritium quarterly in accordance with requirements in the ODCM and shown in Table 3, Radiological Environmental Sampling Program – Exposure Pathway - Waterborne. There were no fission or activation products identified by the gamma spectroscopy of drinking water samples. Tritium activity was identified in some control drinking water samples. The tritium concentrations in two samples from the control location averaged 460 pCi/liter (maximum of 631 pCi/L). These tritium levels represented a small fraction of the EPA drinking water limit of 20,000 pCi/liter. The values were consistent with previously reported values, where tritium has intermittently been identified in SQN drinking water samples. One indicator sample was positive for gross beta at 4.25 pCi/liter. The gross beta results are consistent with past samples, where occasionally these samples are positive for gross beta. This level is not atypical of natural radioactivity levels and is not considered indicative of a contribution from the power plant.

7.3.4 Sediment from Shoreline

Shoreline sediment collections were made in April and October 2022 and analyzed for gamma emitting radionuclides. A total of 6 shoreline samples were taken at 2 indicator and one control location. The samples were analyzed in accordance with requirements in the ODCM and shown in Table 3, Radiological Environmental Sampling Program – Exposure Pathway - Waterborne.

No fission or activation products were detected by the gamma spectroscopy performed on shoreline sediment samples from the REMP monitoring locations. All other radionuclides reported were naturally occurring isotopes.

7.4 Ingestion Pathway Sample Results

7.4.1 Fish

A total of 10 fish samples were collected in 2022. These samples were analyzed for gamma emitting radionuclides in edible portions, in accordance with requirements of the ODCM and summarized in Table 4, Radiological Environmental Sampling Program – Exposure Pathway - Ingestion. These samples are collected from the indicator and control areas as required by the ODCM.

Game fish (largemouth bass) and commercial fish (channel catfish) were sampled and analyzed from both control and indicator locations. No fission or activation products were identified in any of the samples.

7.4.2 Food Products

A total of 12 food samples were analyzed in 2022, for gamma emitting radionuclides in edible portions in accordance with requirements of the ODCM, as summarized in Table 4, Radiological Environmental Sampling Program – Exposure Pathway - Ingestion. The food products include crops raised by individual gardens in the area near the plant, and similar products grown in areas not affected by the plant.

Radionuclides reported in food samples were all naturally occurring. Analysis of these samples indicated no contribution from plant activities.

7.4.3 Leafy Vegetation

In accordance with the ODCM and as described in Table 4, Radiological Environmental Sampling Program – Exposure Pathway - Ingestion, 24 vegetation samples were collected in lieu of milk sampling. Samples are collected and analyzed for gamma isotopic and I-131 from the indicator and control locations monthly.

The wet vegetation samples collected in 2022 did not identify any plant related radionuclides.

8.0 **LAND USE CENSUS**

Annual Land Use Census required by the Offsite Dose Calculation Manual is performed to ensure that changes in the use of areas at or beyond the site boundary are identified and modifications to REMP are made if required by changes in land use. Land use census satisfies the requirements of Section IV.B.3 of Appendix I to 10 CFR 50 [2]. NUREG-1301/1302 Control 3.12.2 specifies that "a land use census shall be conducted and shall identify within a distance of 8 km (5 mi.) the location in each of the 16 meteorological sectors of the nearest milk animal, the nearest residence and the nearest garden of greater than 50 m² (500 ft²) producing broad leaf vegetation."

A Land Use Census was conducted during the calendar year, 2022, within the growing season to identify changes in land use, receptor locations, and new exposure pathways. The results for the 2022 Land Use Census are listed in Table 8: Land Use Census.

The location of the nearest resident changed in one sector in 2022. The location of the nearest garden greater than 500 ft² was updated in four sectors. These changes were evaluated considering the pathways of exposure and ODCM requirements, to determine if it presents a potentially higher dose pathway than currently included in REMP sampling. This evaluation determined that no changes were required to the sampling locations or sampling media as currently specified in the SQN REMP.

Table 8: Land Use Census

Sector	Direction	Nearest Residence (meters)	Nearest Garden (meters)	Nearest Milk Animal (meters)
1	N	1389	3583	-
2	NNE	2456	3770	-
3	NE	3400	6230	-
4	ENE	2127	5220	-
5	E	1732	5370	-
6	ESE	1693	1851	-
7	SE	1721	3321	-
8	SSE	2073	2330	-
9	S	1764	4010	-
10	SSW	2129	4363	-
11	SW	2220	4920	-
12	WSW	1036	1152	-
13	W	982	2491	-
14	WNW	624	5363	-
15	NW	1316	1316	-
16	NNW	864	2520	-

9.0 SAMPLE DEVIATIONS, ANOMALIES AND UNAVAILABILITY

Sampling and analysis are performed for media types addressed in the Offsite Dose Calculation Manual. Sampling and analysis challenges may be experienced due to a multitude of reasons including environmental factors, loss of dosimeters, etc. To aid classification of sampling and analysis challenges experienced in 2022, the following three terms are used to describe the issues: Sample Anomalies (SA), Sample Deviation (SD), and Unavailable Samples (US).

Media that experienced downtime (i.e., air samplers or water samplers) during a surveillance period are classified a "Sample Deviation". "Sample Anomalies" are defined as errors that were introduced to a sample once it arrived in the laboratory, errors that prevents the sample from being analyzed as it normally would, or may have altered the outcome of the analysis (i.e., cross contamination, human error).

"Sample Unavailability" is defined as sample collection with no available sample (i.e., food crop, lost or stolen dosimeter).

All required samples were collected and analyzed as scheduled except for the following:

Table 9: Sample Deviation Summary				
Sample Type and Analysis	Location	Collection Date or Period	Reason for not conducting REMP sampling as required by ODCM	Plans for preventing reoccurrence
Direct Radiation	SQNNW-2	Q2	CR 1789587. OSLs missing during quarterly changeout	Dosimeters replaced
Ground Water	Well 6	Q4	CR 1811466. Radiological Environmental Monitoring Program (REMP) Well-6 sampling pump was found without power during September check (ref. CR#1800691). Power was not restored in time to collect the Offsite Dose Calculation Manual (ODCM) and NUREG 1301 required quarterly sample for Quarter 4 of 2022	Power restored

10.0 OTHER SUPPLEMENTAL INFORMATION

10.1 NEI 07-07 Onsite Radiological Groundwater Monitoring Program

Sequoyah has developed a Groundwater Protection Initiative (GPI) program in accordance with NEI 07-07, Industry Ground Water Protection Initiative – Final Guidance Document. The purpose of the GPI is to ensure timely detection and an effective response to situations involving inadvertent radiological releases to groundwater in order to prevent migration of licensed radioactive material off-site and to quantify impacts on decommissioning. It is important to note, samples and results taken in support of NEI 07-07 groundwater monitoring program are not part of the Radiological Environmental Monitoring Program (REMP). Results of NEI 07-07 Radiological Groundwater Monitoring Program for onsite Wells are communicated in the ARERR.

10.2 Corrections to Previous Reports

- There are no identified errors or corrections required for previous AREORs.

Annual Environmental Operating Report		YEAR: 2022	Page 29 of 332
Company: Tennessee Valley Authority		Plant: Sequoyah	

11.0 BIBLIOGRAPHY

- [1] NCRP, "Report No. 160, Ionizing Radiation Exposure of the Population of the United States," National Council on Radiation Protection, Bethesda, 2009.
- [2] "10 CFR 50, "Domestic Licensing of Production and Utilization Facilities", " US Nuclear Regulatory Commission, Washington, DC.
- [3] "Regulatory Guide 4.1, "Radiological Environmental Monitoring for Nuclear Power Plants", Revision 2," Nuclear Regulatory Commission, 2009.
- [4] "NUREG-1301, "Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Pressurized Water Reactors," .," Nuclear Regulatory Commission, April 1991.
- [5] "NUREG-1302, "Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Boiling Water Reactors,"," Nuclear Regulatory Commission, April 1991.
- [6] "Branch Technical Position, Revision 1," NRC000096, Submitted March 30, 2012, November 1979.
- [7] "Japan Atomic Energy Agency," 06 November 2020. [Online]. Available: https://www.jaea.go.jp/english/04/ntokai/houkan/houkan_02.html.
- [8] "Regulatory Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Inception through Normal Operations to License Termination) -- Effluent Streams and the Environment," Nuclear Regulatory Commission, July, 2007.
- [9] "Regulatory Guide 4.13, Performance, Testing, and Procedural Specifications for Thermoluminescence Dosimetry: Environmental Applications, Revision 2," Nuclear Regulatory Commission, June, 2019.
- [10] TVA, "Sequoyah Nuclear Plant Offsite Dose Calculation Manual Revision 64," 2022.
- [11] "NUREG/CR-2919, "XOQDOQ Computer Program for the Meteorological Evaluation of Routine Effluent Releases at Nuclear Power Stations,"," Nuclear Regulatory Commission, September, 1982.
- [12] "Measurements of Radionuclides in the environment Sampling and Analysis of plutonium in soil," Nuclear Regulatory Commission, 1974.
- [13] "Ionizing Radiation Exposure of the Population of the United States," Bethesda, MD, 2009.
- [14] Nuclear Regulatory Commission, 30 June 2015. [Online]. Available: <http://www.nrc.gov/reading-rm/basic-ref/students/animated-pwr.html>. [Accessed October 2020].
- [15] "ICRP Publication 60, "ICRP Publication 60: 1990 Recommendations of the International Commission on Radiological Protection, 60," Annals of the ICRP Volume 21/1-3,," International Commission on Radiation Protection, October, 1991.
- [16] "NRC Resource Page," [Online]. Available: <http://www.nrc.gov/about-nrc/radiation.html>. [Accessed 10 November 2020].
- [17] "NUREG-0133, Preparation of Effluent Technical Specifications for Nuclear Power Plants," Nuclear Regulatory Commission, 1987.
- [18] "Regulatory Guide 1.109, "Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Demonstrating Compliance with 10 CFR Part 50, Appendix I,," Nuclear Regulatory Commission, October, 1977.
- [19] [Online]. Available: <http://hps.org/hpspublications/radiationfactsheets.html>. [Accessed 2020].
- [20] "NEI 07-07, "Industry Ground Water Protection Initiative—Final Guidance Document,"," Nuclear Energy Institute, Washington, D.C..

Annual Environmental Operating Report		YEAR: 2022	Page 30 of 332
Company: Tennessee Valley Authority		Plant: Sequoyah	

- [21] "ANSI 13.37, Environmental Dosimetry- Criteria for System Design and Implementation," Health Physics Society (HPS), May, 2019.
- [22] "40 CFR Part 141, "National Primary Drinking Water Regulations," " US Environmental Protection Agency, Washington, DC..
- [23] Nuclear Regulatory Commission, 25 June 2015. [Online]. Available: <http://www.nrc.gov/reading-rm/basic-ref/students/animated-bwr.html>. [Accessed October 2020].
- [24] "NEI 07-07, "Industry Ground Water Protection Initiative—Final Guidance Document," Rev. 1," Nuclear Energy Institute, Washington, D.C., 2019.
- [25] Nuclear Regulatory Commission, 25 June 2015. [Online]. Available: <http://www.nrc.gov/reading-rm/basic-ref/students/animated-bwr.html>. [Accessed October 2020].
- [26] [Online]. Available: <http://hps.org/hpspublications/radiationfactsheets.html>. [Accessed 2020].
- [27] "Japan Atomic Energy Agency," 06 November 2020. [Online]. Available: https://www.jaea.go.jp/english/04/ntokai/houkan/houkan_02.html.
- [28] "NRC Resource Page," [Online]. Available: <http://www.nrc.gov/about-nrc/radiation.html>. [Accessed 10 November 2020].
- [29] "NUREG-0133, Preparation of Effluent Technical Specifications for Nuclear Power Plants," Nuclear Regulatory Commission, 1987.
- [30] Nuclear Regulatory Commission, 30 June 2015. [Online]. Available: <http://www.nrc.gov/reading-rm/basic-ref/students/animated-pwr.html>. [Accessed October 2020].
- [31] "Regulatory Guide 4.13, Performance, Testing, and Procedural Specifications for Thermoluminescence Dosimetry: Environmental Applications, Revision 2," Nuclear Regulatory Commission, June, 2019.
- [32] "Regulatory Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Inception through Normal Operations to License Termination) -- Effluent Streams and the Environment," Nuclear Regulatory Commission, July, 2007.
- [33] "10 CFR 50 - Domestic Licensing of Production and Utilization Facilities," US Nuclear Regulatory Commission, Washington, DC.
- [34] "40 CFR 190 - Environmental Radiation Protection Standards for Nuclear Power Operation," US Environmental Protection Agency, Washington, DC.
- [35] "NUREG-0324 - XOQDOQ, Program for the Meteorological Evaluation of Routine Effluent Releases at Nuclear Power Stations," Nuclear Regulatory Commission, September, 1977.
- [36] "NCRP Report No. 160 - Ionizing Radiation Exposure of the Population of the United States," National Council on Radiation Protection and Measurements, Bethesda, MD, 2009.
- [37] "Regulatory Guide 1.109 - Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Demonstrating Compliance with 10 CFR Part 50, Appendix I," Nuclear Regulatory Commission, October, 1977.
- [38] "40 CFR 141 - National Primary Drinking Water Regulations," US Environmental Protection Agency, Washington, DC..
- [39] "10 CFR 20 - Standards for Protection Against Radiation," US Nuclear Regulatory Commission, Washington, DC.

Attachment 1, Data Table Summary

Medium or Pathway Sampled (Units)	Type, Total Number of Analyses performed (e.g., I-131, 400)	Lower Limit of Detection (LLD)	Indicator Mean ⁵ ; (f ⁶). Range	Location with Highest Annual Mean		Control Mean (f) Range	Number of Nonroutine Reported Measurements
				Name Distance and Direction	Mean (f) Range		
Air Particulates (pCi/m ³)	Gross Beta, 624	0.01	0.036 (416/416) 0.017 – 0.087	RM-4 (control) 20.0 miles NW	0.0378 (52/52) 0.018-0.053	0.036 (208/208) 0.013 – 0.061	0
	Gamma Isotopic, 156	Various	< LLD (0/104) N/A	N/A	N/A	< LLD (0/52) N/A	0
Airborne Radioiodine (pCi/m ³)	I-131, 624	0.07	< LLD (416/416) N/A	N/A	N/A	< LLD (208/208) N/A	0
Direct Radiation (mR/Qtr.)	Gamma Dose, 382	N/A	< MDD	N/A	N/A	< MDD	1
Soil (pCi/kg)	Gamma Isotopic, 13	Various	< LLD (0/8)	N/A	N/A	< LLD (0/5)	0
	Cs-137, 13	180	217 (5/8) 81 – 372	RM-1 (control) 16.7 miles SW	419 (1/1) 419 - 419	205 (3/5) 93 - 419	0
	Sr-89, 13	N/A	< LLD (0/8) N/A	N/A	N/A	< LLD (0/5) N/A	0
	Sr-90, 13	N/A	< LLD (0/8) N/A	N/A	N/A	< LLD (0/5) N/A	0

⁵ Mean and range are based on detectable measurements only.

⁶ Fraction of detectable measurements at specified locations is indicated in parentheses.

Medium or Pathway Sampled (Units)	Type, Total Number of Analyses performed (e.g., I-131, 400)	Lower Limit of Detection (LLD)	Indicator Mean ⁵ ; (f ⁶). Range	Location with Highest Annual Mean		Control Mean (f) Range	Number of Nonroutine Reported Measurements
				Name Distance and Direction	Mean (f) Range		
Vegetation (pCi/kg-wet)	Gamma Isotopic, 24	Various	< LLD (0/12) N/A	N/A	N/A	< LLD (0/12) N/A	0
	I-131, 24	N/A	< LLD (0/12) N/A	N/A	N/A	< LLD (0/12) N/A	0
Food Products (pCi/kg)	Gamma Isotopic, 12	Various	< LLD (0/6) N/A	N/A	N/A	< LLD (0/6) N/A	0
Surface Water (pCi/L)	Gamma Isotopic, 25	Various	< LLD (0/12) N/A	N/A	N/A	< LLD (0/13) N/A	0
	Tritium, 20	2000	< LLD (0/3) N/A	RM-2 (Control) 15.0 Miles SW	460 (2/17) 289 - 631	460 (2/17) 289 - 631	0
Drinking Water (pCi/L)	Gross Beta, 52	4.0	< LLD (0/39) N/A	N/A	N/A	< LLD (0/13) N/A	0
	Gamma Isotopic, 52	Various	< LLD (0/39) N/A	N/A	N/A	< LLD (0/13) N/A	0
	Tritium, 29	2000	< LLD (0/12) N/A	N/A	N/A	460 (2/17) 289 - 631	0

Medium or Pathway Sampled (Units)	Type, Total Number of Analyses performed (e.g., I-131, 400)	Lower Limit of Detection (LLD)	Indicator Mean ⁵ ; (f ⁶). Range	Location with Highest Annual Mean		Control Mean (f) Range	Number of Nonroutine Reported Measurements
				Name Distance and Direction	Mean (f) Range		
Ground Water (pCi/L)	Gross Beta, 7	4.0	< LLD (0/3) N/A	N/A	N/A	8.3 (4/4) 5.6 – 11.1	0
	Gamma Isotopic, 7	Various	< LLD (0/3) N/A	N/A	N/A	< LLD (0/4) N/A	0
	Tritium, 29	2000	< LLD (0/3) N/A	N/A	N/A	< LLD (0/4) N/A	0
Fish (pCi/kg-wet)	Gamma Isotopic, 10	Various	< LLD (0/6) N/A	N/A	N/A	< LLD (0/4) N/A	0
Shoreline Sediment (pCi/kg-dry)	Gamma Isotopic, 6	Various	< LLD (0/4) N/A	N/A	N/A	< LLD (0/2) N/A	0
	Sr-89, 6	N/A	< LLD (0/4) N/A	N/A	N/A	< LLD (0/2) N/A	0
	Sr-90, 6	N/A	< LLD (0/4) N/A	N/A	N/A	< LLD (0/2) N/A	0

Attachment 2, Complete Data Table for All Analysis Results Obtained In 2022

Table 10: Complete REMP Results – Air Particulate (pCi/m ³)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	571519001	1/24/2022	Actinium-228	5.92E-04	9.73E-04	3.39E-03	pCi/m3	U
2102	575119001	2/22/2022	Actinium-228	4.49E-03	1.45E-03	4.49E-03	pCi/m3	U
2102	580222001	3/21/2022	Actinium-228	2.38E-03	2.00E-03	6.17E-03	pCi/m3	U
2102	582716001	4/18/2022	Actinium-228	2.93E-03	1.69E-03	4.09E-03	pCi/m3	U
2102	585173001	5/16/2022	Actinium-228	-4.07E-04	1.04E-03	3.11E-03	pCi/m3	U
2102	587312003	6/13/2022	Actinium-228	4.62E-03	2.05E-03	7.75E-03	pCi/m3	U
2102	592755002	7/11/2022	Actinium-228	2.67E-03	1.23E-03	3.77E-03	pCi/m3	U
2102	594667001	8/8/2022	Actinium-228	1.54E-03	1.02E-03	3.84E-03	pCi/m3	U
2102	600159003	9/6/2022	Actinium-228	3.87E-04	1.72E-03	4.86E-03	pCi/m3	U
2102	600160003	10/4/2022	Actinium-228	-1.21E-05	1.11E-03	3.56E-03	pCi/m3	U
2102	606088003	10/31/2022	Actinium-228	-1.63E-03	1.22E-03	3.87E-03	pCi/m3	U
2102	606540003	11/28/2022	Actinium-228	2.00E-04	1.34E-03	4.24E-03	pCi/m3	U
2102	609503003	12/27/2022	Actinium-228	1.36E-03	1.30E-03	3.27E-03	pCi/m3	U
2102	571519001	1/24/2022	Americium-241	2.14E-04	7.21E-04	2.43E-03	pCi/m3	U
2102	575119001	2/22/2022	Americium-241	-1.42E-03	9.15E-04	2.81E-03	pCi/m3	U
2102	580222001	3/21/2022	Americium-241	6.38E-04	8.12E-04	2.91E-03	pCi/m3	U
2102	582716001	4/18/2022	Americium-241	-1.75E-04	4.98E-04	1.50E-03	pCi/m3	U
2102	585173001	5/16/2022	Americium-241	8.11E-04	5.69E-04	2.04E-03	pCi/m3	U
2102	587312003	6/13/2022	Americium-241	5.80E-04	6.94E-04	1.96E-03	pCi/m3	U
2102	592755002	7/11/2022	Americium-241	-1.12E-03	7.39E-04	2.25E-03	pCi/m3	U
2102	594667001	8/8/2022	Americium-241	6.72E-04	1.15E-03	4.08E-03	pCi/m3	U
2102	600159003	9/6/2022	Americium-241	-1.24E-03	8.38E-04	2.56E-03	pCi/m3	U
2102	600160003	10/4/2022	Americium-241	-2.11E-04	6.18E-04	1.76E-03	pCi/m3	U
2102	606088003	10/31/2022	Americium-241	1.78E-04	1.19E-03	4.03E-03	pCi/m3	U
2102	606540003	11/28/2022	Americium-241	5.11E-04	8.36E-04	2.61E-03	pCi/m3	U
2102	609503003	12/27/2022	Americium-241	1.26E-03	7.58E-04	2.77E-03	pCi/m3	U
2102	571519001	1/24/2022	Antimony-124	-6.79E-04	7.31E-04	1.86E-03	pCi/m3	U
2102	575119001	2/22/2022	Antimony-124	-4.12E-04	5.72E-04	1.56E-03	pCi/m3	U
2102	580222001	3/21/2022	Antimony-124	-1.70E-03	1.74E-03	4.54E-03	pCi/m3	U
2102	582716001	4/18/2022	Antimony-124	1.27E-03	7.54E-04	3.25E-03	pCi/m3	U
2102	585173001	5/16/2022	Antimony-124	7.41E-04	1.17E-03	4.16E-03	pCi/m3	U
2102	587312003	6/13/2022	Antimony-124	-1.10E-04	1.28E-03	4.07E-03	pCi/m3	U
2102	592755002	7/11/2022	Antimony-124	1.30E-05	9.10E-04	3.02E-03	pCi/m3	U
2102	594667001	8/8/2022	Antimony-124	7.57E-05	1.25E-03	4.20E-03	pCi/m3	U
2102	600159003	9/6/2022	Antimony-124	-4.37E-04	9.30E-04	2.71E-03	pCi/m3	U
2102	600160003	10/4/2022	Antimony-124	-1.86E-03	8.54E-04	1.28E-03	pCi/m3	U
2102	606088003	10/31/2022	Antimony-124	7.46E-04	1.04E-03	3.72E-03	pCi/m3	U
2102	606540003	11/28/2022	Antimony-124	1.39E-03	1.00E-03	4.02E-03	pCi/m3	U
2102	609503003	12/27/2022	Antimony-124	-2.77E-04	9.93E-04	3.15E-03	pCi/m3	U
2102	571519001	1/24/2022	Antimony-125	-5.77E-04	5.06E-04	1.54E-03	pCi/m3	U
2102	575119001	2/22/2022	Antimony-125	3.17E-04	4.21E-04	1.49E-03	pCi/m3	U
2102	580222001	3/21/2022	Antimony-125	3.83E-05	8.26E-04	2.82E-03	pCi/m3	U
2102	582716001	4/18/2022	Antimony-125	-7.78E-05	5.01E-04	1.64E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2102	585173001	5/16/2022	Antimony-125	-2.79E-04	5.26E-04	1.69E-03	pCi/m3	U
2102	587312003	6/13/2022	Antimony-125	-5.32E-04	8.15E-04	2.59E-03	pCi/m3	U
2102	592755002	7/11/2022	Antimony-125	-8.28E-04	5.46E-04	1.65E-03	pCi/m3	U
2102	594667001	8/8/2022	Antimony-125	4.25E-04	5.57E-04	1.92E-03	pCi/m3	U
2102	600159003	9/6/2022	Antimony-125	6.90E-04	6.04E-04	2.18E-03	pCi/m3	U
2102	600160003	10/4/2022	Antimony-125	-5.43E-05	5.66E-04	1.83E-03	pCi/m3	U
2102	606088003	10/31/2022	Antimony-125	-4.59E-04	5.95E-04	1.80E-03	pCi/m3	U
2102	606540003	11/28/2022	Antimony-125	-8.82E-04	6.59E-04	1.91E-03	pCi/m3	U
2102	609503003	12/27/2022	Antimony-125	2.53E-04	4.71E-04	1.66E-03	pCi/m3	U
2102	571519001	1/24/2022	Barium-140	4.36E-03	5.96E-03	2.08E-02	pCi/m3	U
2102	575119001	2/22/2022	Barium-140	2.19E-03	6.06E-03	2.05E-02	pCi/m3	U
2102	580222001	3/21/2022	Barium-140	-7.59E-03	2.12E-02	6.84E-02	pCi/m3	U
2102	582716001	4/18/2022	Barium-140	1.53E-02	1.45E-02	5.14E-02	pCi/m3	U
2102	585173001	5/16/2022	Barium-140	2.03E-03	1.14E-02	3.82E-02	pCi/m3	U
2102	587312003	6/13/2022	Barium-140	-3.08E-03	1.40E-02	4.53E-02	pCi/m3	U
2102	592755002	7/11/2022	Barium-140	-2.08E-02	3.44E-02	1.09E-01	pCi/m3	U
2102	594667001	8/8/2022	Barium-140	9.90E-03	1.29E-02	4.02E-02	pCi/m3	U
2102	600159003	9/6/2022	Barium-140	2.91E-02	2.82E-02	1.01E-01	pCi/m3	U
2102	600160003	10/4/2022	Barium-140	-5.60E-03	5.23E-03	1.50E-02	pCi/m3	U
2102	606088003	10/31/2022	Barium-140	3.69E-03	2.51E-02	8.46E-02	pCi/m3	U
2102	606540003	11/28/2022	Barium-140	-5.83E-03	7.84E-03	2.35E-02	pCi/m3	U
2102	609503003	12/27/2022	Barium-140	3.99E-04	4.08E-03	1.25E-02	pCi/m3	U
2102	571519001	1/24/2022	Beryllium-7	1.13E-01	7.39E-03	6.66E-03	pCi/m3	U
2102	575119001	2/22/2022	Beryllium-7	1.40E-01	9.16E-03	9.05E-03	pCi/m3	U
2102	580222001	3/21/2022	Beryllium-7	9.85E-02	1.29E-02	1.64E-02	pCi/m3	U
2102	582716001	4/18/2022	Beryllium-7	1.52E-01	1.12E-02	1.10E-02	pCi/m3	U
2102	585173001	5/16/2022	Beryllium-7	1.44E-01	1.04E-02	1.09E-02	pCi/m3	U
2102	587312003	6/13/2022	Beryllium-7	1.37E-01	1.40E-02	1.38E-02	pCi/m3	U
2102	592755002	7/11/2022	Beryllium-7	1.34E-01	1.15E-02	1.02E-02	pCi/m3	U
2102	594667001	8/8/2022	Beryllium-7	1.21E-01	1.07E-02	9.46E-03	pCi/m3	U
2102	600159003	9/6/2022	Beryllium-7	1.34E-01	1.23E-02	1.44E-02	pCi/m3	U
2102	600160003	10/4/2022	Beryllium-7	1.37E-01	8.61E-03	7.92E-03	pCi/m3	U
2102	606088003	10/31/2022	Beryllium-7	1.57E-01	1.08E-02	1.28E-02	pCi/m3	U
2102	606540003	11/28/2022	Beryllium-7	1.11E-01	9.44E-03	1.12E-02	pCi/m3	U
2102	609503003	12/27/2022	Beryllium-7	9.89E-02	7.45E-03	7.62E-03	pCi/m3	U
2102	566166001	1/4/2022	BETA	2.18E-02	1.34E-03	1.48E-03	pCi/m3	U
2102	566829005	1/10/2022	BETA	4.69E-02	2.10E-03	1.68E-03	pCi/m3	U
2102	567639001	1/18/2022	BETA	5.20E-02	1.90E-03	1.30E-03	pCi/m3	U
2102	568220001	1/24/2022	BETA	4.57E-02	2.09E-03	1.80E-03	pCi/m3	U
2102	568941001	1/31/2022	BETA	4.53E-02	1.96E-03	1.65E-03	pCi/m3	U
2102	569535001	2/7/2022	BETA	3.93E-02	1.77E-03	1.40E-03	pCi/m3	U
2102	570265009	2/14/2022	BETA	4.26E-02	1.87E-03	1.43E-03	pCi/m3	U
2102	571000002	2/22/2022	BETA	4.56E-02	1.80E-03	1.25E-03	pCi/m3	U
2102	571637001	2/28/2022	BETA	2.82E-02	1.64E-03	1.69E-03	pCi/m3	U
2102	572310001	3/7/2022	BETA	6.91E-02	2.53E-03	1.73E-03	pCi/m3	U
2102	573044001	3/14/2022	BETA	2.49E-02	1.34E-03	1.24E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	573809001	3/21/2022	BETA	2.58E-02	1.50E-03	1.49E-03	pCi/m3	
2102	574543001	3/28/2022	BETA	2.85E-02	1.57E-03	1.59E-03	pCi/m3	
2102	575131001	4/4/2022	BETA	3.39E-02	1.64E-03	1.43E-03	pCi/m3	
2102	576092002	4/11/2022	BETA	2.80E-02	1.54E-03	1.57E-03	pCi/m3	
2102	576835001	4/18/2022	BETA	3.21E-02	1.60E-03	1.43E-03	pCi/m3	
2102	577597009	4/25/2022	BETA	3.93E-02	1.79E-03	1.40E-03	pCi/m3	
2102	578409013	5/2/2022	BETA	3.81E-02	1.72E-03	1.36E-03	pCi/m3	
2102	579262007	5/9/2022	BETA	2.62E-02	1.49E-03	1.46E-03	pCi/m3	
2102	580035001	5/16/2022	BETA	3.02E-02	1.56E-03	1.53E-03	pCi/m3	
2102	580692009	5/23/2022	BETA	3.87E-02	1.72E-03	1.50E-03	pCi/m3	
2102	581372011	5/31/2022	BETA	2.09E-02	1.08E-03	1.12E-03	pCi/m3	
2102	581946001	6/6/2022	BETA	3.15E-02	1.63E-03	1.65E-03	pCi/m3	
2102	582788005	6/13/2022	BETA	2.65E-02	1.42E-03	1.47E-03	pCi/m3	
2102	583525014	6/21/2022	BETA	3.42E-02	1.50E-03	1.19E-03	pCi/m3	
2102	584134015	6/28/2022	BETA	4.23E-02	1.77E-03	1.36E-03	pCi/m3	
2102	584823011	7/5/2022	BETA	2.97E-02	1.52E-03	1.36E-03	pCi/m3	
2102	585557004	7/11/2022	BETA	2.52E-02	1.59E-03	1.94E-03	pCi/m3	
2102	586344001	7/18/2022	BETA	3.68E-02	1.69E-03	1.37E-03	pCi/m3	
2102	587147005	7/25/2022	BETA	2.82E-02	1.50E-03	1.41E-03	pCi/m3	
2102	587889001	8/2/2022	BETA	1.95E-02	1.16E-03	1.19E-03	pCi/m3	
2102	589386001	8/8/2022	BETA	2.60E-02	1.66E-03	2.06E-03	pCi/m3	
2102	589633009	8/15/2022	BETA	3.15E-02	1.59E-03	1.39E-03	pCi/m3	
2102	590523001	8/23/2022	BETA	4.83E-02	1.86E-03	1.27E-03	pCi/m3	
2102	591270001	8/29/2022	BETA	3.91E-02	1.97E-03	1.75E-03	pCi/m3	
2102	592020005	9/6/2022	BETA	3.26E-02	1.59E-03	1.31E-03	pCi/m3	
2102	592698007	9/12/2022	BETA	3.48E-02	1.99E-03	1.88E-03	pCi/m3	
2102	593605005	9/19/2022	BETA	4.89E-02	1.88E-03	1.31E-03	pCi/m3	
2102	594421005	9/26/2022	BETA	5.09E-02	1.89E-03	1.25E-03	pCi/m3	
2102	594992005	10/4/2022	BETA	2.70E-02	1.31E-03	1.13E-03	pCi/m3	
2102	596154001	10/11/2022	BETA	4.40E-02	1.73E-03	1.32E-03	pCi/m3	
2102	597078019	10/17/2022	BETA	4.84E-02	2.04E-03	1.53E-03	pCi/m3	
2102	597937007	10/24/2022	BETA	4.45E-02	1.76E-03	1.22E-03	pCi/m3	
2102	598805005	10/31/2022	BETA	3.22E-02	1.48E-03	1.18E-03	pCi/m3	
2102	599718005	11/7/2022	BETA	4.66E-02	1.76E-03	1.18E-03	pCi/m3	
2102	600677001	11/14/2022	BETA	3.42E-02	1.53E-03	1.21E-03	pCi/m3	
2102	601448009	11/21/2022	BETA	4.72E-02	1.77E-03	1.15E-03	pCi/m3	
2102	602118005	11/28/2022	BETA	5.92E-02	2.00E-03	1.20E-03	pCi/m3	
2102	602825007	12/5/2022	BETA	4.33E-02	1.70E-03	1.21E-03	pCi/m3	
2102	603752005	12/12/2022	BETA	2.38E-02	1.26E-03	1.17E-03	pCi/m3	
2102	604620007	12/19/2022	BETA	3.94E-02	1.61E-03	1.14E-03	pCi/m3	
2102	605322011	12/27/2022	BETA	4.57E-02	1.63E-03	1.03E-03	pCi/m3	
2102	571519001	1/24/2022	Bismuth-214	2.65E-03	9.10E-04	2.48E-03	pCi/m3	UI
2102	575119001	2/22/2022	Bismuth-214	2.86E-04	7.68E-04	1.97E-03	pCi/m3	U
2102	580222001	3/21/2022	Bismuth-214	1.77E-03	1.36E-03	3.34E-03	pCi/m3	U
2102	582716001	4/18/2022	Bismuth-214	1.83E-03	8.14E-04	1.67E-03	pCi/m3	UI
2102	585173001	5/16/2022	Bismuth-214	7.82E-04	6.44E-04	2.11E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	587312003	6/13/2022	Bismuth-214	-2.60E-03	1.11E-03	3.22E-03	pCi/m3	U
2102	592755002	7/11/2022	Bismuth-214	5.78E-04	7.46E-04	2.04E-03	pCi/m3	U
2102	594667001	8/8/2022	Bismuth-214	-5.41E-06	5.64E-04	1.74E-03	pCi/m3	U
2102	600159003	9/6/2022	Bismuth-214	1.12E-03	6.87E-04	2.45E-03	pCi/m3	U
2102	600160003	10/4/2022	Bismuth-214	2.36E-03	7.53E-04	2.08E-03	pCi/m3	UI
2102	606088003	10/31/2022	Bismuth-214	2.33E-03	9.76E-04	1.57E-03	pCi/m3	UI
2102	606540003	11/28/2022	Bismuth-214	4.04E-05	6.46E-04	2.05E-03	pCi/m3	U
2102	609503003	12/27/2022	Bismuth-214	5.76E-05	4.56E-04	1.40E-03	pCi/m3	U
2102	571519001	1/24/2022	Cerium-141	8.39E-05	4.65E-04	1.50E-03	pCi/m3	U
2102	575119001	2/22/2022	Cerium-141	1.15E-04	4.92E-04	1.62E-03	pCi/m3	U
2102	580222001	3/21/2022	Cerium-141	-1.61E-03	1.14E-03	3.10E-03	pCi/m3	U
2102	582716001	4/18/2022	Cerium-141	1.28E-03	7.19E-04	2.50E-03	pCi/m3	U
2102	585173001	5/16/2022	Cerium-141	-3.23E-04	7.28E-04	2.14E-03	pCi/m3	U
2102	587312003	6/13/2022	Cerium-141	1.07E-04	1.05E-03	3.11E-03	pCi/m3	U
2102	592755002	7/11/2022	Cerium-141	1.06E-05	8.58E-04	2.60E-03	pCi/m3	U
2102	594667001	8/8/2022	Cerium-141	-6.59E-04	7.55E-04	2.13E-03	pCi/m3	U
2102	600159003	9/6/2022	Cerium-141	2.07E-03	1.94E-03	3.41E-03	pCi/m3	U
2102	600160003	10/4/2022	Cerium-141	-1.67E-04	5.12E-04	1.72E-03	pCi/m3	U
2102	606088003	10/31/2022	Cerium-141	-2.70E-04	1.01E-03	3.15E-03	pCi/m3	U
2102	606540003	11/28/2022	Cerium-141	-8.90E-04	6.16E-04	1.75E-03	pCi/m3	U
2102	609503003	12/27/2022	Cerium-141	-1.25E-04	4.65E-04	1.30E-03	pCi/m3	U
2102	571519001	1/24/2022	Cerium-144	2.83E-04	8.70E-04	2.85E-03	pCi/m3	U
2102	575119001	2/22/2022	Cerium-144	-6.11E-04	9.67E-04	3.03E-03	pCi/m3	U
2102	580222001	3/21/2022	Cerium-144	-8.12E-04	1.20E-03	3.83E-03	pCi/m3	U
2102	582716001	4/18/2022	Cerium-144	2.93E-03	1.96E-03	2.64E-03	pCi/m3	UI
2102	585173001	5/16/2022	Cerium-144	-1.29E-04	9.33E-04	2.97E-03	pCi/m3	U
2102	587312003	6/13/2022	Cerium-144	-1.69E-03	1.48E-03	4.47E-03	pCi/m3	U
2102	592755002	7/11/2022	Cerium-144	1.18E-03	9.93E-04	3.49E-03	pCi/m3	U
2102	594667001	8/8/2022	Cerium-144	1.07E-03	1.05E-03	3.61E-03	pCi/m3	U
2102	600159003	9/6/2022	Cerium-144	1.13E-03	1.32E-03	4.42E-03	pCi/m3	U
2102	600160003	10/4/2022	Cerium-144	-1.90E-04	9.72E-04	3.29E-03	pCi/m3	U
2102	606088003	10/31/2022	Cerium-144	-4.07E-04	1.19E-03	3.70E-03	pCi/m3	U
2102	606540003	11/28/2022	Cerium-144	1.76E-03	8.89E-04	3.30E-03	pCi/m3	U
2102	609503003	12/27/2022	Cerium-144	4.45E-04	7.46E-04	2.53E-03	pCi/m3	U
2102	571519001	1/24/2022	Cesium-134	1.25E-04	1.98E-04	6.93E-04	pCi/m3	U
2102	575119001	2/22/2022	Cesium-134	1.21E-04	2.20E-04	7.13E-04	pCi/m3	U
2102	580222001	3/21/2022	Cesium-134	-1.80E-05	3.31E-04	1.07E-03	pCi/m3	U
2102	582716001	4/18/2022	Cesium-134	-3.79E-05	2.31E-04	7.70E-04	pCi/m3	U
2102	585173001	5/16/2022	Cesium-134	2.12E-04	2.11E-04	7.14E-04	pCi/m3	U
2102	587312003	6/13/2022	Cesium-134	3.38E-04	3.93E-04	1.38E-03	pCi/m3	U
2102	592755002	7/11/2022	Cesium-134	-1.71E-04	2.78E-04	8.46E-04	pCi/m3	U
2102	594667001	8/8/2022	Cesium-134	6.48E-05	2.89E-04	9.63E-04	pCi/m3	U
2102	600159003	9/6/2022	Cesium-134	1.37E-03	3.53E-04	1.11E-03	pCi/m3	UI
2102	600160003	10/4/2022	Cesium-134	-1.24E-04	2.25E-04	7.16E-04	pCi/m3	U
2102	606088003	10/31/2022	Cesium-134	4.09E-04	3.00E-04	1.05E-03	pCi/m3	U
2102	606540003	11/28/2022	Cesium-134	4.75E-06	2.25E-04	7.43E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	609503003	12/27/2022	Cesium-134	1.22E-04	2.06E-04	7.16E-04	pCi/m3	U
2102	571519001	1/24/2022	Cesium-137	-1.77E-05	2.33E-04	7.53E-04	pCi/m3	U
2102	575119001	2/22/2022	Cesium-137	-4.33E-04	2.47E-04	6.55E-04	pCi/m3	U
2102	580222001	3/21/2022	Cesium-137	-5.02E-04	4.02E-04	1.20E-03	pCi/m3	U
2102	582716001	4/18/2022	Cesium-137	4.17E-04	4.51E-04	5.82E-04	pCi/m3	U
2102	585173001	5/16/2022	Cesium-137	-8.06E-05	1.97E-04	6.12E-04	pCi/m3	U
2102	587312003	6/13/2022	Cesium-137	-4.99E-05	3.52E-04	1.12E-03	pCi/m3	U
2102	592755002	7/11/2022	Cesium-137	1.32E-04	2.33E-04	8.12E-04	pCi/m3	U
2102	594667001	8/8/2022	Cesium-137	0.00E+00	2.65E-04	8.79E-04	pCi/m3	U
2102	600159003	9/6/2022	Cesium-137	1.05E-03	3.17E-04	5.70E-04	pCi/m3	UI
2102	600160003	10/4/2022	Cesium-137	2.03E-04	2.40E-04	8.22E-04	pCi/m3	U
2102	606088003	10/31/2022	Cesium-137	-2.70E-04	2.97E-04	8.11E-04	pCi/m3	U
2102	606540003	11/28/2022	Cesium-137	-1.42E-04	2.59E-04	7.77E-04	pCi/m3	U
2102	609503003	12/27/2022	Cesium-137	-1.47E-04	1.72E-04	5.14E-04	pCi/m3	U
2102	571519001	1/24/2022	Chromium-51	-3.50E-03	3.68E-03	1.18E-02	pCi/m3	U
2102	575119001	2/22/2022	Chromium-51	1.44E-03	4.15E-03	1.44E-02	pCi/m3	U
2102	580222001	3/21/2022	Chromium-51	-2.11E-02	9.15E-03	2.30E-02	pCi/m3	U
2102	582716001	4/18/2022	Chromium-51	-6.49E-03	5.98E-03	1.90E-02	pCi/m3	U
2102	585173001	5/16/2022	Chromium-51	-2.53E-03	4.90E-03	1.62E-02	pCi/m3	U
2102	587312003	6/13/2022	Chromium-51	3.68E-03	6.66E-03	2.34E-02	pCi/m3	U
2102	592755002	7/11/2022	Chromium-51	7.95E-03	8.52E-03	2.87E-02	pCi/m3	U
2102	594667001	8/8/2022	Chromium-51	2.66E-03	5.81E-03	1.98E-02	pCi/m3	U
2102	600159003	9/6/2022	Chromium-51	8.46E-03	8.34E-03	2.99E-02	pCi/m3	U
2102	600160003	10/4/2022	Chromium-51	-1.65E-03	4.04E-03	1.30E-02	pCi/m3	U
2102	606088003	10/31/2022	Chromium-51	6.41E-03	7.69E-03	2.62E-02	pCi/m3	U
2102	606540003	11/28/2022	Chromium-51	3.47E-03	4.34E-03	1.55E-02	pCi/m3	U
2102	609503003	12/27/2022	Chromium-51	4.91E-03	3.35E-03	1.17E-02	pCi/m3	U
2102	571519001	1/24/2022	Cobalt-57	1.01E-04	1.09E-04	3.71E-04	pCi/m3	U
2102	575119001	2/22/2022	Cobalt-57	-5.13E-05	1.19E-04	3.79E-04	pCi/m3	U
2102	580222001	3/21/2022	Cobalt-57	3.51E-05	1.66E-04	5.60E-04	pCi/m3	U
2102	582716001	4/18/2022	Cobalt-57	-3.30E-05	1.15E-04	3.66E-04	pCi/m3	U
2102	585173001	5/16/2022	Cobalt-57	1.55E-05	1.12E-04	3.63E-04	pCi/m3	U
2102	587312003	6/13/2022	Cobalt-57	-7.26E-05	1.85E-04	5.87E-04	pCi/m3	U
2102	592755002	7/11/2022	Cobalt-57	-1.92E-04	1.31E-04	3.94E-04	pCi/m3	U
2102	594667001	8/8/2022	Cobalt-57	-1.43E-04	1.19E-04	3.54E-04	pCi/m3	U
2102	600159003	9/6/2022	Cobalt-57	-9.73E-05	1.74E-04	5.45E-04	pCi/m3	U
2102	600160003	10/4/2022	Cobalt-57	-1.79E-04	1.32E-04	4.26E-04	pCi/m3	U
2102	606088003	10/31/2022	Cobalt-57	1.27E-04	1.67E-04	5.17E-04	pCi/m3	U
2102	606540003	11/28/2022	Cobalt-57	-1.15E-04	1.31E-04	4.20E-04	pCi/m3	U
2102	609503003	12/27/2022	Cobalt-57	7.45E-05	1.04E-04	3.56E-04	pCi/m3	U
2102	571519001	1/24/2022	Cobalt-58	-6.25E-04	2.80E-04	5.86E-04	pCi/m3	U
2102	575119001	2/22/2022	Cobalt-58	3.35E-04	3.08E-04	1.14E-03	pCi/m3	U
2102	580222001	3/21/2022	Cobalt-58	3.24E-04	4.24E-04	1.53E-03	pCi/m3	U
2102	582716001	4/18/2022	Cobalt-58	-2.08E-04	3.27E-04	9.97E-04	pCi/m3	U
2102	585173001	5/16/2022	Cobalt-58	8.13E-05	2.75E-04	9.19E-04	pCi/m3	U
2102	587312003	6/13/2022	Cobalt-58	1.09E-03	5.80E-04	2.20E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2102	592755002	7/11/2022	Cobalt-58	1.27E-04	4.31E-04	1.32E-03	pCi/m3	U
2102	594667001	8/8/2022	Cobalt-58	-1.82E-04	3.92E-04	1.21E-03	pCi/m3	U
2102	600159003	9/6/2022	Cobalt-58	-5.28E-04	5.02E-04	1.44E-03	pCi/m3	U
2102	600160003	10/4/2022	Cobalt-58	2.62E-04	2.50E-04	9.37E-04	pCi/m3	U
2102	606088003	10/31/2022	Cobalt-58	-6.76E-05	4.77E-04	1.51E-03	pCi/m3	U
2102	606540003	11/28/2022	Cobalt-58	3.22E-04	4.10E-04	1.46E-03	pCi/m3	U
2102	609503003	12/27/2022	Cobalt-58	-1.37E-04	2.47E-04	7.43E-04	pCi/m3	U
2102	571519001	1/24/2022	Cobalt-60	-1.17E-04	2.37E-04	7.24E-04	pCi/m3	U
2102	575119001	2/22/2022	Cobalt-60	1.01E-04	2.72E-04	9.24E-04	pCi/m3	U
2102	580222001	3/21/2022	Cobalt-60	1.29E-04	2.69E-04	9.86E-04	pCi/m3	U
2102	582716001	4/18/2022	Cobalt-60	2.86E-04	2.31E-04	8.73E-04	pCi/m3	U
2102	585173001	5/16/2022	Cobalt-60	-2.65E-04	2.61E-04	7.42E-04	pCi/m3	U
2102	587312003	6/13/2022	Cobalt-60	-5.16E-04	5.95E-04	1.63E-03	pCi/m3	U
2102	592755002	7/11/2022	Cobalt-60	2.12E-04	2.48E-04	9.35E-04	pCi/m3	U
2102	594667001	8/8/2022	Cobalt-60	2.38E-04	3.26E-04	1.17E-03	pCi/m3	U
2102	600159003	9/6/2022	Cobalt-60	-7.16E-05	2.89E-04	9.35E-04	pCi/m3	U
2102	600160003	10/4/2022	Cobalt-60	-3.04E-04	2.31E-04	5.75E-04	pCi/m3	U
2102	606088003	10/31/2022	Cobalt-60	3.35E-05	2.63E-04	8.95E-04	pCi/m3	U
2102	606540003	11/28/2022	Cobalt-60	3.62E-04	2.84E-04	1.11E-03	pCi/m3	U
2102	609503003	12/27/2022	Cobalt-60	2.27E-04	2.35E-04	8.84E-04	pCi/m3	U
2102	571519001	1/24/2022	Iron-59	6.20E-05	7.85E-04	2.67E-03	pCi/m3	U
2102	575119001	2/22/2022	Iron-59	-1.89E-04	8.51E-04	2.73E-03	pCi/m3	U
2102	580222001	3/21/2022	Iron-59	-1.75E-04	1.57E-03	5.24E-03	pCi/m3	U
2102	582716001	4/18/2022	Iron-59	9.80E-04	1.04E-03	3.48E-03	pCi/m3	U
2102	585173001	5/16/2022	Iron-59	-1.00E-03	1.10E-03	3.02E-03	pCi/m3	U
2102	587312003	6/13/2022	Iron-59	-2.18E-04	1.20E-03	3.92E-03	pCi/m3	U
2102	592755002	7/11/2022	Iron-59	1.53E-03	1.31E-03	4.84E-03	pCi/m3	U
2102	594667001	8/8/2022	Iron-59	-8.16E-04	9.05E-04	2.57E-03	pCi/m3	U
2102	600159003	9/6/2022	Iron-59	1.34E-03	1.56E-03	5.19E-03	pCi/m3	U
2102	600160003	10/4/2022	Iron-59	1.27E-03	7.57E-04	2.97E-03	pCi/m3	U
2102	606088003	10/31/2022	Iron-59	-6.31E-04	1.25E-03	3.91E-03	pCi/m3	U
2102	606540003	11/28/2022	Iron-59	4.79E-04	1.06E-03	3.61E-03	pCi/m3	U
2102	609503003	12/27/2022	Iron-59	-1.17E-04	5.74E-04	1.75E-03	pCi/m3	U
2102	571519001	1/24/2022	Lanthanum-140	1.98E-03	2.38E-03	8.74E-03	pCi/m3	U
2102	575119001	2/22/2022	Lanthanum-140	-8.66E-04	3.38E-03	1.11E-02	pCi/m3	U
2102	580222001	3/21/2022	Lanthanum-140	4.13E-03	1.11E-02	3.88E-02	pCi/m3	U
2102	582716001	4/18/2022	Lanthanum-140	6.69E-03	5.63E-03	2.22E-02	pCi/m3	U
2102	585173001	5/16/2022	Lanthanum-140	2.85E-03	4.23E-03	1.54E-02	pCi/m3	U
2102	587312003	6/13/2022	Lanthanum-140	-1.06E-02	5.90E-03	1.32E-02	pCi/m3	U
2102	592755002	7/11/2022	Lanthanum-140	1.33E-02	1.04E-02	4.32E-02	pCi/m3	U
2102	594667001	8/8/2022	Lanthanum-140	4.62E-03	5.53E-03	2.07E-02	pCi/m3	U
2102	600159003	9/6/2022	Lanthanum-140	6.63E-03	1.33E-02	4.63E-02	pCi/m3	U
2102	600160003	10/4/2022	Lanthanum-140	2.99E-03	3.19E-03	1.13E-02	pCi/m3	U
2102	606088003	10/31/2022	Lanthanum-140	-8.81E-03	1.05E-02	3.15E-02	pCi/m3	U
2102	606540003	11/28/2022	Lanthanum-140	-3.37E-04	1.47E-03	4.41E-03	pCi/m3	U
2102	609503003	12/27/2022	Lanthanum-140	-8.06E-04	1.44E-03	3.94E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	571519001	1/24/2022	Lead-210	7.26E-02	3.90E-02	5.75E-02	pCi/m3	UI
2102	575119001	2/22/2022	Lead-210	5.80E-02	7.65E-02	1.40E-01	pCi/m3	U
2102	580222001	3/21/2022	Lead-210	3.02E-03	2.45E-02	8.22E-02	pCi/m3	U
2102	582716001	4/18/2022	Lead-210	2.68E-02	2.45E-02	4.22E-02	pCi/m3	U
2102	585173001	5/16/2022	Lead-210	2.18E-02	3.43E-02	5.36E-02	pCi/m3	U
2102	587312003	6/13/2022	Lead-210	2.46E-02	5.13E-03	1.90E-02	pCi/m3	UI
2102	592755002	7/11/2022	Lead-210	2.53E-02	3.68E-02	1.24E-01	pCi/m3	U
2102	594667001	8/8/2022	Lead-210	2.04E-02	9.10E-02	1.73E-01	pCi/m3	U
2102	600159003	9/6/2022	Lead-210	3.87E-02	3.62E-02	6.68E-02	pCi/m3	U
2102	600160003	10/4/2022	Lead-210	2.42E-02	2.08E-02	3.29E-02	pCi/m3	U
2102	606088003	10/31/2022	Lead-210	2.45E-03	3.63E-02	1.25E-01	pCi/m3	U
2102	606540003	11/28/2022	Lead-210	1.52E-02	3.59E-02	1.11E-01	pCi/m3	U
2102	609503003	12/27/2022	Lead-210	6.82E-02	4.48E-02	8.32E-02	pCi/m3	U
2102	571519001	1/24/2022	Lead-212	-5.03E-04	4.58E-04	1.65E-03	pCi/m3	U
2102	575119001	2/22/2022	Lead-212	3.41E-04	5.96E-04	1.31E-03	pCi/m3	U
2102	580222001	3/21/2022	Lead-212	1.22E-03	8.79E-04	1.46E-03	pCi/m3	U
2102	582716001	4/18/2022	Lead-212	3.39E-04	5.55E-04	1.28E-03	pCi/m3	U
2102	585173001	5/16/2022	Lead-212	6.81E-04	5.90E-04	1.63E-03	pCi/m3	U
2102	587312003	6/13/2022	Lead-212	7.43E-04	6.74E-04	2.18E-03	pCi/m3	U
2102	592755002	7/11/2022	Lead-212	-2.94E-04	3.87E-04	1.24E-03	pCi/m3	U
2102	594667001	8/8/2022	Lead-212	4.64E-05	4.69E-04	1.04E-03	pCi/m3	U
2102	600159003	9/6/2022	Lead-212	3.42E-04	6.07E-04	1.55E-03	pCi/m3	U
2102	600160003	10/4/2022	Lead-212	9.20E-04	3.99E-04	1.23E-03	pCi/m3	U
2102	606088003	10/31/2022	Lead-212	8.37E-05	3.81E-04	1.32E-03	pCi/m3	U
2102	606540003	11/28/2022	Lead-212	6.64E-04	4.89E-04	1.38E-03	pCi/m3	U
2102	609503003	12/27/2022	Lead-212	-2.69E-05	3.77E-04	1.19E-03	pCi/m3	U
2102	571519001	1/24/2022	Lead-214	1.32E-04	5.86E-04	1.87E-03	pCi/m3	U
2102	575119001	2/22/2022	Lead-214	2.04E-03	9.15E-04	1.89E-03	pCi/m3	UI
2102	580222001	3/21/2022	Lead-214	1.09E-04	9.42E-04	2.64E-03	pCi/m3	U
2102	582716001	4/18/2022	Lead-214	3.19E-04	4.46E-04	1.52E-03	pCi/m3	U
2102	585173001	5/16/2022	Lead-214	7.93E-04	4.44E-04	1.57E-03	pCi/m3	U
2102	587312003	6/13/2022	Lead-214	1.29E-03	9.32E-04	3.16E-03	pCi/m3	U
2102	592755002	7/11/2022	Lead-214	1.01E-03	6.37E-04	1.69E-03	pCi/m3	U
2102	594667001	8/8/2022	Lead-214	1.24E-04	5.31E-04	1.74E-03	pCi/m3	U
2102	600159003	9/6/2022	Lead-214	-3.69E-04	6.03E-04	1.87E-03	pCi/m3	U
2102	600160003	10/4/2022	Lead-214	-4.66E-04	4.95E-04	1.41E-03	pCi/m3	U
2102	606088003	10/31/2022	Lead-214	1.13E-03	6.81E-04	1.90E-03	pCi/m3	U
2102	606540003	11/28/2022	Lead-214	1.14E-03	6.71E-04	1.90E-03	pCi/m3	U
2102	609503003	12/27/2022	Lead-214	7.37E-04	4.53E-04	1.60E-03	pCi/m3	U
2102	571519001	1/24/2022	Manganese-54	-1.74E-04	2.25E-04	6.48E-04	pCi/m3	U
2102	575119001	2/22/2022	Manganese-54	-7.18E-05	2.47E-04	8.15E-04	pCi/m3	U
2102	580222001	3/21/2022	Manganese-54	-1.21E-04	4.20E-04	1.03E-03	pCi/m3	U
2102	582716001	4/18/2022	Manganese-54	5.30E-05	2.35E-04	8.09E-04	pCi/m3	U
2102	585173001	5/16/2022	Manganese-54	-2.68E-04	2.21E-04	5.92E-04	pCi/m3	U
2102	587312003	6/13/2022	Manganese-54	-1.57E-04	4.49E-04	1.38E-03	pCi/m3	U
2102	592755002	7/11/2022	Manganese-54	4.98E-04	1.64E-04	8.60E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	594667001	8/8/2022	Manganese-54	-1.10E-04	3.04E-04	9.47E-04	pCi/m3	U
2102	600159003	9/6/2022	Manganese-54	2.73E-04	2.77E-04	9.82E-04	pCi/m3	U
2102	600160003	10/4/2022	Manganese-54	1.71E-04	2.36E-04	8.46E-04	pCi/m3	U
2102	606088003	10/31/2022	Manganese-54	-2.56E-04	2.71E-04	8.61E-04	pCi/m3	U
2102	606540003	11/28/2022	Manganese-54	4.43E-04	2.88E-04	1.02E-03	pCi/m3	U
2102	609503003	12/27/2022	Manganese-54	3.58E-04	1.81E-04	7.23E-04	pCi/m3	U
2102	571519001	1/24/2022	Molybdenum-99	-2.33E+01	1.94E+01	0.00E+00	pCi/m3	U
2102	575119001	2/22/2022	Molybdenum-99	-4.78E+01	7.71E+01	0.00E+00	pCi/m3	U
2102	580222001	3/21/2022	Molybdenum-99	1.11E+03	5.55E+03	0.00E+00	pCi/m3	UI
2102	582716001	4/18/2022	Molybdenum-99	6.24E+03	5.18E+03	0.00E+00	pCi/m3	UI
2102	585173001	5/16/2022	Molybdenum-99	-2.00E+02	6.80E+02	0.00E+00	pCi/m3	U
2102	587312003	6/13/2022	Molybdenum-99	-3.04E+02	2.45E+02	0.00E+00	pCi/m3	U
2102	592755002	7/11/2022	Molybdenum-99	2.59E+04	1.38E+05	0.00E+00	pCi/m3	UI
2102	594667001	8/8/2022	Molybdenum-99	2.13E+02	7.99E+02	0.00E+00	pCi/m3	UI
2102	600159003	9/6/2022	Molybdenum-99	-5.74E+04	3.14E+04	0.00E+00	pCi/m3	U
2102	600160003	10/4/2022	Molybdenum-99	4.37E+00	2.29E+01	0.00E+00	pCi/m3	UI
2102	606088003	10/31/2022	Molybdenum-99	2.52E+03	3.67E+04	0.00E+00	pCi/m3	UI
2102	606540003	11/28/2022	Molybdenum-99	-2.39E+01	1.41E+02	0.00E+00	pCi/m3	U
2102	609503003	12/27/2022	Molybdenum-99	-2.89E+01	8.16E+01	0.00E+00	pCi/m3	U
2102	571519001	1/24/2022	Niobium-95	-1.29E-04	2.90E-04	8.84E-04	pCi/m3	U
2102	575119001	2/22/2022	Niobium-95	-1.84E-05	3.05E-04	1.03E-03	pCi/m3	U
2102	580222001	3/21/2022	Niobium-95	3.93E-04	5.92E-04	2.07E-03	pCi/m3	U
2102	582716001	4/18/2022	Niobium-95	-5.35E-05	4.05E-04	1.19E-03	pCi/m3	U
2102	585173001	5/16/2022	Niobium-95	1.05E-04	3.46E-04	1.15E-03	pCi/m3	U
2102	587312003	6/13/2022	Niobium-95	-5.07E-04	6.15E-04	1.80E-03	pCi/m3	U
2102	592755002	7/11/2022	Niobium-95	5.39E-04	4.02E-04	1.51E-03	pCi/m3	U
2102	594667001	8/8/2022	Niobium-95	8.60E-04	4.65E-04	1.76E-03	pCi/m3	U
2102	600159003	9/6/2022	Niobium-95	5.94E-04	5.89E-04	2.05E-03	pCi/m3	U
2102	600160003	10/4/2022	Niobium-95	-5.42E-04	3.98E-04	9.96E-04	pCi/m3	U
2102	606088003	10/31/2022	Niobium-95	3.92E-04	4.30E-04	1.48E-03	pCi/m3	U
2102	606540003	11/28/2022	Niobium-95	8.62E-04	3.19E-04	1.35E-03	pCi/m3	U
2102	609503003	12/27/2022	Niobium-95	-1.19E-04	2.94E-04	9.19E-04	pCi/m3	U
2102	571519001	1/24/2022	Potassium-40	9.23E-03	4.19E-03	6.29E-03	pCi/m3	UI
2102	575119001	2/22/2022	Potassium-40	1.06E-02	4.63E-03	7.63E-03	pCi/m3	UI
2102	580222001	3/21/2022	Potassium-40	-1.14E-02	6.22E-03	1.67E-02	pCi/m3	U
2102	582716001	4/18/2022	Potassium-40	1.35E-02	4.34E-03	5.50E-03	pCi/m3	U
2102	585173001	5/16/2022	Potassium-40	9.19E-03	4.97E-03	9.94E-03	pCi/m3	U
2102	587312003	6/13/2022	Potassium-40	4.73E-03	6.78E-03	2.35E-02	pCi/m3	U
2102	592755002	7/11/2022	Potassium-40	2.04E-02	5.86E-03	9.51E-03	pCi/m3	U
2102	594667001	8/8/2022	Potassium-40	8.69E-03	5.61E-03	2.04E-02	pCi/m3	U
2102	600159003	9/6/2022	Potassium-40	2.78E-02	7.27E-03	8.70E-03	pCi/m3	U
2102	600160003	10/4/2022	Potassium-40	1.16E-02	6.28E-03	9.09E-03	pCi/m3	UI
2102	606088003	10/31/2022	Potassium-40	6.79E-03	6.27E-03	1.02E-02	pCi/m3	U
2102	606540003	11/28/2022	Potassium-40	3.52E-03	3.98E-03	1.53E-02	pCi/m3	U
2102	609503003	12/27/2022	Potassium-40	3.33E-03	3.82E-03	7.74E-03	pCi/m3	U
2102	571519001	1/24/2022	Radium-226	2.65E-03	9.10E-04	2.48E-03	pCi/m3	UI

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2102	575119001	2/22/2022	Radium-226	2.86E-04	7.68E-04	1.97E-03	pCi/m3	U
2102	580222001	3/21/2022	Radium-226	1.77E-03	1.36E-03	3.34E-03	pCi/m3	U
2102	582716001	4/18/2022	Radium-226	1.83E-03	8.14E-04	1.67E-03	pCi/m3	UI
2102	585173001	5/16/2022	Radium-226	7.82E-04	6.44E-04	2.11E-03	pCi/m3	U
2102	587312003	6/13/2022	Radium-226	-2.60E-03	1.11E-03	3.22E-03	pCi/m3	U
2102	592755002	7/11/2022	Radium-226	5.78E-04	7.46E-04	2.04E-03	pCi/m3	U
2102	594667001	8/8/2022	Radium-226	-5.41E-06	5.64E-04	1.74E-03	pCi/m3	U
2102	600159003	9/6/2022	Radium-226	-3.69E-04	6.03E-04	1.87E-03	pCi/m3	U
2102	600160003	10/4/2022	Radium-226	-4.66E-04	4.95E-04	1.41E-03	pCi/m3	U
2102	606088003	10/31/2022	Radium-226	1.13E-03	6.81E-04	1.90E-03	pCi/m3	U
2102	606540003	11/28/2022	Radium-226	1.14E-03	6.71E-04	1.90E-03	pCi/m3	U
2102	609503003	12/27/2022	Radium-226	7.37E-04	4.53E-04	1.60E-03	pCi/m3	U
2102	571519001	1/24/2022	Radium-228	5.92E-04	9.73E-04	3.39E-03	pCi/m3	U
2102	575119001	2/22/2022	Radium-228	4.49E-03	1.45E-03	4.49E-03	pCi/m3	U
2102	580222001	3/21/2022	Radium-228	2.38E-03	2.00E-03	6.17E-03	pCi/m3	U
2102	582716001	4/18/2022	Radium-228	2.93E-03	1.69E-03	4.09E-03	pCi/m3	U
2102	585173001	5/16/2022	Radium-228	-4.07E-04	1.04E-03	3.11E-03	pCi/m3	U
2102	587312003	6/13/2022	Radium-228	4.62E-03	2.05E-03	7.75E-03	pCi/m3	U
2102	592755002	7/11/2022	Radium-228	2.67E-03	1.23E-03	3.77E-03	pCi/m3	U
2102	594667001	8/8/2022	Radium-228	1.54E-03	1.02E-03	3.84E-03	pCi/m3	U
2102	600159003	9/6/2022	Radium-228	3.87E-04	1.72E-03	4.86E-03	pCi/m3	U
2102	600160003	10/4/2022	Radium-228	-1.21E-05	1.11E-03	3.56E-03	pCi/m3	U
2102	606088003	10/31/2022	Radium-228	-1.63E-03	1.22E-03	3.87E-03	pCi/m3	U
2102	606540003	11/28/2022	Radium-228	2.00E-04	1.34E-03	4.24E-03	pCi/m3	U
2102	609503003	12/27/2022	Radium-228	1.36E-03	1.30E-03	3.27E-03	pCi/m3	U
2102	571519001	1/24/2022	Ruthenium-103	-1.58E-04	3.37E-04	1.07E-03	pCi/m3	U
2102	575119001	2/22/2022	Ruthenium-103	4.61E-04	3.98E-04	1.42E-03	pCi/m3	U
2102	580222001	3/21/2022	Ruthenium-103	3.13E-03	1.74E-03	2.53E-03	pCi/m3	UI
2102	582716001	4/18/2022	Ruthenium-103	3.64E-04	4.33E-04	1.51E-03	pCi/m3	U
2102	585173001	5/16/2022	Ruthenium-103	7.81E-05	3.70E-04	1.25E-03	pCi/m3	U
2102	587312003	6/13/2022	Ruthenium-103	-3.52E-04	6.41E-04	2.02E-03	pCi/m3	U
2102	592755002	7/11/2022	Ruthenium-103	1.49E-03	8.34E-04	2.35E-03	pCi/m3	U
2102	594667001	8/8/2022	Ruthenium-103	-3.30E-04	4.80E-04	1.42E-03	pCi/m3	U
2102	600159003	9/6/2022	Ruthenium-103	-6.98E-04	7.86E-04	2.28E-03	pCi/m3	U
2102	600160003	10/4/2022	Ruthenium-103	9.68E-05	3.77E-04	1.24E-03	pCi/m3	U
2102	606088003	10/31/2022	Ruthenium-103	7.56E-04	6.20E-04	2.22E-03	pCi/m3	U
2102	606540003	11/28/2022	Ruthenium-103	1.28E-03	3.89E-04	1.58E-03	pCi/m3	U
2102	609503003	12/27/2022	Ruthenium-103	-2.42E-04	2.73E-04	8.36E-04	pCi/m3	U
2102	571519001	1/24/2022	Ruthenium-106	-4.58E-03	1.94E-03	4.63E-03	pCi/m3	U
2102	575119001	2/22/2022	Ruthenium-106	-3.09E-04	2.07E-03	6.57E-03	pCi/m3	U
2102	580222001	3/21/2022	Ruthenium-106	-4.56E-04	2.70E-03	8.77E-03	pCi/m3	U
2102	582716001	4/18/2022	Ruthenium-106	-2.41E-04	2.04E-03	6.49E-03	pCi/m3	U
2102	585173001	5/16/2022	Ruthenium-106	-1.07E-03	2.11E-03	6.58E-03	pCi/m3	U
2102	587312003	6/13/2022	Ruthenium-106	-4.26E-03	3.62E-03	1.05E-02	pCi/m3	U
2102	592755002	7/11/2022	Ruthenium-106	-9.41E-04	1.82E-03	5.69E-03	pCi/m3	U
2102	594667001	8/8/2022	Ruthenium-106	1.44E-03	2.35E-03	8.25E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2102	600159003	9/6/2022	Ruthenium-106	-3.42E-03	2.91E-03	8.72E-03	pCi/m3	U
2102	600160003	10/4/2022	Ruthenium-106	2.69E-03	1.98E-03	7.13E-03	pCi/m3	U
2102	606088003	10/31/2022	Ruthenium-106	-2.25E-04	2.26E-03	7.38E-03	pCi/m3	U
2102	606540003	11/28/2022	Ruthenium-106	1.09E-02	2.09E-03	4.87E-03	pCi/m3	UI
2102	609503003	12/27/2022	Ruthenium-106	2.77E-03	1.75E-03	6.58E-03	pCi/m3	U
2102	571519001	1/24/2022	Selenium-75	2.05E-04	2.69E-04	9.60E-04	pCi/m3	U
2102	575119001	2/22/2022	Selenium-75	3.22E-04	2.82E-04	1.02E-03	pCi/m3	U
2102	580222001	3/21/2022	Selenium-75	-1.03E-05	4.04E-04	1.28E-03	pCi/m3	U
2102	582716001	4/18/2022	Selenium-75	1.25E-04	2.64E-04	9.23E-04	pCi/m3	U
2102	585173001	5/16/2022	Selenium-75	-4.83E-04	2.43E-04	7.28E-04	pCi/m3	U
2102	587312003	6/13/2022	Selenium-75	-3.84E-04	4.12E-04	1.34E-03	pCi/m3	U
2102	592755002	7/11/2022	Selenium-75	2.08E-04	3.50E-04	1.15E-03	pCi/m3	U
2102	594667001	8/8/2022	Selenium-75	2.15E-04	2.76E-04	9.80E-04	pCi/m3	U
2102	600159003	9/6/2022	Selenium-75	3.30E-04	3.78E-04	1.35E-03	pCi/m3	U
2102	600160003	10/4/2022	Selenium-75	-1.11E-05	2.89E-04	9.58E-04	pCi/m3	U
2102	606088003	10/31/2022	Selenium-75	-8.31E-05	3.53E-04	1.16E-03	pCi/m3	U
2102	606540003	11/28/2022	Selenium-75	4.40E-04	2.79E-04	9.81E-04	pCi/m3	U
2102	609503003	12/27/2022	Selenium-75	7.11E-04	2.71E-04	8.42E-04	pCi/m3	U
2102	571519001	1/24/2022	Silver-108m	2.01E-04	1.64E-04	5.99E-04	pCi/m3	U
2102	575119001	2/22/2022	Silver-108m	-2.76E-04	1.80E-04	5.33E-04	pCi/m3	U
2102	580222001	3/21/2022	Silver-108m	-4.56E-05	1.67E-04	5.51E-04	pCi/m3	U
2102	582716001	4/18/2022	Silver-108m	5.88E-04	2.09E-04	5.49E-04	pCi/m3	UI
2102	585173001	5/16/2022	Silver-108m	-1.44E-04	1.54E-04	4.76E-04	pCi/m3	U
2102	587312003	6/13/2022	Silver-108m	-1.98E-04	2.99E-04	9.52E-04	pCi/m3	U
2102	592755002	7/11/2022	Silver-108m	-1.03E-04	1.65E-04	5.34E-04	pCi/m3	U
2102	594667001	8/8/2022	Silver-108m	4.47E-05	2.05E-04	6.70E-04	pCi/m3	U
2102	600159003	9/6/2022	Silver-108m	-1.94E-04	1.99E-04	6.24E-04	pCi/m3	U
2102	600160003	10/4/2022	Silver-108m	-5.90E-05	1.85E-04	5.88E-04	pCi/m3	U
2102	606088003	10/31/2022	Silver-108m	2.45E-05	1.89E-04	6.02E-04	pCi/m3	U
2102	606540003	11/28/2022	Silver-108m	-1.57E-04	1.76E-04	5.41E-04	pCi/m3	U
2102	609503003	12/27/2022	Silver-108m	-1.16E-04	1.37E-04	4.35E-04	pCi/m3	U
2102	571519001	1/24/2022	Silver-110m	1.18E-04	3.80E-04	1.25E-03	pCi/m3	U
2102	575119001	2/22/2022	Silver-110m	-2.07E-04	2.54E-04	7.58E-04	pCi/m3	U
2102	580222001	3/21/2022	Silver-110m	1.36E-03	4.54E-04	2.02E-03	pCi/m3	U
2102	582716001	4/18/2022	Silver-110m	-2.88E-04	3.13E-04	9.50E-04	pCi/m3	U
2102	585173001	5/16/2022	Silver-110m	-3.22E-04	3.27E-04	9.02E-04	pCi/m3	U
2102	587312003	6/13/2022	Silver-110m	7.03E-05	7.15E-04	2.04E-03	pCi/m3	U
2102	592755002	7/11/2022	Silver-110m	6.22E-04	4.04E-04	1.52E-03	pCi/m3	U
2102	594667001	8/8/2022	Silver-110m	1.72E-04	3.51E-04	1.21E-03	pCi/m3	U
2102	600159003	9/6/2022	Silver-110m	-3.81E-04	4.42E-04	1.28E-03	pCi/m3	U
2102	600160003	10/4/2022	Silver-110m	-2.89E-04	3.65E-04	1.13E-03	pCi/m3	U
2102	606088003	10/31/2022	Silver-110m	2.55E-04	4.78E-04	1.21E-03	pCi/m3	U
2102	606540003	11/28/2022	Silver-110m	1.68E-04	3.64E-04	1.27E-03	pCi/m3	U
2102	609503003	12/27/2022	Silver-110m	-1.62E-04	2.79E-04	8.32E-04	pCi/m3	U
2102	571519001	1/24/2022	Tellurium-132	6.03E-02	5.61E-01	0.00E+00	pCi/m3	UI
2102	575119001	2/22/2022	Tellurium-132	9.12E-01	1.24E+00	0.00E+00	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	580222001	3/21/2022	Tellurium-132	-8.39E+01	6.75E+01	0.00E+00	pCi/m3	U
2102	582716001	4/18/2022	Tellurium-132	6.16E+01	4.64E+01	0.00E+00	pCi/m3	UI
2102	585173001	5/16/2022	Tellurium-132	8.36E+00	1.17E+01	0.00E+00	pCi/m3	UI
2102	587312003	6/13/2022	Tellurium-132	2.51E+00	4.06E+00	0.00E+00	pCi/m3	UI
2102	592755002	7/11/2022	Tellurium-132	-3.83E+02	8.25E+02	0.00E+00	pCi/m3	U
2102	594667001	8/8/2022	Tellurium-132	1.92E+00	1.07E+01	0.00E+00	pCi/m3	UI
2102	600159003	9/6/2022	Tellurium-132	1.67E+02	2.60E+02	0.00E+00	pCi/m3	UI
2102	600160003	10/4/2022	Tellurium-132	3.94E-01	5.38E-01	0.00E+00	pCi/m3	UI
2102	606088003	10/31/2022	Tellurium-132	4.75E+02	2.73E+02	0.00E+00	pCi/m3	UI
2102	606540003	11/28/2022	Tellurium-132	-2.54E+00	2.25E+00	0.00E+00	pCi/m3	U
2102	609503003	12/27/2022	Tellurium-132	5.60E-01	1.30E+00	0.00E+00	pCi/m3	UI
2102	571519001	1/24/2022	Thallium-208	1.23E-03	4.44E-04	5.61E-04	pCi/m3	UI
2102	575119001	2/22/2022	Thallium-208	4.26E-04	4.54E-04	6.57E-04	pCi/m3	U
2102	580222001	3/21/2022	Thallium-208	-1.25E-05	4.35E-04	1.42E-03	pCi/m3	U
2102	582716001	4/18/2022	Thallium-208	2.95E-04	3.40E-04	4.79E-04	pCi/m3	U
2102	585173001	5/16/2022	Thallium-208	-2.50E-04	2.81E-04	9.33E-04	pCi/m3	U
2102	587312003	6/13/2022	Thallium-208	9.55E-04	6.11E-04	1.27E-03	pCi/m3	U
2102	592755002	7/11/2022	Thallium-208	-9.91E-05	2.70E-04	8.36E-04	pCi/m3	U
2102	594667001	8/8/2022	Thallium-208	-8.08E-06	3.21E-04	9.87E-04	pCi/m3	U
2102	600159003	9/6/2022	Thallium-208	2.32E-04	3.47E-04	1.12E-03	pCi/m3	U
2102	600160003	10/4/2022	Thallium-208	7.39E-04	2.53E-04	4.34E-04	pCi/m3	U
2102	606088003	10/31/2022	Thallium-208	3.54E-04	3.63E-04	7.19E-04	pCi/m3	U
2102	606540003	11/28/2022	Thallium-208	2.02E-04	2.85E-04	9.40E-04	pCi/m3	U
2102	609503003	12/27/2022	Thallium-208	3.73E-05	4.04E-04	4.91E-04	pCi/m3	U
2102	571519001	1/24/2022	Thorium-228	-5.03E-04	4.58E-04	1.65E-03	pCi/m3	U
2102	575119001	2/22/2022	Thorium-228	3.41E-04	5.96E-04	1.31E-03	pCi/m3	U
2102	580222001	3/21/2022	Thorium-228	1.22E-03	8.79E-04	1.46E-03	pCi/m3	U
2102	582716001	4/18/2022	Thorium-228	3.39E-04	5.55E-04	1.28E-03	pCi/m3	U
2102	585173001	5/16/2022	Thorium-228	6.81E-04	5.90E-04	1.63E-03	pCi/m3	U
2102	587312003	6/13/2022	Thorium-228	7.43E-04	6.74E-04	2.18E-03	pCi/m3	U
2102	592755002	7/11/2022	Thorium-228	-2.94E-04	3.87E-04	1.24E-03	pCi/m3	U
2102	594667001	8/8/2022	Thorium-228	4.64E-05	4.69E-04	1.04E-03	pCi/m3	U
2102	600159003	9/6/2022	Thorium-228	3.42E-04	6.07E-04	1.55E-03	pCi/m3	U
2102	600160003	10/4/2022	Thorium-228	9.20E-04	3.99E-04	1.23E-03	pCi/m3	U
2102	606088003	10/31/2022	Thorium-228	8.37E-05	3.81E-04	1.32E-03	pCi/m3	U
2102	606540003	11/28/2022	Thorium-228	6.64E-04	4.89E-04	1.38E-03	pCi/m3	U
2102	609503003	12/27/2022	Thorium-228	-2.69E-05	3.77E-04	1.19E-03	pCi/m3	U
2102	571519001	1/24/2022	Thorium-230	2.65E-03	9.10E-04	2.48E-03	pCi/m3	UI
2102	575119001	2/22/2022	Thorium-230	2.86E-04	7.68E-04	1.97E-03	pCi/m3	U
2102	580222001	3/21/2022	Thorium-230	1.77E-03	1.36E-03	3.34E-03	pCi/m3	U
2102	582716001	4/18/2022	Thorium-230	1.83E-03	8.14E-04	1.67E-03	pCi/m3	UI
2102	585173001	5/16/2022	Thorium-230	7.82E-04	6.43E-04	2.11E-03	pCi/m3	U
2102	587312003	6/13/2022	Thorium-230	-2.60E-03	1.11E-03	3.22E-03	pCi/m3	U
2102	592755002	7/11/2022	Thorium-230	5.78E-04	7.46E-04	2.04E-03	pCi/m3	U
2102	594667001	8/8/2022	Thorium-230	-5.41E-06	5.64E-04	1.74E-03	pCi/m3	U
2102	600159003	9/6/2022	Thorium-230	-3.69E-04	6.03E-04	1.87E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	600160003	10/4/2022	Thorium-230	-4.66E-04	4.95E-04	1.41E-03	pCi/m3	U
2102	606088003	10/31/2022	Thorium-230	1.13E-03	6.81E-04	1.90E-03	pCi/m3	U
2102	606540003	11/28/2022	Thorium-230	1.14E-03	6.71E-04	1.90E-03	pCi/m3	U
2102	609503003	12/27/2022	Thorium-230	7.37E-04	4.53E-04	1.60E-03	pCi/m3	U
2102	571519001	1/24/2022	Thorium-232	5.92E-04	9.73E-04	3.39E-03	pCi/m3	U
2102	575119001	2/22/2022	Thorium-232	4.49E-03	1.45E-03	4.49E-03	pCi/m3	U
2102	580222001	3/21/2022	Thorium-232	2.38E-03	2.00E-03	6.17E-03	pCi/m3	U
2102	582716001	4/18/2022	Thorium-232	2.93E-03	1.69E-03	4.09E-03	pCi/m3	U
2102	585173001	5/16/2022	Thorium-232	-4.07E-04	1.04E-03	3.11E-03	pCi/m3	U
2102	587312003	6/13/2022	Thorium-232	4.62E-03	2.05E-03	7.75E-03	pCi/m3	U
2102	592755002	7/11/2022	Thorium-232	2.67E-03	1.23E-03	3.77E-03	pCi/m3	U
2102	594667001	8/8/2022	Thorium-232	1.54E-03	1.02E-03	3.84E-03	pCi/m3	U
2102	600159003	9/6/2022	Thorium-232	3.87E-04	1.72E-03	4.86E-03	pCi/m3	U
2102	600160003	10/4/2022	Thorium-232	-1.21E-05	1.11E-03	3.56E-03	pCi/m3	U
2102	606088003	10/31/2022	Thorium-232	-1.63E-03	1.22E-03	3.87E-03	pCi/m3	U
2102	606540003	11/28/2022	Thorium-232	2.00E-04	1.34E-03	4.24E-03	pCi/m3	U
2102	609503003	12/27/2022	Thorium-232	1.36E-03	1.30E-03	3.27E-03	pCi/m3	U
2102	571519001	1/24/2022	Thorium-234	-3.03E-03	6.77E-03	2.13E-02	pCi/m3	U
2102	575119001	2/22/2022	Thorium-234	1.49E-02	1.29E-02	2.71E-02	pCi/m3	U
2102	580222001	3/21/2022	Thorium-234	-4.79E-03	7.99E-03	2.56E-02	pCi/m3	U
2102	582716001	4/18/2022	Thorium-234	2.34E-02	8.37E-03	1.20E-02	pCi/m3	UI
2102	585173001	5/16/2022	Thorium-234	4.90E-03	9.46E-03	1.75E-02	pCi/m3	U
2102	587312003	6/13/2022	Thorium-234	1.18E-02	1.16E-02	1.83E-02	pCi/m3	U
2102	592755002	7/11/2022	Thorium-234	-9.66E-03	8.09E-03	2.68E-02	pCi/m3	U
2102	594667001	8/8/2022	Thorium-234	1.86E-03	1.81E-02	3.01E-02	pCi/m3	U
2102	600159003	9/6/2022	Thorium-234	-2.45E-03	9.07E-03	3.00E-02	pCi/m3	U
2102	600160003	10/4/2022	Thorium-234	4.81E-03	1.03E-02	1.71E-02	pCi/m3	U
2102	606088003	10/31/2022	Thorium-234	1.19E-02	1.44E-02	3.72E-02	pCi/m3	U
2102	606540003	11/28/2022	Thorium-234	7.12E-04	1.37E-02	2.06E-02	pCi/m3	U
2102	609503003	12/27/2022	Thorium-234	7.34E-03	9.68E-03	2.29E-02	pCi/m3	U
2102	571519001	1/24/2022	Uranium-234	2.65E-03	9.10E-04	2.48E-03	pCi/m3	UI
2102	575119001	2/22/2022	Uranium-234	2.86E-04	7.68E-04	1.97E-03	pCi/m3	U
2102	580222001	3/21/2022	Uranium-234	1.77E-03	1.36E-03	3.34E-03	pCi/m3	U
2102	582716001	4/18/2022	Uranium-234	1.83E-03	8.14E-04	1.67E-03	pCi/m3	UI
2102	585173001	5/16/2022	Uranium-234	7.82E-04	6.43E-04	2.11E-03	pCi/m3	U
2102	587312003	6/13/2022	Uranium-234	-2.60E-03	1.11E-03	3.22E-03	pCi/m3	U
2102	592755002	7/11/2022	Uranium-234	5.78E-04	7.46E-04	2.04E-03	pCi/m3	U
2102	594667001	8/8/2022	Uranium-234	-5.41E-06	5.64E-04	1.74E-03	pCi/m3	U
2102	600159003	9/6/2022	Uranium-234	-3.69E-04	6.03E-04	1.87E-03	pCi/m3	U
2102	600160003	10/4/2022	Uranium-234	-4.66E-04	4.95E-04	1.41E-03	pCi/m3	U
2102	606088003	10/31/2022	Uranium-234	1.13E-03	6.81E-04	1.90E-03	pCi/m3	U
2102	606540003	11/28/2022	Uranium-234	1.14E-03	6.71E-04	1.90E-03	pCi/m3	U
2102	609503003	12/27/2022	Uranium-234	7.37E-04	4.53E-04	1.60E-03	pCi/m3	U
2102	571519001	1/24/2022	Zinc-65	-2.62E-04	6.26E-04	2.02E-03	pCi/m3	U
2102	575119001	2/22/2022	Zinc-65	-8.40E-04	4.79E-04	1.14E-03	pCi/m3	U
2102	580222001	3/21/2022	Zinc-65	8.52E-05	6.23E-04	2.16E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	582716001	4/18/2022	Zinc-65	4.02E-04	5.61E-04	1.99E-03	pCi/m3	U
2102	585173001	5/16/2022	Zinc-65	2.72E-04	5.68E-04	2.01E-03	pCi/m3	U
2102	587312003	6/13/2022	Zinc-65	-9.94E-04	1.12E-03	2.82E-03	pCi/m3	U
2102	592755002	7/11/2022	Zinc-65	2.99E-05	6.08E-04	1.95E-03	pCi/m3	U
2102	594667001	8/8/2022	Zinc-65	-1.33E-04	6.71E-04	2.18E-03	pCi/m3	U
2102	600159003	9/6/2022	Zinc-65	1.56E-04	6.46E-04	2.24E-03	pCi/m3	U
2102	600160003	10/4/2022	Zinc-65	-4.59E-04	4.89E-04	1.40E-03	pCi/m3	U
2102	606088003	10/31/2022	Zinc-65	1.51E-03	5.94E-04	2.12E-03	pCi/m3	U
2102	606540003	11/28/2022	Zinc-65	-1.57E-04	7.08E-04	2.23E-03	pCi/m3	U
2102	609503003	12/27/2022	Zinc-65	2.49E-04	4.27E-04	1.48E-03	pCi/m3	U
2102	571519001	1/24/2022	Zirconium-95	3.33E-04	4.69E-04	1.65E-03	pCi/m3	U
2102	575119001	2/22/2022	Zirconium-95	-2.22E-04	6.75E-04	1.81E-03	pCi/m3	U
2102	580222001	3/21/2022	Zirconium-95	7.63E-05	1.00E-03	3.29E-03	pCi/m3	U
2102	582716001	4/18/2022	Zirconium-95	4.89E-04	5.16E-04	1.88E-03	pCi/m3	U
2102	585173001	5/16/2022	Zirconium-95	-5.50E-04	6.39E-04	1.86E-03	pCi/m3	U
2102	587312003	6/13/2022	Zirconium-95	5.73E-04	1.08E-03	3.64E-03	pCi/m3	U
2102	592755002	7/11/2022	Zirconium-95	1.40E-03	6.48E-04	2.67E-03	pCi/m3	U
2102	594667001	8/8/2022	Zirconium-95	-6.73E-05	8.05E-04	2.62E-03	pCi/m3	U
2102	600159003	9/6/2022	Zirconium-95	1.32E-03	8.50E-04	3.15E-03	pCi/m3	U
2102	600160003	10/4/2022	Zirconium-95	4.17E-05	5.56E-04	1.89E-03	pCi/m3	U
2102	606088003	10/31/2022	Zirconium-95	-2.51E-04	7.07E-04	2.21E-03	pCi/m3	U
2102	606540003	11/28/2022	Zirconium-95	2.44E-04	6.46E-04	2.03E-03	pCi/m3	U
2102	609503003	12/27/2022	Zirconium-95	-5.74E-04	4.94E-04	1.39E-03	pCi/m3	U
2106	571519002	1/24/2022	Actinium-228	1.62E-03	2.30E-03	5.43E-03	pCi/m3	U
2106	575119006	2/22/2022	Actinium-228	7.91E-03	2.44E-03	3.26E-03	pCi/m3	U
2106	580222002	3/21/2022	Actinium-228	2.20E-03	1.49E-03	4.71E-03	pCi/m3	U
2106	582716002	4/18/2022	Actinium-228	4.79E-03	1.93E-03	5.44E-03	pCi/m3	U
2106	585173002	5/16/2022	Actinium-228	7.91E-04	1.55E-03	5.38E-03	pCi/m3	U
2106	587312002	6/13/2022	Actinium-228	-1.78E-03	1.32E-03	4.28E-03	pCi/m3	U
2106	592755001	7/11/2022	Actinium-228	3.11E-03	1.66E-03	3.62E-03	pCi/m3	U
2106	594667002	8/8/2022	Actinium-228	1.56E-03	1.76E-03	4.32E-03	pCi/m3	U
2106	600159001	9/6/2022	Actinium-228	1.86E-03	1.41E-03	5.05E-03	pCi/m3	U
2106	600160001	10/4/2022	Actinium-228	-8.20E-05	1.67E-03	6.10E-03	pCi/m3	U
2106	606088001	10/31/2022	Actinium-228	3.47E-04	1.73E-03	5.81E-03	pCi/m3	U
2106	606540001	11/28/2022	Actinium-228	5.06E-03	1.76E-03	6.67E-03	pCi/m3	U
2106	609503001	12/27/2022	Actinium-228	3.69E-03	2.01E-03	5.44E-03	pCi/m3	U
2106	571519002	1/24/2022	Americium-241	-1.92E-06	7.01E-04	2.20E-03	pCi/m3	U
2106	575119006	2/22/2022	Americium-241	2.33E-04	1.59E-03	4.68E-03	pCi/m3	U
2106	580222002	3/21/2022	Americium-241	-3.27E-04	9.13E-04	3.00E-03	pCi/m3	U
2106	582716002	4/18/2022	Americium-241	1.33E-04	1.44E-03	4.80E-03	pCi/m3	U
2106	585173002	5/16/2022	Americium-241	8.43E-04	7.52E-04	2.49E-03	pCi/m3	U
2106	587312002	6/13/2022	Americium-241	2.35E-03	1.47E-03	5.20E-03	pCi/m3	U
2106	592755001	7/11/2022	Americium-241	7.97E-04	7.60E-04	2.69E-03	pCi/m3	U
2106	594667002	8/8/2022	Americium-241	-3.69E-04	1.80E-03	4.94E-03	pCi/m3	U
2106	600159001	9/6/2022	Americium-241	7.06E-04	1.14E-03	4.06E-03	pCi/m3	U
2106	600160001	10/4/2022	Americium-241	3.73E-04	1.51E-03	4.46E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2106	606088001	10/31/2022	Americium-241	9.49E-04	1.44E-03	4.19E-03	pCi/m3	U
2106	606540001	11/28/2022	Americium-241	-1.06E-03	1.73E-03	5.17E-03	pCi/m3	U
2106	609503001	12/27/2022	Americium-241	3.85E-05	8.07E-04	2.69E-03	pCi/m3	U
2106	571519002	1/24/2022	Antimony-124	5.39E-04	1.11E-03	3.83E-03	pCi/m3	U
2106	575119006	2/22/2022	Antimony-124	1.08E-03	1.19E-03	4.44E-03	pCi/m3	U
2106	580222002	3/21/2022	Antimony-124	-6.97E-04	1.45E-03	4.35E-03	pCi/m3	U
2106	582716002	4/18/2022	Antimony-124	2.51E-04	1.15E-03	3.86E-03	pCi/m3	U
2106	585173002	5/16/2022	Antimony-124	1.85E-04	1.34E-03	4.57E-03	pCi/m3	U
2106	587312002	6/13/2022	Antimony-124	5.23E-04	1.34E-03	4.55E-03	pCi/m3	U
2106	592755001	7/11/2022	Antimony-124	4.97E-04	1.37E-03	4.78E-03	pCi/m3	U
2106	594667002	8/8/2022	Antimony-124	-1.32E-04	1.80E-03	5.76E-03	pCi/m3	U
2106	600159001	9/6/2022	Antimony-124	-2.72E-03	1.39E-03	2.63E-03	pCi/m3	U
2106	600160001	10/4/2022	Antimony-124	5.32E-05	1.30E-03	4.29E-03	pCi/m3	U
2106	606088001	10/31/2022	Antimony-124	-1.40E-03	1.39E-03	3.45E-03	pCi/m3	U
2106	606540001	11/28/2022	Antimony-124	1.18E-03	1.45E-03	5.23E-03	pCi/m3	U
2106	609503001	12/27/2022	Antimony-124	-1.02E-04	1.38E-03	4.41E-03	pCi/m3	U
2106	571519002	1/24/2022	Antimony-125	-1.90E-04	4.62E-04	1.49E-03	pCi/m3	U
2106	575119006	2/22/2022	Antimony-125	6.25E-04	6.73E-04	2.31E-03	pCi/m3	U
2106	580222002	3/21/2022	Antimony-125	5.87E-05	6.06E-04	2.05E-03	pCi/m3	U
2106	582716002	4/18/2022	Antimony-125	-9.20E-04	6.44E-04	2.02E-03	pCi/m3	U
2106	585173002	5/16/2022	Antimony-125	1.91E-03	6.63E-04	2.61E-03	pCi/m3	U
2106	587312002	6/13/2022	Antimony-125	3.24E-05	6.16E-04	2.09E-03	pCi/m3	U
2106	592755001	7/11/2022	Antimony-125	-1.39E-03	6.94E-04	1.92E-03	pCi/m3	U
2106	594667002	8/8/2022	Antimony-125	1.09E-03	6.35E-04	2.39E-03	pCi/m3	U
2106	600159001	9/6/2022	Antimony-125	-9.35E-05	6.01E-04	1.91E-03	pCi/m3	U
2106	600160001	10/4/2022	Antimony-125	1.13E-03	7.06E-04	2.44E-03	pCi/m3	U
2106	606088001	10/31/2022	Antimony-125	1.26E-03	7.65E-04	2.80E-03	pCi/m3	U
2106	606540001	11/28/2022	Antimony-125	-1.41E-04	7.14E-04	2.38E-03	pCi/m3	U
2106	609503001	12/27/2022	Antimony-125	-1.18E-04	7.18E-04	2.37E-03	pCi/m3	U
2106	571519002	1/24/2022	Barium-140	-2.17E-04	6.70E-03	1.97E-02	pCi/m3	U
2106	575119006	2/22/2022	Barium-140	8.21E-03	8.65E-03	3.13E-02	pCi/m3	U
2106	580222002	3/21/2022	Barium-140	-1.72E-03	1.97E-02	6.45E-02	pCi/m3	U
2106	582716002	4/18/2022	Barium-140	8.22E-03	1.96E-02	6.70E-02	pCi/m3	U
2106	585173002	5/16/2022	Barium-140	1.06E-02	1.34E-02	4.68E-02	pCi/m3	U
2106	587312002	6/13/2022	Barium-140	1.11E-02	9.89E-03	3.50E-02	pCi/m3	U
2106	592755001	7/11/2022	Barium-140	1.99E-01	4.97E-02	1.92E-01	pCi/m3	UI
2106	594667002	8/8/2022	Barium-140	2.25E-02	1.30E-02	4.68E-02	pCi/m3	U
2106	600159001	9/6/2022	Barium-140	2.73E-02	3.14E-02	1.13E-01	pCi/m3	U
2106	600160001	10/4/2022	Barium-140	-3.26E-03	7.31E-03	2.28E-02	pCi/m3	U
2106	606088001	10/31/2022	Barium-140	4.95E-02	3.72E-02	1.34E-01	pCi/m3	U
2106	606540001	11/28/2022	Barium-140	-2.16E-03	1.04E-02	3.41E-02	pCi/m3	U
2106	609503001	12/27/2022	Barium-140	-1.26E-02	1.01E-02	2.86E-02	pCi/m3	U
2106	571519002	1/24/2022	Beryllium-7	1.06E-01	9.49E-03	1.13E-02	pCi/m3	U
2106	575119006	2/22/2022	Beryllium-7	1.38E-01	1.08E-02	1.33E-02	pCi/m3	U
2106	580222002	3/21/2022	Beryllium-7	1.29E-01	1.06E-02	1.11E-02	pCi/m3	U
2106	582716002	4/18/2022	Beryllium-7	1.68E-01	1.06E-02	1.44E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	585173002	5/16/2022	Beryllium-7	1.64E-01	1.20E-02	1.16E-02	pCi/m3	
2106	587312002	6/13/2022	Beryllium-7	1.49E-01	1.23E-02	1.12E-02	pCi/m3	
2106	592755001	7/11/2022	Beryllium-7	1.23E-01	1.35E-02	1.91E-02	pCi/m3	
2106	594667002	8/8/2022	Beryllium-7	1.26E-01	1.15E-02	1.31E-02	pCi/m3	
2106	600159001	9/6/2022	Beryllium-7	9.04E-02	1.35E-02	1.38E-02	pCi/m3	
2106	600160001	10/4/2022	Beryllium-7	1.11E-01	1.11E-02	1.35E-02	pCi/m3	
2106	606088001	10/31/2022	Beryllium-7	1.79E-01	1.69E-02	1.73E-02	pCi/m3	
2106	606540001	11/28/2022	Beryllium-7	1.13E-01	1.08E-02	1.13E-02	pCi/m3	
2106	609503001	12/27/2022	Beryllium-7	7.96E-02	8.91E-03	9.98E-03	pCi/m3	
2106	566166005	1/4/2022	BETA	2.29E-02	1.59E-03	1.85E-03	pCi/m3	
2106	566829009	1/10/2022	BETA	4.90E-02	2.36E-03	2.01E-03	pCi/m3	
2106	567639005	1/18/2022	BETA	5.67E-02	2.21E-03	1.55E-03	pCi/m3	
2106	568220003	1/24/2022	BETA	4.76E-02	2.37E-03	2.14E-03	pCi/m3	
2106	568941009	1/31/2022	BETA	5.30E-02	2.34E-03	2.02E-03	pCi/m3	
2106	569535003	2/7/2022	BETA	4.46E-02	2.12E-03	1.87E-03	pCi/m3	
2106	570265011	2/14/2022	BETA	4.97E-02	2.20E-03	1.65E-03	pCi/m3	
2106	571000011	2/22/2022	BETA	3.97E-02	1.88E-03	1.50E-03	pCi/m3	
2106	571637003	2/28/2022	BETA	3.38E-02	2.09E-03	2.36E-03	pCi/m3	
2106	572310011	3/7/2022	BETA	5.71E-02	2.49E-03	2.00E-03	pCi/m3	
2106	573044003	3/14/2022	BETA	3.09E-02	1.87E-03	1.93E-03	pCi/m3	
2106	573809003	3/21/2022	BETA	2.77E-02	1.79E-03	1.90E-03	pCi/m3	
2106	574543003	3/28/2022	BETA	3.08E-02	1.93E-03	2.02E-03	pCi/m3	
2106	575131003	4/4/2022	BETA	4.06E-02	2.16E-03	2.13E-03	pCi/m3	
2106	576092005	4/11/2022	BETA	2.74E-02	1.75E-03	1.91E-03	pCi/m3	
2106	576835005	4/18/2022	BETA	3.54E-02	1.99E-03	2.07E-03	pCi/m3	
2106	577597011	4/25/2022	BETA	2.73E-02	1.43E-03	1.30E-03	pCi/m3	
2106	578409015	5/2/2022	BETA	8.72E-02	4.27E-03	3.89E-03	pCi/m3	
2106	579262009	5/9/2022	BETA	2.80E-02	1.87E-03	2.09E-03	pCi/m3	
2106	580035003	5/16/2022	BETA	2.81E-02	1.90E-03	2.16E-03	pCi/m3	
2106	580692007	5/23/2022	BETA	4.29E-02	2.21E-03	2.06E-03	pCi/m3	
2106	581372021	5/31/2022	BETA	2.34E-02	1.44E-03	1.66E-03	pCi/m3	
2106	581946003	6/6/2022	BETA	3.49E-02	1.92E-03	1.82E-03	pCi/m3	
2106	582788003	6/13/2022	BETA	2.71E-02	1.60E-03	1.84E-03	pCi/m3	
2106	583525011	6/21/2022	BETA	3.36E-02	1.67E-03	1.50E-03	pCi/m3	
2106	584134017	6/28/2022	BETA	3.85E-02	1.87E-03	1.58E-03	pCi/m3	
2106	584823001	7/5/2022	BETA	2.93E-02	1.73E-03	1.99E-03	pCi/m3	
2106	585557002	7/11/2022	BETA	2.68E-02	1.75E-03	1.92E-03	pCi/m3	
2106	586344003	7/18/2022	BETA	3.90E-02	1.81E-03	1.46E-03	pCi/m3	
2106	587147007	7/25/2022	BETA	2.69E-02	1.51E-03	1.48E-03	pCi/m3	
2106	587889003	8/2/2022	BETA	1.99E-02	1.20E-03	1.24E-03	pCi/m3	
2106	589386002	8/8/2022	BETA	2.53E-02	1.63E-03	1.81E-03	pCi/m3	
2106	589633007	8/15/2022	BETA	2.78E-02	1.57E-03	1.53E-03	pCi/m3	
2106	590523003	8/22/2022	BETA	4.46E-02	1.84E-03	1.51E-03	pCi/m3	
2106	591270003	8/29/2022	BETA	3.89E-02	1.93E-03	1.64E-03	pCi/m3	
2106	592020001	9/6/2022	BETA	2.66E-02	1.42E-03	1.30E-03	pCi/m3	
2106	592698002	9/12/2022	BETA	3.27E-02	1.80E-03	1.68E-03	pCi/m3	

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	593605001	9/19/2022	BETA	5.09E-02	2.10E-03	1.52E-03	pCi/m3	
2106	594421001	9/26/2022	BETA	5.14E-02	2.12E-03	1.57E-03	pCi/m3	
2106	594992001	10/4/2022	BETA	2.71E-02	1.45E-03	1.32E-03	pCi/m3	
2106	596154019	10/11/2022	BETA	4.56E-02	1.96E-03	1.51E-03	pCi/m3	
2106	597078021	10/17/2022	BETA	4.76E-02	2.12E-03	1.63E-03	pCi/m3	
2106	597937001	10/24/2022	BETA	4.41E-02	1.96E-03	1.55E-03	pCi/m3	
2106	598805001	10/31/2022	BETA	3.07E-02	1.63E-03	1.50E-03	pCi/m3	
2106	599718001	11/7/2022	BETA	4.64E-02	1.96E-03	1.47E-03	pCi/m3	
2106	600677005	11/14/2022	BETA	3.41E-02	1.67E-03	1.41E-03	pCi/m3	
2106	601448011	11/21/2022	BETA	4.62E-02	1.91E-03	1.40E-03	pCi/m3	
2106	602118001	11/28/2022	BETA	5.68E-02	2.28E-03	1.76E-03	pCi/m3	
2106	602825001	12/5/2022	BETA	4.33E-02	1.91E-03	1.53E-03	pCi/m3	
2106	603752001	12/12/2022	BETA	2.78E-02	1.61E-03	1.62E-03	pCi/m3	
2106	604620001	12/19/2022	BETA	4.26E-02	1.95E-03	1.62E-03	pCi/m3	
2106	605322001	12/27/2022	BETA	4.75E-02	1.85E-03	1.28E-03	pCi/m3	
2106	571519002	1/24/2022	Bismuth-214	8.99E-04	9.39E-04	1.79E-03	pCi/m3	U
2106	575119006	2/22/2022	Bismuth-214	2.09E-03	9.95E-04	1.73E-03	pCi/m3	UI
2106	580222002	3/21/2022	Bismuth-214	8.72E-04	7.57E-04	2.45E-03	pCi/m3	U
2106	582716002	4/18/2022	Bismuth-214	9.48E-04	1.27E-03	2.06E-03	pCi/m3	U
2106	585173002	5/16/2022	Bismuth-214	1.21E-03	9.77E-04	1.44E-03	pCi/m3	U
2106	587312002	6/13/2022	Bismuth-214	1.81E-03	1.12E-03	2.64E-03	pCi/m3	U
2106	592755001	7/11/2022	Bismuth-214	1.41E-03	1.12E-03	2.02E-03	pCi/m3	U
2106	594667002	8/8/2022	Bismuth-214	-3.82E-04	7.05E-04	2.08E-03	pCi/m3	U
2106	600159001	9/6/2022	Bismuth-214	2.19E-03	9.77E-04	2.23E-03	pCi/m3	U
2106	600160001	10/4/2022	Bismuth-214	-1.63E-03	7.20E-04	2.03E-03	pCi/m3	U
2106	606088001	10/31/2022	Bismuth-214	3.96E-04	9.14E-04	2.40E-03	pCi/m3	U
2106	606540001	11/28/2022	Bismuth-214	-1.43E-03	8.48E-04	2.50E-03	pCi/m3	U
2106	609503001	12/27/2022	Bismuth-214	9.10E-04	7.32E-04	2.49E-03	pCi/m3	U
2106	571519002	1/24/2022	Cerium-141	-8.77E-05	5.22E-04	1.67E-03	pCi/m3	U
2106	575119006	2/22/2022	Cerium-141	-4.89E-04	7.23E-04	2.38E-03	pCi/m3	U
2106	580222002	3/21/2022	Cerium-141	-6.30E-05	1.17E-03	3.36E-03	pCi/m3	U
2106	582716002	4/18/2022	Cerium-141	-1.81E-03	1.08E-03	3.08E-03	pCi/m3	U
2106	585173002	5/16/2022	Cerium-141	-7.70E-05	9.33E-04	2.73E-03	pCi/m3	U
2106	587312002	6/13/2022	Cerium-141	-1.70E-03	8.38E-04	2.34E-03	pCi/m3	U
2106	592755001	7/11/2022	Cerium-141	-3.07E-03	1.49E-03	3.97E-03	pCi/m3	U
2106	594667002	8/8/2022	Cerium-141	-1.03E-04	7.67E-04	2.47E-03	pCi/m3	U
2106	600159001	9/6/2022	Cerium-141	-4.63E-04	9.98E-04	3.12E-03	pCi/m3	U
2106	600160001	10/4/2022	Cerium-141	-1.62E-03	7.63E-04	2.09E-03	pCi/m3	U
2106	606088001	10/31/2022	Cerium-141	2.65E-03	1.11E-03	1.87E-03	pCi/m3	UI
2106	606540001	11/28/2022	Cerium-141	-1.01E-05	7.83E-04	2.61E-03	pCi/m3	U
2106	609503001	12/27/2022	Cerium-141	-7.89E-04	7.11E-04	2.01E-03	pCi/m3	U
2106	571519002	1/24/2022	Cerium-144	-5.30E-04	1.08E-03	3.42E-03	pCi/m3	U
2106	575119006	2/22/2022	Cerium-144	-1.13E-03	1.25E-03	4.06E-03	pCi/m3	U
2106	580222002	3/21/2022	Cerium-144	-4.12E-04	1.35E-03	4.30E-03	pCi/m3	U
2106	582716002	4/18/2022	Cerium-144	-1.04E-03	1.43E-03	4.32E-03	pCi/m3	U
2106	585173002	5/16/2022	Cerium-144	7.22E-04	1.29E-03	3.97E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	587312002	6/13/2022	Cerium-144	1.78E-04	1.57E-03	4.57E-03	pCi/m3	U
2106	592755001	7/11/2022	Cerium-144	1.55E-03	1.36E-03	4.65E-03	pCi/m3	U
2106	594667002	8/8/2022	Cerium-144	6.86E-04	1.22E-03	4.12E-03	pCi/m3	U
2106	600159001	9/6/2022	Cerium-144	5.06E-04	1.14E-03	3.79E-03	pCi/m3	U
2106	600160001	10/4/2022	Cerium-144	2.45E-04	1.32E-03	4.56E-03	pCi/m3	U
2106	606088001	10/31/2022	Cerium-144	6.53E-04	1.41E-03	4.90E-03	pCi/m3	U
2106	606540001	11/28/2022	Cerium-144	1.61E-03	1.55E-03	5.39E-03	pCi/m3	U
2106	609503001	12/27/2022	Cerium-144	1.06E-03	1.21E-03	4.06E-03	pCi/m3	U
2106	571519002	1/24/2022	Cesium-134	2.18E-04	2.94E-04	1.01E-03	pCi/m3	U
2106	575119006	2/22/2022	Cesium-134	4.38E-04	3.11E-04	1.16E-03	pCi/m3	U
2106	580222002	3/21/2022	Cesium-134	1.05E-04	3.58E-04	1.18E-03	pCi/m3	U
2106	582716002	4/18/2022	Cesium-134	1.84E-04	3.14E-04	1.10E-03	pCi/m3	U
2106	585173002	5/16/2022	Cesium-134	6.37E-04	3.35E-04	1.30E-03	pCi/m3	U
2106	587312002	6/13/2022	Cesium-134	-3.13E-04	3.71E-04	1.06E-03	pCi/m3	U
2106	592755001	7/11/2022	Cesium-134	1.45E-04	3.43E-04	1.15E-03	pCi/m3	U
2106	594667002	8/8/2022	Cesium-134	2.40E-04	3.01E-04	1.05E-03	pCi/m3	U
2106	600159001	9/6/2022	Cesium-134	1.04E-04	2.27E-04	7.89E-04	pCi/m3	U
2106	600160001	10/4/2022	Cesium-134	-8.84E-04	3.56E-04	7.41E-04	pCi/m3	U
2106	606088001	10/31/2022	Cesium-134	7.35E-04	3.56E-04	1.38E-03	pCi/m3	U
2106	606540001	11/28/2022	Cesium-134	1.32E-04	3.63E-04	1.18E-03	pCi/m3	U
2106	609503001	12/27/2022	Cesium-134	2.89E-04	2.82E-04	1.01E-03	pCi/m3	U
2106	571519002	1/24/2022	Cesium-137	-4.53E-04	3.74E-04	1.09E-03	pCi/m3	U
2106	575119006	2/22/2022	Cesium-137	-3.82E-04	3.45E-04	1.06E-03	pCi/m3	U
2106	580222002	3/21/2022	Cesium-137	5.86E-04	5.61E-04	8.65E-04	pCi/m3	U
2106	582716002	4/18/2022	Cesium-137	-4.14E-05	3.35E-04	1.02E-03	pCi/m3	U
2106	585173002	5/16/2022	Cesium-137	2.43E-04	5.74E-04	8.46E-04	pCi/m3	U
2106	587312002	6/13/2022	Cesium-137	9.22E-04	3.15E-04	1.20E-03	pCi/m3	U
2106	592755001	7/11/2022	Cesium-137	-3.21E-04	2.95E-04	8.37E-04	pCi/m3	U
2106	594667002	8/8/2022	Cesium-137	2.30E-04	2.71E-04	9.55E-04	pCi/m3	U
2106	600159001	9/6/2022	Cesium-137	-3.89E-04	2.41E-04	6.54E-04	pCi/m3	U
2106	600160001	10/4/2022	Cesium-137	-9.56E-04	4.06E-04	1.34E-03	pCi/m3	U
2106	606088001	10/31/2022	Cesium-137	-2.26E-04	4.41E-04	1.50E-03	pCi/m3	U
2106	606540001	11/28/2022	Cesium-137	2.46E-04	3.24E-04	1.13E-03	pCi/m3	U
2106	609503001	12/27/2022	Cesium-137	1.35E-04	2.81E-04	9.49E-04	pCi/m3	U
2106	571519002	1/24/2022	Chromium-51	-3.15E-03	3.95E-03	1.28E-02	pCi/m3	U
2106	575119006	2/22/2022	Chromium-51	9.74E-03	5.09E-03	1.86E-02	pCi/m3	U
2106	580222002	3/21/2022	Chromium-51	6.56E-03	7.38E-03	2.64E-02	pCi/m3	U
2106	582716002	4/18/2022	Chromium-51	-2.06E-03	7.77E-03	2.48E-02	pCi/m3	U
2106	585173002	5/16/2022	Chromium-51	-3.00E-03	6.59E-03	2.16E-02	pCi/m3	U
2106	587312002	6/13/2022	Chromium-51	-7.38E-03	5.64E-03	1.70E-02	pCi/m3	U
2106	592755001	7/11/2022	Chromium-51	2.47E-03	1.04E-02	3.59E-02	pCi/m3	U
2106	594667002	8/8/2022	Chromium-51	-8.80E-06	6.53E-03	2.23E-02	pCi/m3	U
2106	600159001	9/6/2022	Chromium-51	-3.80E-03	8.90E-03	2.87E-02	pCi/m3	U
2106	600160001	10/4/2022	Chromium-51	9.33E-04	5.09E-03	1.71E-02	pCi/m3	U
2106	606088001	10/31/2022	Chromium-51	-1.14E-03	9.62E-03	3.16E-02	pCi/m3	U
2106	606540001	11/28/2022	Chromium-51	5.64E-03	5.65E-03	1.93E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	609503001	12/27/2022	Chromium-51	2.39E-03	4.61E-03	1.62E-02	pCi/m3	U
2106	571519002	1/24/2022	Cobalt-57	-1.78E-04	1.35E-04	4.10E-04	pCi/m3	U
2106	575119006	2/22/2022	Cobalt-57	-1.04E-04	1.66E-04	5.52E-04	pCi/m3	U
2106	580222002	3/21/2022	Cobalt-57	-3.11E-04	1.71E-04	4.99E-04	pCi/m3	U
2106	582716002	4/18/2022	Cobalt-57	2.25E-04	1.97E-04	6.55E-04	pCi/m3	U
2106	585173002	5/16/2022	Cobalt-57	-4.18E-05	1.69E-04	5.38E-04	pCi/m3	U
2106	587312002	6/13/2022	Cobalt-57	3.14E-04	1.93E-04	6.57E-04	pCi/m3	U
2106	592755001	7/11/2022	Cobalt-57	-1.01E-04	1.68E-04	5.21E-04	pCi/m3	U
2106	594667002	8/8/2022	Cobalt-57	2.69E-04	1.63E-04	5.82E-04	pCi/m3	U
2106	600159001	9/6/2022	Cobalt-57	-1.16E-04	1.39E-04	4.29E-04	pCi/m3	U
2106	600160001	10/4/2022	Cobalt-57	-3.84E-04	1.73E-04	5.34E-04	pCi/m3	U
2106	606088001	10/31/2022	Cobalt-57	-2.05E-05	1.95E-04	6.62E-04	pCi/m3	U
2106	606540001	11/28/2022	Cobalt-57	1.35E-04	1.80E-04	6.24E-04	pCi/m3	U
2106	609503001	12/27/2022	Cobalt-57	-1.72E-04	1.51E-04	3.99E-04	pCi/m3	U
2106	571519002	1/24/2022	Cobalt-58	2.60E-04	3.62E-04	1.24E-03	pCi/m3	U
2106	575119006	2/22/2022	Cobalt-58	1.06E-04	4.29E-04	1.45E-03	pCi/m3	U
2106	580222002	3/21/2022	Cobalt-58	7.17E-04	4.59E-04	1.71E-03	pCi/m3	U
2106	582716002	4/18/2022	Cobalt-58	-5.27E-04	4.42E-04	1.36E-03	pCi/m3	U
2106	585173002	5/16/2022	Cobalt-58	8.55E-04	4.06E-04	1.63E-03	pCi/m3	U
2106	587312002	6/13/2022	Cobalt-58	4.59E-04	4.30E-04	1.55E-03	pCi/m3	U
2106	592755001	7/11/2022	Cobalt-58	3.30E-04	7.31E-04	2.20E-03	pCi/m3	U
2106	594667002	8/8/2022	Cobalt-58	2.73E-04	4.80E-04	1.62E-03	pCi/m3	U
2106	600159001	9/6/2022	Cobalt-58	-4.49E-05	4.18E-04	1.34E-03	pCi/m3	U
2106	600160001	10/4/2022	Cobalt-58	4.56E-04	4.82E-04	1.68E-03	pCi/m3	U
2106	606088001	10/31/2022	Cobalt-58	5.43E-04	5.93E-04	2.07E-03	pCi/m3	U
2106	606540001	11/28/2022	Cobalt-58	-1.05E-03	5.50E-04	1.11E-03	pCi/m3	U
2106	609503001	12/27/2022	Cobalt-58	-4.24E-04	3.88E-04	1.06E-03	pCi/m3	U
2106	571519002	1/24/2022	Cobalt-60	3.34E-04	3.15E-04	1.17E-03	pCi/m3	U
2106	575119006	2/22/2022	Cobalt-60	-3.68E-04	3.95E-04	1.25E-03	pCi/m3	U
2106	580222002	3/21/2022	Cobalt-60	1.05E-03	3.89E-04	1.63E-03	pCi/m3	U
2106	582716002	4/18/2022	Cobalt-60	3.22E-05	3.33E-04	1.05E-03	pCi/m3	U
2106	585173002	5/16/2022	Cobalt-60	-3.11E-04	3.02E-04	8.09E-04	pCi/m3	U
2106	587312002	6/13/2022	Cobalt-60	-1.67E-04	2.94E-04	9.32E-04	pCi/m3	U
2106	592755001	7/11/2022	Cobalt-60	-3.09E-04	4.39E-04	1.09E-03	pCi/m3	U
2106	594667002	8/8/2022	Cobalt-60	-1.39E-06	2.69E-04	8.84E-04	pCi/m3	U
2106	600159001	9/6/2022	Cobalt-60	3.34E-05	4.17E-04	1.37E-03	pCi/m3	U
2106	600160001	10/4/2022	Cobalt-60	1.55E-04	4.81E-04	1.65E-03	pCi/m3	U
2106	606088001	10/31/2022	Cobalt-60	1.08E-03	4.20E-04	1.78E-03	pCi/m3	U
2106	606540001	11/28/2022	Cobalt-60	4.67E-04	3.81E-04	1.44E-03	pCi/m3	U
2106	609503001	12/27/2022	Cobalt-60	1.28E-04	3.11E-04	1.08E-03	pCi/m3	U
2106	571519002	1/24/2022	Iron-59	-5.22E-05	9.21E-04	3.05E-03	pCi/m3	U
2106	575119006	2/22/2022	Iron-59	-1.38E-03	1.51E-03	3.65E-03	pCi/m3	U
2106	580222002	3/21/2022	Iron-59	-6.44E-04	1.01E-03	3.09E-03	pCi/m3	U
2106	582716002	4/18/2022	Iron-59	1.25E-03	1.18E-03	4.24E-03	pCi/m3	U
2106	585173002	5/16/2022	Iron-59	-7.82E-04	1.25E-03	3.82E-03	pCi/m3	U
2106	587312002	6/13/2022	Iron-59	2.28E-04	1.20E-03	3.99E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	592755001	7/11/2022	Iron-59	4.27E-04	1.68E-03	5.81E-03	pCi/m3	U
2106	594667002	8/8/2022	Iron-59	1.85E-05	1.23E-03	4.12E-03	pCi/m3	U
2106	600159001	9/6/2022	Iron-59	1.17E-04	1.77E-03	5.93E-03	pCi/m3	U
2106	600160001	10/4/2022	Iron-59	1.36E-03	1.18E-03	4.11E-03	pCi/m3	U
2106	606088001	10/31/2022	Iron-59	2.21E-04	1.74E-03	5.90E-03	pCi/m3	U
2106	606540001	11/28/2022	Iron-59	-3.03E-06	1.14E-03	3.58E-03	pCi/m3	U
2106	609503001	12/27/2022	Iron-59	-1.12E-03	1.09E-03	3.18E-03	pCi/m3	U
2106	571519002	1/24/2022	Lanthanum-140	-5.15E-03	3.15E-03	7.75E-03	pCi/m3	U
2106	575119006	2/22/2022	Lanthanum-140	6.16E-03	3.87E-03	1.53E-02	pCi/m3	U
2106	580222002	3/21/2022	Lanthanum-140	2.78E-03	9.54E-03	3.24E-02	pCi/m3	U
2106	582716002	4/18/2022	Lanthanum-140	1.34E-02	8.31E-03	3.18E-02	pCi/m3	U
2106	585173002	5/16/2022	Lanthanum-140	-5.00E-04	6.26E-03	2.09E-02	pCi/m3	U
2106	587312002	6/13/2022	Lanthanum-140	-2.98E-03	4.51E-03	1.39E-02	pCi/m3	U
2106	592755001	7/11/2022	Lanthanum-140	-5.84E-03	2.35E-02	7.36E-02	pCi/m3	U
2106	594667002	8/8/2022	Lanthanum-140	1.01E-02	5.82E-03	2.38E-02	pCi/m3	U
2106	600159001	9/6/2022	Lanthanum-140	9.45E-03	1.45E-02	5.26E-02	pCi/m3	U
2106	600160001	10/4/2022	Lanthanum-140	4.84E-03	3.23E-03	1.28E-02	pCi/m3	U
2106	606088001	10/31/2022	Lanthanum-140	4.38E-03	1.45E-02	4.97E-02	pCi/m3	U
2106	606540001	11/28/2022	Lanthanum-140	2.25E-03	4.77E-03	1.66E-02	pCi/m3	U
2106	609503001	12/27/2022	Lanthanum-140	5.50E-03	3.90E-03	1.52E-02	pCi/m3	U
2106	571519002	1/24/2022	Lead-210	4.69E-02	3.10E-02	4.74E-02	pCi/m3	U
2106	575119006	2/22/2022	Lead-210	8.05E-02	6.05E-02	1.95E-01	pCi/m3	U
2106	580222002	3/21/2022	Lead-210	-1.28E-02	3.32E-02	1.02E-01	pCi/m3	U
2106	582716002	4/18/2022	Lead-210	-3.19E-02	4.89E-02	1.60E-01	pCi/m3	U
2106	585173002	5/16/2022	Lead-210	3.05E-02	2.59E-02	5.43E-02	pCi/m3	U
2106	587312002	6/13/2022	Lead-210	3.77E-02	4.81E-02	1.67E-01	pCi/m3	U
2106	592755001	7/11/2022	Lead-210	3.41E-02	4.20E-02	6.47E-02	pCi/m3	U
2106	594667002	8/8/2022	Lead-210	7.44E-02	8.20E-02	2.88E-01	pCi/m3	U
2106	600159001	9/6/2022	Lead-210	1.43E-01	6.24E-02	2.21E-01	pCi/m3	U
2106	600160001	10/4/2022	Lead-210	-1.19E-02	4.98E-02	1.45E-01	pCi/m3	U
2106	606088001	10/31/2022	Lead-210	7.41E-02	3.29E-02	1.18E-01	pCi/m3	U
2106	606540001	11/28/2022	Lead-210	-5.68E-02	7.01E-02	2.02E-01	pCi/m3	U
2106	609503001	12/27/2022	Lead-210	2.92E-02	4.57E-02	7.01E-02	pCi/m3	U
2106	571519002	1/24/2022	Lead-212	1.19E-03	6.11E-04	1.12E-03	pCi/m3	UI
2106	575119006	2/22/2022	Lead-212	1.46E-04	7.65E-04	1.92E-03	pCi/m3	U
2106	580222002	3/21/2022	Lead-212	1.04E-03	6.40E-04	1.72E-03	pCi/m3	U
2106	582716002	4/18/2022	Lead-212	1.24E-03	7.87E-04	1.13E-03	pCi/m3	UI
2106	585173002	5/16/2022	Lead-212	1.97E-04	7.14E-04	1.24E-03	pCi/m3	U
2106	587312002	6/13/2022	Lead-212	1.97E-03	9.97E-04	1.90E-03	pCi/m3	UI
2106	592755001	7/11/2022	Lead-212	4.11E-04	9.32E-04	1.37E-03	pCi/m3	U
2106	594667002	8/8/2022	Lead-212	-3.98E-04	4.95E-04	1.60E-03	pCi/m3	U
2106	600159001	9/6/2022	Lead-212	1.29E-03	5.98E-04	9.51E-04	pCi/m3	UI
2106	600160001	10/4/2022	Lead-212	-5.19E-04	5.71E-04	1.69E-03	pCi/m3	U
2106	606088001	10/31/2022	Lead-212	2.96E-03	1.20E-03	1.71E-03	pCi/m3	UI
2106	606540001	11/28/2022	Lead-212	2.23E-04	7.17E-04	1.98E-03	pCi/m3	U
2106	609503001	12/27/2022	Lead-212	2.28E-03	6.46E-04	2.17E-03	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	571519002	1/24/2022	Lead-214	1.20E-03	1.11E-03	2.41E-03	pCi/m3	U
2106	575119006	2/22/2022	Lead-214	8.22E-04	6.71E-04	2.18E-03	pCi/m3	U
2106	580222002	3/21/2022	Lead-214	4.58E-04	6.34E-04	2.05E-03	pCi/m3	U
2106	582716002	4/18/2022	Lead-214	3.56E-04	7.19E-04	2.25E-03	pCi/m3	U
2106	585173002	5/16/2022	Lead-214	1.37E-03	1.17E-03	2.29E-03	pCi/m3	U
2106	587312002	6/13/2022	Lead-214	5.43E-04	9.77E-04	2.13E-03	pCi/m3	U
2106	592755001	7/11/2022	Lead-214	1.10E-03	9.68E-04	2.42E-03	pCi/m3	U
2106	594667002	8/8/2022	Lead-214	1.17E-04	5.94E-04	1.99E-03	pCi/m3	U
2106	600159001	9/6/2022	Lead-214	3.21E-04	6.20E-04	1.80E-03	pCi/m3	U
2106	600160001	10/4/2022	Lead-214	1.17E-06	7.29E-04	2.30E-03	pCi/m3	U
2106	606088001	10/31/2022	Lead-214	8.05E-04	6.71E-04	2.32E-03	pCi/m3	U
2106	606540001	11/28/2022	Lead-214	6.15E-04	7.63E-04	2.36E-03	pCi/m3	U
2106	609503001	12/27/2022	Lead-214	7.92E-04	7.18E-04	1.53E-03	pCi/m3	U
2106	571519002	1/24/2022	Manganese-54	8.52E-05	2.43E-04	8.03E-04	pCi/m3	U
2106	575119006	2/22/2022	Manganese-54	1.13E-04	3.67E-04	1.24E-03	pCi/m3	U
2106	580222002	3/21/2022	Manganese-54	5.88E-04	4.81E-04	1.13E-03	pCi/m3	U
2106	582716002	4/18/2022	Manganese-54	1.86E-04	3.18E-04	1.11E-03	pCi/m3	U
2106	585173002	5/16/2022	Manganese-54	-8.46E-05	2.64E-04	8.60E-04	pCi/m3	U
2106	587312002	6/13/2022	Manganese-54	4.33E-04	3.28E-04	1.19E-03	pCi/m3	U
2106	592755001	7/11/2022	Manganese-54	-2.52E-04	4.54E-04	1.18E-03	pCi/m3	U
2106	594667002	8/8/2022	Manganese-54	3.08E-04	3.47E-04	1.20E-03	pCi/m3	U
2106	600159001	9/6/2022	Manganese-54	2.47E-04	3.24E-04	1.13E-03	pCi/m3	U
2106	600160001	10/4/2022	Manganese-54	-2.50E-04	3.31E-04	9.52E-04	pCi/m3	U
2106	606088001	10/31/2022	Manganese-54	9.24E-06	3.56E-04	1.21E-03	pCi/m3	U
2106	606540001	11/28/2022	Manganese-54	2.47E-05	2.94E-04	9.61E-04	pCi/m3	U
2106	609503001	12/27/2022	Manganese-54	-1.95E-04	3.17E-04	9.34E-04	pCi/m3	U
2106	571519002	1/24/2022	Molybdenum-99	-1.50E+01	3.29E+01	0.00E+00	pCi/m3	U
2106	575119006	2/22/2022	Molybdenum-99	-1.42E+02	9.41E+01	0.00E+00	pCi/m3	U
2106	580222002	3/21/2022	Molybdenum-99	5.25E+03	6.11E+03	0.00E+00	pCi/m3	UI
2106	582716002	4/18/2022	Molybdenum-99	1.37E+04	7.27E+03	0.00E+00	pCi/m3	UI
2106	585173002	5/16/2022	Molybdenum-99	-9.11E+02	1.32E+03	0.00E+00	pCi/m3	U
2106	587312002	6/13/2022	Molybdenum-99	-2.44E+02	1.79E+02	0.00E+00	pCi/m3	U
2106	592755001	7/11/2022	Molybdenum-99	-1.67E+05	2.21E+05	0.00E+00	pCi/m3	U
2106	594667002	8/8/2022	Molybdenum-99	6.34E+02	8.41E+02	0.00E+00	pCi/m3	UI
2106	600159001	9/6/2022	Molybdenum-99	2.29E+04	3.01E+04	0.00E+00	pCi/m3	UI
2106	600160001	10/4/2022	Molybdenum-99	1.48E+01	3.24E+01	0.00E+00	pCi/m3	UI
2106	606088001	10/31/2022	Molybdenum-99	4.28E+04	5.07E+04	0.00E+00	pCi/m3	UI
2106	606540001	11/28/2022	Molybdenum-99	-3.28E+02	1.56E+02	0.00E+00	pCi/m3	U
2106	609503001	12/27/2022	Molybdenum-99	1.57E+02	8.93E+01	0.00E+00	pCi/m3	UI
2106	571519002	1/24/2022	Niobium-95	1.41E-04	3.53E-04	1.18E-03	pCi/m3	U
2106	575119006	2/22/2022	Niobium-95	9.77E-04	4.99E-04	1.90E-03	pCi/m3	U
2106	580222002	3/21/2022	Niobium-95	-5.49E-04	6.39E-04	1.75E-03	pCi/m3	U
2106	582716002	4/18/2022	Niobium-95	-5.96E-06	5.42E-04	1.74E-03	pCi/m3	U
2106	585173002	5/16/2022	Niobium-95	-5.61E-05	4.80E-04	1.61E-03	pCi/m3	U
2106	587312002	6/13/2022	Niobium-95	-3.69E-04	4.78E-04	1.45E-03	pCi/m3	U
2106	592755001	7/11/2022	Niobium-95	-1.03E-04	6.28E-04	1.98E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	594667002	8/8/2022	Niobium-95	1.09E-04	5.32E-04	1.74E-03	pCi/m3	U
2106	600159001	9/6/2022	Niobium-95	1.10E-03	5.74E-04	2.18E-03	pCi/m3	U
2106	600160001	10/4/2022	Niobium-95	-2.39E-04	4.99E-04	1.38E-03	pCi/m3	U
2106	606088001	10/31/2022	Niobium-95	6.62E-04	6.61E-04	2.31E-03	pCi/m3	U
2106	606540001	11/28/2022	Niobium-95	2.14E-03	7.93E-04	1.12E-03	pCi/m3	UI
2106	609503001	12/27/2022	Niobium-95	-2.47E-04	3.50E-04	1.01E-03	pCi/m3	U
2106	571519002	1/24/2022	Potassium-40	1.11E-02	5.34E-03	9.95E-03	pCi/m3	UI
2106	575119006	2/22/2022	Potassium-40	1.49E-02	5.44E-03	7.42E-03	pCi/m3	UI
2106	580222002	3/21/2022	Potassium-40	6.07E-03	7.58E-03	1.08E-02	pCi/m3	U
2106	582716002	4/18/2022	Potassium-40	1.95E-02	6.03E-03	1.18E-02	pCi/m3	U
2106	585173002	5/16/2022	Potassium-40	1.28E-02	5.94E-03	9.37E-03	pCi/m3	UI
2106	587312002	6/13/2022	Potassium-40	1.54E-02	6.91E-03	1.02E-02	pCi/m3	UI
2106	592755001	7/11/2022	Potassium-40	8.30E-03	9.02E-03	1.09E-02	pCi/m3	U
2106	594667002	8/8/2022	Potassium-40	1.34E-02	6.42E-03	9.85E-03	pCi/m3	UI
2106	600159001	9/6/2022	Potassium-40	7.48E-03	5.92E-03	2.25E-02	pCi/m3	U
2106	600160001	10/4/2022	Potassium-40	4.67E-03	7.22E-03	1.26E-02	pCi/m3	U
2106	606088001	10/31/2022	Potassium-40	1.33E-02	8.50E-03	1.37E-02	pCi/m3	U
2106	606540001	11/28/2022	Potassium-40	2.85E-03	5.23E-03	1.88E-02	pCi/m3	U
2106	609503001	12/27/2022	Potassium-40	4.17E-03	5.29E-03	2.14E-02	pCi/m3	U
2106	571519002	1/24/2022	Radium-226	8.99E-04	9.39E-04	1.79E-03	pCi/m3	U
2106	575119006	2/22/2022	Radium-226	2.09E-03	9.95E-04	1.73E-03	pCi/m3	UI
2106	580222002	3/21/2022	Radium-226	8.72E-04	7.57E-04	2.45E-03	pCi/m3	U
2106	582716002	4/18/2022	Radium-226	9.48E-04	1.27E-03	2.06E-03	pCi/m3	U
2106	585173002	5/16/2022	Radium-226	1.21E-03	9.77E-04	1.44E-03	pCi/m3	U
2106	587312002	6/13/2022	Radium-226	1.81E-03	1.12E-03	2.64E-03	pCi/m3	U
2106	592755001	7/11/2022	Radium-226	1.41E-03	1.12E-03	2.02E-03	pCi/m3	U
2106	594667002	8/8/2022	Radium-226	-3.82E-04	7.05E-04	2.08E-03	pCi/m3	U
2106	600159001	9/6/2022	Radium-226	3.21E-04	6.20E-04	1.80E-03	pCi/m3	U
2106	600160001	10/4/2022	Radium-226	1.17E-06	7.29E-04	2.30E-03	pCi/m3	U
2106	606088001	10/31/2022	Radium-226	8.05E-04	6.71E-04	2.32E-03	pCi/m3	U
2106	606540001	11/28/2022	Radium-226	6.15E-04	7.63E-04	2.36E-03	pCi/m3	U
2106	609503001	12/27/2022	Radium-226	7.92E-04	7.18E-04	1.53E-03	pCi/m3	U
2106	571519002	1/24/2022	Radium-228	1.62E-03	2.30E-03	5.43E-03	pCi/m3	U
2106	575119006	2/22/2022	Radium-228	7.91E-03	2.44E-03	3.26E-03	pCi/m3	U
2106	580222002	3/21/2022	Radium-228	2.20E-03	1.49E-03	4.71E-03	pCi/m3	U
2106	582716002	4/18/2022	Radium-228	4.79E-03	1.93E-03	5.44E-03	pCi/m3	U
2106	585173002	5/16/2022	Radium-228	7.91E-04	1.55E-03	5.38E-03	pCi/m3	U
2106	587312002	6/13/2022	Radium-228	-1.78E-03	1.32E-03	4.28E-03	pCi/m3	U
2106	592755001	7/11/2022	Radium-228	3.11E-03	1.66E-03	3.62E-03	pCi/m3	U
2106	594667002	8/8/2022	Radium-228	1.56E-03	1.76E-03	4.32E-03	pCi/m3	U
2106	600159001	9/6/2022	Radium-228	1.86E-03	1.41E-03	5.05E-03	pCi/m3	U
2106	600160001	10/4/2022	Radium-228	-8.20E-05	1.67E-03	6.10E-03	pCi/m3	U
2106	606088001	10/31/2022	Radium-228	3.47E-04	1.73E-03	5.81E-03	pCi/m3	U
2106	606540001	11/28/2022	Radium-228	5.06E-03	1.76E-03	6.67E-03	pCi/m3	U
2106	609503001	12/27/2022	Radium-228	3.69E-03	2.01E-03	5.44E-03	pCi/m3	U
2106	571519002	1/24/2022	Ruthenium-103	-1.70E-04	3.90E-04	1.25E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	575119006	2/22/2022	Ruthenium-103	8.38E-04	4.83E-04	1.75E-03	pCi/m3	U
2106	580222002	3/21/2022	Ruthenium-103	-1.07E-03	6.66E-04	1.59E-03	pCi/m3	U
2106	582716002	4/18/2022	Ruthenium-103	3.99E-04	5.84E-04	2.03E-03	pCi/m3	U
2106	585173002	5/16/2022	Ruthenium-103	-6.19E-04	6.34E-04	1.92E-03	pCi/m3	U
2106	587312002	6/13/2022	Ruthenium-103	-3.52E-04	4.91E-04	1.57E-03	pCi/m3	U
2106	592755001	7/11/2022	Ruthenium-103	-1.42E-03	8.01E-04	2.18E-03	pCi/m3	U
2106	594667002	8/8/2022	Ruthenium-103	5.30E-04	5.61E-04	2.00E-03	pCi/m3	U
2106	600159001	9/6/2022	Ruthenium-103	-1.11E-03	7.08E-04	1.90E-03	pCi/m3	U
2106	600160001	10/4/2022	Ruthenium-103	-8.81E-04	4.88E-04	1.33E-03	pCi/m3	U
2106	606088001	10/31/2022	Ruthenium-103	3.67E-04	8.27E-04	2.79E-03	pCi/m3	U
2106	606540001	11/28/2022	Ruthenium-103	3.81E-04	5.25E-04	1.85E-03	pCi/m3	U
2106	609503001	12/27/2022	Ruthenium-103	3.21E-04	4.43E-04	1.55E-03	pCi/m3	U
2106	571519002	1/24/2022	Ruthenium-106	-5.03E-03	2.45E-03	6.49E-03	pCi/m3	U
2106	575119006	2/22/2022	Ruthenium-106	1.11E-03	2.64E-03	9.13E-03	pCi/m3	U
2106	580222002	3/21/2022	Ruthenium-106	2.17E-03	2.56E-03	8.97E-03	pCi/m3	U
2106	582716002	4/18/2022	Ruthenium-106	-2.76E-03	2.74E-03	8.41E-03	pCi/m3	U
2106	585173002	5/16/2022	Ruthenium-106	-4.79E-03	2.52E-03	6.46E-03	pCi/m3	U
2106	587312002	6/13/2022	Ruthenium-106	3.11E-03	2.77E-03	9.68E-03	pCi/m3	U
2106	592755001	7/11/2022	Ruthenium-106	-2.76E-03	3.19E-03	8.12E-03	pCi/m3	U
2106	594667002	8/8/2022	Ruthenium-106	2.68E-03	2.33E-03	8.48E-03	pCi/m3	U
2106	600159001	9/6/2022	Ruthenium-106	6.67E-03	2.13E-03	5.83E-03	pCi/m3	UI
2106	600160001	10/4/2022	Ruthenium-106	8.08E-04	3.08E-03	1.02E-02	pCi/m3	U
2106	606088001	10/31/2022	Ruthenium-106	-2.68E-03	2.82E-03	8.10E-03	pCi/m3	U
2106	606540001	11/28/2022	Ruthenium-106	1.80E-04	2.92E-03	9.70E-03	pCi/m3	U
2106	609503001	12/27/2022	Ruthenium-106	4.01E-03	2.31E-03	8.74E-03	pCi/m3	U
2106	571519002	1/24/2022	Selenium-75	3.64E-06	3.58E-04	1.12E-03	pCi/m3	U
2106	575119006	2/22/2022	Selenium-75	-8.72E-05	3.81E-04	1.24E-03	pCi/m3	U
2106	580222002	3/21/2022	Selenium-75	-5.02E-04	3.80E-04	1.06E-03	pCi/m3	U
2106	582716002	4/18/2022	Selenium-75	-5.19E-04	3.78E-04	1.16E-03	pCi/m3	U
2106	585173002	5/16/2022	Selenium-75	-8.89E-06	3.83E-04	1.31E-03	pCi/m3	U
2106	587312002	6/13/2022	Selenium-75	-2.87E-04	3.88E-04	1.24E-03	pCi/m3	U
2106	592755001	7/11/2022	Selenium-75	6.10E-05	3.93E-04	1.36E-03	pCi/m3	U
2106	594667002	8/8/2022	Selenium-75	2.81E-04	3.99E-04	1.31E-03	pCi/m3	U
2106	600159001	9/6/2022	Selenium-75	-3.65E-04	3.85E-04	1.23E-03	pCi/m3	U
2106	600160001	10/4/2022	Selenium-75	2.14E-04	4.02E-04	1.38E-03	pCi/m3	U
2106	606088001	10/31/2022	Selenium-75	4.38E-04	4.73E-04	1.65E-03	pCi/m3	U
2106	606540001	11/28/2022	Selenium-75	-9.68E-05	3.91E-04	1.25E-03	pCi/m3	U
2106	609503001	12/27/2022	Selenium-75	-4.58E-04	2.94E-04	9.05E-04	pCi/m3	U
2106	571519002	1/24/2022	Silver-108m	5.43E-05	1.86E-04	6.34E-04	pCi/m3	U
2106	575119006	2/22/2022	Silver-108m	-9.87E-06	2.56E-04	8.15E-04	pCi/m3	U
2106	580222002	3/21/2022	Silver-108m	1.03E-04	1.82E-04	6.37E-04	pCi/m3	U
2106	582716002	4/18/2022	Silver-108m	-2.99E-04	2.18E-04	6.86E-04	pCi/m3	U
2106	585173002	5/16/2022	Silver-108m	-1.87E-04	2.13E-04	6.59E-04	pCi/m3	U
2106	587312002	6/13/2022	Silver-108m	2.46E-04	2.16E-04	7.74E-04	pCi/m3	U
2106	592755001	7/11/2022	Silver-108m	-2.94E-04	2.16E-04	6.37E-04	pCi/m3	U
2106	594667002	8/8/2022	Silver-108m	2.92E-04	2.37E-04	8.56E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	600159001	9/6/2022	Silver-108m	-1.68E-04	2.23E-04	5.81E-04	pCi/m3	U
2106	600160001	10/4/2022	Silver-108m	8.50E-04	6.21E-04	8.90E-04	pCi/m3	U
2106	606088001	10/31/2022	Silver-108m	-8.35E-05	2.36E-04	7.51E-04	pCi/m3	U
2106	606540001	11/28/2022	Silver-108m	2.22E-04	2.46E-04	8.76E-04	pCi/m3	U
2106	609503001	12/27/2022	Silver-108m	7.56E-04	6.86E-04	6.25E-04	pCi/m3	UI
2106	571519002	1/24/2022	Silver-110m	-1.27E-04	4.39E-04	1.46E-03	pCi/m3	U
2106	575119006	2/22/2022	Silver-110m	6.35E-04	4.51E-04	1.67E-03	pCi/m3	U
2106	580222002	3/21/2022	Silver-110m	9.22E-05	4.19E-04	1.31E-03	pCi/m3	U
2106	582716002	4/18/2022	Silver-110m	-2.64E-04	4.01E-04	1.27E-03	pCi/m3	U
2106	585173002	5/16/2022	Silver-110m	7.31E-05	4.58E-04	1.56E-03	pCi/m3	U
2106	587312002	6/13/2022	Silver-110m	-5.21E-04	4.01E-04	1.20E-03	pCi/m3	U
2106	592755001	7/11/2022	Silver-110m	6.81E-05	4.39E-04	1.52E-03	pCi/m3	U
2106	594667002	8/8/2022	Silver-110m	-7.00E-04	5.78E-04	1.31E-03	pCi/m3	U
2106	600159001	9/6/2022	Silver-110m	-4.42E-04	5.08E-04	1.48E-03	pCi/m3	U
2106	600160001	10/4/2022	Silver-110m	-2.87E-04	5.08E-04	1.50E-03	pCi/m3	U
2106	606088001	10/31/2022	Silver-110m	-1.21E-04	5.30E-04	1.76E-03	pCi/m3	U
2106	606540001	11/28/2022	Silver-110m	2.31E-05	4.87E-04	1.58E-03	pCi/m3	U
2106	609503001	12/27/2022	Silver-110m	7.86E-04	6.45E-04	1.47E-03	pCi/m3	U
2106	571519002	1/24/2022	Tellurium-132	-2.67E-01	5.78E-01	0.00E+00	pCi/m3	U
2106	575119006	2/22/2022	Tellurium-132	-2.53E+00	1.57E+00	0.00E+00	pCi/m3	U
2106	580222002	3/21/2022	Tellurium-132	3.22E+01	6.57E+01	0.00E+00	pCi/m3	UI
2106	582716002	4/18/2022	Tellurium-132	-2.20E+01	6.53E+01	0.00E+00	pCi/m3	U
2106	585173002	5/16/2022	Tellurium-132	3.36E+01	1.47E+01	0.00E+00	pCi/m3	UI
2106	587312002	6/13/2022	Tellurium-132	1.37E+00	2.89E+00	0.00E+00	pCi/m3	UI
2106	592755001	7/11/2022	Tellurium-132	9.11E+02	1.02E+03	0.00E+00	pCi/m3	UI
2106	594667002	8/8/2022	Tellurium-132	8.83E+00	1.30E+01	0.00E+00	pCi/m3	UI
2106	600159001	9/6/2022	Tellurium-132	-1.47E+02	2.28E+02	0.00E+00	pCi/m3	U
2106	600160001	10/4/2022	Tellurium-132	3.90E-01	7.17E-01	0.00E+00	pCi/m3	UI
2106	606088001	10/31/2022	Tellurium-132	6.27E+02	3.91E+02	0.00E+00	pCi/m3	UI
2106	606540001	11/28/2022	Tellurium-132	-6.19E-01	3.07E+00	0.00E+00	pCi/m3	U
2106	609503001	12/27/2022	Tellurium-132	3.37E+00	1.81E+00	0.00E+00	pCi/m3	UI
2106	571519002	1/24/2022	Thallium-208	4.70E-04	2.76E-04	1.01E-03	pCi/m3	U
2106	575119006	2/22/2022	Thallium-208	2.07E-04	4.70E-04	1.01E-03	pCi/m3	U
2106	580222002	3/21/2022	Thallium-208	7.19E-04	7.89E-04	8.85E-04	pCi/m3	U
2106	582716002	4/18/2022	Thallium-208	7.01E-04	5.87E-04	8.51E-04	pCi/m3	U
2106	585173002	5/16/2022	Thallium-208	3.36E-04	4.70E-04	1.10E-03	pCi/m3	U
2106	587312002	6/13/2022	Thallium-208	4.75E-04	3.69E-04	1.29E-03	pCi/m3	U
2106	592755001	7/11/2022	Thallium-208	-3.81E-04	4.04E-04	1.28E-03	pCi/m3	U
2106	594667002	8/8/2022	Thallium-208	-5.71E-04	3.16E-04	9.60E-04	pCi/m3	U
2106	600159001	9/6/2022	Thallium-208	9.45E-04	3.42E-04	1.23E-03	pCi/m3	U
2106	600160001	10/4/2022	Thallium-208	1.79E-03	5.35E-04	1.10E-03	pCi/m3	U
2106	606088001	10/31/2022	Thallium-208	3.07E-04	6.22E-04	1.16E-03	pCi/m3	U
2106	606540001	11/28/2022	Thallium-208	-3.49E-04	3.71E-04	1.20E-03	pCi/m3	U
2106	609503001	12/27/2022	Thallium-208	6.23E-04	5.43E-04	7.80E-04	pCi/m3	U
2106	571519002	1/24/2022	Thorium-228	1.19E-03	6.11E-04	1.12E-03	pCi/m3	UI
2106	575119006	2/22/2022	Thorium-228	1.46E-04	7.65E-04	1.92E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	580222002	3/21/2022	Thorium-228	1.04E-03	6.40E-04	1.72E-03	pCi/m3	U
2106	582716002	4/18/2022	Thorium-228	1.24E-03	7.87E-04	1.13E-03	pCi/m3	UI
2106	585173002	5/16/2022	Thorium-228	1.97E-04	7.14E-04	1.24E-03	pCi/m3	U
2106	587312002	6/13/2022	Thorium-228	1.97E-03	9.97E-04	1.90E-03	pCi/m3	UI
2106	592755001	7/11/2022	Thorium-228	4.11E-04	9.32E-04	1.37E-03	pCi/m3	U
2106	594667002	8/8/2022	Thorium-228	-3.98E-04	4.95E-04	1.60E-03	pCi/m3	U
2106	600159001	9/6/2022	Thorium-228	1.29E-03	5.98E-04	9.51E-04	pCi/m3	
2106	600160001	10/4/2022	Thorium-228	-5.19E-04	5.71E-04	1.69E-03	pCi/m3	U
2106	606088001	10/31/2022	Thorium-228	2.96E-03	1.20E-03	1.71E-03	pCi/m3	UI
2106	606540001	11/28/2022	Thorium-228	2.23E-04	7.17E-04	1.98E-03	pCi/m3	U
2106	609503001	12/27/2022	Thorium-228	2.28E-03	6.46E-04	2.17E-03	pCi/m3	UI
2106	571519002	1/24/2022	Thorium-230	8.99E-04	9.39E-04	1.79E-03	pCi/m3	U
2106	575119006	2/22/2022	Thorium-230	2.09E-03	9.95E-04	1.73E-03	pCi/m3	UI
2106	580222002	3/21/2022	Thorium-230	8.72E-04	7.57E-04	2.45E-03	pCi/m3	U
2106	582716002	4/18/2022	Thorium-230	9.48E-04	1.27E-03	2.06E-03	pCi/m3	U
2106	585173002	5/16/2022	Thorium-230	1.21E-03	9.77E-04	1.44E-03	pCi/m3	U
2106	587312002	6/13/2022	Thorium-230	1.81E-03	1.12E-03	2.64E-03	pCi/m3	U
2106	592755001	7/11/2022	Thorium-230	1.41E-03	1.12E-03	2.02E-03	pCi/m3	U
2106	594667002	8/8/2022	Thorium-230	-3.82E-04	7.05E-04	2.08E-03	pCi/m3	U
2106	600159001	9/6/2022	Thorium-230	3.21E-04	6.20E-04	1.80E-03	pCi/m3	U
2106	600160001	10/4/2022	Thorium-230	1.17E-06	7.29E-04	2.30E-03	pCi/m3	U
2106	606088001	10/31/2022	Thorium-230	8.05E-04	6.71E-04	2.32E-03	pCi/m3	U
2106	606540001	11/28/2022	Thorium-230	6.15E-04	7.63E-04	2.36E-03	pCi/m3	U
2106	609503001	12/27/2022	Thorium-230	7.92E-04	7.18E-04	1.53E-03	pCi/m3	U
2106	571519002	1/24/2022	Thorium-232	1.62E-03	2.30E-03	5.43E-03	pCi/m3	U
2106	575119006	2/22/2022	Thorium-232	7.91E-03	2.44E-03	3.26E-03	pCi/m3	
2106	580222002	3/21/2022	Thorium-232	2.20E-03	1.49E-03	4.71E-03	pCi/m3	U
2106	582716002	4/18/2022	Thorium-232	4.79E-03	1.93E-03	5.44E-03	pCi/m3	U
2106	585173002	5/16/2022	Thorium-232	7.91E-04	1.55E-03	5.38E-03	pCi/m3	U
2106	587312002	6/13/2022	Thorium-232	-1.78E-03	1.32E-03	4.28E-03	pCi/m3	U
2106	592755001	7/11/2022	Thorium-232	3.11E-03	1.66E-03	3.62E-03	pCi/m3	U
2106	594667002	8/8/2022	Thorium-232	1.56E-03	1.76E-03	4.32E-03	pCi/m3	U
2106	600159001	9/6/2022	Thorium-232	1.86E-03	1.41E-03	5.05E-03	pCi/m3	U
2106	600160001	10/4/2022	Thorium-232	-8.20E-05	1.67E-03	6.10E-03	pCi/m3	U
2106	606088001	10/31/2022	Thorium-232	3.47E-04	1.73E-03	5.81E-03	pCi/m3	U
2106	606540001	11/28/2022	Thorium-232	5.06E-03	1.76E-03	6.67E-03	pCi/m3	U
2106	609503001	12/27/2022	Thorium-232	3.69E-03	2.01E-03	5.44E-03	pCi/m3	U
2106	571519002	1/24/2022	Thorium-234	1.42E-02	1.53E-02	1.81E-02	pCi/m3	U
2106	575119006	2/22/2022	Thorium-234	2.16E-02	2.20E-02	3.70E-02	pCi/m3	U
2106	580222002	3/21/2022	Thorium-234	1.46E-02	1.26E-02	2.15E-02	pCi/m3	U
2106	582716002	4/18/2022	Thorium-234	-1.14E-02	1.41E-02	4.24E-02	pCi/m3	U
2106	585173002	5/16/2022	Thorium-234	6.28E-03	9.58E-03	2.63E-02	pCi/m3	U
2106	587312002	6/13/2022	Thorium-234	-2.91E-02	1.44E-02	4.19E-02	pCi/m3	U
2106	592755001	7/11/2022	Thorium-234	7.36E-04	8.26E-03	2.63E-02	pCi/m3	U
2106	594667002	8/8/2022	Thorium-234	1.72E-02	1.96E-02	4.24E-02	pCi/m3	U
2106	600159001	9/6/2022	Thorium-234	-7.16E-03	1.12E-02	3.45E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2106	600160001	10/4/2022	Thorium-234	5.71E-03	2.28E-02	4.50E-02	pCi/m3	U
2106	606088001	10/31/2022	Thorium-234	3.26E-02	1.87E-02	2.49E-02	pCi/m3	UI
2106	606540001	11/28/2022	Thorium-234	5.04E-03	2.25E-02	5.12E-02	pCi/m3	U
2106	609503001	12/27/2022	Thorium-234	-2.09E-02	7.40E-03	2.07E-02	pCi/m3	U
2106	571519002	1/24/2022	Uranium-234	8.99E-04	9.39E-04	1.79E-03	pCi/m3	U
2106	575119006	2/22/2022	Uranium-234	2.09E-03	9.95E-04	1.73E-03	pCi/m3	UI
2106	580222002	3/21/2022	Uranium-234	8.72E-04	7.57E-04	2.45E-03	pCi/m3	U
2106	582716002	4/18/2022	Uranium-234	9.48E-04	1.27E-03	2.06E-03	pCi/m3	U
2106	585173002	5/16/2022	Uranium-234	1.21E-03	9.77E-04	1.44E-03	pCi/m3	U
2106	587312002	6/13/2022	Uranium-234	1.81E-03	1.12E-03	2.64E-03	pCi/m3	U
2106	592755001	7/11/2022	Uranium-234	1.41E-03	1.12E-03	2.02E-03	pCi/m3	U
2106	594667002	8/8/2022	Uranium-234	-3.82E-04	7.05E-04	2.08E-03	pCi/m3	U
2106	600159001	9/6/2022	Uranium-234	3.21E-04	6.20E-04	1.80E-03	pCi/m3	U
2106	600160001	10/4/2022	Uranium-234	1.17E-06	7.29E-04	2.30E-03	pCi/m3	U
2106	606088001	10/31/2022	Uranium-234	8.05E-04	6.71E-04	2.32E-03	pCi/m3	U
2106	606540001	11/28/2022	Uranium-234	6.15E-04	7.63E-04	2.36E-03	pCi/m3	U
2106	609503001	12/27/2022	Uranium-234	7.92E-04	7.18E-04	1.53E-03	pCi/m3	U
2106	571519002	1/24/2022	Zinc-65	4.79E-04	7.38E-04	2.36E-03	pCi/m3	U
2106	575119006	2/22/2022	Zinc-65	-9.11E-04	8.05E-04	2.24E-03	pCi/m3	U
2106	580222002	3/21/2022	Zinc-65	6.78E-04	7.22E-04	2.66E-03	pCi/m3	U
2106	582716002	4/18/2022	Zinc-65	5.32E-04	7.15E-04	2.22E-03	pCi/m3	U
2106	585173002	5/16/2022	Zinc-65	2.34E-04	8.53E-04	2.57E-03	pCi/m3	U
2106	587312002	6/13/2022	Zinc-65	-7.84E-04	8.63E-04	2.64E-03	pCi/m3	U
2106	592755001	7/11/2022	Zinc-65	2.05E-03	1.01E-03	3.87E-03	pCi/m3	U
2106	594667002	8/8/2022	Zinc-65	6.28E-04	7.98E-04	2.88E-03	pCi/m3	U
2106	600159001	9/6/2022	Zinc-65	-2.15E-03	1.01E-03	2.02E-03	pCi/m3	U
2106	600160001	10/4/2022	Zinc-65	-4.96E-04	7.62E-04	2.37E-03	pCi/m3	U
2106	606088001	10/31/2022	Zinc-65	2.96E-04	7.71E-04	2.70E-03	pCi/m3	U
2106	606540001	11/28/2022	Zinc-65	-2.77E-04	8.77E-04	2.44E-03	pCi/m3	U
2106	609503001	12/27/2022	Zinc-65	-5.55E-05	6.00E-04	1.98E-03	pCi/m3	U
2106	571519002	1/24/2022	Zirconium-95	1.79E-05	7.98E-04	2.29E-03	pCi/m3	U
2106	575119006	2/22/2022	Zirconium-95	-6.40E-04	8.02E-04	2.47E-03	pCi/m3	U
2106	580222002	3/21/2022	Zirconium-95	-7.97E-04	9.20E-04	2.69E-03	pCi/m3	U
2106	582716002	4/18/2022	Zirconium-95	5.48E-04	8.27E-04	2.80E-03	pCi/m3	U
2106	585173002	5/16/2022	Zirconium-95	4.31E-04	7.96E-04	2.83E-03	pCi/m3	U
2106	587312002	6/13/2022	Zirconium-95	8.73E-04	8.81E-04	3.01E-03	pCi/m3	U
2106	592755001	7/11/2022	Zirconium-95	-5.32E-04	9.85E-04	2.93E-03	pCi/m3	U
2106	594667002	8/8/2022	Zirconium-95	-9.01E-05	9.71E-04	3.09E-03	pCi/m3	U
2106	600159001	9/6/2022	Zirconium-95	-1.32E-03	9.03E-04	2.47E-03	pCi/m3	U
2106	600160001	10/4/2022	Zirconium-95	4.71E-04	7.22E-04	2.29E-03	pCi/m3	U
2106	606088001	10/31/2022	Zirconium-95	3.74E-03	2.24E-03	4.53E-03	pCi/m3	U
2106	606540001	11/28/2022	Zirconium-95	-4.31E-04	7.23E-04	2.10E-03	pCi/m3	U
2106	609503001	12/27/2022	Zirconium-95	1.11E-03	6.50E-04	2.49E-03	pCi/m3	U
2107	571519003	1/24/2022	Actinium-228	4.53E-03	1.48E-03	4.84E-03	pCi/m3	U
2107	575119003	2/22/2022	Actinium-228	-4.95E-04	9.98E-04	3.25E-03	pCi/m3	U
2107	580222003	3/21/2022	Actinium-228	4.80E-04	1.29E-03	3.04E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2107	582716003	4/18/2022	Actinium-228	1.57E-03	1.02E-03	3.67E-03	pCi/m3	U
2107	585173003	5/16/2022	Actinium-228	1.66E-04	9.74E-04	3.34E-03	pCi/m3	U
2107	587312001	6/13/2022	Actinium-228	-4.50E-03	1.88E-03	5.30E-03	pCi/m3	U
2107	592755004	7/11/2022	Actinium-228	1.11E-03	1.09E-03	4.07E-03	pCi/m3	U
2107	594667003	8/8/2022	Actinium-228	7.98E-04	1.21E-03	3.30E-03	pCi/m3	U
2107	600159004	9/6/2022	Actinium-228	-4.48E-03	2.17E-03	5.93E-03	pCi/m3	U
2107	600160004	10/4/2022	Actinium-228	-2.31E-03	9.81E-04	2.37E-03	pCi/m3	U
2107	606088004	10/31/2022	Actinium-228	2.06E-03	1.72E-03	4.42E-03	pCi/m3	U
2107	606540004	11/28/2022	Actinium-228	-4.32E-04	1.45E-03	4.83E-03	pCi/m3	U
2107	609503004	12/27/2022	Actinium-228	2.43E-03	1.63E-03	4.25E-03	pCi/m3	U
2107	571519003	1/24/2022	Americium-241	1.49E-03	1.30E-03	4.07E-03	pCi/m3	U
2107	575119003	2/22/2022	Americium-241	3.29E-04	4.38E-04	1.41E-03	pCi/m3	U
2107	580222003	3/21/2022	Americium-241	-4.81E-04	1.01E-03	3.28E-03	pCi/m3	U
2107	582716003	4/18/2022	Americium-241	-2.82E-04	7.60E-04	2.63E-03	pCi/m3	U
2107	585173003	5/16/2022	Americium-241	2.51E-04	9.24E-04	2.82E-03	pCi/m3	U
2107	587312001	6/13/2022	Americium-241	8.95E-04	6.78E-04	2.18E-03	pCi/m3	U
2107	592755004	7/11/2022	Americium-241	-9.02E-04	1.15E-03	3.57E-03	pCi/m3	U
2107	594667003	8/8/2022	Americium-241	-4.96E-04	7.06E-04	1.81E-03	pCi/m3	U
2107	600159004	9/6/2022	Americium-241	7.04E-05	7.40E-04	2.30E-03	pCi/m3	U
2107	600160004	10/4/2022	Americium-241	-1.67E-03	9.85E-04	2.78E-03	pCi/m3	U
2107	606088004	10/31/2022	Americium-241	4.75E-05	5.74E-04	1.74E-03	pCi/m3	U
2107	606540004	11/28/2022	Americium-241	3.24E-04	4.47E-04	1.54E-03	pCi/m3	U
2107	609503004	12/27/2022	Americium-241	9.15E-04	6.40E-04	2.19E-03	pCi/m3	U
2107	571519003	1/24/2022	Antimony-124	-2.25E-03	1.02E-03	1.73E-03	pCi/m3	U
2107	575119003	2/22/2022	Antimony-124	-7.20E-04	7.43E-04	2.08E-03	pCi/m3	U
2107	580222003	3/21/2022	Antimony-124	5.39E-04	1.05E-03	3.63E-03	pCi/m3	U
2107	582716003	4/18/2022	Antimony-124	-2.60E-05	1.15E-03	3.79E-03	pCi/m3	U
2107	585173003	5/16/2022	Antimony-124	1.76E-05	8.73E-04	2.90E-03	pCi/m3	U
2107	587312001	6/13/2022	Antimony-124	-4.40E-03	2.04E-03	4.09E-03	pCi/m3	U
2107	592755004	7/11/2022	Antimony-124	6.27E-04	1.56E-03	5.38E-03	pCi/m3	U
2107	594667003	8/8/2022	Antimony-124	-4.06E-04	1.12E-03	3.57E-03	pCi/m3	U
2107	600159004	9/6/2022	Antimony-124	-1.84E-03	2.27E-03	6.16E-03	pCi/m3	U
2107	600160004	10/4/2022	Antimony-124	-1.69E-04	9.78E-04	3.14E-03	pCi/m3	U
2107	606088004	10/31/2022	Antimony-124	-1.78E-03	1.57E-03	4.14E-03	pCi/m3	U
2107	606540004	11/28/2022	Antimony-124	2.11E-04	8.65E-04	2.91E-03	pCi/m3	U
2107	609503004	12/27/2022	Antimony-124	-4.04E-04	1.05E-03	3.24E-03	pCi/m3	U
2107	571519003	1/24/2022	Antimony-125	-2.44E-04	6.26E-04	1.97E-03	pCi/m3	U
2107	575119003	2/22/2022	Antimony-125	3.62E-05	5.01E-04	1.60E-03	pCi/m3	U
2107	580222003	3/21/2022	Antimony-125	-9.09E-06	4.47E-04	1.41E-03	pCi/m3	U
2107	582716003	4/18/2022	Antimony-125	3.17E-04	5.20E-04	1.81E-03	pCi/m3	U
2107	585173003	5/16/2022	Antimony-125	-1.62E-04	3.98E-04	1.25E-03	pCi/m3	U
2107	587312001	6/13/2022	Antimony-125	2.21E-04	9.44E-04	3.21E-03	pCi/m3	U
2107	592755004	7/11/2022	Antimony-125	1.36E-05	6.92E-04	2.19E-03	pCi/m3	U
2107	594667003	8/8/2022	Antimony-125	-1.14E-03	6.92E-04	1.73E-03	pCi/m3	U
2107	600159004	9/6/2022	Antimony-125	-1.12E-03	1.14E-03	3.23E-03	pCi/m3	U
2107	600160004	10/4/2022	Antimony-125	5.67E-04	5.33E-04	1.94E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	606088004	10/31/2022	Antimony-125	1.35E-03	7.73E-04	2.08E-03	pCi/m3	U
2107	606540004	11/28/2022	Antimony-125	-1.54E-04	5.60E-04	1.82E-03	pCi/m3	U
2107	609503004	12/27/2022	Antimony-125	5.11E-05	5.18E-04	1.76E-03	pCi/m3	U
2107	571519003	1/24/2022	Barium-140	2.52E-03	6.85E-03	2.27E-02	pCi/m3	U
2107	575119003	2/22/2022	Barium-140	-4.95E-04	5.18E-03	1.73E-02	pCi/m3	U
2107	580222003	3/21/2022	Barium-140	1.48E-02	1.41E-02	4.98E-02	pCi/m3	U
2107	582716003	4/18/2022	Barium-140	1.56E-02	1.50E-02	5.39E-02	pCi/m3	U
2107	585173003	5/16/2022	Barium-140	-3.52E-03	8.44E-03	2.71E-02	pCi/m3	U
2107	587312001	6/13/2022	Barium-140	1.73E-02	1.63E-02	5.78E-02	pCi/m3	U
2107	592755004	7/11/2022	Barium-140	9.88E-02	4.54E-02	1.49E-01	pCi/m3	U
2107	594667003	8/8/2022	Barium-140	6.04E-03	1.24E-02	4.18E-02	pCi/m3	U
2107	600159004	9/6/2022	Barium-140	-6.95E-02	4.59E-02	1.28E-01	pCi/m3	U
2107	600160004	10/4/2022	Barium-140	3.75E-05	6.10E-03	2.04E-02	pCi/m3	U
2107	606088004	10/31/2022	Barium-140	1.26E-01	4.26E-02	1.08E-01	pCi/m3	UI
2107	606540004	11/28/2022	Barium-140	-8.32E-03	8.21E-03	2.44E-02	pCi/m3	U
2107	609503004	12/27/2022	Barium-140	3.32E-03	6.33E-03	2.20E-02	pCi/m3	U
2107	571519003	1/24/2022	Beryllium-7	9.46E-02	1.05E-02	9.16E-03	pCi/m3	
2107	575119003	2/22/2022	Beryllium-7	1.32E-01	8.20E-03	7.45E-03	pCi/m3	
2107	580222003	3/21/2022	Beryllium-7	1.02E-01	7.60E-03	9.32E-03	pCi/m3	
2107	582716003	4/18/2022	Beryllium-7	1.57E-01	9.64E-03	1.03E-02	pCi/m3	
2107	585173003	5/16/2022	Beryllium-7	1.30E-01	9.06E-03	8.86E-03	pCi/m3	
2107	587312001	6/13/2022	Beryllium-7	1.18E-01	1.48E-02	1.49E-02	pCi/m3	
2107	592755004	7/11/2022	Beryllium-7	1.22E-01	1.33E-02	1.96E-02	pCi/m3	
2107	594667003	8/8/2022	Beryllium-7	1.03E-01	9.28E-03	9.25E-03	pCi/m3	
2107	600159004	9/6/2022	Beryllium-7	8.54E-02	1.82E-02	2.11E-02	pCi/m3	
2107	600160004	10/4/2022	Beryllium-7	1.06E-01	9.01E-03	8.80E-03	pCi/m3	
2107	606088004	10/31/2022	Beryllium-7	1.47E-01	1.43E-02	1.49E-02	pCi/m3	
2107	606540004	11/28/2022	Beryllium-7	8.92E-02	1.02E-02	1.00E-02	pCi/m3	
2107	609503004	12/27/2022	Beryllium-7	7.68E-02	7.50E-03	8.69E-03	pCi/m3	
2107	566166003	1/4/2022	BETA	2.24E-02	1.44E-03	1.54E-03	pCi/m3	
2107	566829003	1/10/2022	BETA	4.96E-02	2.40E-03	2.04E-03	pCi/m3	
2107	567639007	1/18/2022	BETA	5.33E-02	1.95E-03	1.29E-03	pCi/m3	
2107	568220005	1/24/2022	BETA	4.07E-02	2.01E-03	1.81E-03	pCi/m3	
2107	568941007	1/31/2022	BETA	3.29E-02	1.54E-03	1.34E-03	pCi/m3	
2107	569535005	2/7/2022	BETA	3.90E-02	1.84E-03	1.47E-03	pCi/m3	
2107	570265013	2/14/2022	BETA	4.09E-02	1.78E-03	1.50E-03	pCi/m3	
2107	571000005	2/22/2022	BETA	3.50E-02	1.41E-03	1.11E-03	pCi/m3	
2107	571637005	2/28/2022	BETA	2.97E-02	1.45E-03	1.27E-03	pCi/m3	
2107	572310005	3/7/2022	BETA	5.67E-02	2.21E-03	1.54E-03	pCi/m3	
2107	573044005	3/14/2022	BETA	2.86E-02	1.51E-03	1.34E-03	pCi/m3	
2107	573809005	3/21/2022	BETA	2.43E-02	1.28E-03	1.21E-03	pCi/m3	
2107	574543005	3/28/2022	BETA	2.58E-02	1.24E-03	1.07E-03	pCi/m3	
2107	575131005	4/4/2022	BETA	3.39E-02	1.71E-03	1.49E-03	pCi/m3	
2107	576092007	4/11/2022	BETA	2.56E-02	1.43E-03	1.41E-03	pCi/m3	
2107	576835007	4/18/2022	BETA	3.34E-02	1.71E-03	1.51E-03	pCi/m3	
2107	577597013	4/25/2022	BETA	3.57E-02	1.68E-03	1.44E-03	pCi/m3	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	578409017	5/2/2022	BETA	3.96E-02	1.84E-03	1.52E-03	pCi/m3	
2107	579262011	5/9/2022	BETA	2.29E-02	1.37E-03	1.37E-03	pCi/m3	
2107	580035005	5/16/2022	BETA	2.78E-02	1.50E-03	1.38E-03	pCi/m3	
2107	580692005	5/23/2022	BETA	3.51E-02	1.74E-03	1.49E-03	pCi/m3	
2107	581372013	5/31/2022	BETA	2.01E-02	1.07E-03	1.12E-03	pCi/m3	
2107	581946005	6/6/2022	BETA	3.45E-02	1.85E-03	1.73E-03	pCi/m3	
2107	582788001	6/13/2022	BETA	2.31E-02	1.32E-03	1.32E-03	pCi/m3	
2107	583525009	6/21/2022	BETA	3.06E-02	1.43E-03	1.19E-03	pCi/m3	
2107	584134019	6/28/2022	BETA	3.57E-02	1.70E-03	1.47E-03	pCi/m3	
2107	584823013	7/5/2022	BETA	2.63E-02	1.43E-03	1.33E-03	pCi/m3	
2107	585557007	7/11/2022	BETA	2.30E-02	1.45E-03	1.52E-03	pCi/m3	
2107	586344005	7/18/2022	BETA	3.25E-02	1.63E-03	1.42E-03	pCi/m3	
2107	587147009	7/25/2022	BETA	2.56E-02	1.44E-03	1.46E-03	pCi/m3	
2107	587889005	8/2/2022	BETA	1.77E-02	1.09E-03	1.13E-03	pCi/m3	
2107	589386003	8/8/2022	BETA	2.16E-02	1.37E-03	1.50E-03	pCi/m3	
2107	589633013	8/15/2022	BETA	3.05E-02	1.62E-03	1.71E-03	pCi/m3	
2107	590523005	8/22/2022	BETA	3.83E-02	1.63E-03	1.24E-03	pCi/m3	
2107	591270005	8/29/2022	BETA	3.43E-02	1.77E-03	1.62E-03	pCi/m3	
2107	592020007	9/6/2022	BETA	2.67E-02	1.39E-03	1.25E-03	pCi/m3	
2107	592698009	9/12/2022	BETA	2.90E-02	1.67E-03	1.63E-03	pCi/m3	
2107	593605007	9/19/2022	BETA	4.28E-02	1.84E-03	1.36E-03	pCi/m3	
2107	594421007	9/26/2022	BETA	4.54E-02	1.96E-03	1.64E-03	pCi/m3	
2107	594992009	10/4/2022	BETA	2.20E-02	1.24E-03	1.16E-03	pCi/m3	
2107	596154003	10/11/2022	BETA	4.06E-02	1.88E-03	1.54E-03	pCi/m3	
2107	597078015	10/17/2022	BETA	4.24E-02	2.02E-03	1.68E-03	pCi/m3	
2107	597937009	10/24/2022	BETA	4.30E-02	1.86E-03	1.41E-03	pCi/m3	
2107	598805007	10/31/2022	BETA	3.21E-02	1.54E-03	1.27E-03	pCi/m3	
2107	599718007	11/7/2022	BETA	3.99E-02	1.63E-03	1.18E-03	pCi/m3	
2107	600677007	11/14/2022	BETA	3.38E-02	1.74E-03	1.56E-03	pCi/m3	
2107	601448005	11/21/2022	BETA	4.78E-02	1.90E-03	1.31E-03	pCi/m3	
2107	602118007	11/28/2022	BETA	5.45E-02	2.60E-03	2.22E-03	pCi/m3	
2107	602825009	12/5/2022	BETA	4.29E-02	2.24E-03	1.99E-03	pCi/m3	
2107	603752007	12/12/2022	BETA	2.30E-02	1.28E-03	1.21E-03	pCi/m3	
2107	604620009	12/19/2022	BETA	3.99E-02	1.61E-03	1.14E-03	pCi/m3	
2107	605322013	12/27/2022	BETA	3.92E-02	1.40E-03	8.90E-04	pCi/m3	
2107	571519003	1/24/2022	Bismuth-214	4.19E-03	1.06E-03	3.15E-03	pCi/m3	UI
2107	575119003	2/22/2022	Bismuth-214	2.97E-04	5.21E-04	1.71E-03	pCi/m3	U
2107	580222003	3/21/2022	Bismuth-214	1.46E-03	1.07E-03	1.83E-03	pCi/m3	U
2107	582716003	4/18/2022	Bismuth-214	-8.39E-04	4.96E-04	1.40E-03	pCi/m3	U
2107	585173003	5/16/2022	Bismuth-214	-7.40E-05	5.03E-04	1.50E-03	pCi/m3	U
2107	587312001	6/13/2022	Bismuth-214	2.26E-05	1.25E-03	3.68E-03	pCi/m3	U
2107	592755004	7/11/2022	Bismuth-214	1.47E-03	1.08E-03	2.11E-03	pCi/m3	U
2107	594667003	8/8/2022	Bismuth-214	2.67E-04	6.02E-04	1.98E-03	pCi/m3	U
2107	600159004	9/6/2022	Bismuth-214	9.96E-04	2.21E-03	3.95E-03	pCi/m3	U
2107	600160004	10/4/2022	Bismuth-214	-1.24E-03	5.55E-04	1.55E-03	pCi/m3	U
2107	606088004	10/31/2022	Bismuth-214	2.34E-04	6.10E-04	1.90E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	606540004	11/28/2022	Bismuth-214	2.22E-04	9.91E-04	1.64E-03	pCi/m3	U
2107	609503004	12/27/2022	Bismuth-214	4.78E-04	8.20E-04	2.05E-03	pCi/m3	U
2107	571519003	1/24/2022	Cerium-141	-7.65E-04	6.82E-04	2.02E-03	pCi/m3	U
2107	575119003	2/22/2022	Cerium-141	3.83E-04	6.50E-04	1.57E-03	pCi/m3	U
2107	580222003	3/21/2022	Cerium-141	-9.19E-04	7.08E-04	2.06E-03	pCi/m3	U
2107	582716003	4/18/2022	Cerium-141	-2.11E-04	5.62E-04	1.82E-03	pCi/m3	U
2107	585173003	5/16/2022	Cerium-141	2.09E-04	5.63E-04	1.88E-03	pCi/m3	U
2107	587312001	6/13/2022	Cerium-141	-9.33E-04	1.17E-03	3.09E-03	pCi/m3	U
2107	592755004	7/11/2022	Cerium-141	-9.44E-04	1.24E-03	3.71E-03	pCi/m3	U
2107	594667003	8/8/2022	Cerium-141	3.10E-04	6.60E-04	2.17E-03	pCi/m3	U
2107	600159004	9/6/2022	Cerium-141	3.01E-04	1.45E-03	4.73E-03	pCi/m3	U
2107	600160004	10/4/2022	Cerium-141	-1.51E-04	5.00E-04	1.46E-03	pCi/m3	U
2107	606088004	10/31/2022	Cerium-141	-2.67E-03	1.01E-03	2.63E-03	pCi/m3	U
2107	606540004	11/28/2022	Cerium-141	-9.54E-04	7.23E-04	2.05E-03	pCi/m3	U
2107	609503004	12/27/2022	Cerium-141	-5.58E-04	6.29E-04	1.78E-03	pCi/m3	U
2107	571519003	1/24/2022	Cerium-144	1.47E-03	1.27E-03	4.49E-03	pCi/m3	U
2107	575119003	2/22/2022	Cerium-144	-9.18E-04	8.46E-04	2.72E-03	pCi/m3	U
2107	580222003	3/21/2022	Cerium-144	2.88E-04	9.77E-04	3.12E-03	pCi/m3	U
2107	582716003	4/18/2022	Cerium-144	-7.64E-05	8.68E-04	2.67E-03	pCi/m3	U
2107	585173003	5/16/2022	Cerium-144	-1.94E-04	8.07E-04	2.61E-03	pCi/m3	U
2107	587312001	6/13/2022	Cerium-144	4.71E-04	1.40E-03	4.60E-03	pCi/m3	U
2107	592755004	7/11/2022	Cerium-144	1.83E-03	1.36E-03	4.62E-03	pCi/m3	U
2107	594667003	8/8/2022	Cerium-144	1.99E-04	1.02E-03	3.30E-03	pCi/m3	U
2107	600159004	9/6/2022	Cerium-144	1.30E-03	2.03E-03	6.28E-03	pCi/m3	U
2107	600160004	10/4/2022	Cerium-144	5.76E-04	1.16E-03	3.85E-03	pCi/m3	U
2107	606088004	10/31/2022	Cerium-144	4.16E-04	1.14E-03	3.67E-03	pCi/m3	U
2107	606540004	11/28/2022	Cerium-144	-1.33E-03	1.19E-03	3.58E-03	pCi/m3	U
2107	609503004	12/27/2022	Cerium-144	1.00E-03	1.09E-03	3.70E-03	pCi/m3	U
2107	571519003	1/24/2022	Cesium-134	2.29E-04	3.72E-04	1.31E-03	pCi/m3	U
2107	575119003	2/22/2022	Cesium-134	-3.34E-04	2.31E-04	6.65E-04	pCi/m3	U
2107	580222003	3/21/2022	Cesium-134	-1.26E-05	1.95E-04	6.22E-04	pCi/m3	U
2107	582716003	4/18/2022	Cesium-134	3.90E-05	2.68E-04	9.16E-04	pCi/m3	U
2107	585173003	5/16/2022	Cesium-134	3.34E-04	1.85E-04	7.33E-04	pCi/m3	U
2107	587312001	6/13/2022	Cesium-134	-5.91E-04	5.08E-04	1.42E-03	pCi/m3	U
2107	592755004	7/11/2022	Cesium-134	5.73E-04	2.66E-04	9.58E-04	pCi/m3	U
2107	594667003	8/8/2022	Cesium-134	-2.07E-04	2.58E-04	8.07E-04	pCi/m3	U
2107	600159004	9/6/2022	Cesium-134	-1.27E-03	6.31E-04	1.52E-03	pCi/m3	U
2107	600160004	10/4/2022	Cesium-134	3.59E-04	2.49E-04	9.40E-04	pCi/m3	U
2107	606088004	10/31/2022	Cesium-134	5.25E-04	2.93E-04	1.10E-03	pCi/m3	U
2107	606540004	11/28/2022	Cesium-134	1.21E-04	3.05E-04	1.01E-03	pCi/m3	U
2107	609503004	12/27/2022	Cesium-134	5.03E-04	2.93E-04	1.02E-03	pCi/m3	U
2107	571519003	1/24/2022	Cesium-137	3.60E-05	2.79E-04	8.97E-04	pCi/m3	U
2107	575119003	2/22/2022	Cesium-137	7.56E-05	1.83E-04	6.27E-04	pCi/m3	U
2107	580222003	3/21/2022	Cesium-137	-8.67E-05	1.99E-04	6.32E-04	pCi/m3	U
2107	582716003	4/18/2022	Cesium-137	-1.73E-04	2.79E-04	7.21E-04	pCi/m3	U
2107	585173003	5/16/2022	Cesium-137	-2.90E-04	2.48E-04	7.09E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	587312001	6/13/2022	Cesium-137	-1.10E-04	4.07E-04	1.28E-03	pCi/m3	U
2107	592755004	7/11/2022	Cesium-137	-3.46E-04	2.95E-04	8.44E-04	pCi/m3	U
2107	594667003	8/8/2022	Cesium-137	-7.89E-04	3.25E-04	1.05E-03	pCi/m3	U
2107	600159004	9/6/2022	Cesium-137	-3.04E-04	5.28E-04	1.63E-03	pCi/m3	U
2107	600160004	10/4/2022	Cesium-137	-1.12E-05	2.64E-04	8.58E-04	pCi/m3	U
2107	606088004	10/31/2022	Cesium-137	1.31E-05	2.54E-04	8.21E-04	pCi/m3	U
2107	606540004	11/28/2022	Cesium-137	8.36E-04	4.17E-04	6.98E-04	pCi/m3	UI
2107	609503004	12/27/2022	Cesium-137	-4.18E-05	2.22E-04	7.16E-04	pCi/m3	U
2107	571519003	1/24/2022	Chromium-51	1.41E-03	4.42E-03	1.48E-02	pCi/m3	U
2107	575119003	2/22/2022	Chromium-51	2.65E-03	4.03E-03	1.34E-02	pCi/m3	U
2107	580222003	3/21/2022	Chromium-51	-6.41E-03	5.75E-03	1.77E-02	pCi/m3	U
2107	582716003	4/18/2022	Chromium-51	2.54E-03	5.51E-03	1.94E-02	pCi/m3	U
2107	585173003	5/16/2022	Chromium-51	3.38E-03	4.39E-03	1.46E-02	pCi/m3	U
2107	587312001	6/13/2022	Chromium-51	6.39E-04	7.92E-03	2.71E-02	pCi/m3	U
2107	592755004	7/11/2022	Chromium-51	-1.44E-02	1.02E-02	3.11E-02	pCi/m3	U
2107	594667003	8/8/2022	Chromium-51	-2.30E-03	5.53E-03	1.82E-02	pCi/m3	U
2107	600159004	9/6/2022	Chromium-51	1.03E-02	1.36E-02	4.84E-02	pCi/m3	U
2107	600160004	10/4/2022	Chromium-51	4.56E-03	3.87E-03	1.42E-02	pCi/m3	U
2107	606088004	10/31/2022	Chromium-51	5.29E-03	8.25E-03	2.87E-02	pCi/m3	U
2107	606540004	11/28/2022	Chromium-51	7.79E-03	4.88E-03	1.79E-02	pCi/m3	U
2107	609503004	12/27/2022	Chromium-51	1.52E-03	4.70E-03	1.49E-02	pCi/m3	U
2107	571519003	1/24/2022	Cobalt-57	2.26E-04	1.43E-04	5.20E-04	pCi/m3	U
2107	575119003	2/22/2022	Cobalt-57	8.10E-05	1.05E-04	3.66E-04	pCi/m3	U
2107	580222003	3/21/2022	Cobalt-57	2.31E-05	1.29E-04	4.13E-04	pCi/m3	U
2107	582716003	4/18/2022	Cobalt-57	9.78E-05	1.08E-04	3.82E-04	pCi/m3	U
2107	585173003	5/16/2022	Cobalt-57	1.40E-04	1.09E-04	3.84E-04	pCi/m3	U
2107	587312001	6/13/2022	Cobalt-57	2.22E-04	2.06E-04	7.03E-04	pCi/m3	U
2107	592755004	7/11/2022	Cobalt-57	1.77E-04	1.79E-04	5.60E-04	pCi/m3	U
2107	594667003	8/8/2022	Cobalt-57	5.35E-05	1.27E-04	4.18E-04	pCi/m3	U
2107	600159004	9/6/2022	Cobalt-57	2.15E-04	2.43E-04	8.22E-04	pCi/m3	U
2107	600160004	10/4/2022	Cobalt-57	7.31E-05	1.21E-04	4.08E-04	pCi/m3	U
2107	606088004	10/31/2022	Cobalt-57	-1.22E-04	1.52E-04	4.59E-04	pCi/m3	U
2107	606540004	11/28/2022	Cobalt-57	2.63E-04	1.45E-04	5.09E-04	pCi/m3	U
2107	609503004	12/27/2022	Cobalt-57	-9.09E-05	1.33E-04	4.20E-04	pCi/m3	U
2107	571519003	1/24/2022	Cobalt-58	2.89E-04	3.13E-04	1.15E-03	pCi/m3	U
2107	575119003	2/22/2022	Cobalt-58	1.08E-04	2.60E-04	8.83E-04	pCi/m3	U
2107	580222003	3/21/2022	Cobalt-58	5.43E-05	3.25E-04	1.06E-03	pCi/m3	U
2107	582716003	4/18/2022	Cobalt-58	2.25E-04	3.00E-04	1.10E-03	pCi/m3	U
2107	585173003	5/16/2022	Cobalt-58	2.68E-04	2.12E-04	8.19E-04	pCi/m3	U
2107	587312001	6/13/2022	Cobalt-58	-3.42E-04	5.90E-04	1.75E-03	pCi/m3	U
2107	592755004	7/11/2022	Cobalt-58	-4.83E-04	4.34E-04	1.15E-03	pCi/m3	U
2107	594667003	8/8/2022	Cobalt-58	-1.65E-04	3.46E-04	1.12E-03	pCi/m3	U
2107	600159004	9/6/2022	Cobalt-58	2.28E-04	6.58E-04	2.20E-03	pCi/m3	U
2107	600160004	10/4/2022	Cobalt-58	-3.81E-04	3.12E-04	8.47E-04	pCi/m3	U
2107	606088004	10/31/2022	Cobalt-58	2.00E-04	4.24E-04	1.42E-03	pCi/m3	U
2107	606540004	11/28/2022	Cobalt-58	3.39E-04	3.97E-04	1.36E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	609503004	12/27/2022	Cobalt-58	2.20E-04	3.85E-04	1.31E-03	pCi/m3	U
2107	571519003	1/24/2022	Cobalt-60	9.29E-04	4.78E-04	1.39E-03	pCi/m3	U
2107	575119003	2/22/2022	Cobalt-60	1.28E-05	1.72E-04	5.81E-04	pCi/m3	U
2107	580222003	3/21/2022	Cobalt-60	-1.45E-05	2.10E-04	6.73E-04	pCi/m3	U
2107	582716003	4/18/2022	Cobalt-60	-8.74E-05	3.14E-04	9.69E-04	pCi/m3	U
2107	585173003	5/16/2022	Cobalt-60	2.20E-04	1.96E-04	7.69E-04	pCi/m3	U
2107	587312001	6/13/2022	Cobalt-60	-7.49E-04	6.40E-04	1.90E-03	pCi/m3	U
2107	592755004	7/11/2022	Cobalt-60	-7.77E-04	3.78E-04	9.07E-04	pCi/m3	U
2107	594667003	8/8/2022	Cobalt-60	1.98E-04	2.73E-04	9.74E-04	pCi/m3	U
2107	600159004	9/6/2022	Cobalt-60	1.14E-04	4.65E-04	1.59E-03	pCi/m3	U
2107	600160004	10/4/2022	Cobalt-60	-4.83E-05	2.37E-04	7.70E-04	pCi/m3	U
2107	606088004	10/31/2022	Cobalt-60	-2.43E-04	3.07E-04	8.99E-04	pCi/m3	U
2107	606540004	11/28/2022	Cobalt-60	2.46E-04	3.82E-04	1.33E-03	pCi/m3	U
2107	609503004	12/27/2022	Cobalt-60	-2.38E-04	2.89E-04	8.68E-04	pCi/m3	U
2107	571519003	1/24/2022	Iron-59	-1.60E-04	7.96E-04	2.58E-03	pCi/m3	U
2107	575119003	2/22/2022	Iron-59	5.70E-04	6.45E-04	2.28E-03	pCi/m3	U
2107	580222003	3/21/2022	Iron-59	-2.75E-04	1.09E-03	3.03E-03	pCi/m3	U
2107	582716003	4/18/2022	Iron-59	0.00E+00	1.10E-03	3.58E-03	pCi/m3	U
2107	585173003	5/16/2022	Iron-59	2.81E-04	9.93E-04	3.27E-03	pCi/m3	U
2107	587312001	6/13/2022	Iron-59	7.97E-04	1.67E-03	5.87E-03	pCi/m3	U
2107	592755004	7/11/2022	Iron-59	1.61E-03	1.80E-03	6.54E-03	pCi/m3	U
2107	594667003	8/8/2022	Iron-59	3.73E-04	8.65E-04	3.02E-03	pCi/m3	U
2107	600159004	9/6/2022	Iron-59	-1.99E-04	2.53E-03	8.42E-03	pCi/m3	U
2107	600160004	10/4/2022	Iron-59	1.36E-04	6.92E-04	2.27E-03	pCi/m3	U
2107	606088004	10/31/2022	Iron-59	3.38E-03	1.40E-03	4.93E-03	pCi/m3	U
2107	606540004	11/28/2022	Iron-59	2.53E-04	9.67E-04	3.31E-03	pCi/m3	U
2107	609503004	12/27/2022	Iron-59	2.03E-04	7.52E-04	2.63E-03	pCi/m3	U
2107	571519003	1/24/2022	Lanthanum-140	-6.93E-04	2.13E-03	6.48E-03	pCi/m3	U
2107	575119003	2/22/2022	Lanthanum-140	4.25E-04	2.45E-03	8.25E-03	pCi/m3	U
2107	580222003	3/21/2022	Lanthanum-140	-2.21E-03	6.16E-03	1.97E-02	pCi/m3	U
2107	582716003	4/18/2022	Lanthanum-140	-2.61E-03	7.21E-03	2.27E-02	pCi/m3	U
2107	585173003	5/16/2022	Lanthanum-140	1.13E-03	3.02E-03	1.09E-02	pCi/m3	U
2107	587312001	6/13/2022	Lanthanum-140	9.97E-03	5.49E-03	2.26E-02	pCi/m3	U
2107	592755004	7/11/2022	Lanthanum-140	-1.83E-03	1.97E-02	6.34E-02	pCi/m3	U
2107	594667003	8/8/2022	Lanthanum-140	-5.31E-03	5.01E-03	1.43E-02	pCi/m3	U
2107	600159004	9/6/2022	Lanthanum-140	-2.64E-02	1.80E-02	4.03E-02	pCi/m3	U
2107	600160004	10/4/2022	Lanthanum-140	6.80E-05	1.88E-03	6.27E-03	pCi/m3	U
2107	606088004	10/31/2022	Lanthanum-140	1.91E-02	1.11E-02	4.53E-02	pCi/m3	U
2107	606540004	11/28/2022	Lanthanum-140	-4.61E-03	3.36E-03	8.08E-03	pCi/m3	U
2107	609503004	12/27/2022	Lanthanum-140	-1.16E-04	2.49E-03	8.12E-03	pCi/m3	U
2107	571519003	1/24/2022	Lead-210	-3.84E-03	4.97E-02	1.55E-01	pCi/m3	U
2107	575119003	2/22/2022	Lead-210	1.83E-02	1.47E-02	2.30E-02	pCi/m3	U
2107	580222003	3/21/2022	Lead-210	-5.94E-03	5.13E-02	1.52E-01	pCi/m3	U
2107	582716003	4/18/2022	Lead-210	-3.30E-02	3.53E-02	9.59E-02	pCi/m3	U
2107	585173003	5/16/2022	Lead-210	4.92E-02	4.52E-02	6.85E-02	pCi/m3	U
2107	587312001	6/13/2022	Lead-210	2.58E-02	5.27E-03	1.97E-02	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	592755004	7/11/2022	Lead-210	5.14E-02	5.19E-02	1.78E-01	pCi/m3	U
2107	594667003	8/8/2022	Lead-210	-1.03E-02	1.70E-02	5.12E-02	pCi/m3	U
2107	600159004	9/6/2022	Lead-210	3.07E-02	6.05E-03	2.26E-02	pCi/m3	UI
2107	600160004	10/4/2022	Lead-210	2.91E-02	5.10E-02	9.63E-02	pCi/m3	U
2107	606088004	10/31/2022	Lead-210	1.83E-02	2.15E-02	3.60E-02	pCi/m3	U
2107	606540004	11/28/2022	Lead-210	2.77E-02	1.10E-02	2.62E-02	pCi/m3	UI
2107	609503004	12/27/2022	Lead-210	6.09E-03	2.14E-02	6.71E-02	pCi/m3	U
2107	571519003	1/24/2022	Lead-212	1.14E-03	8.19E-04	1.69E-03	pCi/m3	U
2107	575119003	2/22/2022	Lead-212	1.26E-03	7.07E-04	8.47E-04	pCi/m3	UI
2107	580222003	3/21/2022	Lead-212	7.45E-04	4.94E-04	1.17E-03	pCi/m3	U
2107	582716003	4/18/2022	Lead-212	-2.25E-04	3.40E-04	1.06E-03	pCi/m3	U
2107	585173003	5/16/2022	Lead-212	1.15E-03	5.10E-04	1.28E-03	pCi/m3	U
2107	587312001	6/13/2022	Lead-212	1.56E-03	1.08E-03	2.65E-03	pCi/m3	U
2107	592755004	7/11/2022	Lead-212	1.20E-03	8.77E-04	1.65E-03	pCi/m3	U
2107	594667003	8/8/2022	Lead-212	1.40E-03	6.79E-04	1.50E-03	pCi/m3	U
2107	600159004	9/6/2022	Lead-212	1.80E-05	1.03E-03	2.57E-03	pCi/m3	U
2107	600160004	10/4/2022	Lead-212	6.85E-04	7.40E-04	1.43E-03	pCi/m3	U
2107	606088004	10/31/2022	Lead-212	2.66E-04	5.63E-04	1.39E-03	pCi/m3	U
2107	606540004	11/28/2022	Lead-212	1.63E-04	4.42E-04	1.51E-03	pCi/m3	U
2107	609503004	12/27/2022	Lead-212	1.67E-04	5.83E-04	1.09E-03	pCi/m3	U
2107	571519003	1/24/2022	Lead-214	1.49E-03	1.30E-03	2.46E-03	pCi/m3	U
2107	575119003	2/22/2022	Lead-214	9.55E-04	8.95E-04	1.64E-03	pCi/m3	U
2107	580222003	3/21/2022	Lead-214	9.65E-04	7.98E-04	1.45E-03	pCi/m3	U
2107	582716003	4/18/2022	Lead-214	-6.45E-04	4.64E-04	1.38E-03	pCi/m3	U
2107	585173003	5/16/2022	Lead-214	1.39E-04	6.35E-04	1.40E-03	pCi/m3	U
2107	587312001	6/13/2022	Lead-214	5.54E-04	1.17E-03	3.03E-03	pCi/m3	U
2107	592755004	7/11/2022	Lead-214	1.95E-03	9.53E-04	2.32E-03	pCi/m3	U
2107	594667003	8/8/2022	Lead-214	2.43E-04	6.77E-04	1.73E-03	pCi/m3	U
2107	600159004	9/6/2022	Lead-214	-2.79E-04	1.10E-03	3.50E-03	pCi/m3	U
2107	600160004	10/4/2022	Lead-214	-7.28E-05	4.46E-04	1.48E-03	pCi/m3	U
2107	606088004	10/31/2022	Lead-214	7.01E-04	9.02E-04	1.70E-03	pCi/m3	U
2107	606540004	11/28/2022	Lead-214	-7.32E-04	5.71E-04	1.74E-03	pCi/m3	U
2107	609503004	12/27/2022	Lead-214	8.89E-04	1.04E-03	1.41E-03	pCi/m3	U
2107	571519003	1/24/2022	Manganese-54	1.63E-04	2.92E-04	1.03E-03	pCi/m3	U
2107	575119003	2/22/2022	Manganese-54	6.12E-05	2.12E-04	7.09E-04	pCi/m3	U
2107	580222003	3/21/2022	Manganese-54	1.23E-04	2.25E-04	7.50E-04	pCi/m3	U
2107	582716003	4/18/2022	Manganese-54	-1.27E-04	2.08E-04	6.51E-04	pCi/m3	U
2107	585173003	5/16/2022	Manganese-54	-1.63E-04	2.59E-04	6.85E-04	pCi/m3	U
2107	587312001	6/13/2022	Manganese-54	-8.47E-04	5.02E-04	1.30E-03	pCi/m3	U
2107	592755004	7/11/2022	Manganese-54	1.27E-04	3.05E-04	1.01E-03	pCi/m3	U
2107	594667003	8/8/2022	Manganese-54	3.20E-04	2.28E-04	6.63E-04	pCi/m3	U
2107	600159004	9/6/2022	Manganese-54	3.93E-04	5.23E-04	1.80E-03	pCi/m3	U
2107	600160004	10/4/2022	Manganese-54	1.58E-04	2.83E-04	8.86E-04	pCi/m3	U
2107	606088004	10/31/2022	Manganese-54	8.76E-05	2.97E-04	9.25E-04	pCi/m3	U
2107	606540004	11/28/2022	Manganese-54	1.81E-04	2.80E-04	9.99E-04	pCi/m3	U
2107	609503004	12/27/2022	Manganese-54	2.42E-04	2.57E-04	9.04E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	571519003	1/24/2022	Molybdenum-99	5.12E+01	2.48E+01	0.00E+00	pCi/m3	UI
2107	575119003	2/22/2022	Molybdenum-99	-6.40E+01	5.67E+01	0.00E+00	pCi/m3	U
2107	580222003	3/21/2022	Molybdenum-99	2.73E+03	3.50E+03	0.00E+00	pCi/m3	UI
2107	582716003	4/18/2022	Molybdenum-99	5.34E+03	4.65E+03	0.00E+00	pCi/m3	UI
2107	585173003	5/16/2022	Molybdenum-99	-4.98E+02	7.31E+02	0.00E+00	pCi/m3	U
2107	587312001	6/13/2022	Molybdenum-99	3.27E+01	2.48E+02	0.00E+00	pCi/m3	UI
2107	592755004	7/11/2022	Molybdenum-99	-1.02E+05	1.46E+05	0.00E+00	pCi/m3	U
2107	594667003	8/8/2022	Molybdenum-99	-5.51E+02	7.10E+02	0.00E+00	pCi/m3	U
2107	600159004	9/6/2022	Molybdenum-99	-6.07E+04	6.50E+04	0.00E+00	pCi/m3	U
2107	600160004	10/4/2022	Molybdenum-99	-1.64E+01	2.19E+01	0.00E+00	pCi/m3	U
2107	606088004	10/31/2022	Molybdenum-99	-2.33E+04	3.73E+04	0.00E+00	pCi/m3	U
2107	606540004	11/28/2022	Molybdenum-99	-1.64E+02	1.39E+02	0.00E+00	pCi/m3	U
2107	609503004	12/27/2022	Molybdenum-99	4.53E+01	9.51E+01	0.00E+00	pCi/m3	UI
2107	571519003	1/24/2022	Niobium-95	1.54E-04	3.96E-04	1.38E-03	pCi/m3	U
2107	575119003	2/22/2022	Niobium-95	4.97E-04	3.37E-04	8.94E-04	pCi/m3	U
2107	580222003	3/21/2022	Niobium-95	-3.50E-04	3.53E-04	1.06E-03	pCi/m3	U
2107	582716003	4/18/2022	Niobium-95	3.60E-04	3.57E-04	1.32E-03	pCi/m3	U
2107	585173003	5/16/2022	Niobium-95	5.37E-05	3.42E-04	1.14E-03	pCi/m3	U
2107	587312001	6/13/2022	Niobium-95	-4.33E-04	6.20E-04	1.84E-03	pCi/m3	U
2107	592755004	7/11/2022	Niobium-95	-6.01E-04	6.65E-04	2.00E-03	pCi/m3	U
2107	594667003	8/8/2022	Niobium-95	-1.50E-04	3.30E-04	9.20E-04	pCi/m3	U
2107	600159004	9/6/2022	Niobium-95	-4.18E-04	1.02E-03	3.15E-03	pCi/m3	U
2107	600160004	10/4/2022	Niobium-95	1.36E-04	3.27E-04	1.11E-03	pCi/m3	U
2107	606088004	10/31/2022	Niobium-95	1.53E-04	4.84E-04	1.59E-03	pCi/m3	U
2107	606540004	11/28/2022	Niobium-95	-2.91E-04	4.46E-04	1.34E-03	pCi/m3	U
2107	609503004	12/27/2022	Niobium-95	-5.49E-04	3.78E-04	1.06E-03	pCi/m3	U
2107	571519003	1/24/2022	Potassium-40	1.84E-03	4.52E-03	1.55E-02	pCi/m3	U
2107	575119003	2/22/2022	Potassium-40	1.00E-02	4.44E-03	5.27E-03	pCi/m3	UI
2107	580222003	3/21/2022	Potassium-40	1.42E-02	3.31E-03	6.85E-03	pCi/m3	
2107	582716003	4/18/2022	Potassium-40	2.14E-03	3.87E-03	1.44E-02	pCi/m3	U
2107	585173003	5/16/2022	Potassium-40	1.15E-02	4.86E-03	5.29E-03	pCi/m3	UI
2107	587312001	6/13/2022	Potassium-40	1.92E-02	6.94E-03	1.21E-02	pCi/m3	UI
2107	592755004	7/11/2022	Potassium-40	2.15E-02	6.12E-03	1.15E-02	pCi/m3	
2107	594667003	8/8/2022	Potassium-40	2.13E-02	4.73E-03	8.85E-03	pCi/m3	
2107	600159004	9/6/2022	Potassium-40	2.18E-02	9.38E-03	1.77E-02	pCi/m3	UI
2107	600160004	10/4/2022	Potassium-40	9.00E-03	4.67E-03	6.73E-03	pCi/m3	UI
2107	606088004	10/31/2022	Potassium-40	1.11E-02	6.11E-03	9.09E-03	pCi/m3	UI
2107	606540004	11/28/2022	Potassium-40	-2.17E-03	4.39E-03	1.59E-02	pCi/m3	U
2107	609503004	12/27/2022	Potassium-40	1.09E-02	4.64E-03	4.11E-03	pCi/m3	UI
2107	571519003	1/24/2022	Radium-226	4.19E-03	1.06E-03	3.15E-03	pCi/m3	UI
2107	575119003	2/22/2022	Radium-226	2.97E-04	5.21E-04	1.71E-03	pCi/m3	U
2107	580222003	3/21/2022	Radium-226	1.46E-03	1.07E-03	1.83E-03	pCi/m3	U
2107	582716003	4/18/2022	Radium-226	-8.39E-04	4.96E-04	1.40E-03	pCi/m3	U
2107	585173003	5/16/2022	Radium-226	-7.40E-05	5.03E-04	1.50E-03	pCi/m3	U
2107	587312001	6/13/2022	Radium-226	2.26E-05	1.25E-03	3.68E-03	pCi/m3	U
2107	592755004	7/11/2022	Radium-226	1.47E-03	1.08E-03	2.11E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	594667003	8/8/2022	Radium-226	2.67E-04	6.02E-04	1.98E-03	pCi/m3	U
2107	600159004	9/6/2022	Radium-226	-2.79E-04	1.10E-03	3.50E-03	pCi/m3	U
2107	600160004	10/4/2022	Radium-226	-7.28E-05	4.46E-04	1.48E-03	pCi/m3	U
2107	606088004	10/31/2022	Radium-226	7.01E-04	9.02E-04	1.70E-03	pCi/m3	U
2107	606540004	11/28/2022	Radium-226	-7.32E-04	5.71E-04	1.74E-03	pCi/m3	U
2107	609503004	12/27/2022	Radium-226	8.89E-04	1.04E-03	1.41E-03	pCi/m3	U
2107	571519003	1/24/2022	Radium-228	4.53E-03	1.48E-03	4.84E-03	pCi/m3	U
2107	575119003	2/22/2022	Radium-228	-4.95E-04	9.98E-04	3.25E-03	pCi/m3	U
2107	580222003	3/21/2022	Radium-228	4.80E-04	1.29E-03	3.04E-03	pCi/m3	U
2107	582716003	4/18/2022	Radium-228	1.57E-03	1.02E-03	3.67E-03	pCi/m3	U
2107	585173003	5/16/2022	Radium-228	1.66E-04	9.74E-04	3.34E-03	pCi/m3	U
2107	587312001	6/13/2022	Radium-228	-4.50E-03	1.88E-03	5.30E-03	pCi/m3	U
2107	592755004	7/11/2022	Radium-228	1.11E-03	1.09E-03	4.07E-03	pCi/m3	U
2107	594667003	8/8/2022	Radium-228	7.98E-04	1.21E-03	3.30E-03	pCi/m3	U
2107	600159004	9/6/2022	Radium-228	-4.48E-03	2.17E-03	5.93E-03	pCi/m3	U
2107	600160004	10/4/2022	Radium-228	-2.31E-03	9.81E-04	2.37E-03	pCi/m3	U
2107	606088004	10/31/2022	Radium-228	2.06E-03	1.72E-03	4.42E-03	pCi/m3	U
2107	606540004	11/28/2022	Radium-228	-4.32E-04	1.45E-03	4.83E-03	pCi/m3	U
2107	609503004	12/27/2022	Radium-228	2.43E-03	1.63E-03	4.25E-03	pCi/m3	U
2107	571519003	1/24/2022	Ruthenium-103	-2.51E-04	3.72E-04	1.12E-03	pCi/m3	U
2107	575119003	2/22/2022	Ruthenium-103	4.17E-04	3.33E-04	1.21E-03	pCi/m3	U
2107	580222003	3/21/2022	Ruthenium-103	-1.01E-04	4.17E-04	1.38E-03	pCi/m3	U
2107	582716003	4/18/2022	Ruthenium-103	2.70E-04	4.45E-04	1.55E-03	pCi/m3	U
2107	585173003	5/16/2022	Ruthenium-103	4.00E-04	2.96E-04	1.13E-03	pCi/m3	U
2107	587312001	6/13/2022	Ruthenium-103	2.74E-04	7.05E-04	2.40E-03	pCi/m3	U
2107	592755004	7/11/2022	Ruthenium-103	8.99E-04	8.44E-04	2.76E-03	pCi/m3	U
2107	594667003	8/8/2022	Ruthenium-103	7.64E-04	4.78E-04	1.75E-03	pCi/m3	U
2107	600159004	9/6/2022	Ruthenium-103	-1.10E-03	1.24E-03	3.83E-03	pCi/m3	U
2107	600160004	10/4/2022	Ruthenium-103	3.09E-04	3.42E-04	1.23E-03	pCi/m3	U
2107	606088004	10/31/2022	Ruthenium-103	8.27E-05	6.17E-04	2.04E-03	pCi/m3	U
2107	606540004	11/28/2022	Ruthenium-103	2.09E-04	5.04E-04	1.54E-03	pCi/m3	U
2107	609503004	12/27/2022	Ruthenium-103	1.87E-04	3.59E-04	1.25E-03	pCi/m3	U
2107	571519003	1/24/2022	Ruthenium-106	1.73E-03	2.81E-03	9.38E-03	pCi/m3	U
2107	575119003	2/22/2022	Ruthenium-106	-1.18E-03	1.80E-03	5.72E-03	pCi/m3	U
2107	580222003	3/21/2022	Ruthenium-106	8.55E-07	1.64E-03	5.40E-03	pCi/m3	U
2107	582716003	4/18/2022	Ruthenium-106	-1.99E-03	2.57E-03	7.77E-03	pCi/m3	U
2107	585173003	5/16/2022	Ruthenium-106	2.80E-03	1.69E-03	6.09E-03	pCi/m3	U
2107	587312001	6/13/2022	Ruthenium-106	3.69E-03	3.41E-03	1.23E-02	pCi/m3	U
2107	592755004	7/11/2022	Ruthenium-106	-3.72E-05	2.77E-03	8.94E-03	pCi/m3	U
2107	594667003	8/8/2022	Ruthenium-106	-2.05E-03	2.18E-03	6.37E-03	pCi/m3	U
2107	600159004	9/6/2022	Ruthenium-106	-4.72E-03	4.82E-03	1.44E-02	pCi/m3	U
2107	600160004	10/4/2022	Ruthenium-106	2.33E-03	2.19E-03	7.90E-03	pCi/m3	U
2107	606088004	10/31/2022	Ruthenium-106	-5.13E-04	2.31E-03	7.30E-03	pCi/m3	U
2107	606540004	11/28/2022	Ruthenium-106	2.32E-03	2.57E-03	8.87E-03	pCi/m3	U
2107	609503004	12/27/2022	Ruthenium-106	8.47E-04	2.07E-03	7.06E-03	pCi/m3	U
2107	571519003	1/24/2022	Selenium-75	7.54E-04	3.48E-04	1.27E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2107	575119003	2/22/2022	Selenium-75	5.11E-04	2.65E-04	9.40E-04	pCi/m3	U
2107	580222003	3/21/2022	Selenium-75	-4.16E-04	2.63E-04	8.01E-04	pCi/m3	U
2107	582716003	4/18/2022	Selenium-75	-1.23E-04	3.23E-04	9.89E-04	pCi/m3	U
2107	585173003	5/16/2022	Selenium-75	4.71E-04	2.65E-04	9.37E-04	pCi/m3	U
2107	587312001	6/13/2022	Selenium-75	5.95E-05	4.64E-04	1.61E-03	pCi/m3	U
2107	592755004	7/11/2022	Selenium-75	1.40E-03	6.19E-04	1.43E-03	pCi/m3	U
2107	594667003	8/8/2022	Selenium-75	-1.09E-04	3.15E-04	1.06E-03	pCi/m3	U
2107	600159004	9/6/2022	Selenium-75	1.53E-03	6.01E-04	2.32E-03	pCi/m3	U
2107	600160004	10/4/2022	Selenium-75	5.10E-04	3.51E-04	1.13E-03	pCi/m3	U
2107	606088004	10/31/2022	Selenium-75	-3.39E-04	3.23E-04	1.03E-03	pCi/m3	U
2107	606540004	11/28/2022	Selenium-75	-1.09E-04	3.07E-04	9.81E-04	pCi/m3	U
2107	609503004	12/27/2022	Selenium-75	-1.06E-04	3.27E-04	1.01E-03	pCi/m3	U
2107	571519003	1/24/2022	Silver-108m	2.62E-05	1.82E-04	5.98E-04	pCi/m3	U
2107	575119003	2/22/2022	Silver-108m	1.50E-05	1.57E-04	5.02E-04	pCi/m3	U
2107	580222003	3/21/2022	Silver-108m	9.97E-05	1.52E-04	5.33E-04	pCi/m3	U
2107	582716003	4/18/2022	Silver-108m	-2.10E-04	1.69E-04	5.10E-04	pCi/m3	U
2107	585173003	5/16/2022	Silver-108m	2.77E-04	2.54E-04	5.73E-04	pCi/m3	U
2107	587312001	6/13/2022	Silver-108m	-5.90E-04	3.86E-04	9.96E-04	pCi/m3	U
2107	592755004	7/11/2022	Silver-108m	2.98E-04	3.34E-04	7.29E-04	pCi/m3	U
2107	594667003	8/8/2022	Silver-108m	2.33E-04	1.75E-04	5.89E-04	pCi/m3	U
2107	600159004	9/6/2022	Silver-108m	2.11E-04	3.05E-04	1.07E-03	pCi/m3	U
2107	600160004	10/4/2022	Silver-108m	3.79E-04	1.43E-04	5.87E-04	pCi/m3	U
2107	606088004	10/31/2022	Silver-108m	7.17E-05	1.95E-04	6.60E-04	pCi/m3	U
2107	606540004	11/28/2022	Silver-108m	3.15E-04	2.00E-04	7.30E-04	pCi/m3	U
2107	609503004	12/27/2022	Silver-108m	-1.96E-06	2.29E-04	7.24E-04	pCi/m3	U
2107	571519003	1/24/2022	Silver-110m	6.55E-05	3.79E-04	1.30E-03	pCi/m3	U
2107	575119003	2/22/2022	Silver-110m	-4.14E-05	2.58E-04	8.28E-04	pCi/m3	U
2107	580222003	3/21/2022	Silver-110m	-3.36E-04	3.14E-04	8.09E-04	pCi/m3	U
2107	582716003	4/18/2022	Silver-110m	-2.72E-05	3.41E-04	1.13E-03	pCi/m3	U
2107	585173003	5/16/2022	Silver-110m	-3.76E-04	2.95E-04	7.92E-04	pCi/m3	U
2107	587312001	6/13/2022	Silver-110m	1.11E-03	6.42E-04	2.42E-03	pCi/m3	U
2107	592755004	7/11/2022	Silver-110m	-2.99E-04	4.37E-04	1.38E-03	pCi/m3	U
2107	594667003	8/8/2022	Silver-110m	-4.72E-04	4.28E-04	1.03E-03	pCi/m3	U
2107	600159004	9/6/2022	Silver-110m	-1.30E-03	8.04E-04	2.04E-03	pCi/m3	U
2107	600160004	10/4/2022	Silver-110m	-2.34E-04	3.13E-04	8.99E-04	pCi/m3	U
2107	606088004	10/31/2022	Silver-110m	6.31E-04	4.01E-04	1.54E-03	pCi/m3	U
2107	606540004	11/28/2022	Silver-110m	2.72E-04	3.78E-04	1.24E-03	pCi/m3	U
2107	609503004	12/27/2022	Silver-110m	3.42E-04	3.23E-04	1.16E-03	pCi/m3	U
2107	571519003	1/24/2022	Tellurium-132	-1.62E-01	6.50E-01	0.00E+00	pCi/m3	U
2107	575119003	2/22/2022	Tellurium-132	-3.34E-01	1.07E+00	0.00E+00	pCi/m3	U
2107	580222003	3/21/2022	Tellurium-132	3.23E+00	4.22E+01	0.00E+00	pCi/m3	UI
2107	582716003	4/18/2022	Tellurium-132	5.31E+01	5.20E+01	0.00E+00	pCi/m3	UI
2107	585173003	5/16/2022	Tellurium-132	2.66E+00	9.66E+00	0.00E+00	pCi/m3	UI
2107	587312001	6/13/2022	Tellurium-132	-2.94E+00	3.92E+00	0.00E+00	pCi/m3	U
2107	592755004	7/11/2022	Tellurium-132	4.69E+02	9.69E+02	0.00E+00	pCi/m3	UI
2107	594667003	8/8/2022	Tellurium-132	-5.14E+00	9.94E+00	0.00E+00	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2107	600159004	9/6/2022	Tellurium-132	-1.25E+02	4.52E+02	0.00E+00	pCi/m3	U
2107	600160004	10/4/2022	Tellurium-132	-1.24E+00	4.93E-01	0.00E+00	pCi/m3	U
2107	606088004	10/31/2022	Tellurium-132	5.65E+02	3.00E+02	0.00E+00	pCi/m3	UI
2107	606540004	11/28/2022	Tellurium-132	-3.51E+00	2.61E+00	0.00E+00	pCi/m3	U
2107	609503004	12/27/2022	Tellurium-132	3.19E+00	1.89E+00	0.00E+00	pCi/m3	UI
2107	571519003	1/24/2022	Thallium-208	2.15E-04	3.37E-04	1.09E-03	pCi/m3	U
2107	575119003	2/22/2022	Thallium-208	3.51E-04	3.14E-04	5.62E-04	pCi/m3	U
2107	580222003	3/21/2022	Thallium-208	-2.77E-04	2.34E-04	7.30E-04	pCi/m3	U
2107	582716003	4/18/2022	Thallium-208	3.03E-04	2.47E-04	8.46E-04	pCi/m3	U
2107	585173003	5/16/2022	Thallium-208	-4.66E-05	2.51E-04	8.37E-04	pCi/m3	U
2107	587312001	6/13/2022	Thallium-208	1.38E-03	7.86E-04	1.17E-03	pCi/m3	UI
2107	592755004	7/11/2022	Thallium-208	7.33E-04	5.09E-04	8.30E-04	pCi/m3	U
2107	594667003	8/8/2022	Thallium-208	-1.25E-04	3.32E-04	9.41E-04	pCi/m3	U
2107	600159004	9/6/2022	Thallium-208	2.58E-04	6.69E-04	1.42E-03	pCi/m3	U
2107	600160004	10/4/2022	Thallium-208	-1.21E-04	2.89E-04	9.33E-04	pCi/m3	U
2107	606088004	10/31/2022	Thallium-208	7.02E-04	4.28E-04	6.80E-04	pCi/m3	UI
2107	606540004	11/28/2022	Thallium-208	4.39E-04	4.15E-04	7.07E-04	pCi/m3	U
2107	609503004	12/27/2022	Thallium-208	9.30E-04	3.89E-04	7.53E-04	pCi/m3	UI
2107	571519003	1/24/2022	Thorium-228	1.14E-03	8.19E-04	1.69E-03	pCi/m3	U
2107	575119003	2/22/2022	Thorium-228	1.26E-03	7.07E-04	8.47E-04	pCi/m3	UI
2107	580222003	3/21/2022	Thorium-228	7.45E-04	4.94E-04	1.17E-03	pCi/m3	U
2107	582716003	4/18/2022	Thorium-228	-2.25E-04	3.40E-04	1.06E-03	pCi/m3	U
2107	585173003	5/16/2022	Thorium-228	1.15E-03	5.10E-04	1.28E-03	pCi/m3	U
2107	587312001	6/13/2022	Thorium-228	1.56E-03	1.08E-03	2.65E-03	pCi/m3	U
2107	592755004	7/11/2022	Thorium-228	1.20E-03	8.77E-04	1.65E-03	pCi/m3	U
2107	594667003	8/8/2022	Thorium-228	1.40E-03	6.79E-04	1.50E-03	pCi/m3	U
2107	600159004	9/6/2022	Thorium-228	1.80E-05	1.03E-03	2.57E-03	pCi/m3	U
2107	600160004	10/4/2022	Thorium-228	6.85E-04	7.40E-04	1.43E-03	pCi/m3	U
2107	606088004	10/31/2022	Thorium-228	2.66E-04	5.63E-04	1.39E-03	pCi/m3	U
2107	606540004	11/28/2022	Thorium-228	1.63E-04	4.42E-04	1.51E-03	pCi/m3	U
2107	609503004	12/27/2022	Thorium-228	1.67E-04	5.83E-04	1.09E-03	pCi/m3	U
2107	571519003	1/24/2022	Thorium-230	4.19E-03	1.06E-03	3.15E-03	pCi/m3	UI
2107	575119003	2/22/2022	Thorium-230	2.97E-04	5.21E-04	1.71E-03	pCi/m3	U
2107	580222003	3/21/2022	Thorium-230	1.46E-03	1.07E-03	1.83E-03	pCi/m3	U
2107	582716003	4/18/2022	Thorium-230	-8.39E-04	4.96E-04	1.40E-03	pCi/m3	U
2107	585173003	5/16/2022	Thorium-230	-7.40E-05	5.03E-04	1.50E-03	pCi/m3	U
2107	587312001	6/13/2022	Thorium-230	2.26E-05	1.25E-03	3.68E-03	pCi/m3	U
2107	592755004	7/11/2022	Thorium-230	1.47E-03	1.08E-03	2.11E-03	pCi/m3	U
2107	594667003	8/8/2022	Thorium-230	2.67E-04	6.02E-04	1.98E-03	pCi/m3	U
2107	600159004	9/6/2022	Thorium-230	-2.79E-04	1.10E-03	3.50E-03	pCi/m3	U
2107	600160004	10/4/2022	Thorium-230	-7.28E-05	4.46E-04	1.48E-03	pCi/m3	U
2107	606088004	10/31/2022	Thorium-230	7.01E-04	9.02E-04	1.70E-03	pCi/m3	U
2107	606540004	11/28/2022	Thorium-230	-7.32E-04	5.71E-04	1.74E-03	pCi/m3	U
2107	609503004	12/27/2022	Thorium-230	8.89E-04	1.03E-03	1.41E-03	pCi/m3	U
2107	571519003	1/24/2022	Thorium-232	4.53E-03	1.48E-03	4.84E-03	pCi/m3	U
2107	575119003	2/22/2022	Thorium-232	-4.95E-04	9.98E-04	3.25E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	580222003	3/21/2022	Thorium-232	4.80E-04	1.29E-03	3.04E-03	pCi/m3	U
2107	582716003	4/18/2022	Thorium-232	1.57E-03	1.02E-03	3.67E-03	pCi/m3	U
2107	585173003	5/16/2022	Thorium-232	1.66E-04	9.74E-04	3.34E-03	pCi/m3	U
2107	587312001	6/13/2022	Thorium-232	-4.50E-03	1.88E-03	5.30E-03	pCi/m3	U
2107	592755004	7/11/2022	Thorium-232	1.11E-03	1.09E-03	4.07E-03	pCi/m3	U
2107	594667003	8/8/2022	Thorium-232	7.98E-04	1.21E-03	3.30E-03	pCi/m3	U
2107	600159004	9/6/2022	Thorium-232	-4.48E-03	2.17E-03	5.93E-03	pCi/m3	U
2107	600160004	10/4/2022	Thorium-232	-2.31E-03	9.81E-04	2.37E-03	pCi/m3	U
2107	606088004	10/31/2022	Thorium-232	2.06E-03	1.72E-03	4.42E-03	pCi/m3	U
2107	606540004	11/28/2022	Thorium-232	-4.32E-04	1.45E-03	4.83E-03	pCi/m3	U
2107	609503004	12/27/2022	Thorium-232	2.43E-03	1.63E-03	4.25E-03	pCi/m3	U
2107	571519003	1/24/2022	Thorium-234	4.94E-03	1.81E-02	4.16E-02	pCi/m3	U
2107	575119003	2/22/2022	Thorium-234	7.73E-04	4.50E-03	1.47E-02	pCi/m3	U
2107	580222003	3/21/2022	Thorium-234	-5.95E-04	1.04E-02	3.15E-02	pCi/m3	U
2107	582716003	4/18/2022	Thorium-234	1.83E-02	1.10E-02	1.98E-02	pCi/m3	U
2107	585173003	5/16/2022	Thorium-234	4.97E-03	7.19E-03	2.47E-02	pCi/m3	U
2107	587312001	6/13/2022	Thorium-234	9.62E-03	9.95E-03	1.96E-02	pCi/m3	U
2107	592755004	7/11/2022	Thorium-234	-1.60E-02	1.26E-02	4.24E-02	pCi/m3	U
2107	594667003	8/8/2022	Thorium-234	3.30E-03	1.04E-02	1.62E-02	pCi/m3	U
2107	600159004	9/6/2022	Thorium-234	5.29E-03	1.23E-02	2.80E-02	pCi/m3	U
2107	600160004	10/4/2022	Thorium-234	-1.14E-02	8.12E-03	2.62E-02	pCi/m3	U
2107	606088004	10/31/2022	Thorium-234	5.44E-03	1.19E-02	1.45E-02	pCi/m3	U
2107	606540004	11/28/2022	Thorium-234	-1.00E-02	5.02E-03	1.70E-02	pCi/m3	U
2107	609503004	12/27/2022	Thorium-234	6.53E-03	1.13E-02	2.37E-02	pCi/m3	U
2107	571519003	1/24/2022	Uranium-234	4.19E-03	1.06E-03	3.15E-03	pCi/m3	UI
2107	575119003	2/22/2022	Uranium-234	2.97E-04	5.21E-04	1.71E-03	pCi/m3	U
2107	580222003	3/21/2022	Uranium-234	1.46E-03	1.07E-03	1.83E-03	pCi/m3	U
2107	582716003	4/18/2022	Uranium-234	-8.39E-04	4.96E-04	1.40E-03	pCi/m3	U
2107	585173003	5/16/2022	Uranium-234	-7.40E-05	5.03E-04	1.50E-03	pCi/m3	U
2107	587312001	6/13/2022	Uranium-234	2.26E-05	1.25E-03	3.68E-03	pCi/m3	U
2107	592755004	7/11/2022	Uranium-234	1.47E-03	1.08E-03	2.11E-03	pCi/m3	U
2107	594667003	8/8/2022	Uranium-234	2.67E-04	6.02E-04	1.98E-03	pCi/m3	U
2107	600159004	9/6/2022	Uranium-234	-2.79E-04	1.10E-03	3.50E-03	pCi/m3	U
2107	600160004	10/4/2022	Uranium-234	-7.28E-05	4.46E-04	1.48E-03	pCi/m3	U
2107	606088004	10/31/2022	Uranium-234	7.01E-04	9.02E-04	1.70E-03	pCi/m3	U
2107	606540004	11/28/2022	Uranium-234	-7.32E-04	5.71E-04	1.74E-03	pCi/m3	U
2107	609503004	12/27/2022	Uranium-234	8.89E-04	1.03E-03	1.41E-03	pCi/m3	U
2107	571519003	1/24/2022	Zinc-65	-2.21E-04	5.78E-04	1.83E-03	pCi/m3	U
2107	575119003	2/22/2022	Zinc-65	-1.53E-04	5.32E-04	1.66E-03	pCi/m3	U
2107	580222003	3/21/2022	Zinc-65	3.79E-04	5.34E-04	1.85E-03	pCi/m3	U
2107	582716003	4/18/2022	Zinc-65	-6.33E-04	6.17E-04	1.75E-03	pCi/m3	U
2107	585173003	5/16/2022	Zinc-65	2.84E-04	4.39E-04	1.49E-03	pCi/m3	U
2107	587312001	6/13/2022	Zinc-65	-1.46E-03	1.15E-03	3.32E-03	pCi/m3	U
2107	592755004	7/11/2022	Zinc-65	-9.61E-04	7.89E-04	1.80E-03	pCi/m3	U
2107	594667003	8/8/2022	Zinc-65	2.03E-05	4.83E-04	1.60E-03	pCi/m3	U
2107	600159004	9/6/2022	Zinc-65	3.99E-04	1.46E-03	4.99E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2107	600160004	10/4/2022	Zinc-65	5.19E-04	4.95E-04	1.83E-03	pCi/m3	U
2107	606088004	10/31/2022	Zinc-65	1.81E-03	5.29E-04	2.46E-03	pCi/m3	U
2107	606540004	11/28/2022	Zinc-65	-5.26E-04	6.78E-04	1.72E-03	pCi/m3	U
2107	609503004	12/27/2022	Zinc-65	5.51E-04	5.71E-04	2.12E-03	pCi/m3	U
2107	571519003	1/24/2022	Zirconium-95	5.18E-05	6.77E-04	2.31E-03	pCi/m3	U
2107	575119003	2/22/2022	Zirconium-95	-2.48E-04	5.30E-04	1.68E-03	pCi/m3	U
2107	580222003	3/21/2022	Zirconium-95	1.32E-03	6.11E-04	2.26E-03	pCi/m3	U
2107	582716003	4/18/2022	Zirconium-95	-4.55E-04	5.71E-04	1.76E-03	pCi/m3	U
2107	585173003	5/16/2022	Zirconium-95	8.20E-04	5.44E-04	2.06E-03	pCi/m3	U
2107	587312001	6/13/2022	Zirconium-95	-6.89E-05	9.87E-04	3.14E-03	pCi/m3	U
2107	592755004	7/11/2022	Zirconium-95	1.51E-03	9.45E-04	3.52E-03	pCi/m3	U
2107	594667003	8/8/2022	Zirconium-95	-1.29E-04	7.59E-04	2.24E-03	pCi/m3	U
2107	600159004	9/6/2022	Zirconium-95	1.35E-03	1.66E-03	5.75E-03	pCi/m3	U
2107	600160004	10/4/2022	Zirconium-95	-1.13E-05	5.91E-04	1.93E-03	pCi/m3	U
2107	606088004	10/31/2022	Zirconium-95	-3.39E-04	8.16E-04	2.47E-03	pCi/m3	U
2107	606540004	11/28/2022	Zirconium-95	3.73E-03	1.26E-03	2.49E-03	pCi/m3	UI
2107	609503004	12/27/2022	Zirconium-95	1.87E-04	6.38E-04	2.13E-03	pCi/m3	U
2112	571519004	1/24/2022	Actinium-228	4.85E-03	1.35E-03	4.56E-03	pCi/m3	UI
2112	575119004	2/22/2022	Actinium-228	-1.12E-03	1.16E-03	3.49E-03	pCi/m3	U
2112	580222004	3/21/2022	Actinium-228	3.38E-03	1.77E-03	6.41E-03	pCi/m3	U
2112	582716004	4/18/2022	Actinium-228	7.13E-04	1.78E-03	5.11E-03	pCi/m3	U
2112	585173004	5/16/2022	Actinium-228	-1.15E-03	1.51E-03	4.43E-03	pCi/m3	U
2112	587312009	6/13/2022	Actinium-228	5.68E-03	1.22E-03	4.49E-03	pCi/m3	UI
2112	592755006	7/11/2022	Actinium-228	-2.67E-04	1.68E-03	5.40E-03	pCi/m3	U
2112	594667004	8/8/2022	Actinium-228	3.19E-03	2.08E-03	5.87E-03	pCi/m3	U
2112	600159007	9/6/2022	Actinium-228	-1.99E-03	1.09E-03	2.86E-03	pCi/m3	U
2112	600160007	10/4/2022	Actinium-228	7.01E-04	1.03E-03	3.55E-03	pCi/m3	U
2112	606088007	10/31/2022	Actinium-228	4.28E-04	2.06E-03	5.00E-03	pCi/m3	U
2112	606540007	11/28/2022	Actinium-228	1.63E-03	1.58E-03	3.54E-03	pCi/m3	U
2112	609503007	12/27/2022	Actinium-228	7.55E-04	2.04E-03	4.77E-03	pCi/m3	U
2112	571519004	1/24/2022	Americium-241	6.99E-04	8.07E-04	2.87E-03	pCi/m3	U
2112	575119004	2/22/2022	Americium-241	1.14E-03	8.26E-04	3.01E-03	pCi/m3	U
2112	580222004	3/21/2022	Americium-241	4.65E-04	6.99E-04	2.09E-03	pCi/m3	U
2112	582716004	4/18/2022	Americium-241	-3.27E-04	7.26E-04	2.02E-03	pCi/m3	U
2112	585173004	5/16/2022	Americium-241	1.48E-03	1.39E-03	4.82E-03	pCi/m3	U
2112	587312009	6/13/2022	Americium-241	1.12E-03	6.11E-04	2.10E-03	pCi/m3	U
2112	592755006	7/11/2022	Americium-241	-1.34E-04	3.14E-04	1.03E-03	pCi/m3	U
2112	594667004	8/8/2022	Americium-241	-2.35E-03	1.94E-03	5.34E-03	pCi/m3	U
2112	600159007	9/6/2022	Americium-241	1.92E-04	1.50E-04	5.51E-04	pCi/m3	U
2112	600160007	10/4/2022	Americium-241	9.06E-04	1.01E-03	3.45E-03	pCi/m3	U
2112	606088007	10/31/2022	Americium-241	-4.01E-04	1.00E-03	2.98E-03	pCi/m3	U
2112	606540007	11/28/2022	Americium-241	2.90E-04	6.00E-04	2.04E-03	pCi/m3	U
2112	609503007	12/27/2022	Americium-241	5.19E-05	9.47E-04	2.90E-03	pCi/m3	U
2112	571519004	1/24/2022	Antimony-124	-5.13E-04	6.30E-04	1.63E-03	pCi/m3	U
2112	575119004	2/22/2022	Antimony-124	-1.42E-03	1.12E-03	2.93E-03	pCi/m3	U
2112	580222004	3/21/2022	Antimony-124	-4.84E-04	1.70E-03	5.36E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	582716004	4/18/2022	Antimony-124	-9.11E-04	1.26E-03	3.58E-03	pCi/m3	U
2112	585173004	5/16/2022	Antimony-124	1.22E-03	9.32E-04	3.58E-03	pCi/m3	U
2112	587312009	6/13/2022	Antimony-124	9.28E-04	9.11E-04	3.48E-03	pCi/m3	U
2112	592755006	7/11/2022	Antimony-124	1.35E-03	1.60E-03	6.17E-03	pCi/m3	U
2112	594667004	8/8/2022	Antimony-124	-9.11E-04	1.06E-03	2.99E-03	pCi/m3	U
2112	600159007	9/6/2022	Antimony-124	-2.03E-03	1.01E-03	0.00E+00	pCi/m3	U
2112	600160007	10/4/2022	Antimony-124	-6.89E-05	1.02E-03	3.36E-03	pCi/m3	U
2112	606088007	10/31/2022	Antimony-124	-1.34E-03	1.12E-03	2.52E-03	pCi/m3	U
2112	606540007	11/28/2022	Antimony-124	-1.22E-03	6.12E-04	0.00E+00	pCi/m3	U
2112	609503007	12/27/2022	Antimony-124	8.87E-04	1.16E-03	4.17E-03	pCi/m3	U
2112	571519004	1/24/2022	Antimony-125	-2.61E-04	5.38E-04	1.77E-03	pCi/m3	U
2112	575119004	2/22/2022	Antimony-125	7.81E-04	5.04E-04	1.91E-03	pCi/m3	U
2112	580222004	3/21/2022	Antimony-125	1.55E-04	8.50E-04	2.73E-03	pCi/m3	U
2112	582716004	4/18/2022	Antimony-125	-2.03E-04	7.23E-04	2.24E-03	pCi/m3	U
2112	585173004	5/16/2022	Antimony-125	7.39E-04	6.12E-04	2.20E-03	pCi/m3	U
2112	587312009	6/13/2022	Antimony-125	-7.37E-04	5.57E-04	1.67E-03	pCi/m3	U
2112	592755006	7/11/2022	Antimony-125	4.59E-04	6.92E-04	2.49E-03	pCi/m3	U
2112	594667004	8/8/2022	Antimony-125	-1.74E-04	6.76E-04	2.26E-03	pCi/m3	U
2112	600159007	9/6/2022	Antimony-125	3.11E-04	6.41E-04	2.21E-03	pCi/m3	U
2112	600160007	10/4/2022	Antimony-125	-3.70E-05	5.17E-04	1.66E-03	pCi/m3	U
2112	606088007	10/31/2022	Antimony-125	1.12E-03	8.14E-04	2.93E-03	pCi/m3	U
2112	606540007	11/28/2022	Antimony-125	5.33E-04	5.14E-04	1.85E-03	pCi/m3	U
2112	609503007	12/27/2022	Antimony-125	4.78E-04	5.98E-04	2.10E-03	pCi/m3	U
2112	571519004	1/24/2022	Barium-140	8.39E-04	5.61E-03	1.91E-02	pCi/m3	U
2112	575119004	2/22/2022	Barium-140	-1.27E-03	7.12E-03	2.36E-02	pCi/m3	U
2112	580222004	3/21/2022	Barium-140	-5.99E-05	2.87E-02	8.51E-02	pCi/m3	U
2112	582716004	4/18/2022	Barium-140	-1.26E-02	2.30E-02	7.42E-02	pCi/m3	U
2112	585173004	5/16/2022	Barium-140	-7.39E-03	1.35E-02	4.34E-02	pCi/m3	U
2112	587312009	6/13/2022	Barium-140	-4.17E-03	7.47E-03	2.30E-02	pCi/m3	U
2112	592755006	7/11/2022	Barium-140	-9.24E-02	5.19E-02	1.47E-01	pCi/m3	U
2112	594667004	8/8/2022	Barium-140	5.75E-03	1.49E-02	5.17E-02	pCi/m3	U
2112	600159007	9/6/2022	Barium-140	3.39E-02	2.48E-02	8.74E-02	pCi/m3	U
2112	600160007	10/4/2022	Barium-140	-6.03E-03	5.31E-03	1.63E-02	pCi/m3	U
2112	606088007	10/31/2022	Barium-140	-8.33E-02	3.42E-02	8.85E-02	pCi/m3	U
2112	606540007	11/28/2022	Barium-140	2.05E-02	1.20E-02	2.78E-02	pCi/m3	U
2112	609503007	12/27/2022	Barium-140	8.15E-03	8.47E-03	2.99E-02	pCi/m3	U
2112	571519004	1/24/2022	Beryllium-7	1.04E-01	9.89E-03	1.02E-02	pCi/m3	U
2112	575119004	2/22/2022	Beryllium-7	1.30E-01	9.34E-03	7.60E-03	pCi/m3	U
2112	580222004	3/21/2022	Beryllium-7	1.11E-01	1.02E-02	1.41E-02	pCi/m3	U
2112	582716004	4/18/2022	Beryllium-7	1.73E-01	1.73E-02	1.78E-02	pCi/m3	U
2112	585173004	5/16/2022	Beryllium-7	1.41E-01	1.15E-02	1.07E-02	pCi/m3	U
2112	587312009	6/13/2022	Beryllium-7	1.39E-01	9.36E-03	9.36E-03	pCi/m3	U
2112	592755006	7/11/2022	Beryllium-7	1.41E-01	1.29E-02	1.83E-02	pCi/m3	U
2112	594667004	8/8/2022	Beryllium-7	1.15E-01	1.15E-02	1.32E-02	pCi/m3	U
2112	600159007	9/6/2022	Beryllium-7	1.10E-01	1.13E-02	1.33E-02	pCi/m3	U
2112	600160007	10/4/2022	Beryllium-7	8.72E-02	7.50E-03	9.95E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	606088007	10/31/2022	Beryllium-7	1.18E-01	1.42E-02	1.61E-02	pCi/m3	
2112	606540007	11/28/2022	Beryllium-7	1.01E-01	7.49E-03	8.26E-03	pCi/m3	
2112	609503007	12/27/2022	Beryllium-7	7.69E-02	9.70E-03	1.22E-02	pCi/m3	
2112	566166007	1/3/2022	BETA	1.99E-02	1.56E-03	2.02E-03	pCi/m3	
2112	566829011	1/10/2022	BETA	4.76E-02	2.05E-03	1.58E-03	pCi/m3	
2112	567639009	1/18/2022	BETA	5.37E-02	2.08E-03	1.46E-03	pCi/m3	
2112	568220007	1/24/2022	BETA	4.36E-02	2.16E-03	2.06E-03	pCi/m3	
2112	568941011	1/31/2022	BETA	5.46E-02	2.30E-03	1.84E-03	pCi/m3	
2112	569535007	2/7/2022	BETA	4.16E-02	2.06E-03	1.74E-03	pCi/m3	
2112	570265015	2/14/2022	BETA	4.61E-02	2.19E-03	1.77E-03	pCi/m3	
2112	571000007	2/22/2022	BETA	4.32E-02	2.03E-03	1.63E-03	pCi/m3	
2112	571637007	2/28/2022	BETA	3.46E-02	2.12E-03	2.21E-03	pCi/m3	
2112	572310007	3/7/2022	BETA	6.16E-02	2.69E-03	2.04E-03	pCi/m3	
2112	573044007	3/14/2022	BETA	3.37E-02	2.01E-03	2.04E-03	pCi/m3	
2112	573809007	3/21/2022	BETA	3.38E-02	2.12E-03	2.28E-03	pCi/m3	
2112	574543007	3/28/2022	BETA	3.91E-02	3.83E-03	5.76E-03	pCi/m3	
2112	575131007	4/4/2022	BETA	3.44E-02	1.93E-03	1.87E-03	pCi/m3	
2112	576092012	4/11/2022	BETA	2.82E-02	1.76E-03	1.84E-03	pCi/m3	
2112	576835009	4/18/2022	BETA	3.58E-02	1.91E-03	1.79E-03	pCi/m3	
2112	577597015	4/25/2022	BETA	4.09E-02	2.14E-03	2.27E-03	pCi/m3	
2112	578409019	5/2/2022	BETA	4.03E-02	2.04E-03	1.81E-03	pCi/m3	
2112	579262013	5/9/2022	BETA	2.85E-02	1.78E-03	1.99E-03	pCi/m3	
2112	580035007	5/16/2022	BETA	2.97E-02	1.79E-03	1.89E-03	pCi/m3	
2112	580692011	5/23/2022	BETA	4.48E-02	2.13E-03	1.81E-03	pCi/m3	
2112	581372001	5/31/2022	BETA	2.02E-02	1.28E-03	1.39E-03	pCi/m3	
2112	581946007	6/6/2022	BETA	2.74E-02	1.42E-03	1.46E-03	pCi/m3	
2112	582788017	6/13/2022	BETA	2.44E-02	1.15E-03	9.71E-04	pCi/m3	
2112	583525013	6/21/2022	BETA	4.00E-02	1.87E-03	1.80E-03	pCi/m3	
2112	584134021	6/27/2022	BETA	4.62E-02	2.33E-03	2.29E-03	pCi/m3	
2112	584823015	7/5/2022	BETA	2.82E-02	1.46E-03	1.32E-03	pCi/m3	
2112	585557011	7/11/2022	BETA	2.47E-02	1.75E-03	2.31E-03	pCi/m3	
2112	586344007	7/18/2022	BETA	3.47E-02	1.84E-03	1.95E-03	pCi/m3	
2112	587147011	7/25/2022	BETA	3.03E-02	1.61E-03	1.67E-03	pCi/m3	
2112	587889007	8/1/2022	BETA	1.91E-02	1.23E-03	1.34E-03	pCi/m3	
2112	589386004	8/8/2022	BETA	2.15E-02	1.34E-03	1.46E-03	pCi/m3	
2112	589633011	8/16/2022	BETA	2.85E-02	1.48E-03	1.35E-03	pCi/m3	
2112	590523007	8/22/2022	BETA	4.44E-02	1.89E-03	1.44E-03	pCi/m3	
2112	591270007	8/29/2022	BETA	3.95E-02	1.81E-03	1.60E-03	pCi/m3	
2112	592020015	9/6/2022	BETA	2.43E-02	1.05E-03	7.81E-04	pCi/m3	
2112	592698015	9/12/2022	BETA	2.72E-02	1.28E-03	1.02E-03	pCi/m3	
2112	593605013	9/19/2022	BETA	4.64E-02	1.53E-03	9.24E-04	pCi/m3	
2112	594421016	9/26/2022	BETA	4.64E-02	2.09E-03	1.64E-03	pCi/m3	
2112	594992021	10/4/2022	BETA	2.81E-02	1.61E-03	1.59E-03	pCi/m3	
2112	596154017	10/10/2022	BETA	5.13E-02	2.42E-03	2.18E-03	pCi/m3	
2112	597078009	10/17/2022	BETA	4.47E-02	2.01E-03	1.74E-03	pCi/m3	
2112	597937015	10/24/2022	BETA	4.32E-02	1.90E-03	1.46E-03	pCi/m3	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2112	598805013	10/31/2022	BETA	2.91E-02	1.66E-03	1.59E-03	pCi/m3	
2112	599718015	11/7/2022	BETA	4.50E-02	1.83E-03	1.32E-03	pCi/m3	
2112	600677013	11/14/2022	BETA	3.31E-02	1.65E-03	1.42E-03	pCi/m3	
2112	601448021	11/21/2022	BETA	4.80E-02	1.95E-03	1.38E-03	pCi/m3	
2112	602118013	11/28/2022	BETA	5.35E-02	2.04E-03	1.37E-03	pCi/m3	
2112	602825017	12/5/2022	BETA	4.40E-02	1.92E-03	1.49E-03	pCi/m3	
2112	603752015	12/12/2022	BETA	3.21E-02	1.64E-03	1.44E-03	pCi/m3	
2112	604620020	12/19/2022	BETA	3.97E-02	1.76E-03	1.34E-03	pCi/m3	
2112	605322023	12/27/2022	BETA	4.70E-02	1.92E-03	1.37E-03	pCi/m3	
2112	571519004	1/24/2022	Bismuth-214	1.61E-03	1.17E-03	1.44E-03	pCi/m3	UI
2112	575119004	2/22/2022	Bismuth-214	-1.64E-04	6.32E-04	1.86E-03	pCi/m3	U
2112	580222004	3/21/2022	Bismuth-214	2.73E-05	7.89E-04	2.58E-03	pCi/m3	U
2112	582716004	4/18/2022	Bismuth-214	1.35E-03	1.33E-03	2.27E-03	pCi/m3	U
2112	585173004	5/16/2022	Bismuth-214	-1.20E-03	7.46E-04	2.32E-03	pCi/m3	U
2112	587312009	6/13/2022	Bismuth-214	-1.64E-04	5.40E-04	1.77E-03	pCi/m3	U
2112	592755006	7/11/2022	Bismuth-214	-7.46E-04	8.96E-04	2.59E-03	pCi/m3	U
2112	594667004	8/8/2022	Bismuth-214	-8.91E-04	8.83E-04	2.49E-03	pCi/m3	U
2112	600159007	9/6/2022	Bismuth-214	-5.60E-04	6.69E-04	2.09E-03	pCi/m3	U
2112	600160007	10/4/2022	Bismuth-214	-9.69E-04	5.50E-04	1.51E-03	pCi/m3	U
2112	606088007	10/31/2022	Bismuth-214	2.10E-03	9.68E-04	1.91E-03	pCi/m3	UI
2112	606540007	11/28/2022	Bismuth-214	-4.96E-04	6.00E-04	1.85E-03	pCi/m3	U
2112	609503007	12/27/2022	Bismuth-214	-1.29E-04	7.18E-04	2.19E-03	pCi/m3	U
2112	571519004	1/24/2022	Cerium-141	-1.94E-04	4.87E-04	1.56E-03	pCi/m3	U
2112	575119004	2/22/2022	Cerium-141	-3.72E-04	5.57E-04	1.76E-03	pCi/m3	U
2112	580222004	3/21/2022	Cerium-141	1.71E-03	1.03E-03	3.70E-03	pCi/m3	U
2112	582716004	4/18/2022	Cerium-141	-4.43E-04	1.22E-03	3.62E-03	pCi/m3	U
2112	585173004	5/16/2022	Cerium-141	-3.49E-04	1.08E-03	2.96E-03	pCi/m3	U
2112	587312009	6/13/2022	Cerium-141	-9.36E-04	5.82E-04	1.70E-03	pCi/m3	U
2112	592755006	7/11/2022	Cerium-141	6.28E-04	1.28E-03	4.31E-03	pCi/m3	U
2112	594667004	8/8/2022	Cerium-141	4.82E-05	9.02E-04	2.95E-03	pCi/m3	U
2112	600159007	9/6/2022	Cerium-141	-2.74E-03	9.61E-04	2.54E-03	pCi/m3	U
2112	600160007	10/4/2022	Cerium-141	-5.01E-04	4.70E-04	1.41E-03	pCi/m3	U
2112	606088007	10/31/2022	Cerium-141	-1.34E-04	1.31E-03	4.15E-03	pCi/m3	U
2112	606540007	11/28/2022	Cerium-141	-1.60E-03	6.66E-04	1.68E-03	pCi/m3	U
2112	609503007	12/27/2022	Cerium-141	-5.13E-04	6.89E-04	2.11E-03	pCi/m3	U
2112	571519004	1/24/2022	Cerium-144	-1.00E-03	1.01E-03	2.85E-03	pCi/m3	U
2112	575119004	2/22/2022	Cerium-144	-3.25E-04	9.56E-04	3.07E-03	pCi/m3	U
2112	580222004	3/21/2022	Cerium-144	-3.01E-03	1.42E-03	4.30E-03	pCi/m3	U
2112	582716004	4/18/2022	Cerium-144	1.60E-03	1.47E-03	5.18E-03	pCi/m3	U
2112	585173004	5/16/2022	Cerium-144	-8.64E-04	1.45E-03	4.40E-03	pCi/m3	U
2112	587312009	6/13/2022	Cerium-144	1.98E-03	1.49E-03	3.14E-03	pCi/m3	U
2112	592755006	7/11/2022	Cerium-144	1.65E-04	1.30E-03	4.29E-03	pCi/m3	U
2112	594667004	8/8/2022	Cerium-144	-2.32E-05	1.55E-03	5.07E-03	pCi/m3	U
2112	600159007	9/6/2022	Cerium-144	6.07E-04	8.70E-04	2.97E-03	pCi/m3	U
2112	600160007	10/4/2022	Cerium-144	1.19E-03	8.34E-04	2.95E-03	pCi/m3	U
2112	606088007	10/31/2022	Cerium-144	1.12E-03	1.57E-03	5.20E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	606540007	11/28/2022	Cerium-144	-1.61E-03	9.57E-04	2.75E-03	pCi/m3	U
2112	609503007	12/27/2022	Cerium-144	-3.70E-04	1.17E-03	3.67E-03	pCi/m3	U
2112	571519004	1/24/2022	Cesium-134	1.27E-04	2.44E-04	7.73E-04	pCi/m3	U
2112	575119004	2/22/2022	Cesium-134	2.63E-04	2.84E-04	1.01E-03	pCi/m3	U
2112	580222004	3/21/2022	Cesium-134	1.81E-04	4.24E-04	1.44E-03	pCi/m3	U
2112	582716004	4/18/2022	Cesium-134	4.18E-04	4.64E-04	1.53E-03	pCi/m3	U
2112	585173004	5/16/2022	Cesium-134	-2.52E-04	3.01E-04	8.93E-04	pCi/m3	U
2112	587312009	6/13/2022	Cesium-134	5.09E-04	2.36E-04	8.99E-04	pCi/m3	U
2112	592755006	7/11/2022	Cesium-134	8.64E-04	3.62E-04	1.49E-03	pCi/m3	U
2112	594667004	8/8/2022	Cesium-134	1.00E-03	3.32E-04	1.39E-03	pCi/m3	U
2112	600159007	9/6/2022	Cesium-134	1.79E-05	3.79E-04	1.17E-03	pCi/m3	U
2112	600160007	10/4/2022	Cesium-134	3.02E-04	2.43E-04	8.97E-04	pCi/m3	U
2112	606088007	10/31/2022	Cesium-134	-9.42E-05	3.72E-04	1.17E-03	pCi/m3	U
2112	606540007	11/28/2022	Cesium-134	2.25E-05	2.31E-04	7.53E-04	pCi/m3	U
2112	609503007	12/27/2022	Cesium-134	2.42E-04	3.50E-04	1.15E-03	pCi/m3	U
2112	571519004	1/24/2022	Cesium-137	-2.14E-04	2.38E-04	7.21E-04	pCi/m3	U
2112	575119004	2/22/2022	Cesium-137	1.78E-04	2.26E-04	8.03E-04	pCi/m3	U
2112	580222004	3/21/2022	Cesium-137	5.39E-04	5.03E-04	1.07E-03	pCi/m3	U
2112	582716004	4/18/2022	Cesium-137	-8.52E-04	4.31E-04	1.02E-03	pCi/m3	U
2112	585173004	5/16/2022	Cesium-137	5.64E-04	4.41E-04	8.45E-04	pCi/m3	U
2112	587312009	6/13/2022	Cesium-137	-4.12E-04	3.57E-04	1.26E-03	pCi/m3	U
2112	592755006	7/11/2022	Cesium-137	1.25E-04	3.17E-04	1.09E-03	pCi/m3	U
2112	594667004	8/8/2022	Cesium-137	7.78E-05	3.55E-04	1.21E-03	pCi/m3	U
2112	600159007	9/6/2022	Cesium-137	4.09E-04	3.04E-04	1.06E-03	pCi/m3	U
2112	600160007	10/4/2022	Cesium-137	-1.15E-04	2.39E-04	7.61E-04	pCi/m3	U
2112	606088007	10/31/2022	Cesium-137	-5.56E-05	3.41E-04	1.09E-03	pCi/m3	U
2112	606540007	11/28/2022	Cesium-137	2.96E-05	1.69E-04	5.65E-04	pCi/m3	U
2112	609503007	12/27/2022	Cesium-137	1.23E-04	2.93E-04	9.79E-04	pCi/m3	U
2112	571519004	1/24/2022	Chromium-51	-1.34E-03	4.18E-03	1.28E-02	pCi/m3	U
2112	575119004	2/22/2022	Chromium-51	-7.13E-04	4.22E-03	1.30E-02	pCi/m3	U
2112	580222004	3/21/2022	Chromium-51	4.50E-03	9.83E-03	3.25E-02	pCi/m3	U
2112	582716004	4/18/2022	Chromium-51	-1.65E-03	1.03E-02	3.31E-02	pCi/m3	U
2112	585173004	5/16/2022	Chromium-51	1.31E-03	6.88E-03	2.14E-02	pCi/m3	U
2112	587312009	6/13/2022	Chromium-51	-6.83E-04	3.70E-03	1.23E-02	pCi/m3	U
2112	592755006	7/11/2022	Chromium-51	-2.10E-02	1.41E-02	3.87E-02	pCi/m3	U
2112	594667004	8/8/2022	Chromium-51	-4.27E-03	7.20E-03	2.21E-02	pCi/m3	U
2112	600159007	9/6/2022	Chromium-51	-5.37E-03	7.10E-03	2.30E-02	pCi/m3	U
2112	600160007	10/4/2022	Chromium-51	-3.82E-04	3.34E-03	1.10E-02	pCi/m3	U
2112	606088007	10/31/2022	Chromium-51	-8.06E-04	1.17E-02	3.57E-02	pCi/m3	U
2112	606540007	11/28/2022	Chromium-51	-9.42E-03	3.95E-03	1.14E-02	pCi/m3	U
2112	609503007	12/27/2022	Chromium-51	-8.50E-03	5.25E-03	1.63E-02	pCi/m3	U
2112	571519004	1/24/2022	Cobalt-57	-9.10E-05	1.14E-04	3.57E-04	pCi/m3	U
2112	575119004	2/22/2022	Cobalt-57	2.95E-05	1.27E-04	4.23E-04	pCi/m3	U
2112	580222004	3/21/2022	Cobalt-57	-1.53E-04	1.86E-04	6.05E-04	pCi/m3	U
2112	582716004	4/18/2022	Cobalt-57	-2.29E-04	1.86E-04	5.95E-04	pCi/m3	U
2112	585173004	5/16/2022	Cobalt-57	3.94E-04	1.73E-04	6.07E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	587312009	6/13/2022	Cobalt-57	-5.11E-05	1.05E-04	3.27E-04	pCi/m3	U
2112	592755006	7/11/2022	Cobalt-57	1.05E-04	1.68E-04	5.73E-04	pCi/m3	U
2112	594667004	8/8/2022	Cobalt-57	-3.71E-04	2.33E-04	5.94E-04	pCi/m3	U
2112	600159007	9/6/2022	Cobalt-57	1.94E-05	1.04E-04	3.47E-04	pCi/m3	U
2112	600160007	10/4/2022	Cobalt-57	1.85E-04	1.23E-04	4.34E-04	pCi/m3	U
2112	606088007	10/31/2022	Cobalt-57	5.03E-05	1.85E-04	6.02E-04	pCi/m3	U
2112	606540007	11/28/2022	Cobalt-57	-1.43E-04	1.36E-04	3.94E-04	pCi/m3	U
2112	609503007	12/27/2022	Cobalt-57	2.58E-05	1.62E-04	5.24E-04	pCi/m3	U
2112	571519004	1/24/2022	Cobalt-58	1.93E-04	2.96E-04	1.04E-03	pCi/m3	U
2112	575119004	2/22/2022	Cobalt-58	1.76E-04	2.36E-04	8.55E-04	pCi/m3	U
2112	580222004	3/21/2022	Cobalt-58	3.74E-04	5.42E-04	1.88E-03	pCi/m3	U
2112	582716004	4/18/2022	Cobalt-58	6.26E-04	5.72E-04	2.05E-03	pCi/m3	U
2112	585173004	5/16/2022	Cobalt-58	1.26E-04	4.73E-04	1.43E-03	pCi/m3	U
2112	587312009	6/13/2022	Cobalt-58	-2.90E-04	3.45E-04	1.04E-03	pCi/m3	U
2112	592755006	7/11/2022	Cobalt-58	-2.35E-04	6.06E-04	1.90E-03	pCi/m3	U
2112	594667004	8/8/2022	Cobalt-58	-1.19E-03	5.36E-04	1.34E-03	pCi/m3	U
2112	600159007	9/6/2022	Cobalt-58	4.04E-04	4.05E-04	1.53E-03	pCi/m3	U
2112	600160007	10/4/2022	Cobalt-58	-5.71E-04	2.97E-04	6.50E-04	pCi/m3	U
2112	606088007	10/31/2022	Cobalt-58	-9.50E-06	5.18E-04	1.47E-03	pCi/m3	U
2112	606540007	11/28/2022	Cobalt-58	3.34E-04	2.67E-04	9.94E-04	pCi/m3	U
2112	609503007	12/27/2022	Cobalt-58	-1.59E-05	4.00E-04	1.28E-03	pCi/m3	U
2112	571519004	1/24/2022	Cobalt-60	-1.80E-04	2.67E-04	8.15E-04	pCi/m3	U
2112	575119004	2/22/2022	Cobalt-60	8.02E-05	3.13E-04	1.09E-03	pCi/m3	U
2112	580222004	3/21/2022	Cobalt-60	2.78E-04	4.12E-04	1.47E-03	pCi/m3	U
2112	582716004	4/18/2022	Cobalt-60	3.24E-04	3.22E-04	1.21E-03	pCi/m3	U
2112	585173004	5/16/2022	Cobalt-60	5.71E-04	3.03E-04	1.17E-03	pCi/m3	U
2112	587312009	6/13/2022	Cobalt-60	2.19E-04	2.73E-04	9.75E-04	pCi/m3	U
2112	592755006	7/11/2022	Cobalt-60	-4.53E-05	3.22E-04	1.07E-03	pCi/m3	U
2112	594667004	8/8/2022	Cobalt-60	1.62E-04	4.51E-04	1.52E-03	pCi/m3	U
2112	600159007	9/6/2022	Cobalt-60	6.50E-04	3.26E-04	1.35E-03	pCi/m3	U
2112	600160007	10/4/2022	Cobalt-60	7.43E-04	3.14E-04	1.30E-03	pCi/m3	U
2112	606088007	10/31/2022	Cobalt-60	4.58E-04	3.38E-04	1.30E-03	pCi/m3	U
2112	606540007	11/28/2022	Cobalt-60	2.06E-04	2.09E-04	8.03E-04	pCi/m3	U
2112	609503007	12/27/2022	Cobalt-60	-4.03E-04	3.40E-04	9.71E-04	pCi/m3	U
2112	571519004	1/24/2022	Iron-59	-8.48E-05	8.28E-04	2.60E-03	pCi/m3	U
2112	575119004	2/22/2022	Iron-59	-1.62E-03	8.53E-04	1.79E-03	pCi/m3	U
2112	580222004	3/21/2022	Iron-59	-1.81E-03	1.44E-03	3.84E-03	pCi/m3	U
2112	582716004	4/18/2022	Iron-59	2.82E-03	1.58E-03	5.70E-03	pCi/m3	U
2112	585173004	5/16/2022	Iron-59	-1.15E-03	1.20E-03	3.59E-03	pCi/m3	U
2112	587312009	6/13/2022	Iron-59	2.29E-03	7.75E-04	3.37E-03	pCi/m3	U
2112	592755006	7/11/2022	Iron-59	-1.73E-03	2.25E-03	6.50E-03	pCi/m3	U
2112	594667004	8/8/2022	Iron-59	1.92E-03	1.36E-03	5.12E-03	pCi/m3	U
2112	600159007	9/6/2022	Iron-59	-1.54E-04	1.43E-03	4.64E-03	pCi/m3	U
2112	600160007	10/4/2022	Iron-59	-5.53E-04	8.59E-04	2.64E-03	pCi/m3	U
2112	606088007	10/31/2022	Iron-59	1.36E-03	1.36E-03	5.00E-03	pCi/m3	U
2112	606540007	11/28/2022	Iron-59	-2.74E-04	7.69E-04	2.49E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	609503007	12/27/2022	Iron-59	-1.82E-03	9.15E-04	2.33E-03	pCi/m3	U
2112	571519004	1/24/2022	Lanthanum-140	4.32E-03	1.80E-03	8.40E-03	pCi/m3	U
2112	575119004	2/22/2022	Lanthanum-140	3.73E-03	3.50E-03	1.32E-02	pCi/m3	U
2112	580222004	3/21/2022	Lanthanum-140	-1.86E-02	9.97E-03	2.36E-02	pCi/m3	U
2112	582716004	4/18/2022	Lanthanum-140	-2.61E-03	8.09E-03	2.52E-02	pCi/m3	U
2112	585173004	5/16/2022	Lanthanum-140	2.34E-03	5.24E-03	1.81E-02	pCi/m3	U
2112	587312009	6/13/2022	Lanthanum-140	-3.61E-03	2.38E-03	5.45E-03	pCi/m3	U
2112	592755006	7/11/2022	Lanthanum-140	8.37E-03	1.77E-02	6.44E-02	pCi/m3	U
2112	594667004	8/8/2022	Lanthanum-140	-7.05E-03	8.27E-03	1.89E-02	pCi/m3	U
2112	600159007	9/6/2022	Lanthanum-140	-7.16E-03	9.88E-03	2.81E-02	pCi/m3	U
2112	600160007	10/4/2022	Lanthanum-140	-9.74E-04	2.07E-03	6.36E-03	pCi/m3	U
2112	606088007	10/31/2022	Lanthanum-140	1.38E-02	1.36E-02	5.08E-02	pCi/m3	U
2112	606540007	11/28/2022	Lanthanum-140	-2.93E-03	3.47E-03	9.99E-03	pCi/m3	U
2112	609503007	12/27/2022	Lanthanum-140	5.79E-05	3.09E-03	1.02E-02	pCi/m3	U
2112	571519004	1/24/2022	Lead-210	2.68E-02	5.85E-02	1.02E-01	pCi/m3	U
2112	575119004	2/22/2022	Lead-210	2.66E-02	5.48E-02	1.03E-01	pCi/m3	U
2112	580222004	3/21/2022	Lead-210	5.06E-02	2.07E-02	3.35E-02	pCi/m3	UI
2112	582716004	4/18/2022	Lead-210	6.97E-03	2.37E-02	4.05E-02	pCi/m3	U
2112	585173004	5/16/2022	Lead-210	-6.81E-03	4.45E-02	1.49E-01	pCi/m3	U
2112	587312009	6/13/2022	Lead-210	5.41E-02	2.60E-02	3.87E-02	pCi/m3	UI
2112	592755006	7/11/2022	Lead-210	2.93E-02	6.27E-03	8.01E-03	pCi/m3	U
2112	594667004	8/8/2022	Lead-210	-1.27E-01	6.58E-02	1.98E-01	pCi/m3	U
2112	600159007	9/6/2022	Lead-210	1.95E-02	4.03E-03	5.51E-03	pCi/m3	U
2112	600160007	10/4/2022	Lead-210	-1.80E-02	5.33E-02	1.65E-01	pCi/m3	U
2112	606088007	10/31/2022	Lead-210	6.08E-02	7.48E-02	8.58E-02	pCi/m3	U
2112	606540007	11/28/2022	Lead-210	1.37E-02	1.63E-02	5.32E-02	pCi/m3	U
2112	609503007	12/27/2022	Lead-210	2.06E-03	2.93E-02	9.34E-02	pCi/m3	U
2112	571519004	1/24/2022	Lead-212	7.80E-04	6.63E-04	1.48E-03	pCi/m3	U
2112	575119004	2/22/2022	Lead-212	7.40E-04	5.50E-04	1.16E-03	pCi/m3	U
2112	580222004	3/21/2022	Lead-212	4.43E-04	7.40E-04	1.60E-03	pCi/m3	U
2112	582716004	4/18/2022	Lead-212	2.75E-03	8.75E-04	1.60E-03	pCi/m3	U
2112	585173004	5/16/2022	Lead-212	3.89E-04	6.67E-04	1.30E-03	pCi/m3	U
2112	587312009	6/13/2022	Lead-212	1.99E-03	7.59E-04	9.43E-04	pCi/m3	U
2112	592755006	7/11/2022	Lead-212	1.04E-03	9.85E-04	1.59E-03	pCi/m3	U
2112	594667004	8/8/2022	Lead-212	5.87E-04	7.14E-04	1.77E-03	pCi/m3	U
2112	600159007	9/6/2022	Lead-212	1.85E-04	3.53E-04	1.11E-03	pCi/m3	U
2112	600160007	10/4/2022	Lead-212	3.86E-04	5.45E-04	9.26E-04	pCi/m3	U
2112	606088007	10/31/2022	Lead-212	6.83E-04	9.09E-04	1.73E-03	pCi/m3	U
2112	606540007	11/28/2022	Lead-212	5.74E-04	4.16E-04	1.37E-03	pCi/m3	U
2112	609503007	12/27/2022	Lead-212	1.24E-03	6.82E-04	1.75E-03	pCi/m3	U
2112	571519004	1/24/2022	Lead-214	1.71E-03	8.46E-04	1.96E-03	pCi/m3	U
2112	575119004	2/22/2022	Lead-214	-1.62E-05	5.83E-04	1.81E-03	pCi/m3	U
2112	580222004	3/21/2022	Lead-214	1.83E-03	1.10E-03	2.08E-03	pCi/m3	U
2112	582716004	4/18/2022	Lead-214	1.32E-03	7.83E-04	2.52E-03	pCi/m3	U
2112	585173004	5/16/2022	Lead-214	5.75E-04	8.09E-04	2.16E-03	pCi/m3	U
2112	587312009	6/13/2022	Lead-214	-3.94E-04	4.68E-04	1.42E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	592755006	7/11/2022	Lead-214	-2.45E-04	7.81E-04	2.30E-03	pCi/m3	U
2112	594667004	8/8/2022	Lead-214	3.16E-03	1.07E-03	2.62E-03	pCi/m3	UI
2112	600159007	9/6/2022	Lead-214	2.86E-04	5.35E-04	1.77E-03	pCi/m3	U
2112	600160007	10/4/2022	Lead-214	-5.72E-04	5.23E-04	1.43E-03	pCi/m3	U
2112	606088007	10/31/2022	Lead-214	5.61E-05	6.76E-04	2.25E-03	pCi/m3	U
2112	606540007	11/28/2022	Lead-214	-8.00E-04	5.27E-04	1.58E-03	pCi/m3	U
2112	609503007	12/27/2022	Lead-214	3.60E-03	1.22E-03	2.37E-03	pCi/m3	UI
2112	571519004	1/24/2022	Manganese-54	-1.39E-05	2.69E-04	8.70E-04	pCi/m3	U
2112	575119004	2/22/2022	Manganese-54	3.07E-04	2.30E-04	8.62E-04	pCi/m3	U
2112	580222004	3/21/2022	Manganese-54	-1.40E-04	3.10E-04	9.66E-04	pCi/m3	U
2112	582716004	4/18/2022	Manganese-54	-4.11E-04	4.05E-04	1.22E-03	pCi/m3	U
2112	585173004	5/16/2022	Manganese-54	6.68E-05	3.07E-04	9.18E-04	pCi/m3	U
2112	587312009	6/13/2022	Manganese-54	-2.16E-04	2.56E-04	8.01E-04	pCi/m3	U
2112	592755006	7/11/2022	Manganese-54	1.29E-04	3.33E-04	1.14E-03	pCi/m3	U
2112	594667004	8/8/2022	Manganese-54	3.73E-04	3.10E-04	1.15E-03	pCi/m3	U
2112	600159007	9/6/2022	Manganese-54	-6.91E-05	3.38E-04	1.12E-03	pCi/m3	U
2112	600160007	10/4/2022	Manganese-54	-2.15E-05	2.86E-04	8.01E-04	pCi/m3	U
2112	606088007	10/31/2022	Manganese-54	2.38E-04	4.02E-04	1.35E-03	pCi/m3	U
2112	606540007	11/28/2022	Manganese-54	-1.30E-04	2.34E-04	6.02E-04	pCi/m3	U
2112	609503007	12/27/2022	Manganese-54	-3.69E-05	2.96E-04	9.35E-04	pCi/m3	U
2112	571519004	1/24/2022	Molybdenum-99	1.88E+01	2.21E+01	0.00E+00	pCi/m3	UI
2112	575119004	2/22/2022	Molybdenum-99	-2.69E+01	6.29E+01	0.00E+00	pCi/m3	U
2112	580222004	3/21/2022	Molybdenum-99	4.03E+03	1.13E+04	0.00E+00	pCi/m3	UI
2112	582716004	4/18/2022	Molybdenum-99	-7.95E+03	9.23E+03	0.00E+00	pCi/m3	U
2112	585173004	5/16/2022	Molybdenum-99	-2.18E+03	1.22E+03	0.00E+00	pCi/m3	U
2112	587312009	6/13/2022	Molybdenum-99	2.47E+01	1.43E+02	0.00E+00	pCi/m3	UI
2112	592755006	7/11/2022	Molybdenum-99	-6.89E+04	1.74E+05	0.00E+00	pCi/m3	U
2112	594667004	8/8/2022	Molybdenum-99	-1.54E+02	1.06E+03	0.00E+00	pCi/m3	U
2112	600159007	9/6/2022	Molybdenum-99	-4.37E+04	3.08E+04	0.00E+00	pCi/m3	U
2112	600160007	10/4/2022	Molybdenum-99	-1.15E+01	2.16E+01	0.00E+00	pCi/m3	U
2112	606088007	10/31/2022	Molybdenum-99	-5.56E+04	4.86E+04	0.00E+00	pCi/m3	U
2112	606540007	11/28/2022	Molybdenum-99	1.13E+02	1.31E+02	0.00E+00	pCi/m3	UI
2112	609503007	12/27/2022	Molybdenum-99	1.58E+02	8.37E+01	0.00E+00	pCi/m3	UI
2112	571519004	1/24/2022	Niobium-95	-2.78E-04	2.94E-04	8.53E-04	pCi/m3	U
2112	575119004	2/22/2022	Niobium-95	9.58E-05	2.87E-04	8.91E-04	pCi/m3	U
2112	580222004	3/21/2022	Niobium-95	7.01E-04	6.80E-04	2.40E-03	pCi/m3	U
2112	582716004	4/18/2022	Niobium-95	-4.56E-04	6.67E-04	1.94E-03	pCi/m3	U
2112	585173004	5/16/2022	Niobium-95	-4.70E-04	5.18E-04	1.31E-03	pCi/m3	U
2112	587312009	6/13/2022	Niobium-95	5.91E-05	4.01E-04	1.24E-03	pCi/m3	U
2112	592755006	7/11/2022	Niobium-95	-3.61E-04	5.58E-04	1.68E-03	pCi/m3	U
2112	594667004	8/8/2022	Niobium-95	-7.58E-04	6.25E-04	1.84E-03	pCi/m3	U
2112	600159007	9/6/2022	Niobium-95	-6.79E-07	5.89E-04	1.91E-03	pCi/m3	U
2112	600160007	10/4/2022	Niobium-95	6.17E-05	2.83E-04	9.50E-04	pCi/m3	U
2112	606088007	10/31/2022	Niobium-95	-6.08E-04	6.86E-04	1.99E-03	pCi/m3	U
2112	606540007	11/28/2022	Niobium-95	-9.28E-05	3.24E-04	1.02E-03	pCi/m3	U
2112	609503007	12/27/2022	Niobium-95	4.43E-04	4.40E-04	1.53E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	571519004	1/24/2022	Potassium-40	3.86E-03	4.19E-03	1.66E-02	pCi/m3	U
2112	575119004	2/22/2022	Potassium-40	-3.56E-03	4.21E-03	1.48E-02	pCi/m3	U
2112	580222004	3/21/2022	Potassium-40	1.41E-02	7.06E-03	1.52E-02	pCi/m3	U
2112	582716004	4/18/2022	Potassium-40	2.46E-02	8.99E-03	1.30E-02	pCi/m3	U
2112	585173004	5/16/2022	Potassium-40	1.01E-02	6.05E-03	1.11E-02	pCi/m3	U
2112	587312009	6/13/2022	Potassium-40	5.68E-03	4.56E-03	9.32E-03	pCi/m3	U
2112	592755006	7/11/2022	Potassium-40	3.56E-02	7.90E-03	8.79E-03	pCi/m3	U
2112	594667004	8/8/2022	Potassium-40	1.24E-02	6.97E-03	1.00E-02	pCi/m3	UI
2112	600159007	9/6/2022	Potassium-40	2.37E-03	3.88E-03	1.59E-02	pCi/m3	U
2112	600160007	10/4/2022	Potassium-40	1.29E-02	4.81E-03	2.00E-02	pCi/m3	U
2112	606088007	10/31/2022	Potassium-40	2.43E-03	5.21E-03	2.03E-02	pCi/m3	U
2112	606540007	11/28/2022	Potassium-40	-7.11E-04	3.99E-03	1.49E-02	pCi/m3	U
2112	609503007	12/27/2022	Potassium-40	2.34E-03	5.21E-03	8.01E-03	pCi/m3	U
2112	571519004	1/24/2022	Radium-226	1.61E-03	1.17E-03	1.44E-03	pCi/m3	UI
2112	575119004	2/22/2022	Radium-226	-1.64E-04	6.32E-04	1.86E-03	pCi/m3	U
2112	580222004	3/21/2022	Radium-226	2.73E-05	7.89E-04	2.58E-03	pCi/m3	U
2112	582716004	4/18/2022	Radium-226	1.35E-03	1.33E-03	2.27E-03	pCi/m3	U
2112	585173004	5/16/2022	Radium-226	-1.20E-03	7.46E-04	2.32E-03	pCi/m3	U
2112	587312009	6/13/2022	Radium-226	-1.64E-04	5.40E-04	1.77E-03	pCi/m3	U
2112	592755006	7/11/2022	Radium-226	-7.46E-04	8.96E-04	2.59E-03	pCi/m3	U
2112	594667004	8/8/2022	Radium-226	-8.91E-04	8.83E-04	2.49E-03	pCi/m3	U
2112	600159007	9/6/2022	Radium-226	2.86E-04	5.35E-04	1.77E-03	pCi/m3	U
2112	600160007	10/4/2022	Radium-226	-5.72E-04	5.23E-04	1.43E-03	pCi/m3	U
2112	606088007	10/31/2022	Radium-226	5.61E-05	6.76E-04	2.25E-03	pCi/m3	U
2112	606540007	11/28/2022	Radium-226	-8.00E-04	5.27E-04	1.58E-03	pCi/m3	U
2112	609503007	12/27/2022	Radium-226	3.60E-03	1.22E-03	2.37E-03	pCi/m3	UI
2112	571519004	1/24/2022	Radium-228	4.85E-03	1.35E-03	4.56E-03	pCi/m3	UI
2112	575119004	2/22/2022	Radium-228	-1.12E-03	1.16E-03	3.49E-03	pCi/m3	U
2112	580222004	3/21/2022	Radium-228	3.38E-03	1.77E-03	6.41E-03	pCi/m3	U
2112	582716004	4/18/2022	Radium-228	7.13E-04	1.78E-03	5.11E-03	pCi/m3	U
2112	585173004	5/16/2022	Radium-228	-1.15E-03	1.51E-03	4.43E-03	pCi/m3	U
2112	587312009	6/13/2022	Radium-228	5.68E-03	1.22E-03	4.49E-03	pCi/m3	UI
2112	592755006	7/11/2022	Radium-228	-2.67E-04	1.68E-03	5.40E-03	pCi/m3	U
2112	594667004	8/8/2022	Radium-228	3.19E-03	2.08E-03	5.87E-03	pCi/m3	U
2112	600159007	9/6/2022	Radium-228	-1.99E-03	1.09E-03	2.86E-03	pCi/m3	U
2112	600160007	10/4/2022	Radium-228	7.01E-04	1.03E-03	3.55E-03	pCi/m3	U
2112	606088007	10/31/2022	Radium-228	4.28E-04	2.06E-03	5.00E-03	pCi/m3	U
2112	606540007	11/28/2022	Radium-228	1.63E-03	1.58E-03	3.54E-03	pCi/m3	U
2112	609503007	12/27/2022	Radium-228	7.55E-04	2.04E-03	4.77E-03	pCi/m3	U
2112	571519004	1/24/2022	Ruthenium-103	-9.48E-04	3.70E-04	9.86E-04	pCi/m3	U
2112	575119004	2/22/2022	Ruthenium-103	-1.54E-04	3.68E-04	1.20E-03	pCi/m3	U
2112	580222004	3/21/2022	Ruthenium-103	1.95E-04	7.57E-04	2.60E-03	pCi/m3	U
2112	582716004	4/18/2022	Ruthenium-103	-8.06E-04	7.77E-04	2.46E-03	pCi/m3	U
2112	585173004	5/16/2022	Ruthenium-103	-1.13E-03	5.47E-04	1.61E-03	pCi/m3	U
2112	587312009	6/13/2022	Ruthenium-103	-3.49E-04	4.73E-04	1.22E-03	pCi/m3	U
2112	592755006	7/11/2022	Ruthenium-103	-6.62E-04	9.69E-04	3.10E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	594667004	8/8/2022	Ruthenium-103	-7.02E-04	7.01E-04	2.04E-03	pCi/m3	U
2112	600159007	9/6/2022	Ruthenium-103	-2.32E-04	6.79E-04	2.17E-03	pCi/m3	U
2112	600160007	10/4/2022	Ruthenium-103	3.48E-04	3.47E-04	1.21E-03	pCi/m3	U
2112	606088007	10/31/2022	Ruthenium-103	6.50E-04	7.37E-04	2.60E-03	pCi/m3	U
2112	606540007	11/28/2022	Ruthenium-103	1.83E-05	3.66E-04	1.22E-03	pCi/m3	U
2112	609503007	12/27/2022	Ruthenium-103	-3.82E-04	4.38E-04	1.35E-03	pCi/m3	U
2112	571519004	1/24/2022	Ruthenium-106	1.67E-03	1.95E-03	6.98E-03	pCi/m3	U
2112	575119004	2/22/2022	Ruthenium-106	-9.54E-04	2.19E-03	7.01E-03	pCi/m3	U
2112	580222004	3/21/2022	Ruthenium-106	-4.94E-03	3.35E-03	1.01E-02	pCi/m3	U
2112	582716004	4/18/2022	Ruthenium-106	2.33E-03	3.13E-03	1.10E-02	pCi/m3	U
2112	585173004	5/16/2022	Ruthenium-106	1.89E-03	2.60E-03	8.87E-03	pCi/m3	U
2112	587312009	6/13/2022	Ruthenium-106	1.87E-03	2.23E-03	7.65E-03	pCi/m3	U
2112	592755006	7/11/2022	Ruthenium-106	2.76E-03	3.37E-03	1.20E-02	pCi/m3	U
2112	594667004	8/8/2022	Ruthenium-106	6.37E-04	2.81E-03	8.54E-03	pCi/m3	U
2112	600159007	9/6/2022	Ruthenium-106	-3.36E-03	2.81E-03	7.99E-03	pCi/m3	U
2112	600160007	10/4/2022	Ruthenium-106	-2.90E-03	2.41E-03	7.34E-03	pCi/m3	U
2112	606088007	10/31/2022	Ruthenium-106	3.92E-03	2.89E-03	1.04E-02	pCi/m3	U
2112	606540007	11/28/2022	Ruthenium-106	2.35E-04	1.91E-03	6.35E-03	pCi/m3	U
2112	609503007	12/27/2022	Ruthenium-106	-1.50E-03	2.41E-03	6.47E-03	pCi/m3	U
2112	571519004	1/24/2022	Selenium-75	-1.00E-04	2.90E-04	8.94E-04	pCi/m3	U
2112	575119004	2/22/2022	Selenium-75	1.70E-04	3.00E-04	9.88E-04	pCi/m3	U
2112	580222004	3/21/2022	Selenium-75	-2.02E-04	5.11E-04	1.44E-03	pCi/m3	U
2112	582716004	4/18/2022	Selenium-75	4.42E-04	4.70E-04	1.61E-03	pCi/m3	U
2112	585173004	5/16/2022	Selenium-75	3.47E-05	3.75E-04	1.14E-03	pCi/m3	U
2112	587312009	6/13/2022	Selenium-75	3.57E-04	2.56E-04	9.36E-04	pCi/m3	U
2112	592755006	7/11/2022	Selenium-75	-4.83E-05	5.14E-04	1.62E-03	pCi/m3	U
2112	594667004	8/8/2022	Selenium-75	-4.87E-04	4.16E-04	1.24E-03	pCi/m3	U
2112	600159007	9/6/2022	Selenium-75	7.57E-04	3.23E-04	1.18E-03	pCi/m3	U
2112	600160007	10/4/2022	Selenium-75	4.00E-04	2.72E-04	9.91E-04	pCi/m3	U
2112	606088007	10/31/2022	Selenium-75	9.05E-06	4.03E-04	1.38E-03	pCi/m3	U
2112	606540007	11/28/2022	Selenium-75	2.13E-04	2.83E-04	1.01E-03	pCi/m3	U
2112	609503007	12/27/2022	Selenium-75	-2.31E-04	3.32E-04	1.10E-03	pCi/m3	U
2112	571519004	1/24/2022	Silver-108m	7.83E-06	1.65E-04	5.63E-04	pCi/m3	U
2112	575119004	2/22/2022	Silver-108m	4.49E-04	2.26E-04	5.94E-04	pCi/m3	U
2112	580222004	3/21/2022	Silver-108m	-9.41E-05	2.64E-04	8.17E-04	pCi/m3	U
2112	582716004	4/18/2022	Silver-108m	1.99E-04	2.45E-04	8.23E-04	pCi/m3	U
2112	585173004	5/16/2022	Silver-108m	-1.72E-04	1.96E-04	6.32E-04	pCi/m3	U
2112	587312009	6/13/2022	Silver-108m	-3.71E-04	1.68E-04	4.62E-04	pCi/m3	U
2112	592755006	7/11/2022	Silver-108m	-1.62E-04	2.53E-04	8.22E-04	pCi/m3	U
2112	594667004	8/8/2022	Silver-108m	-1.38E-05	2.34E-04	7.91E-04	pCi/m3	U
2112	600159007	9/6/2022	Silver-108m	-1.15E-04	1.78E-04	5.61E-04	pCi/m3	U
2112	600160007	10/4/2022	Silver-108m	2.48E-06	1.65E-04	5.33E-04	pCi/m3	U
2112	606088007	10/31/2022	Silver-108m	-1.81E-04	2.33E-04	7.36E-04	pCi/m3	U
2112	606540007	11/28/2022	Silver-108m	8.67E-05	1.48E-04	5.20E-04	pCi/m3	U
2112	609503007	12/27/2022	Silver-108m	-3.44E-04	1.92E-04	5.54E-04	pCi/m3	U
2112	571519004	1/24/2022	Silver-110m	-4.00E-04	3.52E-04	9.80E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	575119004	2/22/2022	Silver-110m	-1.51E-04	3.17E-04	9.58E-04	pCi/m3	U
2112	580222004	3/21/2022	Silver-110m	1.68E-04	5.10E-04	1.71E-03	pCi/m3	U
2112	582716004	4/18/2022	Silver-110m	-2.64E-04	4.95E-04	1.53E-03	pCi/m3	U
2112	585173004	5/16/2022	Silver-110m	1.48E-03	1.59E-03	1.49E-03	pCi/m3	U
2112	587312009	6/13/2022	Silver-110m	-4.01E-05	3.24E-04	1.07E-03	pCi/m3	U
2112	592755006	7/11/2022	Silver-110m	1.76E-04	5.70E-04	1.93E-03	pCi/m3	U
2112	594667004	8/8/2022	Silver-110m	1.39E-04	4.00E-04	1.38E-03	pCi/m3	U
2112	600159007	9/6/2022	Silver-110m	2.24E-04	4.99E-04	1.75E-03	pCi/m3	U
2112	600160007	10/4/2022	Silver-110m	-1.83E-04	3.24E-04	9.64E-04	pCi/m3	U
2112	606088007	10/31/2022	Silver-110m	-8.09E-05	4.80E-04	1.50E-03	pCi/m3	U
2112	606540007	11/28/2022	Silver-110m	-4.37E-04	3.92E-04	1.10E-03	pCi/m3	U
2112	609503007	12/27/2022	Silver-110m	3.06E-04	3.12E-04	1.12E-03	pCi/m3	U
2112	571519004	1/24/2022	Tellurium-132	-1.66E-01	5.54E-01	0.00E+00	pCi/m3	U
2112	575119004	2/22/2022	Tellurium-132	2.71E-01	1.24E+00	0.00E+00	pCi/m3	UI
2112	580222004	3/21/2022	Tellurium-132	-6.06E+00	7.45E+01	0.00E+00	pCi/m3	U
2112	582716004	4/18/2022	Tellurium-132	6.15E+01	9.35E+01	0.00E+00	pCi/m3	UI
2112	585173004	5/16/2022	Tellurium-132	4.29E+01	1.51E+01	0.00E+00	pCi/m3	UI
2112	587312009	6/13/2022	Tellurium-132	1.75E+00	2.29E+00	0.00E+00	pCi/m3	UI
2112	592755006	7/11/2022	Tellurium-132	3.58E+02	1.30E+03	0.00E+00	pCi/m3	UI
2112	594667004	8/8/2022	Tellurium-132	-1.02E+01	1.35E+01	0.00E+00	pCi/m3	U
2112	600159007	9/6/2022	Tellurium-132	8.72E+00	2.23E+02	0.00E+00	pCi/m3	UI
2112	600160007	10/4/2022	Tellurium-132	6.68E-01	4.78E-01	0.00E+00	pCi/m3	UI
2112	606088007	10/31/2022	Tellurium-132	9.71E+02	4.06E+02	0.00E+00	pCi/m3	UI
2112	606540007	11/28/2022	Tellurium-132	2.21E+00	1.91E+00	0.00E+00	pCi/m3	UI
2112	609503007	12/27/2022	Tellurium-132	2.80E+00	2.14E+00	0.00E+00	pCi/m3	UI
2112	571519004	1/24/2022	Thallium-208	6.53E-05	3.73E-04	6.71E-04	pCi/m3	U
2112	575119004	2/22/2022	Thallium-208	1.63E-05	3.22E-04	1.02E-03	pCi/m3	U
2112	580222004	3/21/2022	Thallium-208	1.36E-03	6.81E-04	1.14E-03	pCi/m3	UI
2112	582716004	4/18/2022	Thallium-208	4.08E-04	4.24E-04	9.69E-04	pCi/m3	U
2112	585173004	5/16/2022	Thallium-208	4.60E-04	4.76E-04	8.66E-04	pCi/m3	U
2112	587312009	6/13/2022	Thallium-208	8.24E-06	3.03E-04	9.99E-04	pCi/m3	U
2112	592755006	7/11/2022	Thallium-208	7.59E-04	6.26E-04	9.14E-04	pCi/m3	U
2112	594667004	8/8/2022	Thallium-208	6.33E-04	4.93E-04	9.76E-04	pCi/m3	U
2112	600159007	9/6/2022	Thallium-208	-3.98E-04	3.14E-04	8.76E-04	pCi/m3	U
2112	600160007	10/4/2022	Thallium-208	8.14E-04	2.96E-04	6.46E-04	pCi/m3	U
2112	606088007	10/31/2022	Thallium-208	1.06E-03	5.95E-04	9.51E-04	pCi/m3	UI
2112	606540007	11/28/2022	Thallium-208	7.63E-04	3.57E-04	7.79E-04	pCi/m3	U
2112	609503007	12/27/2022	Thallium-208	2.30E-04	4.80E-04	8.37E-04	pCi/m3	U
2112	571519004	1/24/2022	Thorium-228	7.80E-04	6.63E-04	1.48E-03	pCi/m3	U
2112	575119004	2/22/2022	Thorium-228	7.40E-04	5.50E-04	1.16E-03	pCi/m3	U
2112	580222004	3/21/2022	Thorium-228	4.43E-04	7.40E-04	1.60E-03	pCi/m3	U
2112	582716004	4/18/2022	Thorium-228	2.75E-03	8.75E-04	1.60E-03	pCi/m3	U
2112	585173004	5/16/2022	Thorium-228	3.89E-04	6.67E-04	1.30E-03	pCi/m3	U
2112	587312009	6/13/2022	Thorium-228	1.99E-03	7.59E-04	9.43E-04	pCi/m3	U
2112	592755006	7/11/2022	Thorium-228	1.04E-03	9.85E-04	1.59E-03	pCi/m3	U
2112	594667004	8/8/2022	Thorium-228	5.87E-04	7.14E-04	1.77E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	600159007	9/6/2022	Thorium-228	1.85E-04	3.53E-04	1.11E-03	pCi/m3	U
2112	600160007	10/4/2022	Thorium-228	3.86E-04	5.45E-04	9.26E-04	pCi/m3	U
2112	606088007	10/31/2022	Thorium-228	6.83E-04	9.09E-04	1.73E-03	pCi/m3	U
2112	606540007	11/28/2022	Thorium-228	5.74E-04	4.16E-04	1.37E-03	pCi/m3	U
2112	609503007	12/27/2022	Thorium-228	1.24E-03	6.82E-04	1.75E-03	pCi/m3	U
2112	571519004	1/24/2022	Thorium-230	1.61E-03	1.17E-03	1.44E-03	pCi/m3	UI
2112	575119004	2/22/2022	Thorium-230	-1.64E-04	6.32E-04	1.86E-03	pCi/m3	U
2112	580222004	3/21/2022	Thorium-230	2.73E-05	7.89E-04	2.58E-03	pCi/m3	U
2112	582716004	4/18/2022	Thorium-230	1.35E-03	1.33E-03	2.27E-03	pCi/m3	U
2112	585173004	5/16/2022	Thorium-230	-1.20E-03	7.46E-04	2.32E-03	pCi/m3	U
2112	587312009	6/13/2022	Thorium-230	-1.64E-04	5.40E-04	1.77E-03	pCi/m3	U
2112	592755006	7/11/2022	Thorium-230	-7.46E-04	8.96E-04	2.59E-03	pCi/m3	U
2112	594667004	8/8/2022	Thorium-230	-8.91E-04	8.83E-04	2.49E-03	pCi/m3	U
2112	600159007	9/6/2022	Thorium-230	2.85E-04	5.35E-04	1.77E-03	pCi/m3	U
2112	600160007	10/4/2022	Thorium-230	-5.72E-04	5.23E-04	1.43E-03	pCi/m3	U
2112	606088007	10/31/2022	Thorium-230	5.61E-05	6.76E-04	2.25E-03	pCi/m3	U
2112	606540007	11/28/2022	Thorium-230	-8.00E-04	5.27E-04	1.58E-03	pCi/m3	U
2112	609503007	12/27/2022	Thorium-230	3.60E-03	1.22E-03	2.37E-03	pCi/m3	UI
2112	571519004	1/24/2022	Thorium-232	4.85E-03	1.35E-03	4.56E-03	pCi/m3	UI
2112	575119004	2/22/2022	Thorium-232	-1.12E-03	1.16E-03	3.49E-03	pCi/m3	U
2112	580222004	3/21/2022	Thorium-232	3.38E-03	1.77E-03	6.41E-03	pCi/m3	U
2112	582716004	4/18/2022	Thorium-232	7.13E-04	1.78E-03	5.11E-03	pCi/m3	U
2112	585173004	5/16/2022	Thorium-232	-1.15E-03	1.51E-03	4.43E-03	pCi/m3	U
2112	587312009	6/13/2022	Thorium-232	5.68E-03	1.22E-03	4.49E-03	pCi/m3	UI
2112	592755006	7/11/2022	Thorium-232	-2.67E-04	1.68E-03	5.40E-03	pCi/m3	U
2112	594667004	8/8/2022	Thorium-232	3.19E-03	2.08E-03	5.87E-03	pCi/m3	U
2112	600159007	9/6/2022	Thorium-232	-1.99E-03	1.09E-03	2.86E-03	pCi/m3	U
2112	600160007	10/4/2022	Thorium-232	7.01E-04	1.03E-03	3.55E-03	pCi/m3	U
2112	606088007	10/31/2022	Thorium-232	4.28E-04	2.06E-03	5.00E-03	pCi/m3	U
2112	606540007	11/28/2022	Thorium-232	1.63E-03	1.58E-03	3.54E-03	pCi/m3	U
2112	609503007	12/27/2022	Thorium-232	7.55E-04	2.04E-03	4.77E-03	pCi/m3	U
2112	571519004	1/24/2022	Thorium-234	6.58E-03	1.15E-02	2.48E-02	pCi/m3	U
2112	575119004	2/22/2022	Thorium-234	-2.70E-03	8.56E-03	2.75E-02	pCi/m3	U
2112	580222004	3/21/2022	Thorium-234	5.84E-03	1.33E-02	2.46E-02	pCi/m3	U
2112	582716004	4/18/2022	Thorium-234	9.38E-03	1.12E-02	2.46E-02	pCi/m3	U
2112	585173004	5/16/2022	Thorium-234	1.54E-02	1.81E-02	4.36E-02	pCi/m3	U
2112	587312009	6/13/2022	Thorium-234	9.06E-03	9.15E-03	2.17E-02	pCi/m3	U
2112	592755006	7/11/2022	Thorium-234	3.79E-03	4.78E-03	9.51E-03	pCi/m3	U
2112	594667004	8/8/2022	Thorium-234	-4.89E-03	1.63E-02	5.23E-02	pCi/m3	U
2112	600159007	9/6/2022	Thorium-234	-1.55E-03	2.50E-03	9.10E-03	pCi/m3	U
2112	600160007	10/4/2022	Thorium-234	5.91E-02	1.56E-02	2.68E-02	pCi/m3	UI
2112	606088007	10/31/2022	Thorium-234	1.74E-03	1.44E-02	3.45E-02	pCi/m3	U
2112	606540007	11/28/2022	Thorium-234	-5.82E-03	6.22E-03	1.90E-02	pCi/m3	U
2112	609503007	12/27/2022	Thorium-234	1.23E-02	1.18E-02	2.09E-02	pCi/m3	U
2112	571519004	1/24/2022	Uranium-234	1.61E-03	1.17E-03	1.44E-03	pCi/m3	UI
2112	575119004	2/22/2022	Uranium-234	-1.64E-04	6.32E-04	1.86E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	580222004	3/21/2022	Uranium-234	2.73E-05	7.89E-04	2.58E-03	pCi/m3	U
2112	582716004	4/18/2022	Uranium-234	1.35E-03	1.33E-03	2.27E-03	pCi/m3	U
2112	585173004	5/16/2022	Uranium-234	-1.20E-03	7.46E-04	2.32E-03	pCi/m3	U
2112	587312009	6/13/2022	Uranium-234	-1.64E-04	5.40E-04	1.77E-03	pCi/m3	U
2112	592755006	7/11/2022	Uranium-234	-7.46E-04	8.96E-04	2.59E-03	pCi/m3	U
2112	594667004	8/8/2022	Uranium-234	-8.91E-04	8.83E-04	2.49E-03	pCi/m3	U
2112	600159007	9/6/2022	Uranium-234	2.85E-04	5.35E-04	1.77E-03	pCi/m3	U
2112	600160007	10/4/2022	Uranium-234	-5.72E-04	5.23E-04	1.43E-03	pCi/m3	U
2112	606088007	10/31/2022	Uranium-234	5.61E-05	6.76E-04	2.25E-03	pCi/m3	U
2112	606540007	11/28/2022	Uranium-234	-8.00E-04	5.27E-04	1.58E-03	pCi/m3	U
2112	609503007	12/27/2022	Uranium-234	3.60E-03	1.22E-03	2.37E-03	pCi/m3	UI
2112	571519004	1/24/2022	Zinc-65	8.40E-04	5.53E-04	2.02E-03	pCi/m3	U
2112	575119004	2/22/2022	Zinc-65	9.54E-04	6.79E-04	1.57E-03	pCi/m3	U
2112	580222004	3/21/2022	Zinc-65	-9.55E-04	8.61E-04	2.39E-03	pCi/m3	U
2112	582716004	4/18/2022	Zinc-65	2.18E-03	1.10E-03	2.43E-03	pCi/m3	U
2112	585173004	5/16/2022	Zinc-65	-1.63E-04	6.82E-04	2.19E-03	pCi/m3	U
2112	587312009	6/13/2022	Zinc-65	-1.26E-04	5.57E-04	1.54E-03	pCi/m3	U
2112	592755006	7/11/2022	Zinc-65	-5.85E-04	1.10E-03	3.31E-03	pCi/m3	U
2112	594667004	8/8/2022	Zinc-65	4.47E-04	8.48E-04	2.92E-03	pCi/m3	U
2112	600159007	9/6/2022	Zinc-65	1.68E-03	8.12E-04	3.18E-03	pCi/m3	U
2112	600160007	10/4/2022	Zinc-65	-4.08E-04	8.55E-04	2.36E-03	pCi/m3	U
2112	606088007	10/31/2022	Zinc-65	-1.73E-04	7.14E-04	2.03E-03	pCi/m3	U
2112	606540007	11/28/2022	Zinc-65	1.34E-04	5.72E-04	1.78E-03	pCi/m3	U
2112	609503007	12/27/2022	Zinc-65	-2.00E-03	8.58E-04	1.68E-03	pCi/m3	U
2112	571519004	1/24/2022	Zirconium-95	-1.45E-03	6.19E-04	1.49E-03	pCi/m3	U
2112	575119004	2/22/2022	Zirconium-95	4.80E-04	6.08E-04	1.99E-03	pCi/m3	U
2112	580222004	3/21/2022	Zirconium-95	-9.62E-05	1.16E-03	3.79E-03	pCi/m3	U
2112	582716004	4/18/2022	Zirconium-95	4.27E-04	1.16E-03	3.94E-03	pCi/m3	U
2112	585173004	5/16/2022	Zirconium-95	-2.51E-04	8.07E-04	2.53E-03	pCi/m3	U
2112	587312009	6/13/2022	Zirconium-95	-6.26E-04	5.64E-04	1.72E-03	pCi/m3	U
2112	592755006	7/11/2022	Zirconium-95	-1.62E-04	1.24E-03	4.04E-03	pCi/m3	U
2112	594667004	8/8/2022	Zirconium-95	-5.14E-04	8.40E-04	2.62E-03	pCi/m3	U
2112	600159007	9/6/2022	Zirconium-95	1.34E-03	1.07E-03	3.82E-03	pCi/m3	U
2112	600160007	10/4/2022	Zirconium-95	3.32E-04	5.85E-04	2.02E-03	pCi/m3	U
2112	606088007	10/31/2022	Zirconium-95	1.20E-04	8.89E-04	2.91E-03	pCi/m3	U
2112	606540007	11/28/2022	Zirconium-95	2.80E-04	5.25E-04	1.80E-03	pCi/m3	U
2112	609503007	12/27/2022	Zirconium-95	-4.76E-04	7.39E-04	1.92E-03	pCi/m3	U
2115	571519005	1/24/2022	Actinium-228	-3.09E-04	1.30E-03	4.41E-03	pCi/m3	U
2115	575119005	2/22/2022	Actinium-228	-1.65E-03	2.56E-03	7.46E-03	pCi/m3	U
2115	580222005	3/21/2022	Actinium-228	-5.73E-04	9.97E-04	3.00E-03	pCi/m3	U
2115	582716005	4/18/2022	Actinium-228	9.23E-04	9.21E-04	3.14E-03	pCi/m3	U
2115	585173005	5/17/2022	Actinium-228	5.87E-03	1.92E-03	3.75E-03	pCi/m3	UI
2115	587312006	6/13/2022	Actinium-228	-8.86E-04	1.28E-03	4.30E-03	pCi/m3	U
2115	592755005	7/11/2022	Actinium-228	-2.26E-03	1.06E-03	2.87E-03	pCi/m3	U
2115	594667005	8/8/2022	Actinium-228	5.14E-04	9.17E-04	3.16E-03	pCi/m3	U
2115	600159006	9/6/2022	Actinium-228	3.73E-04	1.13E-03	4.12E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	600160006	10/4/2022	Actinium-228	-1.39E-03	1.74E-03	5.59E-03	pCi/m3	U
2115	606088006	10/31/2022	Actinium-228	1.64E-03	7.91E-04	3.26E-03	pCi/m3	U
2115	606540006	11/28/2022	Actinium-228	-5.16E-04	1.31E-03	4.22E-03	pCi/m3	U
2115	609503006	12/27/2022	Actinium-228	-1.07E-04	1.20E-03	4.14E-03	pCi/m3	U
2115	571519005	1/24/2022	Americium-241	2.01E-04	8.79E-04	2.98E-03	pCi/m3	U
2115	575119005	2/22/2022	Americium-241	4.03E-04	6.31E-04	2.18E-03	pCi/m3	U
2115	580222005	3/21/2022	Americium-241	-1.41E-04	4.32E-04	1.26E-03	pCi/m3	U
2115	582716005	4/18/2022	Americium-241	4.54E-04	5.22E-04	1.82E-03	pCi/m3	U
2115	585173005	5/17/2022	Americium-241	-7.84E-04	6.56E-04	2.06E-03	pCi/m3	U
2115	587312006	6/13/2022	Americium-241	4.77E-04	7.23E-04	2.47E-03	pCi/m3	U
2115	592755005	7/11/2022	Americium-241	2.30E-04	8.96E-04	2.93E-03	pCi/m3	U
2115	594667005	8/8/2022	Americium-241	1.11E-03	8.48E-04	2.92E-03	pCi/m3	U
2115	600159006	9/6/2022	Americium-241	-1.47E-04	1.09E-03	3.51E-03	pCi/m3	U
2115	600160006	10/4/2022	Americium-241	-1.32E-03	1.02E-03	3.08E-03	pCi/m3	U
2115	606088006	10/31/2022	Americium-241	-2.19E-05	2.67E-04	8.72E-04	pCi/m3	U
2115	606540006	11/28/2022	Americium-241	9.86E-04	8.65E-04	2.81E-03	pCi/m3	U
2115	609503006	12/27/2022	Americium-241	-1.03E-03	4.89E-04	1.26E-03	pCi/m3	U
2115	571519005	1/24/2022	Antimony-124	3.35E-04	7.53E-04	2.70E-03	pCi/m3	U
2115	575119005	2/22/2022	Antimony-124	-1.04E-03	1.67E-03	4.74E-03	pCi/m3	U
2115	580222005	3/21/2022	Antimony-124	3.26E-04	7.36E-04	2.63E-03	pCi/m3	U
2115	582716005	4/18/2022	Antimony-124	-1.31E-03	7.98E-04	1.50E-03	pCi/m3	U
2115	585173005	5/17/2022	Antimony-124	-6.36E-04	9.68E-04	2.83E-03	pCi/m3	U
2115	587312006	6/13/2022	Antimony-124	2.64E-04	6.21E-04	2.22E-03	pCi/m3	U
2115	592755005	7/11/2022	Antimony-124	-1.54E-03	1.39E-03	3.74E-03	pCi/m3	U
2115	594667005	8/8/2022	Antimony-124	1.30E-03	8.55E-04	3.62E-03	pCi/m3	U
2115	600159006	9/6/2022	Antimony-124	1.09E-03	1.06E-03	4.10E-03	pCi/m3	U
2115	600160006	10/4/2022	Antimony-124	1.51E-04	8.30E-04	2.83E-03	pCi/m3	U
2115	606088006	10/31/2022	Antimony-124	1.49E-03	1.74E-03	6.39E-03	pCi/m3	U
2115	606540006	11/28/2022	Antimony-124	1.14E-03	1.04E-03	3.91E-03	pCi/m3	U
2115	609503006	12/27/2022	Antimony-124	2.95E-05	7.26E-04	2.35E-03	pCi/m3	U
2115	571519005	1/24/2022	Antimony-125	3.90E-04	5.97E-04	2.06E-03	pCi/m3	U
2115	575119005	2/22/2022	Antimony-125	7.38E-04	1.04E-03	3.67E-03	pCi/m3	U
2115	580222005	3/21/2022	Antimony-125	-9.91E-05	4.21E-04	1.35E-03	pCi/m3	U
2115	582716005	4/18/2022	Antimony-125	-1.04E-04	4.81E-04	1.42E-03	pCi/m3	U
2115	585173005	5/17/2022	Antimony-125	2.02E-03	1.87E-03	1.75E-03	pCi/m3	UI
2115	587312006	6/13/2022	Antimony-125	4.41E-04	4.57E-04	1.64E-03	pCi/m3	U
2115	592755005	7/11/2022	Antimony-125	1.11E-04	4.85E-04	1.60E-03	pCi/m3	U
2115	594667005	8/8/2022	Antimony-125	-6.80E-04	4.82E-04	1.45E-03	pCi/m3	U
2115	600159006	9/6/2022	Antimony-125	9.60E-06	6.14E-04	2.03E-03	pCi/m3	U
2115	600160006	10/4/2022	Antimony-125	2.36E-03	1.66E-03	3.28E-03	pCi/m3	U
2115	606088006	10/31/2022	Antimony-125	1.72E-03	7.73E-04	1.99E-03	pCi/m3	U
2115	606540006	11/28/2022	Antimony-125	3.87E-04	5.91E-04	2.06E-03	pCi/m3	U
2115	609503006	12/27/2022	Antimony-125	-1.15E-04	4.63E-04	1.51E-03	pCi/m3	U
2115	571519005	1/24/2022	Barium-140	7.03E-03	6.70E-03	2.34E-02	pCi/m3	U
2115	575119005	2/22/2022	Barium-140	-2.16E-03	1.21E-02	3.92E-02	pCi/m3	U
2115	580222005	3/21/2022	Barium-140	2.62E-02	1.34E-02	4.90E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	582716005	4/18/2022	Barium-140	5.15E-05	1.54E-02	5.12E-02	pCi/m3	U
2115	585173005	5/17/2022	Barium-140	1.26E-02	1.24E-02	4.40E-02	pCi/m3	U
2115	587312006	6/13/2022	Barium-140	7.72E-03	7.88E-03	2.80E-02	pCi/m3	U
2115	592755005	7/11/2022	Barium-140	4.83E-02	3.50E-02	1.20E-01	pCi/m3	U
2115	594667005	8/8/2022	Barium-140	1.07E-02	9.03E-03	3.39E-02	pCi/m3	U
2115	600159006	9/6/2022	Barium-140	-1.51E-02	2.58E-02	7.68E-02	pCi/m3	U
2115	600160006	10/4/2022	Barium-140	-8.13E-03	8.98E-03	2.66E-02	pCi/m3	U
2115	606088006	10/31/2022	Barium-140	2.89E-02	3.73E-02	1.30E-01	pCi/m3	U
2115	606540006	11/28/2022	Barium-140	1.00E-02	8.54E-03	3.05E-02	pCi/m3	U
2115	609503006	12/27/2022	Barium-140	8.56E-04	7.52E-03	2.23E-02	pCi/m3	U
2115	571519005	1/24/2022	Beryllium-7	9.88E-02	8.97E-03	9.80E-03	pCi/m3	
2115	575119005	2/22/2022	Beryllium-7	1.24E-01	1.58E-02	1.81E-02	pCi/m3	
2115	580222005	3/21/2022	Beryllium-7	1.12E-01	7.81E-03	8.43E-03	pCi/m3	
2115	582716005	4/18/2022	Beryllium-7	1.57E-01	1.09E-02	8.28E-03	pCi/m3	
2115	585173005	5/17/2022	Beryllium-7	1.48E-01	1.04E-02	1.03E-02	pCi/m3	
2115	587312006	6/13/2022	Beryllium-7	1.24E-01	9.41E-03	1.01E-02	pCi/m3	
2115	592755005	7/11/2022	Beryllium-7	1.15E-01	1.06E-02	1.08E-02	pCi/m3	
2115	594667005	8/8/2022	Beryllium-7	1.21E-01	9.73E-03	1.01E-02	pCi/m3	
2115	600159006	9/6/2022	Beryllium-7	1.13E-01	1.06E-02	1.03E-02	pCi/m3	
2115	600160006	10/4/2022	Beryllium-7	1.33E-01	9.86E-03	1.09E-02	pCi/m3	
2115	606088006	10/31/2022	Beryllium-7	1.59E-01	1.47E-02	1.54E-02	pCi/m3	
2115	606540006	11/28/2022	Beryllium-7	1.17E-01	8.80E-03	8.46E-03	pCi/m3	
2115	609503006	12/27/2022	Beryllium-7	9.43E-02	8.15E-03	9.67E-03	pCi/m3	
2115	566166009	1/4/2022	BETA	2.30E-02	1.36E-03	1.46E-03	pCi/m3	
2115	566829001	1/10/2022	BETA	4.67E-02	2.23E-03	1.88E-03	pCi/m3	
2115	567639011	1/19/2022	BETA	5.21E-02	1.89E-03	1.28E-03	pCi/m3	
2115	568220009	1/24/2022	BETA	4.20E-02	2.36E-03	2.42E-03	pCi/m3	
2115	568941003	1/31/2022	BETA	5.41E-02	2.26E-03	1.79E-03	pCi/m3	
2115	569535009	2/7/2022	BETA	4.12E-02	1.93E-03	1.58E-03	pCi/m3	
2115	570265017	2/14/2022	BETA	4.38E-02	2.01E-03	1.60E-03	pCi/m3	
2115	571000009	2/22/2022	BETA	4.15E-02	1.82E-03	1.40E-03	pCi/m3	
2115	571637009	2/28/2022	BETA	2.95E-02	1.78E-03	1.88E-03	pCi/m3	
2115	572310009	3/7/2022	BETA	5.73E-02	2.22E-03	1.59E-03	pCi/m3	
2115	573044009	3/14/2022	BETA	3.06E-02	1.68E-03	1.59E-03	pCi/m3	
2115	573809009	3/21/2022	BETA	2.86E-02	1.65E-03	1.62E-03	pCi/m3	
2115	574543009	3/28/2022	BETA	2.66E-02	1.59E-03	1.72E-03	pCi/m3	
2115	575131009	4/4/2022	BETA	3.57E-02	1.79E-03	1.61E-03	pCi/m3	
2115	576092009	4/11/2022	BETA	2.84E-02	1.62E-03	1.70E-03	pCi/m3	
2115	576835011	4/18/2022	BETA	3.31E-02	1.65E-03	1.47E-03	pCi/m3	
2115	577597001	4/25/2022	BETA	4.38E-02	1.95E-03	1.49E-03	pCi/m3	
2115	578409021	5/2/2022	BETA	4.12E-02	1.83E-03	1.43E-03	pCi/m3	
2115	579262015	5/9/2022	BETA	2.64E-02	1.52E-03	1.51E-03	pCi/m3	
2115	580035009	5/17/2022	BETA	2.92E-02	1.49E-03	1.46E-03	pCi/m3	
2115	580692001	5/23/2022	BETA	4.59E-02	2.10E-03	1.87E-03	pCi/m3	
2115	581372019	5/31/2022	BETA	2.19E-02	1.14E-03	1.18E-03	pCi/m3	
2115	581946009	6/6/2022	BETA	3.28E-02	1.66E-03	1.64E-03	pCi/m3	

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	582788011	6/13/2022	BETA	2.61E-02	1.38E-03	1.46E-03	pCi/m3	
2115	583525015	6/21/2022	BETA	3.20E-02	1.37E-03	1.08E-03	pCi/m3	
2115	584134001	6/27/2022	BETA	3.80E-02	1.72E-03	1.37E-03	pCi/m3	
2115	584823003	7/5/2022	BETA	2.42E-02	1.21E-03	1.07E-03	pCi/m3	
2115	585557009	7/11/2022	BETA	2.16E-02	1.32E-03	1.36E-03	pCi/m3	
2115	586344009	7/18/2022	BETA	3.45E-02	1.53E-03	1.22E-03	pCi/m3	
2115	587147013	7/25/2022	BETA	2.68E-02	1.36E-03	1.23E-03	pCi/m3	
2115	587889009	8/2/2022	BETA	1.83E-02	1.10E-03	1.28E-03	pCi/m3	
2115	589386005	8/8/2022	BETA	4.16E-02	2.58E-03	3.12E-03	pCi/m3	
2115	589633001	8/15/2022	BETA	2.79E-02	1.36E-03	1.15E-03	pCi/m3	
2115	590523009	8/23/2022	BETA	3.85E-02	1.53E-03	1.08E-03	pCi/m3	
2115	591270009	8/29/2022	BETA	3.56E-02	1.72E-03	1.47E-03	pCi/m3	
2115	592020013	9/6/2022	BETA	2.35E-02	1.24E-03	1.24E-03	pCi/m3	
2115	592698013	9/12/2022	BETA	2.85E-02	1.60E-03	1.67E-03	pCi/m3	
2115	593605011	9/19/2022	BETA	4.31E-02	1.80E-03	1.45E-03	pCi/m3	
2115	594421013	9/26/2022	BETA	4.43E-02	1.75E-03	1.20E-03	pCi/m3	
2115	594992019	10/4/2022	BETA	2.67E-02	1.33E-03	1.25E-03	pCi/m3	
2115	596154007	10/11/2022	BETA	4.13E-02	1.74E-03	1.29E-03	pCi/m3	
2115	597078011	10/17/2022	BETA	4.59E-02	1.98E-03	1.52E-03	pCi/m3	
2115	597937013	10/24/2022	BETA	4.19E-02	1.80E-03	1.53E-03	pCi/m3	
2115	598805011	10/31/2022	BETA	2.99E-02	1.54E-03	1.53E-03	pCi/m3	
2115	599718013	11/7/2022	BETA	4.32E-02	1.82E-03	1.35E-03	pCi/m3	
2115	600677011	11/14/2022	BETA	2.99E-02	1.51E-03	1.30E-03	pCi/m3	
2115	601448001	11/21/2022	BETA	4.15E-02	1.74E-03	1.26E-03	pCi/m3	
2115	602118011	11/28/2022	BETA	4.87E-02	1.92E-03	1.37E-03	pCi/m3	
2115	602825015	12/5/2022	BETA	4.14E-02	1.81E-03	1.50E-03	pCi/m3	
2115	603752011	12/12/2022	BETA	2.67E-02	1.46E-03	1.38E-03	pCi/m3	
2115	604620015	12/19/2022	BETA	3.74E-02	1.70E-03	1.34E-03	pCi/m3	
2115	605322019	12/27/2022	BETA	4.35E-02	1.72E-03	1.20E-03	pCi/m3	
2115	571519005	1/24/2022	Bismuth-214	2.54E-03	1.09E-03	2.37E-03	pCi/m3	U
2115	575119005	2/22/2022	Bismuth-214	-3.12E-05	1.18E-03	3.74E-03	pCi/m3	U
2115	580222005	3/21/2022	Bismuth-214	1.62E-04	6.76E-04	1.30E-03	pCi/m3	U
2115	582716005	4/18/2022	Bismuth-214	-4.20E-04	6.31E-04	1.68E-03	pCi/m3	U
2115	585173005	5/17/2022	Bismuth-214	-2.27E-04	5.96E-04	1.83E-03	pCi/m3	U
2115	587312006	6/13/2022	Bismuth-214	-3.18E-04	6.26E-04	1.81E-03	pCi/m3	U
2115	592755005	7/11/2022	Bismuth-214	1.25E-03	6.33E-04	1.95E-03	pCi/m3	U
2115	594667005	8/8/2022	Bismuth-214	1.09E-03	6.99E-04	1.34E-03	pCi/m3	U
2115	600159006	9/6/2022	Bismuth-214	2.99E-04	6.40E-04	2.01E-03	pCi/m3	U
2115	600160006	10/4/2022	Bismuth-214	8.22E-04	8.56E-04	2.83E-03	pCi/m3	U
2115	606088006	10/31/2022	Bismuth-214	6.84E-04	7.91E-04	2.72E-03	pCi/m3	U
2115	606540006	11/28/2022	Bismuth-214	8.15E-04	1.08E-03	1.72E-03	pCi/m3	U
2115	609503006	12/27/2022	Bismuth-214	7.74E-04	5.67E-04	1.94E-03	pCi/m3	U
2115	571519005	1/24/2022	Cerium-141	-2.07E-03	6.72E-04	1.75E-03	pCi/m3	U
2115	575119005	2/22/2022	Cerium-141	-1.96E-03	1.06E-03	2.93E-03	pCi/m3	U
2115	580222005	3/21/2022	Cerium-141	-9.97E-04	6.69E-04	1.93E-03	pCi/m3	U
2115	582716005	4/18/2022	Cerium-141	1.49E-03	6.43E-04	2.14E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	585173005	5/17/2022	Cerium-141	-1.21E-03	7.08E-04	2.10E-03	pCi/m3	U
2115	587312006	6/13/2022	Cerium-141	-3.32E-03	7.84E-04	1.87E-03	pCi/m3	U
2115	592755005	7/11/2022	Cerium-141	5.75E-04	9.65E-04	3.02E-03	pCi/m3	U
2115	594667005	8/8/2022	Cerium-141	-3.18E-05	5.85E-04	1.91E-03	pCi/m3	U
2115	600159006	9/6/2022	Cerium-141	4.49E-06	1.09E-03	3.41E-03	pCi/m3	U
2115	600160006	10/4/2022	Cerium-141	8.55E-04	6.71E-04	2.26E-03	pCi/m3	U
2115	606088006	10/31/2022	Cerium-141	-3.90E-04	1.26E-03	3.57E-03	pCi/m3	U
2115	606540006	11/28/2022	Cerium-141	7.29E-04	5.92E-04	2.01E-03	pCi/m3	U
2115	609503006	12/27/2022	Cerium-141	2.32E-05	8.25E-04	1.79E-03	pCi/m3	U
2115	571519005	1/24/2022	Cerium-144	-1.22E-03	1.03E-03	3.07E-03	pCi/m3	U
2115	575119005	2/22/2022	Cerium-144	-2.35E-03	1.60E-03	4.81E-03	pCi/m3	U
2115	580222005	3/21/2022	Cerium-144	-4.12E-04	9.05E-04	2.77E-03	pCi/m3	U
2115	582716005	4/18/2022	Cerium-144	6.89E-05	9.14E-04	2.96E-03	pCi/m3	U
2115	585173005	5/17/2022	Cerium-144	2.25E-03	1.07E-03	3.79E-03	pCi/m3	U
2115	587312006	6/13/2022	Cerium-144	3.10E-04	1.19E-03	3.85E-03	pCi/m3	U
2115	592755005	7/11/2022	Cerium-144	-9.59E-05	1.01E-03	3.26E-03	pCi/m3	U
2115	594667005	8/8/2022	Cerium-144	-4.76E-04	9.37E-04	2.98E-03	pCi/m3	U
2115	600159006	9/6/2022	Cerium-144	-1.83E-04	1.10E-03	3.43E-03	pCi/m3	U
2115	600160006	10/4/2022	Cerium-144	-6.99E-04	1.40E-03	4.26E-03	pCi/m3	U
2115	606088006	10/31/2022	Cerium-144	1.11E-03	1.31E-03	4.05E-03	pCi/m3	U
2115	606540006	11/28/2022	Cerium-144	3.85E-04	1.08E-03	3.26E-03	pCi/m3	U
2115	609503006	12/27/2022	Cerium-144	-9.51E-04	1.03E-03	2.92E-03	pCi/m3	U
2115	571519005	1/24/2022	Cesium-134	-4.93E-04	3.22E-04	9.52E-04	pCi/m3	U
2115	575119005	2/22/2022	Cesium-134	2.02E-04	5.46E-04	1.81E-03	pCi/m3	U
2115	580222005	3/21/2022	Cesium-134	5.81E-05	2.00E-04	6.88E-04	pCi/m3	U
2115	582716005	4/18/2022	Cesium-134	3.69E-04	2.35E-04	8.77E-04	pCi/m3	U
2115	585173005	5/17/2022	Cesium-134	-8.56E-05	2.75E-04	8.64E-04	pCi/m3	U
2115	587312006	6/13/2022	Cesium-134	-3.38E-04	2.31E-04	6.15E-04	pCi/m3	U
2115	592755005	7/11/2022	Cesium-134	2.73E-04	2.59E-04	8.62E-04	pCi/m3	U
2115	594667005	8/8/2022	Cesium-134	8.00E-06	2.29E-04	7.50E-04	pCi/m3	U
2115	600159006	9/6/2022	Cesium-134	-2.72E-04	3.17E-04	9.20E-04	pCi/m3	U
2115	600160006	10/4/2022	Cesium-134	4.76E-04	3.48E-04	1.35E-03	pCi/m3	U
2115	606088006	10/31/2022	Cesium-134	-1.18E-04	2.42E-04	7.16E-04	pCi/m3	U
2115	606540006	11/28/2022	Cesium-134	1.86E-04	2.51E-04	8.70E-04	pCi/m3	U
2115	609503006	12/27/2022	Cesium-134	-3.69E-05	2.45E-04	7.64E-04	pCi/m3	U
2115	571519005	1/24/2022	Cesium-137	-1.82E-04	2.41E-04	7.04E-04	pCi/m3	U
2115	575119005	2/22/2022	Cesium-137	3.91E-04	4.70E-04	1.64E-03	pCi/m3	U
2115	580222005	3/21/2022	Cesium-137	-2.00E-04	2.27E-04	5.23E-04	pCi/m3	U
2115	582716005	4/18/2022	Cesium-137	4.92E-05	1.88E-04	6.29E-04	pCi/m3	U
2115	585173005	5/17/2022	Cesium-137	-4.82E-05	2.84E-04	8.17E-04	pCi/m3	U
2115	587312006	6/13/2022	Cesium-137	-1.29E-04	1.99E-04	6.07E-04	pCi/m3	U
2115	592755005	7/11/2022	Cesium-137	-4.00E-05	2.67E-04	8.20E-04	pCi/m3	U
2115	594667005	8/8/2022	Cesium-137	-9.27E-05	2.24E-04	6.74E-04	pCi/m3	U
2115	600159006	9/6/2022	Cesium-137	1.79E-04	2.31E-04	8.02E-04	pCi/m3	U
2115	600160006	10/4/2022	Cesium-137	-3.39E-05	3.83E-04	1.15E-03	pCi/m3	U
2115	606088006	10/31/2022	Cesium-137	-5.23E-04	2.06E-04	3.59E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	606540006	11/28/2022	Cesium-137	1.27E-04	2.35E-04	8.00E-04	pCi/m3	U
2115	609503006	12/27/2022	Cesium-137	1.10E-03	3.63E-04	6.44E-04	pCi/m3	UI
2115	571519005	1/24/2022	Chromium-51	-2.71E-03	4.18E-03	1.20E-02	pCi/m3	U
2115	575119005	2/22/2022	Chromium-51	5.64E-04	6.88E-03	2.37E-02	pCi/m3	U
2115	580222005	3/21/2022	Chromium-51	-3.55E-03	5.03E-03	1.61E-02	pCi/m3	U
2115	582716005	4/18/2022	Chromium-51	7.94E-03	4.96E-03	1.86E-02	pCi/m3	U
2115	585173005	5/17/2022	Chromium-51	2.11E-03	5.83E-03	1.85E-02	pCi/m3	U
2115	587312006	6/13/2022	Chromium-51	4.46E-03	4.01E-03	1.45E-02	pCi/m3	U
2115	592755005	7/11/2022	Chromium-51	-1.02E-03	7.97E-03	2.62E-02	pCi/m3	U
2115	594667005	8/8/2022	Chromium-51	1.17E-03	5.14E-03	1.64E-02	pCi/m3	U
2115	600159006	9/6/2022	Chromium-51	5.79E-03	7.67E-03	2.69E-02	pCi/m3	U
2115	600160006	10/4/2022	Chromium-51	7.80E-04	5.33E-03	1.80E-02	pCi/m3	U
2115	606088006	10/31/2022	Chromium-51	-1.74E-03	1.16E-02	3.67E-02	pCi/m3	U
2115	606540006	11/28/2022	Chromium-51	3.38E-03	4.93E-03	1.73E-02	pCi/m3	U
2115	609503006	12/27/2022	Chromium-51	-5.27E-03	3.98E-03	1.24E-02	pCi/m3	U
2115	571519005	1/24/2022	Cobalt-57	1.58E-04	1.38E-04	4.74E-04	pCi/m3	U
2115	575119005	2/22/2022	Cobalt-57	-1.01E-04	2.13E-04	6.86E-04	pCi/m3	U
2115	580222005	3/21/2022	Cobalt-57	-8.64E-05	1.10E-04	3.30E-04	pCi/m3	U
2115	582716005	4/18/2022	Cobalt-57	3.60E-04	2.29E-04	3.88E-04	pCi/m3	U
2115	585173005	5/17/2022	Cobalt-57	-1.36E-04	1.39E-04	4.29E-04	pCi/m3	U
2115	587312006	6/13/2022	Cobalt-57	8.80E-05	1.31E-04	4.36E-04	pCi/m3	U
2115	592755005	7/11/2022	Cobalt-57	2.78E-04	1.21E-04	4.49E-04	pCi/m3	U
2115	594667005	8/8/2022	Cobalt-57	2.79E-04	2.12E-04	4.25E-04	pCi/m3	U
2115	600159006	9/6/2022	Cobalt-57	9.05E-05	1.39E-04	4.58E-04	pCi/m3	U
2115	600160006	10/4/2022	Cobalt-57	9.96E-06	1.94E-04	6.16E-04	pCi/m3	U
2115	606088006	10/31/2022	Cobalt-57	-1.45E-04	1.57E-04	4.73E-04	pCi/m3	U
2115	606540006	11/28/2022	Cobalt-57	1.59E-05	1.55E-04	4.99E-04	pCi/m3	U
2115	609503006	12/27/2022	Cobalt-57	-5.47E-05	1.16E-04	3.65E-04	pCi/m3	U
2115	571519005	1/24/2022	Cobalt-58	-1.67E-04	2.77E-04	8.69E-04	pCi/m3	U
2115	575119005	2/22/2022	Cobalt-58	2.46E-04	5.24E-04	1.78E-03	pCi/m3	U
2115	580222005	3/21/2022	Cobalt-58	3.87E-04	3.14E-04	1.15E-03	pCi/m3	U
2115	582716005	4/18/2022	Cobalt-58	-5.95E-06	2.72E-04	8.74E-04	pCi/m3	U
2115	585173005	5/17/2022	Cobalt-58	-4.87E-04	4.72E-04	1.19E-03	pCi/m3	U
2115	587312006	6/13/2022	Cobalt-58	-8.06E-04	3.35E-04	7.78E-04	pCi/m3	U
2115	592755005	7/11/2022	Cobalt-58	-5.06E-04	3.06E-04	6.96E-04	pCi/m3	U
2115	594667005	8/8/2022	Cobalt-58	-3.33E-05	2.91E-04	9.35E-04	pCi/m3	U
2115	600159006	9/6/2022	Cobalt-58	-5.47E-04	4.70E-04	1.30E-03	pCi/m3	U
2115	600160006	10/4/2022	Cobalt-58	3.88E-04	4.81E-04	1.46E-03	pCi/m3	U
2115	606088006	10/31/2022	Cobalt-58	1.13E-04	4.26E-04	1.42E-03	pCi/m3	U
2115	606540006	11/28/2022	Cobalt-58	1.11E-04	3.73E-04	1.23E-03	pCi/m3	U
2115	609503006	12/27/2022	Cobalt-58	7.31E-04	3.40E-04	7.49E-04	pCi/m3	U
2115	571519005	1/24/2022	Cobalt-60	4.55E-05	2.33E-04	7.76E-04	pCi/m3	U
2115	575119005	2/22/2022	Cobalt-60	-6.31E-04	6.33E-04	1.94E-03	pCi/m3	U
2115	580222005	3/21/2022	Cobalt-60	2.28E-04	1.99E-04	7.32E-04	pCi/m3	U
2115	582716005	4/18/2022	Cobalt-60	6.11E-05	2.40E-04	8.29E-04	pCi/m3	U
2115	585173005	5/17/2022	Cobalt-60	2.91E-04	2.28E-04	8.87E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	587312006	6/13/2022	Cobalt-60	1.25E-04	2.37E-04	8.46E-04	pCi/m3	U
2115	592755005	7/11/2022	Cobalt-60	1.98E-04	2.60E-04	9.45E-04	pCi/m3	U
2115	594667005	8/8/2022	Cobalt-60	1.27E-04	2.96E-04	1.05E-03	pCi/m3	U
2115	600159006	9/6/2022	Cobalt-60	5.65E-04	2.33E-04	1.03E-03	pCi/m3	U
2115	600160006	10/4/2022	Cobalt-60	-1.81E-04	5.18E-04	1.38E-03	pCi/m3	U
2115	606088006	10/31/2022	Cobalt-60	3.76E-04	2.29E-04	9.81E-04	pCi/m3	U
2115	606540006	11/28/2022	Cobalt-60	3.27E-04	2.85E-04	1.07E-03	pCi/m3	U
2115	609503006	12/27/2022	Cobalt-60	3.79E-04	2.82E-04	1.06E-03	pCi/m3	U
2115	571519005	1/24/2022	Iron-59	9.38E-04	7.40E-04	2.70E-03	pCi/m3	U
2115	575119005	2/22/2022	Iron-59	9.30E-04	1.73E-03	6.11E-03	pCi/m3	U
2115	580222005	3/21/2022	Iron-59	1.41E-03	7.93E-04	3.06E-03	pCi/m3	U
2115	582716005	4/18/2022	Iron-59	-9.80E-04	7.73E-04	2.13E-03	pCi/m3	U
2115	585173005	5/17/2022	Iron-59	4.35E-04	6.89E-04	2.53E-03	pCi/m3	U
2115	587312006	6/13/2022	Iron-59	1.24E-03	7.33E-04	2.89E-03	pCi/m3	U
2115	592755005	7/11/2022	Iron-59	1.27E-03	1.39E-03	5.10E-03	pCi/m3	U
2115	594667005	8/8/2022	Iron-59	1.16E-03	7.78E-04	3.08E-03	pCi/m3	U
2115	600159006	9/6/2022	Iron-59	-1.95E-03	1.34E-03	2.81E-03	pCi/m3	U
2115	600160006	10/4/2022	Iron-59	3.18E-04	1.17E-03	4.05E-03	pCi/m3	U
2115	606088006	10/31/2022	Iron-59	-2.07E-04	1.10E-03	3.59E-03	pCi/m3	U
2115	606540006	11/28/2022	Iron-59	8.50E-04	9.63E-04	3.23E-03	pCi/m3	U
2115	609503006	12/27/2022	Iron-59	-1.01E-03	8.19E-04	2.33E-03	pCi/m3	U
2115	571519005	1/24/2022	Lanthanum-140	-1.07E-03	2.56E-03	8.08E-03	pCi/m3	U
2115	575119005	2/22/2022	Lanthanum-140	-1.17E-03	4.40E-03	1.36E-02	pCi/m3	U
2115	580222005	3/21/2022	Lanthanum-140	-9.67E-03	7.63E-03	1.82E-02	pCi/m3	U
2115	582716005	4/18/2022	Lanthanum-140	-3.20E-03	4.93E-03	1.40E-02	pCi/m3	U
2115	585173005	5/17/2022	Lanthanum-140	5.32E-04	5.97E-03	1.99E-02	pCi/m3	U
2115	587312006	6/13/2022	Lanthanum-140	-6.51E-04	3.30E-03	1.06E-02	pCi/m3	U
2115	592755005	7/11/2022	Lanthanum-140	9.35E-03	1.42E-02	5.21E-02	pCi/m3	U
2115	594667005	8/8/2022	Lanthanum-140	8.60E-05	3.09E-03	1.03E-02	pCi/m3	U
2115	600159006	9/6/2022	Lanthanum-140	7.03E-03	1.05E-02	3.78E-02	pCi/m3	U
2115	600160006	10/4/2022	Lanthanum-140	-6.94E-04	3.59E-03	1.12E-02	pCi/m3	U
2115	606088006	10/31/2022	Lanthanum-140	-2.95E-03	1.18E-02	3.69E-02	pCi/m3	U
2115	606540006	11/28/2022	Lanthanum-140	4.73E-04	3.13E-03	1.05E-02	pCi/m3	U
2115	609503006	12/27/2022	Lanthanum-140	-2.15E-04	2.12E-03	6.67E-03	pCi/m3	U
2115	571519005	1/24/2022	Lead-210	2.72E-02	3.58E-02	7.80E-02	pCi/m3	U
2115	575119005	2/22/2022	Lead-210	2.66E-02	5.60E-03	2.11E-02	pCi/m3	UI
2115	580222005	3/21/2022	Lead-210	2.65E-03	1.70E-02	2.64E-02	pCi/m3	U
2115	582716005	4/18/2022	Lead-210	1.03E-01	2.97E-02	3.79E-02	pCi/m3	UI
2115	585173005	5/17/2022	Lead-210	4.96E-02	2.95E-02	5.20E-02	pCi/m3	U
2115	587312006	6/13/2022	Lead-210	8.09E-02	3.75E-02	6.38E-02	pCi/m3	UI
2115	592755005	7/11/2022	Lead-210	4.07E-02	4.24E-02	1.56E-01	pCi/m3	U
2115	594667005	8/8/2022	Lead-210	-4.03E-03	3.84E-02	1.19E-01	pCi/m3	U
2115	600159006	9/6/2022	Lead-210	9.67E-02	3.82E-02	1.41E-01	pCi/m3	U
2115	600160006	10/4/2022	Lead-210	6.30E-02	5.50E-02	8.98E-02	pCi/m3	U
2115	606088006	10/31/2022	Lead-210	1.96E-02	6.52E-03	7.49E-03	pCi/m3	U
2115	606540006	11/28/2022	Lead-210	4.31E-02	3.83E-02	7.29E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	609503006	12/27/2022	Lead-210	4.56E-03	1.47E-02	2.48E-02	pCi/m3	U
2115	571519005	1/24/2022	Lead-212	1.55E-03	4.47E-04	1.67E-03	pCi/m3	U
2115	575119005	2/22/2022	Lead-212	1.99E-04	9.58E-04	2.42E-03	pCi/m3	U
2115	580222005	3/21/2022	Lead-212	8.35E-04	4.28E-04	7.58E-04	pCi/m3	UI
2115	582716005	4/18/2022	Lead-212	5.34E-04	3.37E-04	1.16E-03	pCi/m3	U
2115	585173005	5/17/2022	Lead-212	6.16E-04	5.50E-04	1.41E-03	pCi/m3	U
2115	587312006	6/13/2022	Lead-212	8.72E-04	5.32E-04	1.49E-03	pCi/m3	U
2115	592755005	7/11/2022	Lead-212	2.12E-04	5.49E-04	1.20E-03	pCi/m3	U
2115	594667005	8/8/2022	Lead-212	3.57E-04	4.84E-04	1.34E-03	pCi/m3	U
2115	600159006	9/6/2022	Lead-212	2.10E-03	7.09E-04	1.49E-03	pCi/m3	UI
2115	600160006	10/4/2022	Lead-212	6.08E-04	8.05E-04	1.99E-03	pCi/m3	U
2115	606088006	10/31/2022	Lead-212	1.08E-03	6.79E-04	1.08E-03	pCi/m3	U
2115	606540006	11/28/2022	Lead-212	1.74E-04	6.32E-04	1.52E-03	pCi/m3	U
2115	609503006	12/27/2022	Lead-212	9.42E-04	5.56E-04	9.85E-04	pCi/m3	U
2115	571519005	1/24/2022	Lead-214	1.03E-03	8.04E-04	2.03E-03	pCi/m3	U
2115	575119005	2/22/2022	Lead-214	6.22E-05	9.39E-04	3.22E-03	pCi/m3	U
2115	580222005	3/21/2022	Lead-214	3.58E-04	6.74E-04	1.12E-03	pCi/m3	U
2115	582716005	4/18/2022	Lead-214	1.12E-03	7.18E-04	1.58E-03	pCi/m3	U
2115	585173005	5/17/2022	Lead-214	1.03E-03	8.94E-04	1.85E-03	pCi/m3	U
2115	587312006	6/13/2022	Lead-214	4.50E-04	6.64E-04	1.65E-03	pCi/m3	U
2115	592755005	7/11/2022	Lead-214	7.23E-04	5.09E-04	1.75E-03	pCi/m3	U
2115	594667005	8/8/2022	Lead-214	1.71E-03	6.42E-04	2.01E-03	pCi/m3	U
2115	600159006	9/6/2022	Lead-214	1.19E-03	4.97E-04	1.87E-03	pCi/m3	U
2115	600160006	10/4/2022	Lead-214	2.64E-04	1.03E-03	2.77E-03	pCi/m3	U
2115	606088006	10/31/2022	Lead-214	3.69E-04	1.08E-03	2.28E-03	pCi/m3	U
2115	606540006	11/28/2022	Lead-214	-3.08E-04	5.63E-04	1.79E-03	pCi/m3	U
2115	609503006	12/27/2022	Lead-214	6.20E-05	5.10E-04	1.59E-03	pCi/m3	U
2115	571519005	1/24/2022	Manganese-54	-1.77E-04	2.85E-04	7.73E-04	pCi/m3	U
2115	575119005	2/22/2022	Manganese-54	-3.73E-04	4.51E-04	1.30E-03	pCi/m3	U
2115	580222005	3/21/2022	Manganese-54	-9.99E-05	1.96E-04	5.42E-04	pCi/m3	U
2115	582716005	4/18/2022	Manganese-54	5.64E-04	2.79E-04	5.35E-04	pCi/m3	UI
2115	585173005	5/17/2022	Manganese-54	1.35E-04	2.77E-04	9.29E-04	pCi/m3	U
2115	587312006	6/13/2022	Manganese-54	1.69E-04	2.59E-04	8.82E-04	pCi/m3	U
2115	592755005	7/11/2022	Manganese-54	2.24E-04	2.96E-04	1.03E-03	pCi/m3	U
2115	594667005	8/8/2022	Manganese-54	-2.55E-04	2.32E-04	6.47E-04	pCi/m3	U
2115	600159006	9/6/2022	Manganese-54	-2.09E-04	3.09E-04	7.79E-04	pCi/m3	U
2115	600160006	10/4/2022	Manganese-54	-3.99E-04	3.37E-04	9.55E-04	pCi/m3	U
2115	606088006	10/31/2022	Manganese-54	4.32E-05	3.99E-04	1.11E-03	pCi/m3	U
2115	606540006	11/28/2022	Manganese-54	-2.57E-04	2.61E-04	6.90E-04	pCi/m3	U
2115	609503006	12/27/2022	Manganese-54	-1.37E-04	2.33E-04	7.50E-04	pCi/m3	U
2115	571519005	1/24/2022	Molybdenum-99	-2.52E+01	2.69E+01	0.00E+00	pCi/m3	U
2115	575119005	2/22/2022	Molybdenum-99	1.05E+02	1.23E+02	0.00E+00	pCi/m3	UI
2115	580222005	3/21/2022	Molybdenum-99	-4.72E+03	3.59E+03	0.00E+00	pCi/m3	U
2115	582716005	4/18/2022	Molybdenum-99	-1.70E+03	4.31E+03	0.00E+00	pCi/m3	U
2115	585173005	5/17/2022	Molybdenum-99	-3.80E+02	8.57E+02	0.00E+00	pCi/m3	U
2115	587312006	6/13/2022	Molybdenum-99	1.26E+02	1.09E+02	0.00E+00	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	592755005	7/11/2022	Molybdenum-99	-1.06E+05	1.06E+05	0.00E+00	pCi/m3	U
2115	594667005	8/8/2022	Molybdenum-99	-1.44E+02	6.52E+02	0.00E+00	pCi/m3	U
2115	600159006	9/6/2022	Molybdenum-99	-2.94E+04	2.42E+04	0.00E+00	pCi/m3	U
2115	600160006	10/4/2022	Molybdenum-99	3.65E+00	2.48E+01	0.00E+00	pCi/m3	UI
2115	606088006	10/31/2022	Molybdenum-99	-9.78E+04	4.44E+04	0.00E+00	pCi/m3	U
2115	606540006	11/28/2022	Molybdenum-99	-3.70E+00	1.19E+02	0.00E+00	pCi/m3	U
2115	609503006	12/27/2022	Molybdenum-99	-2.49E+01	8.97E+01	0.00E+00	pCi/m3	U
2115	571519005	1/24/2022	Niobium-95	-2.62E-04	3.73E-04	1.19E-03	pCi/m3	U
2115	575119005	2/22/2022	Niobium-95	1.28E-03	7.62E-04	2.78E-03	pCi/m3	U
2115	580222005	3/21/2022	Niobium-95	1.07E-05	3.72E-04	1.08E-03	pCi/m3	U
2115	582716005	4/18/2022	Niobium-95	-6.40E-04	3.01E-04	6.80E-04	pCi/m3	U
2115	585173005	5/17/2022	Niobium-95	-3.85E-05	3.92E-04	1.12E-03	pCi/m3	U
2115	587312006	6/13/2022	Niobium-95	4.69E-05	3.94E-04	1.29E-03	pCi/m3	U
2115	592755005	7/11/2022	Niobium-95	6.67E-04	4.62E-04	1.72E-03	pCi/m3	U
2115	594667005	8/8/2022	Niobium-95	4.90E-04	3.30E-04	1.26E-03	pCi/m3	U
2115	600159006	9/6/2022	Niobium-95	-3.50E-04	5.02E-04	1.49E-03	pCi/m3	U
2115	600160006	10/4/2022	Niobium-95	5.33E-04	6.76E-04	1.51E-03	pCi/m3	U
2115	606088006	10/31/2022	Niobium-95	-3.75E-04	5.16E-04	1.51E-03	pCi/m3	U
2115	606540006	11/28/2022	Niobium-95	2.60E-04	4.00E-04	1.36E-03	pCi/m3	U
2115	609503006	12/27/2022	Niobium-95	2.37E-04	3.19E-04	1.09E-03	pCi/m3	U
2115	571519005	1/24/2022	Potassium-40	5.44E-03	4.42E-03	1.64E-02	pCi/m3	U
2115	575119005	2/22/2022	Potassium-40	2.38E-03	1.04E-02	1.65E-02	pCi/m3	U
2115	580222005	3/21/2022	Potassium-40	4.28E-03	3.69E-03	1.23E-02	pCi/m3	U
2115	582716005	4/18/2022	Potassium-40	6.56E-03	4.81E-03	6.64E-03	pCi/m3	U
2115	585173005	5/17/2022	Potassium-40	2.98E-03	5.63E-03	9.21E-03	pCi/m3	U
2115	587312006	6/13/2022	Potassium-40	2.63E-03	5.56E-03	9.60E-03	pCi/m3	U
2115	592755005	7/11/2022	Potassium-40	1.05E-02	6.61E-03	6.91E-03	pCi/m3	UI
2115	594667005	8/8/2022	Potassium-40	3.65E-03	6.03E-03	8.85E-03	pCi/m3	U
2115	600159006	9/6/2022	Potassium-40	1.91E-03	4.14E-03	6.33E-03	pCi/m3	U
2115	600160006	10/4/2022	Potassium-40	1.74E-02	6.72E-03	8.88E-03	pCi/m3	UI
2115	606088006	10/31/2022	Potassium-40	7.93E-03	6.19E-03	1.16E-02	pCi/m3	U
2115	606540006	11/28/2022	Potassium-40	3.72E-03	4.67E-03	5.75E-03	pCi/m3	U
2115	609503006	12/27/2022	Potassium-40	2.75E-03	3.85E-03	5.49E-03	pCi/m3	U
2115	571519005	1/24/2022	Radium-226	2.54E-03	1.09E-03	2.37E-03	pCi/m3	UI
2115	575119005	2/22/2022	Radium-226	-3.12E-05	1.18E-03	3.74E-03	pCi/m3	U
2115	580222005	3/21/2022	Radium-226	1.62E-04	6.76E-04	1.30E-03	pCi/m3	U
2115	582716005	4/18/2022	Radium-226	-4.20E-04	6.31E-04	1.68E-03	pCi/m3	U
2115	585173005	5/17/2022	Radium-226	-2.27E-04	5.96E-04	1.83E-03	pCi/m3	U
2115	587312006	6/13/2022	Radium-226	-3.18E-04	6.26E-04	1.81E-03	pCi/m3	U
2115	592755005	7/11/2022	Radium-226	1.25E-03	6.33E-04	1.95E-03	pCi/m3	U
2115	594667005	8/8/2022	Radium-226	1.09E-03	6.99E-04	1.34E-03	pCi/m3	U
2115	600159006	9/6/2022	Radium-226	1.19E-03	4.97E-04	1.87E-03	pCi/m3	U
2115	600160006	10/4/2022	Radium-226	2.64E-04	1.03E-03	2.77E-03	pCi/m3	U
2115	606088006	10/31/2022	Radium-226	3.69E-04	1.08E-03	2.28E-03	pCi/m3	U
2115	606540006	11/28/2022	Radium-226	-3.08E-04	5.63E-04	1.79E-03	pCi/m3	U
2115	609503006	12/27/2022	Radium-226	6.20E-05	5.10E-04	1.59E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	571519005	1/24/2022	Radium-228	-3.09E-04	1.30E-03	4.41E-03	pCi/m3	U
2115	575119005	2/22/2022	Radium-228	-1.65E-03	2.56E-03	7.46E-03	pCi/m3	U
2115	580222005	3/21/2022	Radium-228	-5.73E-04	9.97E-04	3.00E-03	pCi/m3	U
2115	582716005	4/18/2022	Radium-228	9.23E-04	9.21E-04	3.14E-03	pCi/m3	U
2115	585173005	5/17/2022	Radium-228	5.87E-03	1.92E-03	3.75E-03	pCi/m3	UI
2115	587312006	6/13/2022	Radium-228	-8.86E-04	1.28E-03	4.30E-03	pCi/m3	U
2115	592755005	7/11/2022	Radium-228	-2.26E-03	1.06E-03	2.87E-03	pCi/m3	U
2115	594667005	8/8/2022	Radium-228	5.14E-04	9.17E-04	3.16E-03	pCi/m3	U
2115	600159006	9/6/2022	Radium-228	3.73E-04	1.13E-03	4.12E-03	pCi/m3	U
2115	600160006	10/4/2022	Radium-228	-1.39E-03	1.74E-03	5.59E-03	pCi/m3	U
2115	606088006	10/31/2022	Radium-228	1.64E-03	7.91E-04	3.26E-03	pCi/m3	U
2115	606540006	11/28/2022	Radium-228	-5.16E-04	1.31E-03	4.22E-03	pCi/m3	U
2115	609503006	12/27/2022	Radium-228	-1.07E-04	1.20E-03	4.14E-03	pCi/m3	U
2115	571519005	1/24/2022	Ruthenium-103	2.75E-05	4.05E-04	1.33E-03	pCi/m3	U
2115	575119005	2/22/2022	Ruthenium-103	-4.73E-05	6.72E-04	2.23E-03	pCi/m3	U
2115	580222005	3/21/2022	Ruthenium-103	-1.46E-05	4.23E-04	1.36E-03	pCi/m3	U
2115	582716005	4/18/2022	Ruthenium-103	1.20E-04	4.83E-04	1.64E-03	pCi/m3	U
2115	585173005	5/17/2022	Ruthenium-103	4.42E-04	4.48E-04	1.60E-03	pCi/m3	U
2115	587312006	6/13/2022	Ruthenium-103	1.23E-04	4.01E-04	1.19E-03	pCi/m3	U
2115	592755005	7/11/2022	Ruthenium-103	1.07E-04	5.77E-04	1.87E-03	pCi/m3	U
2115	594667005	8/8/2022	Ruthenium-103	-1.19E-04	4.77E-04	1.58E-03	pCi/m3	U
2115	600159006	9/6/2022	Ruthenium-103	1.47E-04	6.37E-04	2.10E-03	pCi/m3	U
2115	600160006	10/4/2022	Ruthenium-103	-1.25E-04	5.43E-04	1.73E-03	pCi/m3	U
2115	606088006	10/31/2022	Ruthenium-103	-4.88E-07	7.19E-04	2.38E-03	pCi/m3	U
2115	606540006	11/28/2022	Ruthenium-103	4.71E-04	3.93E-04	1.42E-03	pCi/m3	U
2115	609503006	12/27/2022	Ruthenium-103	-8.89E-07	3.88E-04	1.27E-03	pCi/m3	U
2115	571519005	1/24/2022	Ruthenium-106	1.14E-03	2.34E-03	7.79E-03	pCi/m3	U
2115	575119005	2/22/2022	Ruthenium-106	2.85E-03	3.99E-03	1.38E-02	pCi/m3	U
2115	580222005	3/21/2022	Ruthenium-106	1.45E-03	1.62E-03	5.52E-03	pCi/m3	U
2115	582716005	4/18/2022	Ruthenium-106	-9.50E-04	2.07E-03	6.54E-03	pCi/m3	U
2115	585173005	5/17/2022	Ruthenium-106	1.26E-03	2.11E-03	7.26E-03	pCi/m3	U
2115	587312006	6/13/2022	Ruthenium-106	-1.94E-04	2.12E-03	6.15E-03	pCi/m3	U
2115	592755005	7/11/2022	Ruthenium-106	2.19E-03	1.94E-03	7.14E-03	pCi/m3	U
2115	594667005	8/8/2022	Ruthenium-106	-2.53E-03	2.18E-03	6.48E-03	pCi/m3	U
2115	600159006	9/6/2022	Ruthenium-106	0.00E+00	2.01E-03	6.50E-03	pCi/m3	U
2115	600160006	10/4/2022	Ruthenium-106	2.33E-03	3.01E-03	1.05E-02	pCi/m3	U
2115	606088006	10/31/2022	Ruthenium-106	-3.58E-03	2.75E-03	7.81E-03	pCi/m3	U
2115	606540006	11/28/2022	Ruthenium-106	3.96E-04	1.97E-03	6.54E-03	pCi/m3	U
2115	609503006	12/27/2022	Ruthenium-106	-5.60E-04	2.23E-03	7.08E-03	pCi/m3	U
2115	571519005	1/24/2022	Selenium-75	2.38E-04	3.14E-04	1.11E-03	pCi/m3	U
2115	575119005	2/22/2022	Selenium-75	-3.59E-04	4.85E-04	1.44E-03	pCi/m3	U
2115	580222005	3/21/2022	Selenium-75	2.31E-04	2.47E-04	8.64E-04	pCi/m3	U
2115	582716005	4/18/2022	Selenium-75	7.66E-05	2.69E-04	8.54E-04	pCi/m3	U
2115	585173005	5/17/2022	Selenium-75	-2.05E-05	3.28E-04	1.02E-03	pCi/m3	U
2115	587312006	6/13/2022	Selenium-75	-9.11E-05	2.89E-04	9.79E-04	pCi/m3	U
2115	592755005	7/11/2022	Selenium-75	-5.52E-04	3.08E-04	9.23E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	594667005	8/8/2022	Selenium-75	-1.32E-04	2.86E-04	8.72E-04	pCi/m3	U
2115	600159006	9/6/2022	Selenium-75	-1.43E-04	3.73E-04	1.10E-03	pCi/m3	U
2115	600160006	10/4/2022	Selenium-75	-5.43E-04	4.18E-04	1.31E-03	pCi/m3	U
2115	606088006	10/31/2022	Selenium-75	-3.10E-05	3.53E-04	1.20E-03	pCi/m3	U
2115	606540006	11/28/2022	Selenium-75	3.01E-04	3.32E-04	1.18E-03	pCi/m3	U
2115	609503006	12/27/2022	Selenium-75	3.87E-04	2.64E-04	9.69E-04	pCi/m3	U
2115	571519005	1/24/2022	Silver-108m	1.92E-05	1.98E-04	6.57E-04	pCi/m3	U
2115	575119005	2/22/2022	Silver-108m	-2.07E-04	3.00E-04	9.56E-04	pCi/m3	U
2115	580222005	3/21/2022	Silver-108m	-8.19E-05	1.28E-04	3.97E-04	pCi/m3	U
2115	582716005	4/18/2022	Silver-108m	-1.78E-04	1.30E-04	3.21E-04	pCi/m3	U
2115	585173005	5/17/2022	Silver-108m	-8.29E-05	2.62E-04	7.45E-04	pCi/m3	U
2115	587312006	6/13/2022	Silver-108m	2.89E-04	1.69E-04	6.26E-04	pCi/m3	U
2115	592755005	7/11/2022	Silver-108m	3.91E-05	1.69E-04	5.55E-04	pCi/m3	U
2115	594667005	8/8/2022	Silver-108m	-1.63E-05	1.45E-04	4.88E-04	pCi/m3	U
2115	600159006	9/6/2022	Silver-108m	6.76E-05	1.85E-04	6.29E-04	pCi/m3	U
2115	600160006	10/4/2022	Silver-108m	-5.69E-05	3.07E-04	8.85E-04	pCi/m3	U
2115	606088006	10/31/2022	Silver-108m	6.55E-04	2.38E-04	7.53E-04	pCi/m3	U
2115	606540006	11/28/2022	Silver-108m	9.40E-05	1.83E-04	6.31E-04	pCi/m3	U
2115	609503006	12/27/2022	Silver-108m	9.48E-05	1.64E-04	5.66E-04	pCi/m3	U
2115	571519005	1/24/2022	Silver-110m	-9.55E-05	3.65E-04	1.19E-03	pCi/m3	U
2115	575119005	2/22/2022	Silver-110m	-7.71E-04	8.15E-04	2.34E-03	pCi/m3	U
2115	580222005	3/21/2022	Silver-110m	3.13E-04	3.11E-04	1.11E-03	pCi/m3	U
2115	582716005	4/18/2022	Silver-110m	-5.87E-04	2.99E-04	6.82E-04	pCi/m3	U
2115	585173005	5/17/2022	Silver-110m	-1.30E-04	3.79E-04	1.17E-03	pCi/m3	U
2115	587312006	6/13/2022	Silver-110m	1.31E-04	2.87E-04	9.71E-04	pCi/m3	U
2115	592755005	7/11/2022	Silver-110m	4.79E-05	3.76E-04	1.23E-03	pCi/m3	U
2115	594667005	8/8/2022	Silver-110m	-3.97E-04	3.73E-04	1.05E-03	pCi/m3	U
2115	600159006	9/6/2022	Silver-110m	-9.57E-05	3.77E-04	1.25E-03	pCi/m3	U
2115	600160006	10/4/2022	Silver-110m	7.12E-05	4.17E-04	1.44E-03	pCi/m3	U
2115	606088006	10/31/2022	Silver-110m	-2.30E-05	4.90E-04	1.38E-03	pCi/m3	U
2115	606540006	11/28/2022	Silver-110m	3.60E-05	3.59E-04	1.16E-03	pCi/m3	U
2115	609503006	12/27/2022	Silver-110m	4.48E-04	3.53E-04	1.23E-03	pCi/m3	U
2115	571519005	1/24/2022	Tellurium-132	-2.79E-01	6.22E-01	0.00E+00	pCi/m3	U
2115	575119005	2/22/2022	Tellurium-132	-1.67E+00	2.12E+00	0.00E+00	pCi/m3	U
2115	580222005	3/21/2022	Tellurium-132	4.92E+01	4.11E+01	0.00E+00	pCi/m3	UI
2115	582716005	4/18/2022	Tellurium-132	-1.02E+01	4.67E+01	0.00E+00	pCi/m3	U
2115	585173005	5/17/2022	Tellurium-132	-2.22E+00	9.57E+00	0.00E+00	pCi/m3	U
2115	587312006	6/13/2022	Tellurium-132	4.49E+00	2.64E+00	0.00E+00	pCi/m3	UI
2115	592755005	7/11/2022	Tellurium-132	2.14E+02	8.05E+02	0.00E+00	pCi/m3	UI
2115	594667005	8/8/2022	Tellurium-132	-7.51E+00	8.96E+00	0.00E+00	pCi/m3	U
2115	600159006	9/6/2022	Tellurium-132	-2.84E+02	2.46E+02	0.00E+00	pCi/m3	U
2115	600160006	10/4/2022	Tellurium-132	6.83E-02	7.65E-01	0.00E+00	pCi/m3	UI
2115	606088006	10/31/2022	Tellurium-132	-5.51E+02	3.24E+02	0.00E+00	pCi/m3	U
2115	606540006	11/28/2022	Tellurium-132	6.89E+00	2.46E+00	0.00E+00	pCi/m3	UI
2115	609503006	12/27/2022	Tellurium-132	-1.57E-01	1.73E+00	0.00E+00	pCi/m3	U
2115	571519005	1/24/2022	Thallium-208	6.76E-04	5.32E-04	7.72E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	575119005	2/22/2022	Thallium-208	-5.37E-04	5.61E-04	1.74E-03	pCi/m3	U
2115	580222005	3/21/2022	Thallium-208	3.77E-05	2.43E-04	7.52E-04	pCi/m3	U
2115	582716005	4/18/2022	Thallium-208	3.20E-05	3.58E-04	6.35E-04	pCi/m3	U
2115	585173005	5/17/2022	Thallium-208	3.20E-04	5.36E-04	6.53E-04	pCi/m3	U
2115	587312006	6/13/2022	Thallium-208	-2.61E-04	3.03E-04	8.52E-04	pCi/m3	U
2115	592755005	7/11/2022	Thallium-208	1.76E-04	3.14E-04	8.26E-04	pCi/m3	U
2115	594667005	8/8/2022	Thallium-208	-9.02E-05	2.70E-04	8.67E-04	pCi/m3	U
2115	600159006	9/6/2022	Thallium-208	8.42E-04	4.39E-04	6.54E-04	pCi/m3	UI
2115	600160006	10/4/2022	Thallium-208	2.97E-04	7.35E-04	1.08E-03	pCi/m3	U
2115	606088006	10/31/2022	Thallium-208	-2.71E-04	3.81E-04	1.18E-03	pCi/m3	U
2115	606540006	11/28/2022	Thallium-208	2.94E-04	4.78E-04	7.56E-04	pCi/m3	U
2115	609503006	12/27/2022	Thallium-208	4.15E-04	2.85E-04	1.00E-03	pCi/m3	U
2115	571519005	1/24/2022	Thorium-228	1.55E-03	4.47E-04	1.67E-03	pCi/m3	U
2115	575119005	2/22/2022	Thorium-228	1.99E-04	9.58E-04	2.42E-03	pCi/m3	U
2115	580222005	3/21/2022	Thorium-228	8.35E-04	4.28E-04	7.58E-04	pCi/m3	UI
2115	582716005	4/18/2022	Thorium-228	5.34E-04	3.37E-04	1.16E-03	pCi/m3	U
2115	585173005	5/17/2022	Thorium-228	6.16E-04	5.50E-04	1.41E-03	pCi/m3	U
2115	587312006	6/13/2022	Thorium-228	8.72E-04	5.32E-04	1.49E-03	pCi/m3	U
2115	592755005	7/11/2022	Thorium-228	2.12E-04	5.49E-04	1.20E-03	pCi/m3	U
2115	594667005	8/8/2022	Thorium-228	3.57E-04	4.84E-04	1.34E-03	pCi/m3	U
2115	600159006	9/6/2022	Thorium-228	2.10E-03	7.09E-04	1.49E-03	pCi/m3	UI
2115	600160006	10/4/2022	Thorium-228	6.08E-04	8.05E-04	1.99E-03	pCi/m3	U
2115	606088006	10/31/2022	Thorium-228	1.08E-03	6.79E-04	1.08E-03	pCi/m3	U
2115	606540006	11/28/2022	Thorium-228	1.74E-04	6.32E-04	1.52E-03	pCi/m3	U
2115	609503006	12/27/2022	Thorium-228	9.42E-04	5.56E-04	9.85E-04	pCi/m3	U
2115	571519005	1/24/2022	Thorium-230	2.54E-03	1.09E-03	2.37E-03	pCi/m3	UI
2115	575119005	2/22/2022	Thorium-230	-3.12E-05	1.18E-03	3.74E-03	pCi/m3	U
2115	580222005	3/21/2022	Thorium-230	1.62E-04	6.76E-04	1.30E-03	pCi/m3	U
2115	582716005	4/18/2022	Thorium-230	-4.20E-04	6.31E-04	1.68E-03	pCi/m3	U
2115	585173005	5/17/2022	Thorium-230	-2.27E-04	5.96E-04	1.83E-03	pCi/m3	U
2115	587312006	6/13/2022	Thorium-230	-3.18E-04	6.26E-04	1.81E-03	pCi/m3	U
2115	592755005	7/11/2022	Thorium-230	1.25E-03	6.33E-04	1.95E-03	pCi/m3	U
2115	594667005	8/8/2022	Thorium-230	1.09E-03	6.98E-04	1.34E-03	pCi/m3	U
2115	600159006	9/6/2022	Thorium-230	1.19E-03	4.97E-04	1.87E-03	pCi/m3	U
2115	600160006	10/4/2022	Thorium-230	2.64E-04	1.03E-03	2.77E-03	pCi/m3	U
2115	606088006	10/31/2022	Thorium-230	3.69E-04	1.08E-03	2.28E-03	pCi/m3	U
2115	606540006	11/28/2022	Thorium-230	-3.08E-04	5.63E-04	1.79E-03	pCi/m3	U
2115	609503006	12/27/2022	Thorium-230	6.20E-05	5.10E-04	1.59E-03	pCi/m3	U
2115	571519005	1/24/2022	Thorium-232	-3.09E-04	1.30E-03	4.41E-03	pCi/m3	U
2115	575119005	2/22/2022	Thorium-232	-1.65E-03	2.56E-03	7.46E-03	pCi/m3	U
2115	580222005	3/21/2022	Thorium-232	-5.73E-04	9.97E-04	3.00E-03	pCi/m3	U
2115	582716005	4/18/2022	Thorium-232	9.23E-04	9.21E-04	3.14E-03	pCi/m3	U
2115	585173005	5/17/2022	Thorium-232	5.87E-03	1.92E-03	3.75E-03	pCi/m3	UI
2115	587312006	6/13/2022	Thorium-232	-8.86E-04	1.28E-03	4.30E-03	pCi/m3	U
2115	592755005	7/11/2022	Thorium-232	-2.26E-03	1.06E-03	2.87E-03	pCi/m3	U
2115	594667005	8/8/2022	Thorium-232	5.14E-04	9.17E-04	3.16E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	600159006	9/6/2022	Thorium-232	3.73E-04	1.13E-03	4.12E-03	pCi/m3	U
2115	600160006	10/4/2022	Thorium-232	-1.39E-03	1.74E-03	5.59E-03	pCi/m3	U
2115	606088006	10/31/2022	Thorium-232	1.64E-03	7.91E-04	3.26E-03	pCi/m3	U
2115	606540006	11/28/2022	Thorium-232	-5.16E-04	1.31E-03	4.22E-03	pCi/m3	U
2115	609503006	12/27/2022	Thorium-232	-1.07E-04	1.20E-03	4.14E-03	pCi/m3	U
2115	571519005	1/24/2022	Thorium-234	-9.08E-03	8.95E-03	2.86E-02	pCi/m3	U
2115	575119005	2/22/2022	Thorium-234	-7.80E-03	8.53E-03	2.58E-02	pCi/m3	U
2115	580222005	3/21/2022	Thorium-234	4.10E-03	6.54E-03	1.13E-02	pCi/m3	U
2115	582716005	4/18/2022	Thorium-234	-5.07E-03	5.93E-03	1.86E-02	pCi/m3	U
2115	585173005	5/17/2022	Thorium-234	6.09E-03	8.97E-03	1.89E-02	pCi/m3	U
2115	587312006	6/13/2022	Thorium-234	-7.69E-03	7.55E-03	2.52E-02	pCi/m3	U
2115	592755005	7/11/2022	Thorium-234	3.03E-02	1.78E-02	3.21E-02	pCi/m3	U
2115	594667005	8/8/2022	Thorium-234	1.37E-02	1.63E-02	2.18E-02	pCi/m3	U
2115	600159006	9/6/2022	Thorium-234	-1.03E-02	1.14E-02	3.76E-02	pCi/m3	U
2115	600160006	10/4/2022	Thorium-234	-7.53E-03	9.78E-03	2.98E-02	pCi/m3	U
2115	606088006	10/31/2022	Thorium-234	4.55E-03	3.75E-03	7.48E-03	pCi/m3	U
2115	606540006	11/28/2022	Thorium-234	1.47E-02	1.29E-02	2.22E-02	pCi/m3	U
2115	609503006	12/27/2022	Thorium-234	5.45E-03	7.72E-03	1.14E-02	pCi/m3	U
2115	571519005	1/24/2022	Uranium-234	2.54E-03	1.09E-03	2.37E-03	pCi/m3	UI
2115	575119005	2/22/2022	Uranium-234	-3.12E-05	1.18E-03	3.74E-03	pCi/m3	U
2115	580222005	3/21/2022	Uranium-234	1.62E-04	6.76E-04	1.30E-03	pCi/m3	U
2115	582716005	4/18/2022	Uranium-234	-4.20E-04	6.31E-04	1.68E-03	pCi/m3	U
2115	585173005	5/17/2022	Uranium-234	-2.27E-04	5.96E-04	1.83E-03	pCi/m3	U
2115	587312006	6/13/2022	Uranium-234	-3.18E-04	6.26E-04	1.81E-03	pCi/m3	U
2115	592755005	7/11/2022	Uranium-234	1.25E-03	6.33E-04	1.95E-03	pCi/m3	U
2115	594667005	8/8/2022	Uranium-234	1.09E-03	6.98E-04	1.34E-03	pCi/m3	U
2115	600159006	9/6/2022	Uranium-234	1.19E-03	4.97E-04	1.87E-03	pCi/m3	U
2115	600160006	10/4/2022	Uranium-234	2.64E-04	1.03E-03	2.77E-03	pCi/m3	U
2115	606088006	10/31/2022	Uranium-234	3.69E-04	1.08E-03	2.28E-03	pCi/m3	U
2115	606540006	11/28/2022	Uranium-234	-3.08E-04	5.63E-04	1.79E-03	pCi/m3	U
2115	609503006	12/27/2022	Uranium-234	6.20E-05	5.10E-04	1.59E-03	pCi/m3	U
2115	571519005	1/24/2022	Zinc-65	-8.12E-04	5.92E-04	1.59E-03	pCi/m3	U
2115	575119005	2/22/2022	Zinc-65	4.21E-05	1.14E-03	3.83E-03	pCi/m3	U
2115	580222005	3/21/2022	Zinc-65	2.00E-05	5.21E-04	1.51E-03	pCi/m3	U
2115	582716005	4/18/2022	Zinc-65	4.95E-04	5.45E-04	2.01E-03	pCi/m3	U
2115	585173005	5/17/2022	Zinc-65	-1.17E-04	5.01E-04	1.65E-03	pCi/m3	U
2115	587312006	6/13/2022	Zinc-65	1.07E-04	4.37E-04	1.52E-03	pCi/m3	U
2115	592755005	7/11/2022	Zinc-65	-6.37E-04	7.26E-04	2.19E-03	pCi/m3	U
2115	594667005	8/8/2022	Zinc-65	-7.83E-04	7.12E-04	1.56E-03	pCi/m3	U
2115	600159006	9/6/2022	Zinc-65	3.83E-06	5.66E-04	1.89E-03	pCi/m3	U
2115	600160006	10/4/2022	Zinc-65	-3.87E-04	7.49E-04	1.89E-03	pCi/m3	U
2115	606088006	10/31/2022	Zinc-65	0.00E+00	6.96E-04	2.35E-03	pCi/m3	U
2115	606540006	11/28/2022	Zinc-65	7.53E-04	7.25E-04	2.51E-03	pCi/m3	U
2115	609503006	12/27/2022	Zinc-65	-8.33E-05	3.28E-04	8.87E-04	pCi/m3	U
2115	571519005	1/24/2022	Zirconium-95	-8.70E-05	6.23E-04	2.08E-03	pCi/m3	U
2115	575119005	2/22/2022	Zirconium-95	3.03E-03	1.22E-03	3.95E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2115	580222005	3/21/2022	Zirconium-95	-3.20E-04	5.73E-04	1.60E-03	pCi/m3	U
2115	582716005	4/18/2022	Zirconium-95	-1.02E-03	7.19E-04	2.03E-03	pCi/m3	U
2115	585173005	5/17/2022	Zirconium-95	8.75E-04	7.36E-04	2.54E-03	pCi/m3	U
2115	587312006	6/13/2022	Zirconium-95	2.67E-04	6.09E-04	2.05E-03	pCi/m3	U
2115	592755005	7/11/2022	Zirconium-95	2.97E-04	9.96E-04	3.34E-03	pCi/m3	U
2115	594667005	8/8/2022	Zirconium-95	-1.67E-03	6.87E-04	1.60E-03	pCi/m3	U
2115	600159006	9/6/2022	Zirconium-95	1.97E-05	7.99E-04	2.56E-03	pCi/m3	U
2115	600160006	10/4/2022	Zirconium-95	-1.39E-03	9.19E-04	2.32E-03	pCi/m3	U
2115	606088006	10/31/2022	Zirconium-95	2.24E-03	7.94E-04	3.41E-03	pCi/m3	U
2115	606540006	11/28/2022	Zirconium-95	-4.46E-04	6.46E-04	1.93E-03	pCi/m3	U
2115	609503006	12/27/2022	Zirconium-95	-2.12E-04	5.41E-04	1.65E-03	pCi/m3	U
2223	571519006	1/24/2022	Actinium-228	-2.74E-03	1.14E-03	3.51E-03	pCi/m3	U
2223	575119011	2/22/2022	Actinium-228	4.17E-03	1.09E-03	3.91E-03	pCi/m3	UI
2223	580222006	3/21/2022	Actinium-228	-1.16E-04	1.10E-03	3.57E-03	pCi/m3	U
2223	582716006	4/18/2022	Actinium-228	3.22E-04	1.04E-03	3.64E-03	pCi/m3	U
2223	585173006	5/16/2022	Actinium-228	2.31E-03	1.52E-03	3.54E-03	pCi/m3	U
2223	587312011	6/13/2022	Actinium-228	3.11E-03	1.37E-03	3.05E-03	pCi/m3	UI
2223	592755007	7/11/2022	Actinium-228	2.27E-03	2.00E-03	5.92E-03	pCi/m3	U
2223	594667006	8/8/2022	Actinium-228	9.08E-04	1.37E-03	3.02E-03	pCi/m3	U
2223	600159008	9/6/2022	Actinium-228	-1.55E-03	1.43E-03	3.77E-03	pCi/m3	U
2223	600160009	10/3/2022	Actinium-228	9.63E-05	1.65E-03	4.34E-03	pCi/m3	U
2223	606088008	10/31/2022	Actinium-228	4.54E-03	2.21E-03	6.97E-03	pCi/m3	U
2223	606540008	11/28/2022	Actinium-228	1.47E-04	1.80E-03	5.67E-03	pCi/m3	U
2223	609503008	12/27/2022	Actinium-228	1.27E-03	1.28E-03	4.12E-03	pCi/m3	U
2223	571519006	1/24/2022	Americium-241	4.61E-04	1.34E-03	4.20E-03	pCi/m3	U
2223	575119011	2/22/2022	Americium-241	-1.04E-03	1.21E-03	3.90E-03	pCi/m3	U
2223	580222006	3/21/2022	Americium-241	-2.20E-04	7.54E-04	2.24E-03	pCi/m3	U
2223	582716006	4/18/2022	Americium-241	1.08E-03	9.30E-04	3.21E-03	pCi/m3	U
2223	585173006	5/16/2022	Americium-241	6.31E-04	5.62E-04	1.75E-03	pCi/m3	U
2223	587312011	6/13/2022	Americium-241	3.22E-04	9.10E-04	2.64E-03	pCi/m3	U
2223	592755007	7/11/2022	Americium-241	-4.37E-04	1.23E-03	4.23E-03	pCi/m3	U
2223	594667006	8/8/2022	Americium-241	-1.93E-03	9.66E-04	2.85E-03	pCi/m3	U
2223	600159008	9/6/2022	Americium-241	-3.46E-04	2.22E-04	6.66E-04	pCi/m3	U
2223	600160009	10/3/2022	Americium-241	2.17E-03	7.93E-04	2.80E-03	pCi/m3	U
2223	606088008	10/31/2022	Americium-241	2.15E-04	5.57E-04	1.90E-03	pCi/m3	U
2223	606540008	11/28/2022	Americium-241	3.18E-04	6.13E-04	1.96E-03	pCi/m3	U
2223	609503008	12/27/2022	Americium-241	-1.10E-03	1.13E-03	3.47E-03	pCi/m3	U
2223	571519006	1/24/2022	Antimony-124	4.21E-04	7.69E-04	2.70E-03	pCi/m3	U
2223	575119011	2/22/2022	Antimony-124	9.13E-04	7.41E-04	2.79E-03	pCi/m3	U
2223	580222006	3/21/2022	Antimony-124	1.52E-03	8.44E-04	3.63E-03	pCi/m3	U
2223	582716006	4/18/2022	Antimony-124	5.16E-04	9.56E-04	3.50E-03	pCi/m3	U
2223	585173006	5/16/2022	Antimony-124	5.65E-04	6.14E-04	2.41E-03	pCi/m3	U
2223	587312011	6/13/2022	Antimony-124	-8.64E-04	1.01E-03	2.78E-03	pCi/m3	U
2223	592755007	7/11/2022	Antimony-124	-1.43E-03	2.20E-03	6.45E-03	pCi/m3	U
2223	594667006	8/8/2022	Antimony-124	-9.44E-04	9.35E-04	2.51E-03	pCi/m3	U
2223	600159008	9/6/2022	Antimony-124	2.51E-03	1.21E-03	5.21E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	600160009	10/3/2022	Antimony-124	-3.21E-05	8.27E-04	2.69E-03	pCi/m3	U
2223	606088008	10/31/2022	Antimony-124	7.38E-04	2.46E-03	8.29E-03	pCi/m3	U
2223	606540008	11/28/2022	Antimony-124	-1.59E-03	1.40E-03	3.40E-03	pCi/m3	U
2223	609503008	12/27/2022	Antimony-124	5.06E-06	7.49E-04	2.48E-03	pCi/m3	U
2223	571519006	1/24/2022	Antimony-125	2.51E-04	5.09E-04	1.66E-03	pCi/m3	U
2223	575119011	2/22/2022	Antimony-125	7.35E-04	4.79E-04	1.66E-03	pCi/m3	U
2223	580222006	3/21/2022	Antimony-125	-6.53E-05	4.26E-04	1.43E-03	pCi/m3	U
2223	582716006	4/18/2022	Antimony-125	9.99E-04	5.39E-04	1.88E-03	pCi/m3	U
2223	585173006	5/16/2022	Antimony-125	-4.54E-04	5.30E-04	1.61E-03	pCi/m3	U
2223	587312011	6/13/2022	Antimony-125	8.03E-04	5.41E-04	2.04E-03	pCi/m3	U
2223	592755007	7/11/2022	Antimony-125	3.32E-04	7.32E-04	2.53E-03	pCi/m3	U
2223	594667006	8/8/2022	Antimony-125	-1.10E-03	5.22E-04	1.51E-03	pCi/m3	U
2223	600159008	9/6/2022	Antimony-125	-7.48E-04	6.72E-04	2.07E-03	pCi/m3	U
2223	600160009	10/3/2022	Antimony-125	6.98E-04	5.38E-04	1.95E-03	pCi/m3	U
2223	606088008	10/31/2022	Antimony-125	6.32E-05	7.60E-04	2.57E-03	pCi/m3	U
2223	606540008	11/28/2022	Antimony-125	-1.33E-03	8.04E-04	2.34E-03	pCi/m3	U
2223	609503008	12/27/2022	Antimony-125	2.08E-03	9.54E-04	1.94E-03	pCi/m3	UI
2223	571519006	1/24/2022	Barium-140	4.89E-04	4.55E-03	1.53E-02	pCi/m3	U
2223	575119011	2/22/2022	Barium-140	5.20E-03	5.53E-03	1.96E-02	pCi/m3	U
2223	580222006	3/21/2022	Barium-140	1.18E-02	1.35E-02	4.86E-02	pCi/m3	U
2223	582716006	4/18/2022	Barium-140	-2.61E-02	1.74E-02	4.86E-02	pCi/m3	U
2223	585173006	5/16/2022	Barium-140	4.04E-03	1.15E-02	3.80E-02	pCi/m3	U
2223	587312011	6/13/2022	Barium-140	4.47E-03	7.51E-03	2.66E-02	pCi/m3	U
2223	592755007	7/11/2022	Barium-140	-3.63E-02	5.88E-02	1.81E-01	pCi/m3	U
2223	594667006	8/8/2022	Barium-140	-8.78E-03	8.93E-03	2.69E-02	pCi/m3	U
2223	600159008	9/6/2022	Barium-140	1.78E-02	2.76E-02	9.52E-02	pCi/m3	U
2223	600160009	10/3/2022	Barium-140	3.40E-03	5.79E-03	2.00E-02	pCi/m3	U
2223	606088008	10/31/2022	Barium-140	4.53E-02	4.01E-02	1.45E-01	pCi/m3	U
2223	606540008	11/28/2022	Barium-140	1.78E-02	1.32E-02	4.83E-02	pCi/m3	U
2223	609503008	12/27/2022	Barium-140	5.97E-03	6.25E-03	2.27E-02	pCi/m3	U
2223	571519006	1/24/2022	Beryllium-7	1.07E-01	7.50E-03	8.96E-03	pCi/m3	U
2223	575119011	2/22/2022	Beryllium-7	1.43E-01	8.18E-03	8.11E-03	pCi/m3	U
2223	580222006	3/21/2022	Beryllium-7	1.08E-01	9.24E-03	8.53E-03	pCi/m3	U
2223	582716006	4/18/2022	Beryllium-7	1.54E-01	1.08E-02	8.38E-03	pCi/m3	U
2223	585173006	5/16/2022	Beryllium-7	1.47E-01	8.76E-03	8.52E-03	pCi/m3	U
2223	587312011	6/13/2022	Beryllium-7	1.20E-01	9.57E-03	9.40E-03	pCi/m3	U
2223	592755007	7/11/2022	Beryllium-7	1.47E-01	1.52E-02	1.88E-02	pCi/m3	U
2223	594667006	8/8/2022	Beryllium-7	1.01E-01	8.63E-03	9.49E-03	pCi/m3	U
2223	600159008	9/6/2022	Beryllium-7	1.07E-01	1.18E-02	1.45E-02	pCi/m3	U
2223	600160009	10/3/2022	Beryllium-7	9.69E-02	9.45E-03	9.37E-03	pCi/m3	U
2223	606088008	10/31/2022	Beryllium-7	1.47E-01	1.79E-02	1.65E-02	pCi/m3	U
2223	606540008	11/28/2022	Beryllium-7	1.08E-01	1.13E-02	1.50E-02	pCi/m3	U
2223	609503008	12/27/2022	Beryllium-7	7.29E-02	8.76E-03	7.91E-03	pCi/m3	U
2223	566166011	1/3/2022	BETA	2.18E-02	1.35E-03	1.41E-03	pCi/m3	U
2223	566829013	1/10/2022	BETA	4.72E-02	1.98E-03	1.50E-03	pCi/m3	U
2223	567639013	1/18/2022	BETA	5.15E-02	1.92E-03	1.29E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2223	568220011	1/24/2022	BETA	4.83E-02	2.28E-03	1.97E-03	pCi/m3	
2223	568941005	1/31/2022	BETA	4.98E-02	2.06E-03	1.59E-03	pCi/m3	
2223	569535011	2/7/2022	BETA	4.02E-02	1.89E-03	1.64E-03	pCi/m3	
2223	570265019	2/14/2022	BETA	4.45E-02	1.87E-03	1.34E-03	pCi/m3	
2223	571000021	2/22/2022	BETA	4.19E-02	1.64E-03	1.27E-03	pCi/m3	
2223	571637011	2/28/2022	BETA	2.89E-02	1.51E-03	1.48E-03	pCi/m3	
2223	572310021	3/7/2022	BETA	6.07E-02	2.26E-03	1.51E-03	pCi/m3	
2223	573044011	3/14/2022	BETA	3.31E-02	1.66E-03	1.47E-03	pCi/m3	
2223	573809011	3/21/2022	BETA	2.82E-02	1.51E-03	1.38E-03	pCi/m3	
2223	574543011	3/28/2022	BETA	2.73E-02	1.51E-03	1.42E-03	pCi/m3	
2223	575131011	4/4/2022	BETA	3.18E-02	1.69E-03	1.67E-03	pCi/m3	
2223	576092013	4/11/2022	BETA	2.92E-02	1.60E-03	1.54E-03	pCi/m3	
2223	576835013	4/18/2022	BETA	3.58E-02	1.78E-03	1.66E-03	pCi/m3	
2223	577597003	4/25/2022	BETA	4.18E-02	1.89E-03	1.50E-03	pCi/m3	
2223	578409023	5/2/2022	BETA	4.28E-02	2.01E-03	1.77E-03	pCi/m3	
2223	579262019	5/9/2022	BETA	2.44E-02	1.49E-03	1.54E-03	pCi/m3	
2223	580035011	5/16/2022	BETA	3.08E-02	1.72E-03	1.67E-03	pCi/m3	
2223	580692003	5/23/2022	BETA	4.00E-02	1.97E-03	1.71E-03	pCi/m3	
2223	581372003	5/31/2022	BETA	2.20E-02	1.20E-03	1.29E-03	pCi/m3	
2223	581946011	6/6/2022	BETA	3.57E-02	2.06E-03	2.03E-03	pCi/m3	
2223	582788021	6/13/2022	BETA	3.12E-02	1.89E-03	2.15E-03	pCi/m3	
2223	583525016	6/21/2022	BETA	3.46E-02	1.72E-03	1.56E-03	pCi/m3	
2223	584134003	6/27/2022	BETA	4.11E-02	2.25E-03	2.19E-03	pCi/m3	
2223	584823005	7/5/2022	BETA	2.72E-02	1.54E-03	1.47E-03	pCi/m3	
2223	585557013	7/11/2022	BETA	2.45E-02	1.77E-03	2.10E-03	pCi/m3	
2223	586344011	7/18/2022	BETA	4.02E-02	1.67E-03	1.22E-03	pCi/m3	
2223	587147017	7/25/2022	BETA	2.81E-02	1.36E-03	1.22E-03	pCi/m3	
2223	587889011	8/1/2022	BETA	1.70E-02	1.05E-03	1.10E-03	pCi/m3	
2223	589386006	8/8/2022	BETA	2.23E-02	1.18E-03	1.10E-03	pCi/m3	
2223	589633003	8/15/2022	BETA	3.14E-02	1.44E-03	1.18E-03	pCi/m3	
2223	590523011	8/22/2022	BETA	4.45E-02	1.75E-03	1.37E-03	pCi/m3	
2223	591270011	8/29/2022	BETA	3.82E-02	1.54E-03	1.09E-03	pCi/m3	
2223	592020017	9/6/2022	BETA	2.89E-02	1.30E-03	1.03E-03	pCi/m3	
2223	592698017	9/12/2022	BETA	2.75E-02	1.46E-03	1.33E-03	pCi/m3	
2223	593605015	9/19/2022	BETA	4.22E-02	1.65E-03	1.13E-03	pCi/m3	
2223	594421017	9/26/2022	BETA	4.85E-02	1.85E-03	1.38E-03	pCi/m3	
2223	594992027	10/3/2022	BETA	2.63E-02	1.34E-03	1.17E-03	pCi/m3	
2223	596154015	10/10/2022	BETA	4.22E-02	1.58E-03	1.05E-03	pCi/m3	
2223	597078007	10/17/2022	BETA	4.51E-02	1.72E-03	1.17E-03	pCi/m3	
2223	597937017	10/24/2022	BETA	4.42E-02	1.68E-03	1.13E-03	pCi/m3	
2223	598805015	10/31/2022	BETA	3.10E-02	1.40E-03	1.11E-03	pCi/m3	
2223	599718017	11/7/2022	BETA	4.21E-02	1.59E-03	1.07E-03	pCi/m3	
2223	600677015	11/14/2022	BETA	3.21E-02	1.40E-03	1.08E-03	pCi/m3	
2223	601448019	11/21/2022	BETA	4.53E-02	1.69E-03	1.12E-03	pCi/m3	
2223	602118015	11/28/2022	BETA	5.14E-02	1.88E-03	1.27E-03	pCi/m3	
2223	602825021	12/5/2022	BETA	4.00E-02	1.60E-03	1.12E-03	pCi/m3	

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	603752013	12/12/2022	BETA	2.14E-02	1.23E-03	1.21E-03	pCi/m3	
2223	604620021	12/19/2022	BETA	3.87E-02	1.63E-03	1.20E-03	pCi/m3	
2223	605322027	12/27/2022	BETA	4.49E-02	1.58E-03	9.75E-04	pCi/m3	
2223	571519006	1/24/2022	Bismuth-214	3.19E-04	8.41E-04	1.80E-03	pCi/m3	U
2223	575119011	2/22/2022	Bismuth-214	1.96E-05	6.79E-04	1.66E-03	pCi/m3	U
2223	580222006	3/21/2022	Bismuth-214	-4.15E-04	4.67E-04	1.35E-03	pCi/m3	U
2223	582716006	4/18/2022	Bismuth-214	1.40E-03	8.05E-04	1.99E-03	pCi/m3	U
2223	585173006	5/16/2022	Bismuth-214	-8.42E-04	5.63E-04	1.64E-03	pCi/m3	U
2223	587312011	6/13/2022	Bismuth-214	8.32E-05	9.80E-04	2.07E-03	pCi/m3	U
2223	592755007	7/11/2022	Bismuth-214	1.39E-03	1.06E-03	2.56E-03	pCi/m3	U
2223	594667006	8/8/2022	Bismuth-214	-9.54E-04	5.38E-04	1.57E-03	pCi/m3	U
2223	600159008	9/6/2022	Bismuth-214	-5.45E-04	6.22E-04	1.70E-03	pCi/m3	U
2223	600160009	10/3/2022	Bismuth-214	2.00E-03	1.30E-03	1.30E-03	pCi/m3	UI
2223	606088008	10/31/2022	Bismuth-214	2.61E-03	1.15E-03	2.02E-03	pCi/m3	UI
2223	606540008	11/28/2022	Bismuth-214	2.33E-03	1.21E-03	2.05E-03	pCi/m3	UI
2223	609503008	12/27/2022	Bismuth-214	1.01E-03	5.17E-04	1.83E-03	pCi/m3	U
2223	571519006	1/24/2022	Cerium-141	8.79E-04	5.20E-04	1.76E-03	pCi/m3	U
2223	575119011	2/22/2022	Cerium-141	-7.81E-04	6.01E-04	1.64E-03	pCi/m3	U
2223	580222006	3/21/2022	Cerium-141	-9.82E-04	7.56E-04	2.21E-03	pCi/m3	U
2223	582716006	4/18/2022	Cerium-141	-1.23E-03	9.01E-04	2.44E-03	pCi/m3	U
2223	585173006	5/16/2022	Cerium-141	5.49E-04	5.98E-04	2.12E-03	pCi/m3	U
2223	587312011	6/13/2022	Cerium-141	-2.71E-04	6.50E-04	2.08E-03	pCi/m3	U
2223	592755007	7/11/2022	Cerium-141	-2.28E-03	1.52E-03	4.25E-03	pCi/m3	U
2223	594667006	8/8/2022	Cerium-141	1.18E-03	6.47E-04	2.29E-03	pCi/m3	U
2223	600159008	9/6/2022	Cerium-141	3.93E-04	9.56E-04	3.09E-03	pCi/m3	U
2223	600160009	10/3/2022	Cerium-141	-4.57E-04	5.41E-04	1.66E-03	pCi/m3	U
2223	606088008	10/31/2022	Cerium-141	-3.98E-03	1.60E-03	4.22E-03	pCi/m3	U
2223	606540008	11/28/2022	Cerium-141	4.42E-04	8.19E-04	2.73E-03	pCi/m3	U
2223	609503008	12/27/2022	Cerium-141	-7.80E-04	5.03E-04	1.44E-03	pCi/m3	U
2223	571519006	1/24/2022	Cerium-144	-1.86E-03	1.14E-03	3.29E-03	pCi/m3	U
2223	575119011	2/22/2022	Cerium-144	5.93E-04	1.02E-03	3.29E-03	pCi/m3	U
2223	580222006	3/21/2022	Cerium-144	-5.57E-04	8.20E-04	2.58E-03	pCi/m3	U
2223	582716006	4/18/2022	Cerium-144	1.02E-03	1.03E-03	3.53E-03	pCi/m3	U
2223	585173006	5/16/2022	Cerium-144	-9.08E-04	9.98E-04	3.08E-03	pCi/m3	U
2223	587312011	6/13/2022	Cerium-144	-1.12E-03	1.26E-03	3.50E-03	pCi/m3	U
2223	592755007	7/11/2022	Cerium-144	1.23E-03	1.30E-03	4.58E-03	pCi/m3	U
2223	594667006	8/8/2022	Cerium-144	7.20E-04	9.03E-04	3.08E-03	pCi/m3	U
2223	600159008	9/6/2022	Cerium-144	8.04E-04	9.76E-04	3.27E-03	pCi/m3	U
2223	600160009	10/3/2022	Cerium-144	-7.13E-04	1.03E-03	3.18E-03	pCi/m3	U
2223	606088008	10/31/2022	Cerium-144	4.19E-04	1.67E-03	5.51E-03	pCi/m3	U
2223	606540008	11/28/2022	Cerium-144	-3.23E-05	1.39E-03	4.52E-03	pCi/m3	U
2223	609503008	12/27/2022	Cerium-144	1.60E-03	1.70E-03	2.70E-03	pCi/m3	U
2223	571519006	1/24/2022	Cesium-134	6.41E-05	2.26E-04	7.43E-04	pCi/m3	U
2223	575119011	2/22/2022	Cesium-134	3.57E-04	3.28E-04	7.99E-04	pCi/m3	U
2223	580222006	3/21/2022	Cesium-134	1.07E-04	2.14E-04	7.38E-04	pCi/m3	U
2223	582716006	4/18/2022	Cesium-134	-1.99E-04	2.43E-04	7.57E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	585173006	5/16/2022	Cesium-134	-1.66E-04	1.84E-04	5.53E-04	pCi/m3	U
2223	587312011	6/13/2022	Cesium-134	-3.37E-04	2.03E-04	4.64E-04	pCi/m3	U
2223	592755007	7/11/2022	Cesium-134	2.14E-04	4.52E-04	1.42E-03	pCi/m3	U
2223	594667006	8/8/2022	Cesium-134	1.89E-05	2.16E-04	7.09E-04	pCi/m3	U
2223	600159008	9/6/2022	Cesium-134	-2.39E-04	2.54E-04	7.08E-04	pCi/m3	U
2223	600160009	10/3/2022	Cesium-134	3.21E-04	2.55E-04	9.18E-04	pCi/m3	U
2223	606088008	10/31/2022	Cesium-134	5.92E-04	4.83E-04	1.73E-03	pCi/m3	U
2223	606540008	11/28/2022	Cesium-134	3.63E-04	4.70E-04	1.62E-03	pCi/m3	U
2223	609503008	12/27/2022	Cesium-134	-2.57E-04	2.25E-04	6.18E-04	pCi/m3	U
2223	571519006	1/24/2022	Cesium-137	1.50E-05	2.22E-04	7.32E-04	pCi/m3	U
2223	575119011	2/22/2022	Cesium-137	2.54E-04	3.34E-04	6.84E-04	pCi/m3	U
2223	580222006	3/21/2022	Cesium-137	-1.63E-04	2.29E-04	6.99E-04	pCi/m3	U
2223	582716006	4/18/2022	Cesium-137	2.33E-05	1.94E-04	6.31E-04	pCi/m3	U
2223	585173006	5/16/2022	Cesium-137	-3.62E-04	2.42E-04	6.23E-04	pCi/m3	U
2223	587312011	6/13/2022	Cesium-137	-4.24E-04	2.28E-04	5.46E-04	pCi/m3	U
2223	592755007	7/11/2022	Cesium-137	3.10E-04	3.10E-04	1.10E-03	pCi/m3	U
2223	594667006	8/8/2022	Cesium-137	-2.80E-04	1.76E-04	4.68E-04	pCi/m3	U
2223	600159008	9/6/2022	Cesium-137	-8.39E-05	2.44E-04	7.61E-04	pCi/m3	U
2223	600160009	10/3/2022	Cesium-137	1.35E-04	2.17E-04	7.48E-04	pCi/m3	U
2223	606088008	10/31/2022	Cesium-137	-2.80E-04	3.67E-04	1.10E-03	pCi/m3	U
2223	606540008	11/28/2022	Cesium-137	4.77E-04	4.19E-04	1.49E-03	pCi/m3	U
2223	609503008	12/27/2022	Cesium-137	2.40E-04	1.71E-04	6.48E-04	pCi/m3	U
2223	571519006	1/24/2022	Chromium-51	-3.17E-03	3.71E-03	1.16E-02	pCi/m3	U
2223	575119011	2/22/2022	Chromium-51	-3.62E-04	3.98E-03	1.29E-02	pCi/m3	U
2223	580222006	3/21/2022	Chromium-51	-3.65E-03	5.94E-03	1.68E-02	pCi/m3	U
2223	582716006	4/18/2022	Chromium-51	7.38E-03	6.31E-03	2.29E-02	pCi/m3	U
2223	585173006	5/16/2022	Chromium-51	-6.82E-03	5.28E-03	1.60E-02	pCi/m3	U
2223	587312011	6/13/2022	Chromium-51	7.96E-05	5.64E-03	1.77E-02	pCi/m3	U
2223	592755007	7/11/2022	Chromium-51	-1.24E-02	1.27E-02	4.05E-02	pCi/m3	U
2223	594667006	8/8/2022	Chromium-51	2.77E-04	5.02E-03	1.44E-02	pCi/m3	U
2223	600159008	9/6/2022	Chromium-51	-3.24E-03	7.22E-03	2.37E-02	pCi/m3	U
2223	600160009	10/3/2022	Chromium-51	-1.67E-03	3.77E-03	1.25E-02	pCi/m3	U
2223	606088008	10/31/2022	Chromium-51	-1.27E-02	1.16E-02	3.72E-02	pCi/m3	U
2223	606540008	11/28/2022	Chromium-51	-4.18E-03	6.33E-03	2.08E-02	pCi/m3	U
2223	609503008	12/27/2022	Chromium-51	1.48E-03	3.91E-03	1.32E-02	pCi/m3	U
2223	571519006	1/24/2022	Cobalt-57	-2.42E-05	1.48E-04	4.64E-04	pCi/m3	U
2223	575119011	2/22/2022	Cobalt-57	8.46E-05	1.35E-04	4.40E-04	pCi/m3	U
2223	580222006	3/21/2022	Cobalt-57	1.04E-04	1.04E-04	3.62E-04	pCi/m3	U
2223	582716006	4/18/2022	Cobalt-57	-1.86E-04	1.50E-04	4.58E-04	pCi/m3	U
2223	585173006	5/16/2022	Cobalt-57	2.19E-04	1.06E-04	3.99E-04	pCi/m3	U
2223	587312011	6/13/2022	Cobalt-57	3.75E-04	2.48E-04	4.47E-04	pCi/m3	U
2223	592755007	7/11/2022	Cobalt-57	3.40E-04	2.61E-04	4.53E-04	pCi/m3	U
2223	594667006	8/8/2022	Cobalt-57	-3.65E-05	1.28E-04	3.78E-04	pCi/m3	U
2223	600159008	9/6/2022	Cobalt-57	-1.98E-04	1.19E-04	2.94E-04	pCi/m3	U
2223	600160009	10/3/2022	Cobalt-57	4.30E-05	1.43E-04	4.66E-04	pCi/m3	U
2223	606088008	10/31/2022	Cobalt-57	-2.26E-04	2.06E-04	6.38E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	606540008	11/28/2022	Cobalt-57	-4.07E-04	1.99E-04	5.20E-04	pCi/m3	U
2223	609503008	12/27/2022	Cobalt-57	1.32E-04	1.08E-04	3.75E-04	pCi/m3	U
2223	571519006	1/24/2022	Cobalt-58	-5.16E-05	3.03E-04	9.61E-04	pCi/m3	U
2223	575119011	2/22/2022	Cobalt-58	3.19E-04	3.31E-04	1.02E-03	pCi/m3	U
2223	580222006	3/21/2022	Cobalt-58	-1.87E-04	3.43E-04	1.05E-03	pCi/m3	U
2223	582716006	4/18/2022	Cobalt-58	2.03E-04	3.49E-04	1.14E-03	pCi/m3	U
2223	585173006	5/16/2022	Cobalt-58	1.70E-04	3.16E-04	1.12E-03	pCi/m3	U
2223	587312011	6/13/2022	Cobalt-58	2.08E-04	3.31E-04	1.16E-03	pCi/m3	U
2223	592755007	7/11/2022	Cobalt-58	1.23E-03	6.52E-04	2.57E-03	pCi/m3	U
2223	594667006	8/8/2022	Cobalt-58	-1.39E-05	2.60E-04	8.37E-04	pCi/m3	U
2223	600159008	9/6/2022	Cobalt-58	7.75E-05	3.77E-04	1.24E-03	pCi/m3	U
2223	600160009	10/3/2022	Cobalt-58	-1.79E-04	2.99E-04	8.98E-04	pCi/m3	U
2223	606088008	10/31/2022	Cobalt-58	6.17E-04	6.00E-04	2.16E-03	pCi/m3	U
2223	606540008	11/28/2022	Cobalt-58	-8.91E-04	5.82E-04	1.53E-03	pCi/m3	U
2223	609503008	12/27/2022	Cobalt-58	3.79E-04	3.26E-04	1.09E-03	pCi/m3	U
2223	571519006	1/24/2022	Cobalt-60	1.70E-04	2.89E-04	9.81E-04	pCi/m3	U
2223	575119011	2/22/2022	Cobalt-60	2.69E-04	2.87E-04	8.29E-04	pCi/m3	U
2223	580222006	3/21/2022	Cobalt-60	1.00E-04	2.46E-04	8.71E-04	pCi/m3	U
2223	582716006	4/18/2022	Cobalt-60	2.73E-05	2.52E-04	8.30E-04	pCi/m3	U
2223	585173006	5/16/2022	Cobalt-60	-1.78E-04	2.08E-04	5.74E-04	pCi/m3	U
2223	587312011	6/13/2022	Cobalt-60	-4.29E-04	2.87E-04	7.38E-04	pCi/m3	U
2223	592755007	7/11/2022	Cobalt-60	-7.15E-04	4.45E-04	1.16E-03	pCi/m3	U
2223	594667006	8/8/2022	Cobalt-60	-1.07E-04	2.09E-04	6.45E-04	pCi/m3	U
2223	600159008	9/6/2022	Cobalt-60	-1.36E-05	2.87E-04	9.45E-04	pCi/m3	U
2223	600160009	10/3/2022	Cobalt-60	-7.96E-05	2.60E-04	8.37E-04	pCi/m3	U
2223	606088008	10/31/2022	Cobalt-60	-7.16E-04	5.36E-04	1.62E-03	pCi/m3	U
2223	606540008	11/28/2022	Cobalt-60	2.79E-04	4.98E-04	1.75E-03	pCi/m3	U
2223	609503008	12/27/2022	Cobalt-60	2.07E-04	2.30E-04	8.54E-04	pCi/m3	U
2223	571519006	1/24/2022	Iron-59	8.31E-04	8.03E-04	2.58E-03	pCi/m3	U
2223	575119011	2/22/2022	Iron-59	8.66E-04	6.52E-04	2.41E-03	pCi/m3	U
2223	580222006	3/21/2022	Iron-59	6.75E-05	7.50E-04	2.43E-03	pCi/m3	U
2223	582716006	4/18/2022	Iron-59	1.90E-04	1.03E-03	3.46E-03	pCi/m3	U
2223	585173006	5/16/2022	Iron-59	-5.51E-04	9.97E-04	2.61E-03	pCi/m3	U
2223	587312011	6/13/2022	Iron-59	1.08E-03	9.43E-04	3.49E-03	pCi/m3	U
2223	592755007	7/11/2022	Iron-59	-9.44E-04	2.07E-03	6.32E-03	pCi/m3	U
2223	594667006	8/8/2022	Iron-59	3.60E-04	8.27E-04	2.79E-03	pCi/m3	U
2223	600159008	9/6/2022	Iron-59	6.40E-04	8.52E-04	3.21E-03	pCi/m3	U
2223	600160009	10/3/2022	Iron-59	-1.50E-03	6.82E-04	1.62E-03	pCi/m3	U
2223	606088008	10/31/2022	Iron-59	-4.40E-04	2.23E-03	6.39E-03	pCi/m3	U
2223	606540008	11/28/2022	Iron-59	4.02E-04	1.08E-03	3.82E-03	pCi/m3	U
2223	609503008	12/27/2022	Iron-59	6.35E-04	9.03E-04	3.21E-03	pCi/m3	U
2223	571519006	1/24/2022	Lanthanum-140	-3.38E-03	2.31E-03	6.55E-03	pCi/m3	U
2223	575119011	2/22/2022	Lanthanum-140	3.21E-03	2.85E-03	1.04E-02	pCi/m3	U
2223	580222006	3/21/2022	Lanthanum-140	5.53E-03	5.06E-03	2.00E-02	pCi/m3	U
2223	582716006	4/18/2022	Lanthanum-140	3.54E-03	8.33E-03	2.95E-02	pCi/m3	U
2223	585173006	5/16/2022	Lanthanum-140	-9.85E-04	4.42E-03	1.37E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2223	587312011	6/13/2022	Lanthanum-140	-8.22E-03	3.56E-03	5.69E-03	pCi/m3	U
2223	592755007	7/11/2022	Lanthanum-140	-3.22E-03	1.96E-02	6.30E-02	pCi/m3	U
2223	594667006	8/8/2022	Lanthanum-140	-2.07E-03	3.39E-03	9.78E-03	pCi/m3	U
2223	600159008	9/6/2022	Lanthanum-140	1.03E-02	1.03E-02	3.89E-02	pCi/m3	U
2223	600160009	10/3/2022	Lanthanum-140	-1.67E-04	2.60E-03	8.48E-03	pCi/m3	U
2223	606088008	10/31/2022	Lanthanum-140	8.39E-04	1.77E-02	5.82E-02	pCi/m3	U
2223	606540008	11/28/2022	Lanthanum-140	7.54E-03	5.77E-03	2.20E-02	pCi/m3	U
2223	609503008	12/27/2022	Lanthanum-140	-2.64E-03	2.75E-03	7.55E-03	pCi/m3	U
2223	571519006	1/24/2022	Lead-210	-1.47E-02	5.30E-02	1.77E-01	pCi/m3	U
2223	575119011	2/22/2022	Lead-210	-1.64E-02	4.53E-02	1.51E-01	pCi/m3	U
2223	580222006	3/21/2022	Lead-210	1.25E-01	3.91E-02	6.42E-02	pCi/m3	
2223	582716006	4/18/2022	Lead-210	4.06E-02	6.81E-02	1.59E-01	pCi/m3	U
2223	585173006	5/16/2022	Lead-210	3.20E-02	1.71E-02	3.56E-02	pCi/m3	U
2223	587312011	6/13/2022	Lead-210	-1.76E-02	3.89E-02	1.20E-01	pCi/m3	U
2223	592755007	7/11/2022	Lead-210	6.24E-02	5.12E-02	1.68E-01	pCi/m3	U
2223	594667006	8/8/2022	Lead-210	1.85E-02	4.38E-02	1.52E-01	pCi/m3	U
2223	600159008	9/6/2022	Lead-210	1.82E-02	4.12E-03	5.93E-03	pCi/m3	
2223	600160009	10/3/2022	Lead-210	7.30E-03	3.55E-02	6.61E-02	pCi/m3	U
2223	606088008	10/31/2022	Lead-210	8.01E-03	5.56E-03	1.99E-02	pCi/m3	U
2223	606540008	11/28/2022	Lead-210	4.41E-02	5.26E-03	2.08E-02	pCi/m3	UI
2223	609503008	12/27/2022	Lead-210	-7.91E-02	5.23E-02	1.48E-01	pCi/m3	U
2223	571519006	1/24/2022	Lead-212	4.49E-04	5.91E-04	1.03E-03	pCi/m3	U
2223	575119011	2/22/2022	Lead-212	6.16E-04	4.29E-04	1.28E-03	pCi/m3	U
2223	580222006	3/21/2022	Lead-212	6.58E-04	5.31E-04	1.17E-03	pCi/m3	U
2223	582716006	4/18/2022	Lead-212	3.79E-04	8.27E-04	1.03E-03	pCi/m3	U
2223	585173006	5/16/2022	Lead-212	-1.64E-04	3.51E-04	1.19E-03	pCi/m3	U
2223	587312011	6/13/2022	Lead-212	-1.52E-05	4.36E-04	1.35E-03	pCi/m3	U
2223	592755007	7/11/2022	Lead-212	2.69E-04	4.90E-04	1.59E-03	pCi/m3	U
2223	594667006	8/8/2022	Lead-212	-2.80E-04	3.70E-04	1.13E-03	pCi/m3	U
2223	600159008	9/6/2022	Lead-212	2.25E-04	5.35E-04	1.07E-03	pCi/m3	U
2223	600160009	10/3/2022	Lead-212	1.64E-04	5.52E-04	1.36E-03	pCi/m3	U
2223	606088008	10/31/2022	Lead-212	-4.31E-04	5.96E-04	1.84E-03	pCi/m3	U
2223	606540008	11/28/2022	Lead-212	1.07E-03	8.29E-04	1.63E-03	pCi/m3	U
2223	609503008	12/27/2022	Lead-212	1.18E-03	4.12E-04	1.49E-03	pCi/m3	U
2223	571519006	1/24/2022	Lead-214	2.49E-03	8.01E-04	1.24E-03	pCi/m3	
2223	575119011	2/22/2022	Lead-214	2.52E-03	8.05E-04	1.75E-03	pCi/m3	UI
2223	580222006	3/21/2022	Lead-214	1.48E-03	5.24E-04	1.37E-03	pCi/m3	UI
2223	582716006	4/18/2022	Lead-214	5.16E-05	5.46E-04	1.66E-03	pCi/m3	U
2223	585173006	5/16/2022	Lead-214	1.05E-05	6.58E-04	1.54E-03	pCi/m3	U
2223	587312011	6/13/2022	Lead-214	7.27E-04	5.92E-04	1.92E-03	pCi/m3	U
2223	592755007	7/11/2022	Lead-214	2.33E-03	1.26E-03	2.78E-03	pCi/m3	U
2223	594667006	8/8/2022	Lead-214	6.63E-04	7.17E-04	1.63E-03	pCi/m3	U
2223	600159008	9/6/2022	Lead-214	1.93E-03	8.47E-04	1.57E-03	pCi/m3	UI
2223	600160009	10/3/2022	Lead-214	7.57E-04	7.83E-04	1.80E-03	pCi/m3	U
2223	606088008	10/31/2022	Lead-214	8.47E-04	1.27E-03	2.75E-03	pCi/m3	U
2223	606540008	11/28/2022	Lead-214	-8.86E-04	7.82E-04	2.39E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	609503008	12/27/2022	Lead-214	1.81E-04	4.75E-04	1.53E-03	pCi/m3	U
2223	571519006	1/24/2022	Manganese-54	1.39E-03	7.38E-04	7.35E-04	pCi/m3	UI
2223	575119011	2/22/2022	Manganese-54	2.79E-04	2.26E-04	7.88E-04	pCi/m3	U
2223	580222006	3/21/2022	Manganese-54	-3.28E-05	2.16E-04	6.92E-04	pCi/m3	U
2223	582716006	4/18/2022	Manganese-54	-3.82E-04	3.48E-04	1.05E-03	pCi/m3	U
2223	585173006	5/16/2022	Manganese-54	3.35E-04	2.91E-04	8.06E-04	pCi/m3	U
2223	587312011	6/13/2022	Manganese-54	3.01E-04	1.97E-04	7.78E-04	pCi/m3	U
2223	592755007	7/11/2022	Manganese-54	-1.04E-04	3.83E-04	1.25E-03	pCi/m3	U
2223	594667006	8/8/2022	Manganese-54	6.76E-04	3.56E-04	2.74E-04	pCi/m3	UI
2223	600159008	9/6/2022	Manganese-54	-1.33E-04	2.76E-04	8.29E-04	pCi/m3	U
2223	600160009	10/3/2022	Manganese-54	4.30E-05	2.66E-04	7.77E-04	pCi/m3	U
2223	606088008	10/31/2022	Manganese-54	-3.08E-04	4.51E-04	1.33E-03	pCi/m3	U
2223	606540008	11/28/2022	Manganese-54	4.11E-04	4.56E-04	1.59E-03	pCi/m3	U
2223	609503008	12/27/2022	Manganese-54	-4.24E-04	2.58E-04	6.73E-04	pCi/m3	U
2223	571519006	1/24/2022	Molybdenum-99	-9.35E+00	2.52E+01	0.00E+00	pCi/m3	U
2223	575119011	2/22/2022	Molybdenum-99	-5.27E+01	6.83E+01	0.00E+00	pCi/m3	U
2223	580222006	3/21/2022	Molybdenum-99	-3.29E+03	3.08E+03	0.00E+00	pCi/m3	U
2223	582716006	4/18/2022	Molybdenum-99	6.84E+03	4.78E+03	0.00E+00	pCi/m3	UI
2223	585173006	5/16/2022	Molybdenum-99	2.86E+02	8.60E+02	0.00E+00	pCi/m3	UI
2223	587312011	6/13/2022	Molybdenum-99	-8.75E+01	1.37E+02	0.00E+00	pCi/m3	U
2223	592755007	7/11/2022	Molybdenum-99	-2.37E+05	2.21E+05	0.00E+00	pCi/m3	U
2223	594667006	8/8/2022	Molybdenum-99	-1.08E+03	5.58E+02	0.00E+00	pCi/m3	U
2223	600159008	9/6/2022	Molybdenum-99	1.15E+03	2.26E+04	0.00E+00	pCi/m3	UI
2223	600160009	10/3/2022	Molybdenum-99	4.20E+01	3.13E+01	0.00E+00	pCi/m3	UI
2223	606088008	10/31/2022	Molybdenum-99	1.32E+02	5.59E+04	0.00E+00	pCi/m3	UI
2223	606540008	11/28/2022	Molybdenum-99	-3.71E+02	1.98E+02	0.00E+00	pCi/m3	U
2223	609503008	12/27/2022	Molybdenum-99	2.01E+02	1.11E+02	0.00E+00	pCi/m3	UI
2223	571519006	1/24/2022	Niobium-95	1.52E-04	3.34E-04	1.11E-03	pCi/m3	U
2223	575119011	2/22/2022	Niobium-95	-2.11E-04	3.10E-04	9.51E-04	pCi/m3	U
2223	580222006	3/21/2022	Niobium-95	-5.62E-04	3.27E-04	8.52E-04	pCi/m3	U
2223	582716006	4/18/2022	Niobium-95	-2.33E-04	4.02E-04	1.30E-03	pCi/m3	U
2223	585173006	5/16/2022	Niobium-95	-4.52E-04	4.45E-04	1.31E-03	pCi/m3	U
2223	587312011	6/13/2022	Niobium-95	4.78E-04	3.35E-04	1.27E-03	pCi/m3	U
2223	592755007	7/11/2022	Niobium-95	-8.15E-04	8.87E-04	2.73E-03	pCi/m3	U
2223	594667006	8/8/2022	Niobium-95	4.58E-04	3.09E-04	1.16E-03	pCi/m3	U
2223	600159008	9/6/2022	Niobium-95	-2.91E-04	4.92E-04	1.48E-03	pCi/m3	U
2223	600160009	10/3/2022	Niobium-95	-6.88E-05	2.99E-04	9.42E-04	pCi/m3	U
2223	606088008	10/31/2022	Niobium-95	8.07E-04	1.16E-03	2.17E-03	pCi/m3	U
2223	606540008	11/28/2022	Niobium-95	1.20E-04	5.63E-04	1.85E-03	pCi/m3	U
2223	609503008	12/27/2022	Niobium-95	-2.91E-04	2.83E-04	7.95E-04	pCi/m3	U
2223	571519006	1/24/2022	Potassium-40	1.17E-02	6.46E-03	8.53E-03	pCi/m3	UI
2223	575119011	2/22/2022	Potassium-40	-1.65E-03	3.62E-03	1.25E-02	pCi/m3	U
2223	580222006	3/21/2022	Potassium-40	1.53E-02	4.06E-03	4.25E-03	pCi/m3	UI
2223	582716006	4/18/2022	Potassium-40	8.63E-03	5.01E-03	4.60E-03	pCi/m3	UI
2223	585173006	5/16/2022	Potassium-40	5.40E-04	4.22E-03	1.45E-02	pCi/m3	U
2223	587312011	6/13/2022	Potassium-40	1.62E-02	7.76E-03	8.87E-03	pCi/m3	UI

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2223	592755007	7/11/2022	Potassium-40	3.14E-02	6.17E-03	7.77E-03	pCi/m3	
2223	594667006	8/8/2022	Potassium-40	1.01E-02	4.84E-03	7.05E-03	pCi/m3	UI
2223	600159008	9/6/2022	Potassium-40	7.16E-03	4.92E-03	5.17E-03	pCi/m3	UI
2223	600160009	10/3/2022	Potassium-40	1.07E-02	6.37E-03	8.10E-03	pCi/m3	UI
2223	606088008	10/31/2022	Potassium-40	1.73E-02	8.79E-03	1.11E-02	pCi/m3	UI
2223	606540008	11/28/2022	Potassium-40	3.39E-04	5.72E-03	2.06E-02	pCi/m3	U
2223	609503008	12/27/2022	Potassium-40	7.18E-03	3.39E-03	1.36E-02	pCi/m3	U
2223	571519006	1/24/2022	Radium-226	3.19E-04	8.41E-04	1.80E-03	pCi/m3	U
2223	575119011	2/22/2022	Radium-226	1.96E-05	6.79E-04	1.66E-03	pCi/m3	U
2223	580222006	3/21/2022	Radium-226	-4.15E-04	4.67E-04	1.35E-03	pCi/m3	U
2223	582716006	4/18/2022	Radium-226	1.40E-03	8.05E-04	1.99E-03	pCi/m3	U
2223	585173006	5/16/2022	Radium-226	-8.42E-04	5.63E-04	1.64E-03	pCi/m3	U
2223	587312011	6/13/2022	Radium-226	8.32E-05	9.80E-04	2.07E-03	pCi/m3	U
2223	592755007	7/11/2022	Radium-226	1.39E-03	1.06E-03	2.56E-03	pCi/m3	U
2223	594667006	8/8/2022	Radium-226	-9.54E-04	5.38E-04	1.57E-03	pCi/m3	U
2223	600159008	9/6/2022	Radium-226	1.93E-03	8.47E-04	1.57E-03	pCi/m3	UI
2223	600160009	10/3/2022	Radium-226	7.57E-04	7.83E-04	1.80E-03	pCi/m3	U
2223	606088008	10/31/2022	Radium-226	8.47E-04	1.27E-03	2.75E-03	pCi/m3	U
2223	606540008	11/28/2022	Radium-226	-8.86E-04	7.82E-04	2.39E-03	pCi/m3	U
2223	609503008	12/27/2022	Radium-226	1.81E-04	4.75E-04	1.53E-03	pCi/m3	U
2223	571519006	1/24/2022	Radium-228	-2.74E-03	1.14E-03	3.51E-03	pCi/m3	U
2223	575119011	2/22/2022	Radium-228	4.17E-03	1.09E-03	3.91E-03	pCi/m3	UI
2223	580222006	3/21/2022	Radium-228	-1.16E-04	1.10E-03	3.57E-03	pCi/m3	U
2223	582716006	4/18/2022	Radium-228	3.22E-04	1.04E-03	3.64E-03	pCi/m3	U
2223	585173006	5/16/2022	Radium-228	2.31E-03	1.52E-03	3.54E-03	pCi/m3	U
2223	587312011	6/13/2022	Radium-228	3.11E-03	1.37E-03	3.05E-03	pCi/m3	UI
2223	592755007	7/11/2022	Radium-228	2.27E-03	2.00E-03	5.92E-03	pCi/m3	U
2223	594667006	8/8/2022	Radium-228	9.08E-04	1.37E-03	3.02E-03	pCi/m3	U
2223	600159008	9/6/2022	Radium-228	-1.55E-03	1.43E-03	3.77E-03	pCi/m3	U
2223	600160009	10/3/2022	Radium-228	9.63E-05	1.65E-03	4.34E-03	pCi/m3	U
2223	606088008	10/31/2022	Radium-228	4.54E-03	2.21E-03	6.97E-03	pCi/m3	U
2223	606540008	11/28/2022	Radium-228	1.47E-04	1.80E-03	5.67E-03	pCi/m3	U
2223	609503008	12/27/2022	Radium-228	1.27E-03	1.28E-03	4.12E-03	pCi/m3	U
2223	571519006	1/24/2022	Ruthenium-103	8.65E-05	3.17E-04	1.08E-03	pCi/m3	U
2223	575119011	2/22/2022	Ruthenium-103	-7.11E-05	3.30E-04	1.10E-03	pCi/m3	U
2223	580222006	3/21/2022	Ruthenium-103	-6.70E-06	4.62E-04	1.56E-03	pCi/m3	U
2223	582716006	4/18/2022	Ruthenium-103	4.38E-04	4.92E-04	1.74E-03	pCi/m3	U
2223	585173006	5/16/2022	Ruthenium-103	-4.31E-04	3.50E-04	9.75E-04	pCi/m3	U
2223	587312011	6/13/2022	Ruthenium-103	-5.07E-04	4.58E-04	1.32E-03	pCi/m3	U
2223	592755007	7/11/2022	Ruthenium-103	1.19E-03	1.06E-03	3.77E-03	pCi/m3	U
2223	594667006	8/8/2022	Ruthenium-103	8.19E-04	6.26E-04	1.35E-03	pCi/m3	U
2223	600159008	9/6/2022	Ruthenium-103	2.24E-04	5.83E-04	1.91E-03	pCi/m3	U
2223	600160009	10/3/2022	Ruthenium-103	-4.12E-04	4.11E-04	1.17E-03	pCi/m3	U
2223	606088008	10/31/2022	Ruthenium-103	-2.98E-04	8.37E-04	2.70E-03	pCi/m3	U
2223	606540008	11/28/2022	Ruthenium-103	-4.29E-04	7.22E-04	2.30E-03	pCi/m3	U
2223	609503008	12/27/2022	Ruthenium-103	-3.25E-04	2.82E-04	8.40E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	571519006	1/24/2022	Ruthenium-106	1.17E-03	2.23E-03	7.54E-03	pCi/m3	U
2223	575119011	2/22/2022	Ruthenium-106	-5.90E-06	1.62E-03	5.34E-03	pCi/m3	U
2223	580222006	3/21/2022	Ruthenium-106	1.16E-03	2.22E-03	4.50E-03	pCi/m3	U
2223	582716006	4/18/2022	Ruthenium-106	-7.41E-04	2.12E-03	6.61E-03	pCi/m3	U
2223	585173006	5/16/2022	Ruthenium-106	2.90E-04	1.96E-03	6.32E-03	pCi/m3	U
2223	587312011	6/13/2022	Ruthenium-106	3.56E-03	2.50E-03	9.21E-03	pCi/m3	U
2223	592755007	7/11/2022	Ruthenium-106	-2.31E-03	4.01E-03	1.22E-02	pCi/m3	U
2223	594667006	8/8/2022	Ruthenium-106	-2.07E-05	1.91E-03	6.30E-03	pCi/m3	U
2223	600159008	9/6/2022	Ruthenium-106	-1.60E-03	2.19E-03	6.57E-03	pCi/m3	U
2223	600160009	10/3/2022	Ruthenium-106	-1.73E-03	2.01E-03	6.11E-03	pCi/m3	U
2223	606088008	10/31/2022	Ruthenium-106	3.55E-03	3.71E-03	1.31E-02	pCi/m3	U
2223	606540008	11/28/2022	Ruthenium-106	-8.38E-04	3.28E-03	1.05E-02	pCi/m3	U
2223	609503008	12/27/2022	Ruthenium-106	5.12E-04	2.27E-03	7.63E-03	pCi/m3	U
2223	571519006	1/24/2022	Selenium-75	5.87E-05	2.48E-04	8.30E-04	pCi/m3	U
2223	575119011	2/22/2022	Selenium-75	2.66E-04	2.69E-04	9.28E-04	pCi/m3	U
2223	580222006	3/21/2022	Selenium-75	-2.51E-05	2.75E-04	8.65E-04	pCi/m3	U
2223	582716006	4/18/2022	Selenium-75	-1.89E-04	2.78E-04	9.19E-04	pCi/m3	U
2223	585173006	5/16/2022	Selenium-75	-3.31E-04	2.87E-04	8.94E-04	pCi/m3	U
2223	587312011	6/13/2022	Selenium-75	-4.24E-04	2.97E-04	8.28E-04	pCi/m3	U
2223	592755007	7/11/2022	Selenium-75	-3.53E-04	5.12E-04	1.52E-03	pCi/m3	U
2223	594667006	8/8/2022	Selenium-75	-5.11E-04	2.73E-04	7.30E-04	pCi/m3	U
2223	600159008	9/6/2022	Selenium-75	3.36E-04	3.26E-04	1.17E-03	pCi/m3	U
2223	600160009	10/3/2022	Selenium-75	-1.64E-04	2.85E-04	9.54E-04	pCi/m3	U
2223	606088008	10/31/2022	Selenium-75	-1.37E-04	5.20E-04	1.60E-03	pCi/m3	U
2223	606540008	11/28/2022	Selenium-75	6.19E-05	5.04E-04	1.59E-03	pCi/m3	U
2223	609503008	12/27/2022	Selenium-75	1.00E-04	2.54E-04	8.69E-04	pCi/m3	U
2223	571519006	1/24/2022	Silver-108m	1.44E-04	1.52E-04	5.43E-04	pCi/m3	U
2223	575119011	2/22/2022	Silver-108m	-1.62E-04	1.44E-04	4.61E-04	pCi/m3	U
2223	580222006	3/21/2022	Silver-108m	-8.19E-05	1.41E-04	4.60E-04	pCi/m3	U
2223	582716006	4/18/2022	Silver-108m	1.81E-04	1.86E-04	6.57E-04	pCi/m3	U
2223	585173006	5/16/2022	Silver-108m	1.83E-04	1.42E-04	5.10E-04	pCi/m3	U
2223	587312011	6/13/2022	Silver-108m	6.87E-05	1.72E-04	6.01E-04	pCi/m3	U
2223	592755007	7/11/2022	Silver-108m	-1.29E-04	2.54E-04	8.09E-04	pCi/m3	U
2223	594667006	8/8/2022	Silver-108m	1.04E-04	1.56E-04	5.52E-04	pCi/m3	U
2223	600159008	9/6/2022	Silver-108m	1.72E-04	1.75E-04	6.23E-04	pCi/m3	U
2223	600160009	10/3/2022	Silver-108m	1.88E-04	1.98E-04	6.97E-04	pCi/m3	U
2223	606088008	10/31/2022	Silver-108m	-3.12E-05	2.58E-04	8.58E-04	pCi/m3	U
2223	606540008	11/28/2022	Silver-108m	-1.10E-04	2.69E-04	8.75E-04	pCi/m3	U
2223	609503008	12/27/2022	Silver-108m	1.38E-04	1.63E-04	5.09E-04	pCi/m3	U
2223	571519006	1/24/2022	Silver-110m	-1.40E-04	3.13E-04	1.02E-03	pCi/m3	U
2223	575119011	2/22/2022	Silver-110m	1.90E-04	2.94E-04	1.03E-03	pCi/m3	U
2223	580222006	3/21/2022	Silver-110m	6.35E-05	2.94E-04	9.79E-04	pCi/m3	U
2223	582716006	4/18/2022	Silver-110m	-2.57E-04	2.54E-04	7.23E-04	pCi/m3	U
2223	585173006	5/16/2022	Silver-110m	1.22E-04	3.27E-04	1.14E-03	pCi/m3	U
2223	587312011	6/13/2022	Silver-110m	2.67E-05	2.92E-04	9.60E-04	pCi/m3	U
2223	592755007	7/11/2022	Silver-110m	-2.00E-04	5.05E-04	1.60E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	594667006	8/8/2022	Silver-110m	3.98E-04	3.01E-04	1.06E-03	pCi/m3	U
2223	600159008	9/6/2022	Silver-110m	-1.55E-04	4.28E-04	1.30E-03	pCi/m3	U
2223	600160009	10/3/2022	Silver-110m	8.05E-05	3.45E-04	1.13E-03	pCi/m3	U
2223	606088008	10/31/2022	Silver-110m	-2.70E-04	7.11E-04	2.17E-03	pCi/m3	U
2223	606540008	11/28/2022	Silver-110m	1.29E-03	8.76E-04	1.95E-03	pCi/m3	U
2223	609503008	12/27/2022	Silver-110m	-4.55E-04	3.62E-04	1.07E-03	pCi/m3	U
2223	571519006	1/24/2022	Tellurium-132	1.63E-01	5.41E-01	0.00E+00	pCi/m3	UI
2223	575119011	2/22/2022	Tellurium-132	-2.00E-01	1.53E+00	0.00E+00	pCi/m3	U
2223	580222006	3/21/2022	Tellurium-132	9.84E+00	4.03E+01	0.00E+00	pCi/m3	UI
2223	582716006	4/18/2022	Tellurium-132	-2.22E+01	6.77E+01	0.00E+00	pCi/m3	U
2223	585173006	5/16/2022	Tellurium-132	2.24E+01	1.18E+01	0.00E+00	pCi/m3	UI
2223	587312011	6/13/2022	Tellurium-132	4.58E+00	3.22E+00	0.00E+00	pCi/m3	UI
2223	592755007	7/11/2022	Tellurium-132	1.56E+03	1.12E+03	0.00E+00	pCi/m3	UI
2223	594667006	8/8/2022	Tellurium-132	5.12E+00	8.96E+00	0.00E+00	pCi/m3	UI
2223	600159008	9/6/2022	Tellurium-132	1.21E+02	2.18E+02	0.00E+00	pCi/m3	UI
2223	600160009	10/3/2022	Tellurium-132	-3.01E-01	7.26E-01	0.00E+00	pCi/m3	U
2223	606088008	10/31/2022	Tellurium-132	-5.16E+02	4.97E+02	0.00E+00	pCi/m3	U
2223	606540008	11/28/2022	Tellurium-132	-2.19E+00	3.30E+00	0.00E+00	pCi/m3	U
2223	609503008	12/27/2022	Tellurium-132	2.94E+00	1.38E+00	0.00E+00	pCi/m3	UI
2223	571519006	1/24/2022	Thallium-208	3.11E-04	4.02E-04	6.53E-04	pCi/m3	U
2223	575119011	2/22/2022	Thallium-208	8.34E-05	2.56E-04	8.25E-04	pCi/m3	U
2223	580222006	3/21/2022	Thallium-208	2.38E-04	2.34E-04	7.88E-04	pCi/m3	U
2223	582716006	4/18/2022	Thallium-208	4.16E-04	4.03E-04	6.14E-04	pCi/m3	U
2223	585173006	5/16/2022	Thallium-208	1.16E-03	4.02E-04	5.86E-04	pCi/m3	UI
2223	587312011	6/13/2022	Thallium-208	9.51E-04	4.65E-04	8.41E-04	pCi/m3	UI
2223	592755007	7/11/2022	Thallium-208	4.55E-05	4.33E-04	1.31E-03	pCi/m3	U
2223	594667006	8/8/2022	Thallium-208	1.53E-04	2.36E-04	7.75E-04	pCi/m3	U
2223	600159008	9/6/2022	Thallium-208	8.97E-04	3.61E-04	5.95E-04	pCi/m3	UI
2223	600160009	10/3/2022	Thallium-208	-2.18E-04	2.94E-04	8.70E-04	pCi/m3	U
2223	606088008	10/31/2022	Thallium-208	6.39E-04	7.73E-04	9.44E-04	pCi/m3	U
2223	606540008	11/28/2022	Thallium-208	7.74E-04	6.75E-04	1.47E-03	pCi/m3	U
2223	609503008	12/27/2022	Thallium-208	-2.98E-04	3.24E-04	8.85E-04	pCi/m3	U
2223	571519006	1/24/2022	Thorium-228	4.49E-04	5.91E-04	1.03E-03	pCi/m3	U
2223	575119011	2/22/2022	Thorium-228	6.16E-04	4.29E-04	1.28E-03	pCi/m3	U
2223	580222006	3/21/2022	Thorium-228	6.58E-04	5.31E-04	1.17E-03	pCi/m3	U
2223	582716006	4/18/2022	Thorium-228	3.79E-04	8.27E-04	1.03E-03	pCi/m3	U
2223	585173006	5/16/2022	Thorium-228	-1.64E-04	3.51E-04	1.19E-03	pCi/m3	U
2223	587312011	6/13/2022	Thorium-228	-1.52E-05	4.36E-04	1.35E-03	pCi/m3	U
2223	592755007	7/11/2022	Thorium-228	2.69E-04	4.90E-04	1.59E-03	pCi/m3	U
2223	594667006	8/8/2022	Thorium-228	-2.80E-04	3.70E-04	1.13E-03	pCi/m3	U
2223	600159008	9/6/2022	Thorium-228	2.25E-04	5.35E-04	1.07E-03	pCi/m3	U
2223	600160009	10/3/2022	Thorium-232	9.63E-05	1.65E-03	4.34E-03	pCi/m3	U
2223	606088008	10/31/2022	Thorium-232	4.54E-03	2.21E-03	6.97E-03	pCi/m3	U
2223	606540008	11/28/2022	Thorium-232	1.47E-04	1.80E-03	5.67E-03	pCi/m3	U
2223	609503008	12/27/2022	Thorium-232	1.27E-03	1.28E-03	4.12E-03	pCi/m3	U
2223	571519006	1/24/2022	Thorium-234	1.13E-02	1.94E-02	2.91E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	575119011	2/22/2022	Thorium-234	-2.74E-03	1.00E-02	3.12E-02	pCi/m3	U
2223	580222006	3/21/2022	Thorium-234	-5.47E-03	6.99E-03	2.24E-02	pCi/m3	U
2223	582716006	4/18/2022	Thorium-234	3.44E-02	1.91E-02	2.47E-02	pCi/m3	UI
2223	585173006	5/16/2022	Thorium-234	6.02E-03	7.56E-03	1.41E-02	pCi/m3	U
2223	587312011	6/13/2022	Thorium-234	1.46E-02	1.68E-02	2.37E-02	pCi/m3	U
2223	592755007	7/11/2022	Thorium-234	8.61E-03	1.72E-02	3.70E-02	pCi/m3	U
2223	594667006	8/8/2022	Thorium-234	-1.84E-02	1.02E-02	3.01E-02	pCi/m3	U
2223	600159008	9/6/2022	Thorium-234	-5.15E-03	2.69E-03	7.46E-03	pCi/m3	U
2223	600160009	10/3/2022	Thorium-234	9.14E-05	1.12E-02	2.50E-02	pCi/m3	U
2223	606088008	10/31/2022	Thorium-234	-9.96E-03	6.86E-03	2.26E-02	pCi/m3	U
2223	606540008	11/28/2022	Thorium-234	-6.41E-03	7.37E-03	2.25E-02	pCi/m3	U
2223	609503008	12/27/2022	Thorium-234	-1.48E-03	9.47E-03	2.90E-02	pCi/m3	U
2223	571519006	1/24/2022	Uranium-234	3.19E-04	8.41E-04	1.80E-03	pCi/m3	U
2223	575119011	2/22/2022	Uranium-234	1.96E-05	6.79E-04	1.66E-03	pCi/m3	U
2223	580222006	3/21/2022	Uranium-234	-4.15E-04	4.67E-04	1.35E-03	pCi/m3	U
2223	582716006	4/18/2022	Uranium-234	1.40E-03	8.05E-04	1.99E-03	pCi/m3	U
2223	585173006	5/16/2022	Uranium-234	-8.42E-04	5.63E-04	1.64E-03	pCi/m3	U
2223	587312011	6/13/2022	Uranium-234	8.32E-05	9.80E-04	2.07E-03	pCi/m3	U
2223	592755007	7/11/2022	Uranium-234	1.39E-03	1.06E-03	2.56E-03	pCi/m3	U
2223	594667006	8/8/2022	Uranium-234	-9.54E-04	5.38E-04	1.57E-03	pCi/m3	U
2223	600159008	9/6/2022	Uranium-234	1.93E-03	8.47E-04	1.57E-03	pCi/m3	UI
2223	600160009	10/3/2022	Uranium-234	7.57E-04	7.83E-04	1.80E-03	pCi/m3	U
2223	606088008	10/31/2022	Uranium-234	8.47E-04	1.27E-03	2.75E-03	pCi/m3	U
2223	606540008	11/28/2022	Uranium-234	-8.85E-04	7.82E-04	2.39E-03	pCi/m3	U
2223	609503008	12/27/2022	Uranium-234	1.81E-04	4.75E-04	1.53E-03	pCi/m3	U
2223	571519006	1/24/2022	Zinc-65	4.63E-04	6.88E-04	2.10E-03	pCi/m3	U
2223	575119011	2/22/2022	Zinc-65	-5.26E-04	6.19E-04	1.59E-03	pCi/m3	U
2223	580222006	3/21/2022	Zinc-65	3.10E-04	4.87E-04	1.69E-03	pCi/m3	U
2223	582716006	4/18/2022	Zinc-65	-5.03E-04	4.62E-04	1.24E-03	pCi/m3	U
2223	585173006	5/16/2022	Zinc-65	-6.14E-04	5.64E-04	1.63E-03	pCi/m3	U
2223	587312011	6/13/2022	Zinc-65	4.10E-04	7.15E-04	2.44E-03	pCi/m3	U
2223	592755007	7/11/2022	Zinc-65	9.82E-04	8.70E-04	3.05E-03	pCi/m3	U
2223	594667006	8/8/2022	Zinc-65	3.45E-05	5.08E-04	1.63E-03	pCi/m3	U
2223	600159008	9/6/2022	Zinc-65	2.23E-03	9.10E-04	2.62E-03	pCi/m3	U
2223	600160009	10/3/2022	Zinc-65	5.98E-04	6.10E-04	2.24E-03	pCi/m3	U
2223	606088008	10/31/2022	Zinc-65	-1.16E-04	1.27E-03	3.69E-03	pCi/m3	U
2223	606540008	11/28/2022	Zinc-65	-9.50E-05	9.17E-04	3.04E-03	pCi/m3	U
2223	609503008	12/27/2022	Zinc-65	-5.41E-04	5.45E-04	1.56E-03	pCi/m3	U
2223	571519006	1/24/2022	Zirconium-95	-6.53E-04	5.23E-04	1.52E-03	pCi/m3	U
2223	575119011	2/22/2022	Zirconium-95	2.87E-04	5.17E-04	1.74E-03	pCi/m3	U
2223	580222006	3/21/2022	Zirconium-95	7.43E-05	5.13E-04	1.71E-03	pCi/m3	U
2223	582716006	4/18/2022	Zirconium-95	-4.99E-04	7.30E-04	2.13E-03	pCi/m3	U
2223	585173006	5/16/2022	Zirconium-95	6.80E-04	5.81E-04	2.16E-03	pCi/m3	U
2223	587312011	6/13/2022	Zirconium-95	1.47E-04	6.56E-04	2.20E-03	pCi/m3	U
2223	592755007	7/11/2022	Zirconium-95	-3.73E-04	1.19E-03	3.87E-03	pCi/m3	U
2223	594667006	8/8/2022	Zirconium-95	-6.32E-04	6.54E-04	1.96E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2223	600159008	9/6/2022	Zirconium-95	1.31E-04	6.79E-04	2.23E-03	pCi/m3	U
2223	600160009	10/3/2022	Zirconium-95	-8.91E-05	6.24E-04	1.99E-03	pCi/m3	U
2223	606088008	10/31/2022	Zirconium-95	-9.34E-04	1.18E-03	3.43E-03	pCi/m3	U
2223	606540008	11/28/2022	Zirconium-95	6.26E-04	8.70E-04	3.04E-03	pCi/m3	U
2223	609503008	12/27/2022	Zirconium-95	-1.60E-04	6.40E-04	1.74E-03	pCi/m3	U
2224	571519007	1/24/2022	Actinium-228	-4.04E-04	1.29E-03	3.92E-03	pCi/m3	U
2224	575119010	2/22/2022	Actinium-228	3.26E-03	1.87E-03	4.34E-03	pCi/m3	U
2224	580222007	3/21/2022	Actinium-228	7.21E-04	1.08E-03	3.38E-03	pCi/m3	U
2224	582716007	4/18/2022	Actinium-228	4.78E-04	1.53E-03	4.47E-03	pCi/m3	U
2224	585173007	5/16/2022	Actinium-228	3.62E-04	1.25E-03	4.32E-03	pCi/m3	U
2224	587312010	6/13/2022	Actinium-228	1.26E-03	9.21E-04	3.50E-03	pCi/m3	U
2224	592755008	7/11/2022	Actinium-228	-1.23E-03	1.10E-03	3.44E-03	pCi/m3	U
2224	594667007	8/8/2022	Actinium-228	4.03E-04	1.32E-03	4.36E-03	pCi/m3	U
2224	600159009	9/6/2022	Actinium-228	3.83E-04	1.24E-03	4.27E-03	pCi/m3	U
2224	600160010	10/3/2022	Actinium-228	-1.61E-03	2.27E-03	7.72E-03	pCi/m3	U
2224	606088009	10/31/2022	Actinium-228	-1.51E-03	1.14E-03	3.50E-03	pCi/m3	U
2224	606540009	11/28/2022	Actinium-228	4.30E-03	2.22E-03	6.27E-03	pCi/m3	U
2224	609503009	12/27/2022	Actinium-228	2.81E-03	1.55E-03	5.24E-03	pCi/m3	U
2224	571519007	1/24/2022	Americium-241	1.28E-04	6.46E-04	2.18E-03	pCi/m3	U
2224	575119010	2/22/2022	Americium-241	1.39E-03	1.04E-03	3.79E-03	pCi/m3	U
2224	580222007	3/21/2022	Americium-241	-4.30E-04	6.52E-04	1.95E-03	pCi/m3	U
2224	582716007	4/18/2022	Americium-241	-1.42E-03	1.12E-03	3.01E-03	pCi/m3	U
2224	585173007	5/16/2022	Americium-241	-2.66E-04	1.74E-04	5.05E-04	pCi/m3	U
2224	587312010	6/13/2022	Americium-241	-1.32E-03	1.47E-03	4.34E-03	pCi/m3	U
2224	592755008	7/11/2022	Americium-241	-7.33E-04	9.07E-04	2.60E-03	pCi/m3	U
2224	594667007	8/8/2022	Americium-241	-5.93E-04	1.06E-03	3.33E-03	pCi/m3	U
2224	600159009	9/6/2022	Americium-241	-6.90E-04	7.03E-04	2.28E-03	pCi/m3	U
2224	600160010	10/3/2022	Americium-241	-5.16E-04	6.79E-04	2.23E-03	pCi/m3	U
2224	606088009	10/31/2022	Americium-241	4.50E-03	1.98E-03	4.13E-03	pCi/m3	UI
2224	606540009	11/28/2022	Americium-241	2.16E-03	1.27E-03	4.43E-03	pCi/m3	U
2224	609503009	12/27/2022	Americium-241	3.93E-05	2.08E-04	7.23E-04	pCi/m3	U
2224	571519007	1/24/2022	Antimony-124	-1.14E-03	8.87E-04	2.24E-03	pCi/m3	U
2224	575119010	2/22/2022	Antimony-124	-4.52E-04	5.89E-04	1.58E-03	pCi/m3	U
2224	580222007	3/21/2022	Antimony-124	-2.18E-03	7.49E-04	4.94E-04	pCi/m3	U
2224	582716007	4/18/2022	Antimony-124	-2.05E-05	7.93E-04	2.56E-03	pCi/m3	U
2224	585173007	5/16/2022	Antimony-124	-1.57E-03	1.46E-03	3.77E-03	pCi/m3	U
2224	587312010	6/13/2022	Antimony-124	4.71E-04	7.96E-04	2.89E-03	pCi/m3	U
2224	592755008	7/11/2022	Antimony-124	-2.46E-05	9.59E-04	3.13E-03	pCi/m3	U
2224	594667007	8/8/2022	Antimony-124	-6.71E-04	1.22E-03	3.59E-03	pCi/m3	U
2224	600159009	9/6/2022	Antimony-124	1.55E-03	1.16E-03	4.72E-03	pCi/m3	U
2224	600160010	10/3/2022	Antimony-124	1.49E-03	1.65E-03	6.12E-03	pCi/m3	U
2224	606088009	10/31/2022	Antimony-124	9.20E-04	1.24E-03	4.56E-03	pCi/m3	U
2224	606540009	11/28/2022	Antimony-124	-3.06E-03	1.32E-03	2.81E-03	pCi/m3	U
2224	609503009	12/27/2022	Antimony-124	4.31E-04	1.10E-03	3.88E-03	pCi/m3	U
2224	571519007	1/24/2022	Antimony-125	5.66E-04	6.14E-04	2.18E-03	pCi/m3	U
2224	575119010	2/22/2022	Antimony-125	-2.54E-05	5.47E-04	1.62E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	580222007	3/21/2022	Antimony-125	-5.06E-04	5.22E-04	1.68E-03	pCi/m3	U
2224	582716007	4/18/2022	Antimony-125	-1.12E-03	5.58E-04	1.53E-03	pCi/m3	U
2224	585173007	5/16/2022	Antimony-125	-2.34E-04	6.47E-04	1.83E-03	pCi/m3	U
2224	587312010	6/13/2022	Antimony-125	-4.50E-04	6.59E-04	2.03E-03	pCi/m3	U
2224	592755008	7/11/2022	Antimony-125	5.02E-04	5.75E-04	2.03E-03	pCi/m3	U
2224	594667007	8/8/2022	Antimony-125	7.27E-04	6.11E-04	2.19E-03	pCi/m3	U
2224	600159009	9/6/2022	Antimony-125	8.33E-04	6.42E-04	2.32E-03	pCi/m3	U
2224	600160010	10/3/2022	Antimony-125	1.54E-04	1.10E-03	3.42E-03	pCi/m3	U
2224	606088009	10/31/2022	Antimony-125	2.86E-04	5.37E-04	1.88E-03	pCi/m3	U
2224	606540009	11/28/2022	Antimony-125	1.15E-04	7.46E-04	2.46E-03	pCi/m3	U
2224	609503009	12/27/2022	Antimony-125	-2.86E-05	6.66E-04	2.07E-03	pCi/m3	U
2224	571519007	1/24/2022	Barium-140	-7.08E-03	7.21E-03	2.25E-02	pCi/m3	U
2224	575119010	2/22/2022	Barium-140	6.20E-03	6.47E-03	2.30E-02	pCi/m3	U
2224	580222007	3/21/2022	Barium-140	1.10E-02	1.61E-02	5.55E-02	pCi/m3	U
2224	582716007	4/18/2022	Barium-140	3.70E-02	2.72E-02	6.62E-02	pCi/m3	U
2224	585173007	5/16/2022	Barium-140	-7.86E-04	1.42E-02	4.59E-02	pCi/m3	U
2224	587312010	6/13/2022	Barium-140	-1.03E-02	9.93E-03	2.90E-02	pCi/m3	U
2224	592755008	7/11/2022	Barium-140	2.02E-02	3.82E-02	1.31E-01	pCi/m3	U
2224	594667007	8/8/2022	Barium-140	-1.90E-02	1.31E-02	3.71E-02	pCi/m3	U
2224	600159009	9/6/2022	Barium-140	2.25E-02	2.32E-02	8.30E-02	pCi/m3	U
2224	600160010	10/3/2022	Barium-140	-8.41E-04	1.10E-02	3.59E-02	pCi/m3	U
2224	606088009	10/31/2022	Barium-140	2.19E-02	2.41E-02	8.69E-02	pCi/m3	U
2224	606540009	11/28/2022	Barium-140	2.15E-03	1.10E-02	3.59E-02	pCi/m3	U
2224	609503009	12/27/2022	Barium-140	1.00E-02	8.13E-03	3.02E-02	pCi/m3	U
2224	571519007	1/24/2022	Beryllium-7	9.80E-02	8.82E-03	9.27E-03	pCi/m3	U
2224	575119010	2/22/2022	Beryllium-7	1.34E-01	9.34E-03	9.43E-03	pCi/m3	U
2224	580222007	3/21/2022	Beryllium-7	9.95E-02	9.03E-03	9.94E-03	pCi/m3	U
2224	582716007	4/18/2022	Beryllium-7	1.51E-01	1.11E-02	1.32E-02	pCi/m3	U
2224	585173007	5/16/2022	Beryllium-7	1.47E-01	1.06E-02	1.20E-02	pCi/m3	U
2224	587312010	6/13/2022	Beryllium-7	1.55E-01	1.13E-02	1.02E-02	pCi/m3	U
2224	592755008	7/11/2022	Beryllium-7	1.30E-01	1.12E-02	1.17E-02	pCi/m3	U
2224	594667007	8/8/2022	Beryllium-7	1.07E-01	1.12E-02	9.41E-03	pCi/m3	U
2224	600159009	9/6/2022	Beryllium-7	1.06E-01	1.02E-02	1.24E-02	pCi/m3	U
2224	600160010	10/3/2022	Beryllium-7	9.56E-02	1.44E-02	1.98E-02	pCi/m3	U
2224	606088009	10/31/2022	Beryllium-7	1.19E-01	1.07E-02	1.25E-02	pCi/m3	U
2224	606540009	11/28/2022	Beryllium-7	9.61E-02	1.09E-02	1.38E-02	pCi/m3	U
2224	609503009	12/27/2022	Beryllium-7	8.75E-02	8.03E-03	1.22E-02	pCi/m3	U
2224	566166013	1/3/2022	BETA	2.18E-02	1.46E-03	1.65E-03	pCi/m3	U
2224	566829016	1/10/2022	BETA	4.49E-02	1.91E-03	1.48E-03	pCi/m3	U
2224	567639016	1/18/2022	BETA	5.40E-02	2.03E-03	1.38E-03	pCi/m3	U
2224	568220013	1/24/2022	BETA	3.95E-02	2.03E-03	1.91E-03	pCi/m3	U
2224	568941013	1/31/2022	BETA	4.95E-02	2.09E-03	1.63E-03	pCi/m3	U
2224	569535013	2/7/2022	BETA	4.04E-02	1.88E-03	1.50E-03	pCi/m3	U
2224	570265025	2/14/2022	BETA	4.47E-02	1.98E-03	1.50E-03	pCi/m3	U
2224	571000019	2/22/2022	BETA	3.77E-02	1.65E-03	1.22E-03	pCi/m3	U
2224	571637013	2/28/2022	BETA	2.99E-02	1.79E-03	1.87E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	572310019	3/7/2022	BETA	5.84E-02	2.24E-03	1.61E-03	pCi/m3	
2224	573044013	3/14/2022	BETA	3.26E-02	1.70E-03	1.50E-03	pCi/m3	
2224	573809013	3/21/2022	BETA	2.50E-02	1.48E-03	1.54E-03	pCi/m3	
2224	574543013	3/28/2022	BETA	2.38E-02	1.46E-03	1.53E-03	pCi/m3	
2224	575131013	4/4/2022	BETA	3.49E-02	1.76E-03	1.54E-03	pCi/m3	
2224	576092015	4/11/2022	BETA	2.72E-02	1.55E-03	1.55E-03	pCi/m3	
2224	576835015	4/18/2022	BETA	3.29E-02	1.71E-03	1.53E-03	pCi/m3	
2224	577597005	4/25/2022	BETA	3.73E-02	1.78E-03	1.55E-03	pCi/m3	
2224	578409009	5/2/2022	BETA	4.25E-02	1.95E-03	1.58E-03	pCi/m3	
2224	579262023	5/10/2022	BETA	2.47E-02	1.50E-03	1.64E-03	pCi/m3	
2224	580035013	5/16/2022	BETA	2.84E-02	1.59E-03	1.52E-03	pCi/m3	
2224	580692013	5/23/2022	BETA	4.13E-02	1.90E-03	1.52E-03	pCi/m3	
2224	581372005	5/31/2022	BETA	2.00E-02	1.13E-03	1.23E-03	pCi/m3	
2224	581946013	6/6/2022	BETA	2.80E-02	1.47E-03	1.37E-03	pCi/m3	
2224	582788019	6/13/2022	BETA	2.22E-02	1.29E-03	1.45E-03	pCi/m3	
2224	583525017	6/21/2022	BETA	3.46E-02	1.49E-03	1.35E-03	pCi/m3	
2224	584134005	6/27/2022	BETA	4.19E-02	1.91E-03	1.72E-03	pCi/m3	
2224	584823007	7/5/2022	BETA	2.75E-02	1.31E-03	1.10E-03	pCi/m3	
2224	585557015	7/11/2022	BETA	2.39E-02	1.44E-03	1.45E-03	pCi/m3	
2224	586344013	7/18/2022	BETA	3.52E-02	1.58E-03	1.25E-03	pCi/m3	
2224	587147003	7/25/2022	BETA	2.93E-02	1.48E-03	1.47E-03	pCi/m3	
2224	587889013	8/1/2022	BETA	1.89E-02	1.21E-03	1.29E-03	pCi/m3	
2224	589386007	8/8/2022	BETA	2.13E-02	1.26E-03	1.31E-03	pCi/m3	
2224	589633005	8/15/2022	BETA	3.19E-02	1.52E-03	1.47E-03	pCi/m3	
2224	590523013	8/22/2022	BETA	4.25E-02	1.75E-03	1.29E-03	pCi/m3	
2224	591270013	8/29/2022	BETA	3.78E-02	1.63E-03	1.27E-03	pCi/m3	
2224	592020019	9/6/2022	BETA	2.86E-02	1.33E-03	1.07E-03	pCi/m3	
2224	592698019	9/12/2022	BETA	3.18E-02	1.63E-03	1.43E-03	pCi/m3	
2224	593605017	9/19/2022	BETA	4.77E-02	1.83E-03	1.24E-03	pCi/m3	
2224	594421019	9/26/2022	BETA	5.08E-02	1.89E-03	1.28E-03	pCi/m3	
2224	594992029	10/3/2022	BETA	2.17E-02	1.29E-03	1.41E-03	pCi/m3	
2224	596154011	10/10/2022	BETA	4.21E-02	1.78E-03	1.35E-03	pCi/m3	
2224	597078003	10/17/2022	BETA	4.33E-02	1.78E-03	1.30E-03	pCi/m3	
2224	597937019	10/24/2022	BETA	4.68E-02	1.81E-03	1.27E-03	pCi/m3	
2224	598805017	10/31/2022	BETA	2.75E-02	1.44E-03	1.31E-03	pCi/m3	
2224	599718019	11/7/2022	BETA	4.29E-02	1.75E-03	1.27E-03	pCi/m3	
2224	600677017	11/14/2022	BETA	3.29E-02	1.54E-03	1.26E-03	pCi/m3	
2224	601448017	11/21/2022	BETA	4.67E-02	1.86E-03	1.28E-03	pCi/m3	
2224	602118017	11/28/2022	BETA	5.45E-02	1.98E-03	1.40E-03	pCi/m3	
2224	602825023	12/5/2022	BETA	4.10E-02	1.72E-03	1.33E-03	pCi/m3	
2224	603752017	12/12/2022	BETA	2.58E-02	1.41E-03	1.36E-03	pCi/m3	
2224	604620023	12/19/2022	BETA	4.00E-02	1.72E-03	1.35E-03	pCi/m3	
2224	605322029	12/27/2022	BETA	4.27E-02	1.65E-03	1.12E-03	pCi/m3	
2224	571519007	1/24/2022	Bismuth-214	1.85E-03	7.16E-04	2.56E-03	pCi/m3	U
2224	575119010	2/22/2022	Bismuth-214	5.96E-05	8.77E-04	2.18E-03	pCi/m3	U
2224	580222007	3/21/2022	Bismuth-214	6.19E-04	8.01E-04	1.18E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	582716007	4/18/2022	Bismuth-214	1.04E-03	6.53E-04	1.96E-03	pCi/m3	U
2224	585173007	5/16/2022	Bismuth-214	-7.06E-04	6.74E-04	2.05E-03	pCi/m3	U
2224	587312010	6/13/2022	Bismuth-214	9.40E-04	6.74E-04	2.24E-03	pCi/m3	U
2224	592755008	7/11/2022	Bismuth-214	1.67E-03	1.13E-03	1.38E-03	pCi/m3	UI
2224	594667007	8/8/2022	Bismuth-214	-1.82E-04	7.19E-04	2.19E-03	pCi/m3	U
2224	600159009	9/6/2022	Bismuth-214	-8.22E-04	6.45E-04	1.67E-03	pCi/m3	U
2224	600160010	10/3/2022	Bismuth-214	7.11E-04	1.35E-03	3.54E-03	pCi/m3	U
2224	606088009	10/31/2022	Bismuth-214	8.29E-04	1.08E-03	2.08E-03	pCi/m3	U
2224	606540009	11/28/2022	Bismuth-214	3.74E-03	1.13E-03	2.01E-03	pCi/m3	U
2224	609503009	12/27/2022	Bismuth-214	1.91E-04	1.11E-03	2.46E-03	pCi/m3	U
2224	571519007	1/24/2022	Cerium-141	-2.92E-04	5.45E-04	1.71E-03	pCi/m3	U
2224	575119010	2/22/2022	Cerium-141	-4.44E-04	5.61E-04	1.74E-03	pCi/m3	U
2224	580222007	3/21/2022	Cerium-141	2.63E-04	6.71E-04	2.04E-03	pCi/m3	U
2224	582716007	4/18/2022	Cerium-141	2.29E-04	8.51E-04	2.71E-03	pCi/m3	U
2224	585173007	5/16/2022	Cerium-141	1.30E-05	5.95E-04	1.92E-03	pCi/m3	U
2224	587312010	6/13/2022	Cerium-141	-4.76E-04	7.28E-04	2.16E-03	pCi/m3	U
2224	592755008	7/11/2022	Cerium-141	-1.34E-03	1.25E-03	3.62E-03	pCi/m3	U
2224	594667007	8/8/2022	Cerium-141	-1.25E-03	8.26E-04	2.38E-03	pCi/m3	U
2224	600159009	9/6/2022	Cerium-141	-2.31E-03	1.09E-03	2.75E-03	pCi/m3	U
2224	600160010	10/3/2022	Cerium-141	-1.01E-03	9.46E-04	2.88E-03	pCi/m3	U
2224	606088009	10/31/2022	Cerium-141	1.27E-03	1.70E-03	3.15E-03	pCi/m3	U
2224	606540009	11/28/2022	Cerium-141	4.32E-04	9.33E-04	2.75E-03	pCi/m3	U
2224	609503009	12/27/2022	Cerium-141	6.21E-04	6.13E-04	2.13E-03	pCi/m3	U
2224	571519007	1/24/2022	Cerium-144	-2.25E-04	1.07E-03	3.42E-03	pCi/m3	U
2224	575119010	2/22/2022	Cerium-144	-2.22E-05	9.39E-04	3.05E-03	pCi/m3	U
2224	580222007	3/21/2022	Cerium-144	-5.89E-04	9.55E-04	2.76E-03	pCi/m3	U
2224	582716007	4/18/2022	Cerium-144	9.30E-04	1.14E-03	3.76E-03	pCi/m3	U
2224	585173007	5/16/2022	Cerium-144	1.48E-03	8.81E-04	3.16E-03	pCi/m3	U
2224	587312010	6/13/2022	Cerium-144	-4.34E-04	1.15E-03	3.82E-03	pCi/m3	U
2224	592755008	7/11/2022	Cerium-144	1.85E-03	1.18E-03	4.09E-03	pCi/m3	U
2224	594667007	8/8/2022	Cerium-144	-1.85E-03	1.28E-03	3.70E-03	pCi/m3	U
2224	600159009	9/6/2022	Cerium-144	6.40E-04	1.02E-03	3.46E-03	pCi/m3	U
2224	600160010	10/3/2022	Cerium-144	-1.67E-03	1.60E-03	4.85E-03	pCi/m3	U
2224	606088009	10/31/2022	Cerium-144	-2.55E-03	1.23E-03	3.49E-03	pCi/m3	U
2224	606540009	11/28/2022	Cerium-144	1.36E-03	1.47E-03	4.81E-03	pCi/m3	U
2224	609503009	12/27/2022	Cerium-144	4.53E-04	1.09E-03	3.71E-03	pCi/m3	U
2224	571519007	1/24/2022	Cesium-134	-2.98E-04	2.91E-04	8.49E-04	pCi/m3	U
2224	575119010	2/22/2022	Cesium-134	-7.90E-05	2.29E-04	7.51E-04	pCi/m3	U
2224	580222007	3/21/2022	Cesium-134	-3.15E-06	3.37E-04	8.09E-04	pCi/m3	U
2224	582716007	4/18/2022	Cesium-134	-2.23E-04	3.23E-04	8.88E-04	pCi/m3	U
2224	585173007	5/16/2022	Cesium-134	-2.49E-04	3.02E-04	9.14E-04	pCi/m3	U
2224	587312010	6/13/2022	Cesium-134	-3.57E-04	2.67E-04	7.80E-04	pCi/m3	U
2224	592755008	7/11/2022	Cesium-134	5.58E-05	2.17E-04	7.21E-04	pCi/m3	U
2224	594667007	8/8/2022	Cesium-134	9.41E-04	2.94E-04	9.76E-04	pCi/m3	U
2224	600159009	9/6/2022	Cesium-134	3.00E-04	2.59E-04	9.77E-04	pCi/m3	U
2224	600160010	10/3/2022	Cesium-134	-2.13E-04	5.70E-04	1.70E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	606088009	10/31/2022	Cesium-134	-2.84E-04	2.63E-04	7.38E-04	pCi/m3	U
2224	606540009	11/28/2022	Cesium-134	-2.48E-04	3.71E-04	1.13E-03	pCi/m3	U
2224	609503009	12/27/2022	Cesium-134	-3.32E-04	2.75E-04	7.86E-04	pCi/m3	U
2224	571519007	1/24/2022	Cesium-137	1.34E-04	2.28E-04	7.86E-04	pCi/m3	U
2224	575119010	2/22/2022	Cesium-137	2.05E-04	2.36E-04	8.17E-04	pCi/m3	U
2224	580222007	3/21/2022	Cesium-137	2.38E-05	2.34E-04	7.72E-04	pCi/m3	U
2224	582716007	4/18/2022	Cesium-137	2.24E-04	2.42E-04	8.47E-04	pCi/m3	U
2224	585173007	5/16/2022	Cesium-137	4.42E-04	3.87E-04	1.40E-03	pCi/m3	U
2224	587312010	6/13/2022	Cesium-137	-4.80E-05	3.49E-04	1.02E-03	pCi/m3	U
2224	592755008	7/11/2022	Cesium-137	4.06E-05	2.54E-04	8.41E-04	pCi/m3	U
2224	594667007	8/8/2022	Cesium-137	-1.47E-04	2.45E-04	7.39E-04	pCi/m3	U
2224	600159009	9/6/2022	Cesium-137	7.44E-05	2.73E-04	9.01E-04	pCi/m3	U
2224	600160010	10/3/2022	Cesium-137	-3.89E-04	3.67E-04	1.04E-03	pCi/m3	U
2224	606088009	10/31/2022	Cesium-137	4.24E-04	2.36E-04	8.96E-04	pCi/m3	U
2224	606540009	11/28/2022	Cesium-137	-3.92E-05	3.44E-04	1.08E-03	pCi/m3	U
2224	609503009	12/27/2022	Cesium-137	4.46E-05	2.35E-04	8.02E-04	pCi/m3	U
2224	571519007	1/24/2022	Chromium-51	-4.88E-03	3.87E-03	1.24E-02	pCi/m3	U
2224	575119010	2/22/2022	Chromium-51	-1.34E-03	4.20E-03	1.40E-02	pCi/m3	U
2224	580222007	3/21/2022	Chromium-51	-1.07E-02	5.80E-03	1.83E-02	pCi/m3	U
2224	582716007	4/18/2022	Chromium-51	-1.37E-02	7.21E-03	1.88E-02	pCi/m3	U
2224	585173007	5/16/2022	Chromium-51	-5.64E-04	5.71E-03	1.92E-02	pCi/m3	U
2224	587312010	6/13/2022	Chromium-51	3.71E-03	5.42E-03	1.85E-02	pCi/m3	U
2224	592755008	7/11/2022	Chromium-51	1.54E-02	9.82E-03	3.58E-02	pCi/m3	U
2224	594667007	8/8/2022	Chromium-51	-4.41E-03	5.57E-03	1.78E-02	pCi/m3	U
2224	600159009	9/6/2022	Chromium-51	-3.50E-03	6.79E-03	2.24E-02	pCi/m3	U
2224	600160010	10/3/2022	Chromium-51	1.44E-02	1.04E-02	2.05E-02	pCi/m3	U
2224	606088009	10/31/2022	Chromium-51	4.85E-03	7.95E-03	2.82E-02	pCi/m3	U
2224	606540009	11/28/2022	Chromium-51	-6.95E-03	5.97E-03	1.86E-02	pCi/m3	U
2224	609503009	12/27/2022	Chromium-51	1.02E-02	6.21E-03	1.26E-02	pCi/m3	U
2224	571519007	1/24/2022	Cobalt-57	-1.14E-04	1.30E-04	4.03E-04	pCi/m3	U
2224	575119010	2/22/2022	Cobalt-57	9.87E-05	1.34E-04	4.57E-04	pCi/m3	U
2224	580222007	3/21/2022	Cobalt-57	-1.86E-04	1.21E-04	3.68E-04	pCi/m3	U
2224	582716007	4/18/2022	Cobalt-57	1.71E-04	1.49E-04	5.02E-04	pCi/m3	U
2224	585173007	5/16/2022	Cobalt-57	-1.53E-04	1.14E-04	3.37E-04	pCi/m3	U
2224	587312010	6/13/2022	Cobalt-57	1.31E-04	1.42E-04	5.04E-04	pCi/m3	U
2224	592755008	7/11/2022	Cobalt-57	1.74E-04	1.42E-04	4.87E-04	pCi/m3	U
2224	594667007	8/8/2022	Cobalt-57	1.53E-04	1.48E-04	4.97E-04	pCi/m3	U
2224	600159009	9/6/2022	Cobalt-57	4.12E-05	1.30E-04	4.38E-04	pCi/m3	U
2224	600160010	10/3/2022	Cobalt-57	-2.37E-04	2.34E-04	7.21E-04	pCi/m3	U
2224	606088009	10/31/2022	Cobalt-57	-1.40E-05	1.45E-04	4.68E-04	pCi/m3	U
2224	606540009	11/28/2022	Cobalt-57	-1.20E-04	1.82E-04	5.52E-04	pCi/m3	U
2224	609503009	12/27/2022	Cobalt-57	1.50E-04	1.37E-04	4.83E-04	pCi/m3	U
2224	571519007	1/24/2022	Cobalt-58	3.79E-04	4.24E-04	9.61E-04	pCi/m3	U
2224	575119010	2/22/2022	Cobalt-58	4.98E-04	3.01E-04	1.17E-03	pCi/m3	U
2224	580222007	3/21/2022	Cobalt-58	2.40E-04	4.26E-04	1.43E-03	pCi/m3	U
2224	582716007	4/18/2022	Cobalt-58	8.23E-04	4.30E-04	1.63E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2224	585173007	5/16/2022	Cobalt-58	-2.56E-04	4.36E-04	1.37E-03	pCi/m3	U
2224	587312010	6/13/2022	Cobalt-58	-5.58E-04	3.69E-04	1.05E-03	pCi/m3	U
2224	592755008	7/11/2022	Cobalt-58	7.71E-05	4.69E-04	1.53E-03	pCi/m3	U
2224	594667007	8/8/2022	Cobalt-58	-2.63E-04	3.65E-04	1.05E-03	pCi/m3	U
2224	600159009	9/6/2022	Cobalt-58	-2.27E-04	3.98E-04	1.27E-03	pCi/m3	U
2224	600160010	10/3/2022	Cobalt-58	-4.04E-04	7.88E-04	2.08E-03	pCi/m3	U
2224	606088009	10/31/2022	Cobalt-58	2.89E-04	4.33E-04	1.50E-03	pCi/m3	U
2224	606540009	11/28/2022	Cobalt-58	-3.08E-04	4.20E-04	1.32E-03	pCi/m3	U
2224	609503009	12/27/2022	Cobalt-58	-4.15E-04	3.55E-04	1.02E-03	pCi/m3	U
2224	571519007	1/24/2022	Cobalt-60	-6.93E-05	2.62E-04	8.48E-04	pCi/m3	U
2224	575119010	2/22/2022	Cobalt-60	-1.62E-04	3.07E-04	9.23E-04	pCi/m3	U
2224	580222007	3/21/2022	Cobalt-60	0.00E+00	1.89E-04	6.32E-04	pCi/m3	U
2224	582716007	4/18/2022	Cobalt-60	-4.72E-05	2.83E-04	9.13E-04	pCi/m3	U
2224	585173007	5/16/2022	Cobalt-60	-2.79E-04	3.09E-04	7.86E-04	pCi/m3	U
2224	587312010	6/13/2022	Cobalt-60	2.28E-04	2.80E-04	1.02E-03	pCi/m3	U
2224	592755008	7/11/2022	Cobalt-60	6.08E-05	2.87E-04	9.81E-04	pCi/m3	U
2224	594667007	8/8/2022	Cobalt-60	-4.03E-04	2.89E-04	7.48E-04	pCi/m3	U
2224	600159009	9/6/2022	Cobalt-60	4.12E-05	2.78E-04	9.23E-04	pCi/m3	U
2224	600160010	10/3/2022	Cobalt-60	1.37E-03	6.32E-04	2.33E-03	pCi/m3	U
2224	606088009	10/31/2022	Cobalt-60	-2.36E-04	2.94E-04	8.77E-04	pCi/m3	U
2224	606540009	11/28/2022	Cobalt-60	-3.89E-05	3.13E-04	9.94E-04	pCi/m3	U
2224	609503009	12/27/2022	Cobalt-60	-1.76E-04	3.19E-04	9.27E-04	pCi/m3	U
2224	571519007	1/24/2022	Iron-59	4.93E-04	6.15E-04	2.30E-03	pCi/m3	U
2224	575119010	2/22/2022	Iron-59	2.06E-04	9.34E-04	3.15E-03	pCi/m3	U
2224	580222007	3/21/2022	Iron-59	-5.79E-04	8.56E-04	2.72E-03	pCi/m3	U
2224	582716007	4/18/2022	Iron-59	1.78E-04	9.54E-04	3.27E-03	pCi/m3	U
2224	585173007	5/16/2022	Iron-59	7.45E-04	1.21E-03	4.34E-03	pCi/m3	U
2224	587312010	6/13/2022	Iron-59	-8.69E-05	1.02E-03	3.37E-03	pCi/m3	U
2224	592755008	7/11/2022	Iron-59	3.01E-03	1.40E-03	5.64E-03	pCi/m3	U
2224	594667007	8/8/2022	Iron-59	-8.96E-04	9.90E-04	2.92E-03	pCi/m3	U
2224	600159009	9/6/2022	Iron-59	-1.90E-03	1.21E-03	3.04E-03	pCi/m3	U
2224	600160010	10/3/2022	Iron-59	8.54E-04	1.69E-03	5.95E-03	pCi/m3	U
2224	606088009	10/31/2022	Iron-59	-1.39E-03	1.05E-03	2.86E-03	pCi/m3	U
2224	606540009	11/28/2022	Iron-59	1.80E-03	1.16E-03	4.39E-03	pCi/m3	U
2224	609503009	12/27/2022	Iron-59	6.96E-04	9.43E-04	3.34E-03	pCi/m3	U
2224	571519007	1/24/2022	Lanthanum-140	2.05E-03	1.80E-03	7.10E-03	pCi/m3	U
2224	575119010	2/22/2022	Lanthanum-140	8.40E-03	3.24E-03	1.41E-02	pCi/m3	U
2224	580222007	3/21/2022	Lanthanum-140	1.77E-03	6.13E-03	1.87E-02	pCi/m3	U
2224	582716007	4/18/2022	Lanthanum-140	9.45E-04	9.59E-03	2.78E-02	pCi/m3	U
2224	585173007	5/16/2022	Lanthanum-140	2.04E-03	6.33E-03	2.25E-02	pCi/m3	U
2224	587312010	6/13/2022	Lanthanum-140	3.30E-04	3.60E-03	1.19E-02	pCi/m3	U
2224	592755008	7/11/2022	Lanthanum-140	-9.77E-03	1.12E-02	3.04E-02	pCi/m3	U
2224	594667007	8/8/2022	Lanthanum-140	6.68E-03	3.97E-03	1.69E-02	pCi/m3	U
2224	600159009	9/6/2022	Lanthanum-140	-4.50E-03	1.15E-02	3.66E-02	pCi/m3	U
2224	600160010	10/3/2022	Lanthanum-140	-3.85E-03	4.25E-03	1.16E-02	pCi/m3	U
2224	606088009	10/31/2022	Lanthanum-140	-5.63E-03	1.04E-02	3.11E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	606540009	11/28/2022	Lanthanum-140	-2.68E-03	3.99E-03	1.22E-02	pCi/m3	U
2224	609503009	12/27/2022	Lanthanum-140	3.59E-04	2.79E-03	9.62E-03	pCi/m3	U
2224	571519007	1/24/2022	Lead-210	2.49E-02	2.26E-02	7.96E-02	pCi/m3	U
2224	575119010	2/22/2022	Lead-210	3.49E-02	5.08E-02	1.64E-01	pCi/m3	U
2224	580222007	3/21/2022	Lead-210	2.97E-02	1.91E-02	5.99E-02	pCi/m3	U
2224	582716007	4/18/2022	Lead-210	2.48E-02	4.24E-02	1.43E-01	pCi/m3	U
2224	585173007	5/16/2022	Lead-210	2.41E-02	3.48E-03	5.30E-03	pCi/m3	
2224	587312010	6/13/2022	Lead-210	-8.14E-02	5.23E-02	1.42E-01	pCi/m3	U
2224	592755008	7/11/2022	Lead-210	4.13E-02	3.60E-02	6.65E-02	pCi/m3	U
2224	594667007	8/8/2022	Lead-210	-5.28E-02	4.95E-02	1.42E-01	pCi/m3	U
2224	600159009	9/6/2022	Lead-210	4.47E-02	2.23E-02	8.48E-02	pCi/m3	U
2224	600160010	10/3/2022	Lead-210	3.66E-02	6.04E-03	2.28E-02	pCi/m3	UI
2224	606088009	10/31/2022	Lead-210	8.60E-02	6.12E-02	1.49E-01	pCi/m3	U
2224	606540009	11/28/2022	Lead-210	-4.67E-02	4.92E-02	1.50E-01	pCi/m3	U
2224	609503009	12/27/2022	Lead-210	2.09E-02	4.84E-03	6.08E-03	pCi/m3	
2224	571519007	1/24/2022	Lead-212	1.58E-04	4.15E-04	1.36E-03	pCi/m3	U
2224	575119010	2/22/2022	Lead-212	5.25E-05	4.90E-04	1.07E-03	pCi/m3	U
2224	580222007	3/21/2022	Lead-212	4.83E-04	5.22E-04	1.31E-03	pCi/m3	U
2224	582716007	4/18/2022	Lead-212	8.84E-04	5.94E-04	1.63E-03	pCi/m3	U
2224	585173007	5/16/2022	Lead-212	6.93E-04	5.29E-04	1.06E-03	pCi/m3	U
2224	587312010	6/13/2022	Lead-212	1.89E-03	6.24E-04	1.07E-03	pCi/m3	
2224	592755008	7/11/2022	Lead-212	3.43E-04	5.98E-04	1.26E-03	pCi/m3	U
2224	594667007	8/8/2022	Lead-212	3.48E-05	7.66E-04	1.56E-03	pCi/m3	U
2224	600159009	9/6/2022	Lead-212	1.93E-04	5.61E-04	1.36E-03	pCi/m3	U
2224	600160010	10/3/2022	Lead-212	1.28E-03	9.07E-04	2.39E-03	pCi/m3	U
2224	606088009	10/31/2022	Lead-212	8.49E-04	5.93E-04	1.49E-03	pCi/m3	U
2224	606540009	11/28/2022	Lead-212	2.17E-03	6.71E-04	1.38E-03	pCi/m3	
2224	609503009	12/27/2022	Lead-212	9.59E-04	6.53E-04	1.22E-03	pCi/m3	U
2224	571519007	1/24/2022	Lead-214	3.53E-03	9.78E-04	2.26E-03	pCi/m3	
2224	575119010	2/22/2022	Lead-214	-4.99E-05	5.61E-04	1.82E-03	pCi/m3	U
2224	580222007	3/21/2022	Lead-214	4.04E-04	4.88E-04	1.55E-03	pCi/m3	U
2224	582716007	4/18/2022	Lead-214	-1.04E-04	5.78E-04	1.80E-03	pCi/m3	U
2224	585173007	5/16/2022	Lead-214	-6.00E-04	5.67E-04	1.64E-03	pCi/m3	U
2224	587312010	6/13/2022	Lead-214	-3.28E-04	6.14E-04	1.89E-03	pCi/m3	U
2224	592755008	7/11/2022	Lead-214	6.72E-04	7.81E-04	1.91E-03	pCi/m3	U
2224	594667007	8/8/2022	Lead-214	3.91E-04	6.19E-04	1.75E-03	pCi/m3	U
2224	600159009	9/6/2022	Lead-214	2.11E-04	4.28E-04	1.49E-03	pCi/m3	U
2224	600160010	10/3/2022	Lead-214	5.47E-04	1.51E-03	3.10E-03	pCi/m3	U
2224	606088009	10/31/2022	Lead-214	1.07E-03	5.11E-04	1.65E-03	pCi/m3	U
2224	606540009	11/28/2022	Lead-214	2.06E-03	9.32E-04	2.57E-03	pCi/m3	U
2224	609503009	12/27/2022	Lead-214	9.45E-04	6.38E-04	2.18E-03	pCi/m3	U
2224	571519007	1/24/2022	Manganese-54	-1.79E-04	3.12E-04	9.58E-04	pCi/m3	U
2224	575119010	2/22/2022	Manganese-54	1.26E-04	1.96E-04	7.08E-04	pCi/m3	U
2224	580222007	3/21/2022	Manganese-54	4.14E-04	2.73E-04	9.67E-04	pCi/m3	U
2224	582716007	4/18/2022	Manganese-54	2.89E-04	2.97E-04	1.03E-03	pCi/m3	U
2224	585173007	5/16/2022	Manganese-54	3.08E-04	3.46E-04	1.27E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	587312010	6/13/2022	Manganese-54	3.65E-04	2.80E-04	1.05E-03	pCi/m3	U
2224	592755008	7/11/2022	Manganese-54	-1.64E-04	2.52E-04	7.51E-04	pCi/m3	U
2224	594667007	8/8/2022	Manganese-54	-4.50E-04	3.10E-04	8.23E-04	pCi/m3	U
2224	600159009	9/6/2022	Manganese-54	2.54E-04	2.52E-04	9.36E-04	pCi/m3	U
2224	600160010	10/3/2022	Manganese-54	5.66E-04	3.56E-04	1.46E-03	pCi/m3	U
2224	606088009	10/31/2022	Manganese-54	-8.25E-05	2.69E-04	8.36E-04	pCi/m3	U
2224	606540009	11/28/2022	Manganese-54	-5.81E-05	3.07E-04	1.01E-03	pCi/m3	U
2224	609503009	12/27/2022	Manganese-54	-2.22E-04	2.37E-04	6.91E-04	pCi/m3	U
2224	571519007	1/24/2022	Molybdenum-99	-1.87E+01	3.47E+01	0.00E+00	pCi/m3	U
2224	575119010	2/22/2022	Molybdenum-99	8.86E+00	1.02E+02	0.00E+00	pCi/m3	UI
2224	580222007	3/21/2022	Molybdenum-99	4.88E+02	4.57E+03	0.00E+00	pCi/m3	UI
2224	582716007	4/18/2022	Molybdenum-99	-4.71E+03	5.90E+03	0.00E+00	pCi/m3	U
2224	585173007	5/16/2022	Molybdenum-99	-3.60E+02	9.41E+02	0.00E+00	pCi/m3	U
2224	587312010	6/13/2022	Molybdenum-99	-1.60E+02	1.45E+02	0.00E+00	pCi/m3	U
2224	592755008	7/11/2022	Molybdenum-99	1.89E+05	1.05E+05	0.00E+00	pCi/m3	UI
2224	594667007	8/8/2022	Molybdenum-99	1.37E+02	8.02E+02	0.00E+00	pCi/m3	UI
2224	600159009	9/6/2022	Molybdenum-99	-2.27E+04	2.97E+04	0.00E+00	pCi/m3	U
2224	600160010	10/3/2022	Molybdenum-99	1.93E+01	5.67E+01	0.00E+00	pCi/m3	UI
2224	606088009	10/31/2022	Molybdenum-99	1.03E+04	2.92E+04	0.00E+00	pCi/m3	UI
2224	606540009	11/28/2022	Molybdenum-99	-3.03E+02	1.88E+02	0.00E+00	pCi/m3	U
2224	609503009	12/27/2022	Molybdenum-99	-1.42E+01	6.86E+01	0.00E+00	pCi/m3	U
2224	571519007	1/24/2022	Niobium-95	-6.98E-04	3.78E-04	9.29E-04	pCi/m3	U
2224	575119010	2/22/2022	Niobium-95	-2.63E-05	3.27E-04	1.10E-03	pCi/m3	U
2224	580222007	3/21/2022	Niobium-95	-3.05E-04	3.78E-04	1.15E-03	pCi/m3	U
2224	582716007	4/18/2022	Niobium-95	6.58E-04	4.90E-04	1.63E-03	pCi/m3	U
2224	585173007	5/16/2022	Niobium-95	-7.14E-04	4.35E-04	1.17E-03	pCi/m3	U
2224	587312010	6/13/2022	Niobium-95	1.06E-03	4.75E-04	1.21E-03	pCi/m3	U
2224	592755008	7/11/2022	Niobium-95	-4.00E-05	4.59E-04	1.47E-03	pCi/m3	U
2224	594667007	8/8/2022	Niobium-95	2.66E-04	5.67E-04	1.82E-03	pCi/m3	U
2224	600159009	9/6/2022	Niobium-95	3.04E-04	5.65E-04	1.88E-03	pCi/m3	U
2224	600160010	10/3/2022	Niobium-95	1.05E-03	6.99E-04	2.54E-03	pCi/m3	U
2224	606088009	10/31/2022	Niobium-95	6.27E-04	3.96E-04	1.44E-03	pCi/m3	U
2224	606540009	11/28/2022	Niobium-95	5.16E-04	3.86E-04	1.36E-03	pCi/m3	U
2224	609503009	12/27/2022	Niobium-95	-2.73E-04	3.73E-04	1.15E-03	pCi/m3	U
2224	571519007	1/24/2022	Potassium-40	5.20E-03	5.19E-03	6.55E-03	pCi/m3	U
2224	575119010	2/22/2022	Potassium-40	6.56E-03	3.18E-03	8.00E-03	pCi/m3	U
2224	580222007	3/21/2022	Potassium-40	2.09E-03	3.93E-03	7.50E-03	pCi/m3	U
2224	582716007	4/18/2022	Potassium-40	5.83E-03	4.74E-03	7.29E-03	pCi/m3	U
2224	585173007	5/16/2022	Potassium-40	-2.04E-03	3.89E-03	1.38E-02	pCi/m3	U
2224	587312010	6/13/2022	Potassium-40	1.70E-02	4.84E-03	6.35E-03	pCi/m3	U
2224	592755008	7/11/2022	Potassium-40	1.64E-02	5.53E-03	4.42E-03	pCi/m3	U
2224	594667007	8/8/2022	Potassium-40	1.68E-02	5.91E-03	8.31E-03	pCi/m3	U
2224	600159009	9/6/2022	Potassium-40	1.90E-02	4.88E-03	1.01E-02	pCi/m3	UI
2224	600160010	10/3/2022	Potassium-40	1.07E-02	1.01E-02	1.56E-02	pCi/m3	U
2224	606088009	10/31/2022	Potassium-40	2.29E-02	5.78E-03	8.96E-03	pCi/m3	UI
2224	606540009	11/28/2022	Potassium-40	8.48E-04	6.18E-03	1.13E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	609503009	12/27/2022	Potassium-40	3.34E-03	5.05E-03	8.85E-03	pCi/m3	U
2224	571519007	1/24/2022	Radium-226	1.85E-03	7.16E-04	2.56E-03	pCi/m3	U
2224	575119010	2/22/2022	Radium-226	5.96E-05	8.77E-04	2.18E-03	pCi/m3	U
2224	580222007	3/21/2022	Radium-226	6.19E-04	8.01E-04	1.18E-03	pCi/m3	U
2224	582716007	4/18/2022	Radium-226	1.04E-03	6.53E-04	1.96E-03	pCi/m3	U
2224	585173007	5/16/2022	Radium-226	-7.06E-04	6.74E-04	2.05E-03	pCi/m3	U
2224	587312010	6/13/2022	Radium-226	9.40E-04	6.74E-04	2.24E-03	pCi/m3	U
2224	592755008	7/11/2022	Radium-226	1.67E-03	1.13E-03	1.38E-03	pCi/m3	UI
2224	594667007	8/8/2022	Radium-226	-1.82E-04	7.19E-04	2.19E-03	pCi/m3	U
2224	600159009	9/6/2022	Radium-226	2.11E-04	4.28E-04	1.49E-03	pCi/m3	U
2224	600160010	10/3/2022	Radium-226	5.47E-04	1.51E-03	3.10E-03	pCi/m3	U
2224	606088009	10/31/2022	Radium-226	1.07E-03	5.11E-04	1.65E-03	pCi/m3	U
2224	606540009	11/28/2022	Radium-226	2.06E-03	9.32E-04	2.57E-03	pCi/m3	U
2224	609503009	12/27/2022	Radium-226	9.45E-04	6.38E-04	2.18E-03	pCi/m3	U
2224	571519007	1/24/2022	Radium-228	-4.04E-04	1.29E-03	3.92E-03	pCi/m3	U
2224	575119010	2/22/2022	Radium-228	3.26E-03	1.87E-03	4.34E-03	pCi/m3	U
2224	580222007	3/21/2022	Radium-228	7.21E-04	1.08E-03	3.38E-03	pCi/m3	U
2224	582716007	4/18/2022	Radium-228	4.78E-04	1.53E-03	4.47E-03	pCi/m3	U
2224	585173007	5/16/2022	Radium-228	3.62E-04	1.25E-03	4.32E-03	pCi/m3	U
2224	587312010	6/13/2022	Radium-228	1.26E-03	9.21E-04	3.50E-03	pCi/m3	U
2224	592755008	7/11/2022	Radium-228	-1.23E-03	1.10E-03	3.44E-03	pCi/m3	U
2224	594667007	8/8/2022	Radium-228	4.03E-04	1.32E-03	4.36E-03	pCi/m3	U
2224	600159009	9/6/2022	Radium-228	3.83E-04	1.24E-03	4.27E-03	pCi/m3	U
2224	600160010	10/3/2022	Radium-228	-1.61E-03	2.27E-03	7.72E-03	pCi/m3	U
2224	606088009	10/31/2022	Radium-228	-1.51E-03	1.14E-03	3.50E-03	pCi/m3	U
2224	606540009	11/28/2022	Radium-228	4.30E-03	2.22E-03	6.27E-03	pCi/m3	U
2224	609503009	12/27/2022	Radium-228	2.81E-03	1.55E-03	5.24E-03	pCi/m3	U
2224	571519007	1/24/2022	Ruthenium-103	1.86E-05	4.04E-04	1.36E-03	pCi/m3	U
2224	575119010	2/22/2022	Ruthenium-103	-6.77E-06	3.45E-04	1.13E-03	pCi/m3	U
2224	580222007	3/21/2022	Ruthenium-103	3.60E-04	4.70E-04	1.64E-03	pCi/m3	U
2224	582716007	4/18/2022	Ruthenium-103	1.12E-04	5.71E-04	1.90E-03	pCi/m3	U
2224	585173007	5/16/2022	Ruthenium-103	1.40E-04	5.16E-04	1.74E-03	pCi/m3	U
2224	587312010	6/13/2022	Ruthenium-103	4.49E-04	4.78E-04	1.52E-03	pCi/m3	U
2224	592755008	7/11/2022	Ruthenium-103	2.24E-04	6.50E-04	2.21E-03	pCi/m3	U
2224	594667007	8/8/2022	Ruthenium-103	7.47E-05	4.71E-04	1.57E-03	pCi/m3	U
2224	600159009	9/6/2022	Ruthenium-103	4.25E-05	5.96E-04	1.77E-03	pCi/m3	U
2224	600160010	10/3/2022	Ruthenium-103	8.72E-04	7.68E-04	2.74E-03	pCi/m3	U
2224	606088009	10/31/2022	Ruthenium-103	-7.28E-04	5.97E-04	1.78E-03	pCi/m3	U
2224	606540009	11/28/2022	Ruthenium-103	-4.60E-05	5.20E-04	1.67E-03	pCi/m3	U
2224	609503009	12/27/2022	Ruthenium-103	-1.95E-04	4.75E-04	1.58E-03	pCi/m3	U
2224	571519007	1/24/2022	Ruthenium-106	-6.17E-04	2.42E-03	7.81E-03	pCi/m3	U
2224	575119010	2/22/2022	Ruthenium-106	-1.98E-04	2.07E-03	6.61E-03	pCi/m3	U
2224	580222007	3/21/2022	Ruthenium-106	3.12E-03	2.01E-03	7.21E-03	pCi/m3	U
2224	582716007	4/18/2022	Ruthenium-106	-2.77E-04	2.27E-03	7.24E-03	pCi/m3	U
2224	585173007	5/16/2022	Ruthenium-106	-2.63E-03	2.34E-03	6.35E-03	pCi/m3	U
2224	587312010	6/13/2022	Ruthenium-106	1.79E-03	2.41E-03	7.49E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2224	592755008	7/11/2022	Ruthenium-106	-2.11E-03	2.75E-03	7.42E-03	pCi/m3	U
2224	594667007	8/8/2022	Ruthenium-106	8.39E-04	2.09E-03	7.02E-03	pCi/m3	U
2224	600159009	9/6/2022	Ruthenium-106	-8.78E-04	2.13E-03	6.60E-03	pCi/m3	U
2224	600160010	10/3/2022	Ruthenium-106	6.57E-04	4.04E-03	1.28E-02	pCi/m3	U
2224	606088009	10/31/2022	Ruthenium-106	-1.83E-03	1.97E-03	5.82E-03	pCi/m3	U
2224	606540009	11/28/2022	Ruthenium-106	1.95E-03	2.67E-03	9.04E-03	pCi/m3	U
2224	609503009	12/27/2022	Ruthenium-106	3.13E-04	2.29E-03	7.81E-03	pCi/m3	U
2224	571519007	1/24/2022	Selenium-75	6.04E-04	3.29E-04	1.14E-03	pCi/m3	U
2224	575119010	2/22/2022	Selenium-75	5.58E-04	2.89E-04	1.09E-03	pCi/m3	U
2224	580222007	3/21/2022	Selenium-75	-3.47E-04	2.91E-04	8.51E-04	pCi/m3	U
2224	582716007	4/18/2022	Selenium-75	-4.47E-04	3.51E-04	9.57E-04	pCi/m3	U
2224	585173007	5/16/2022	Selenium-75	-9.69E-05	3.07E-04	1.03E-03	pCi/m3	U
2224	587312010	6/13/2022	Selenium-75	1.10E-04	3.26E-04	1.10E-03	pCi/m3	U
2224	592755008	7/11/2022	Selenium-75	-4.18E-05	3.29E-04	1.12E-03	pCi/m3	U
2224	594667007	8/8/2022	Selenium-75	9.34E-05	3.09E-04	1.07E-03	pCi/m3	U
2224	600159009	9/6/2022	Selenium-75	2.61E-05	3.40E-04	1.07E-03	pCi/m3	U
2224	600160010	10/3/2022	Selenium-75	5.73E-06	4.81E-04	1.66E-03	pCi/m3	U
2224	606088009	10/31/2022	Selenium-75	-1.35E-04	3.81E-04	1.16E-03	pCi/m3	U
2224	606540009	11/28/2022	Selenium-75	-8.21E-04	4.06E-04	1.23E-03	pCi/m3	U
2224	609503009	12/27/2022	Selenium-75	1.02E-04	3.47E-04	1.14E-03	pCi/m3	U
2224	571519007	1/24/2022	Silver-108m	-3.85E-04	2.71E-04	6.99E-04	pCi/m3	U
2224	575119010	2/22/2022	Silver-108m	2.78E-04	1.79E-04	6.57E-04	pCi/m3	U
2224	580222007	3/21/2022	Silver-108m	-1.77E-04	2.00E-04	5.87E-04	pCi/m3	U
2224	582716007	4/18/2022	Silver-108m	-6.40E-06	1.97E-04	6.50E-04	pCi/m3	U
2224	585173007	5/16/2022	Silver-108m	9.49E-05	1.83E-04	6.33E-04	pCi/m3	U
2224	587312010	6/13/2022	Silver-108m	-1.88E-04	1.89E-04	5.61E-04	pCi/m3	U
2224	592755008	7/11/2022	Silver-108m	-5.21E-06	1.75E-04	5.84E-04	pCi/m3	U
2224	594667007	8/8/2022	Silver-108m	4.37E-04	1.95E-04	7.43E-04	pCi/m3	U
2224	600159009	9/6/2022	Silver-108m	-4.46E-04	1.88E-04	5.10E-04	pCi/m3	U
2224	600160010	10/3/2022	Silver-108m	6.80E-05	3.16E-04	1.07E-03	pCi/m3	U
2224	606088009	10/31/2022	Silver-108m	8.54E-05	1.58E-04	5.56E-04	pCi/m3	U
2224	606540009	11/28/2022	Silver-108m	-6.11E-05	2.76E-04	8.87E-04	pCi/m3	U
2224	609503009	12/27/2022	Silver-108m	-4.80E-05	2.14E-04	6.53E-04	pCi/m3	U
2224	571519007	1/24/2022	Silver-110m	4.98E-04	3.72E-04	1.35E-03	pCi/m3	U
2224	575119010	2/22/2022	Silver-110m	1.44E-04	3.50E-04	1.22E-03	pCi/m3	U
2224	580222007	3/21/2022	Silver-110m	-4.04E-04	3.73E-04	1.10E-03	pCi/m3	U
2224	582716007	4/18/2022	Silver-110m	-2.06E-04	4.25E-04	1.38E-03	pCi/m3	U
2224	585173007	5/16/2022	Silver-110m	-2.77E-04	4.68E-04	1.46E-03	pCi/m3	U
2224	587312010	6/13/2022	Silver-110m	-4.82E-04	3.89E-04	1.15E-03	pCi/m3	U
2224	592755008	7/11/2022	Silver-110m	-1.55E-04	3.80E-04	1.16E-03	pCi/m3	U
2224	594667007	8/8/2022	Silver-110m	1.32E-04	4.12E-04	1.44E-03	pCi/m3	U
2224	600159009	9/6/2022	Silver-110m	-5.37E-04	3.31E-04	8.73E-04	pCi/m3	U
2224	600160010	10/3/2022	Silver-110m	3.20E-04	7.21E-04	2.40E-03	pCi/m3	U
2224	606088009	10/31/2022	Silver-110m	1.84E-04	4.25E-04	1.43E-03	pCi/m3	U
2224	606540009	11/28/2022	Silver-110m	5.81E-04	4.42E-04	1.53E-03	pCi/m3	U
2224	609503009	12/27/2022	Silver-110m	3.41E-05	3.63E-04	1.21E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	571519007	1/24/2022	Tellurium-132	-1.14E+00	6.42E-01	0.00E+00	pCi/m3	U
2224	575119010	2/22/2022	Tellurium-132	1.61E+00	1.61E+00	0.00E+00	pCi/m3	UI
2224	580222007	3/21/2022	Tellurium-132	-6.73E+01	4.53E+01	0.00E+00	pCi/m3	U
2224	582716007	4/18/2022	Tellurium-132	1.03E+01	5.92E+01	0.00E+00	pCi/m3	UI
2224	585173007	5/16/2022	Tellurium-132	5.87E+00	1.15E+01	0.00E+00	pCi/m3	UI
2224	587312010	6/13/2022	Tellurium-132	5.20E-01	3.15E+00	0.00E+00	pCi/m3	UI
2224	592755008	7/11/2022	Tellurium-132	4.23E+02	9.76E+02	0.00E+00	pCi/m3	UI
2224	594667007	8/8/2022	Tellurium-132	-1.39E+00	1.17E+01	0.00E+00	pCi/m3	U
2224	600159009	9/6/2022	Tellurium-132	6.55E+01	2.14E+02	0.00E+00	pCi/m3	UI
2224	600160010	10/3/2022	Tellurium-132	1.02E+00	1.31E+00	0.00E+00	pCi/m3	UI
2224	606088009	10/31/2022	Tellurium-132	7.62E+02	4.10E+02	0.00E+00	pCi/m3	UI
2224	606540009	11/28/2022	Tellurium-132	-2.80E+00	2.69E+00	0.00E+00	pCi/m3	U
2224	609503009	12/27/2022	Tellurium-132	1.07E+01	5.34E+00	0.00E+00	pCi/m3	UI
2224	571519007	1/24/2022	Thallium-208	3.34E-04	4.04E-04	7.88E-04	pCi/m3	U
2224	575119010	2/22/2022	Thallium-208	6.44E-04	4.46E-04	6.04E-04	pCi/m3	UI
2224	580222007	3/21/2022	Thallium-208	8.52E-04	4.91E-04	6.32E-04	pCi/m3	UI
2224	582716007	4/18/2022	Thallium-208	8.59E-04	4.44E-04	6.98E-04	pCi/m3	UI
2224	585173007	5/16/2022	Thallium-208	1.33E-04	3.13E-04	1.05E-03	pCi/m3	U
2224	587312010	6/13/2022	Thallium-208	-1.26E-04	3.09E-04	9.62E-04	pCi/m3	U
2224	592755008	7/11/2022	Thallium-208	-7.36E-04	2.76E-04	7.20E-04	pCi/m3	U
2224	594667007	8/8/2022	Thallium-208	-4.88E-04	2.92E-04	8.65E-04	pCi/m3	U
2224	600159009	9/6/2022	Thallium-208	-2.24E-05	3.09E-04	9.53E-04	pCi/m3	U
2224	600160010	10/3/2022	Thallium-208	1.63E-03	9.60E-04	1.40E-03	pCi/m3	UI
2224	606088009	10/31/2022	Thallium-208	-1.91E-04	2.79E-04	8.56E-04	pCi/m3	U
2224	606540009	11/28/2022	Thallium-208	5.44E-04	3.89E-04	1.30E-03	pCi/m3	U
2224	609503009	12/27/2022	Thallium-208	7.14E-04	4.55E-04	6.43E-04	pCi/m3	UI
2224	571519007	1/24/2022	Thorium-228	1.58E-04	4.15E-04	1.36E-03	pCi/m3	U
2224	575119010	2/22/2022	Thorium-228	5.25E-05	4.90E-04	1.07E-03	pCi/m3	U
2224	580222007	3/21/2022	Thorium-228	4.83E-04	5.22E-04	1.31E-03	pCi/m3	U
2224	582716007	4/18/2022	Thorium-228	8.84E-04	5.94E-04	1.63E-03	pCi/m3	U
2224	585173007	5/16/2022	Thorium-228	6.93E-04	5.29E-04	1.06E-03	pCi/m3	U
2224	587312010	6/13/2022	Thorium-228	1.89E-03	6.24E-04	1.07E-03	pCi/m3	
2224	592755008	7/11/2022	Thorium-228	3.43E-04	5.98E-04	1.26E-03	pCi/m3	U
2224	594667007	8/8/2022	Thorium-228	3.48E-05	7.66E-04	1.56E-03	pCi/m3	U
2224	600159009	9/6/2022	Thorium-228	1.93E-04	5.61E-04	1.36E-03	pCi/m3	U
2224	600160010	10/3/2022	Thorium-228	1.28E-03	9.07E-04	2.39E-03	pCi/m3	U
2224	606088009	10/31/2022	Thorium-228	8.49E-04	5.93E-04	1.49E-03	pCi/m3	U
2224	606540009	11/28/2022	Thorium-228	2.17E-03	6.71E-04	1.38E-03	pCi/m3	
2224	609503009	12/27/2022	Thorium-228	9.59E-04	6.53E-04	1.22E-03	pCi/m3	U
2224	571519007	1/24/2022	Thorium-230	1.85E-03	7.16E-04	2.56E-03	pCi/m3	U
2224	575119010	2/22/2022	Thorium-230	5.96E-05	8.77E-04	2.18E-03	pCi/m3	U
2224	580222007	3/21/2022	Thorium-230	6.19E-04	8.01E-04	1.18E-03	pCi/m3	U
2224	582716007	4/18/2022	Thorium-230	1.04E-03	6.53E-04	1.96E-03	pCi/m3	U
2224	585173007	5/16/2022	Thorium-230	-7.06E-04	6.74E-04	2.05E-03	pCi/m3	U
2224	587312010	6/13/2022	Thorium-230	9.40E-04	6.74E-04	2.24E-03	pCi/m3	U
2224	592755008	7/11/2022	Thorium-230	1.66E-03	1.13E-03	1.38E-03	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	594667007	8/8/2022	Thorium-230	-1.82E-04	7.19E-04	2.19E-03	pCi/m3	U
2224	600159009	9/6/2022	Thorium-230	2.11E-04	4.28E-04	1.49E-03	pCi/m3	U
2224	600160010	10/3/2022	Thorium-230	5.47E-04	1.51E-03	3.10E-03	pCi/m3	U
2224	606088009	10/31/2022	Thorium-230	1.07E-03	5.11E-04	1.65E-03	pCi/m3	U
2224	606540009	11/28/2022	Thorium-230	2.06E-03	9.32E-04	2.57E-03	pCi/m3	U
2224	609503009	12/27/2022	Thorium-230	9.45E-04	6.38E-04	2.18E-03	pCi/m3	U
2224	571519007	1/24/2022	Thorium-232	-4.04E-04	1.29E-03	3.92E-03	pCi/m3	U
2224	575119010	2/22/2022	Thorium-232	3.26E-03	1.87E-03	4.34E-03	pCi/m3	U
2224	580222007	3/21/2022	Thorium-232	7.21E-04	1.08E-03	3.38E-03	pCi/m3	U
2224	582716007	4/18/2022	Thorium-232	4.78E-04	1.53E-03	4.47E-03	pCi/m3	U
2224	585173007	5/16/2022	Thorium-232	3.62E-04	1.25E-03	4.32E-03	pCi/m3	U
2224	587312010	6/13/2022	Thorium-232	1.26E-03	9.21E-04	3.50E-03	pCi/m3	U
2224	592755008	7/11/2022	Thorium-232	-1.23E-03	1.10E-03	3.44E-03	pCi/m3	U
2224	594667007	8/8/2022	Thorium-232	4.03E-04	1.32E-03	4.36E-03	pCi/m3	U
2224	600159009	9/6/2022	Thorium-232	3.83E-04	1.24E-03	4.27E-03	pCi/m3	U
2224	600160010	10/3/2022	Thorium-232	-1.61E-03	2.27E-03	7.72E-03	pCi/m3	U
2224	606088009	10/31/2022	Thorium-232	-1.51E-03	1.14E-03	3.50E-03	pCi/m3	U
2224	606540009	11/28/2022	Thorium-232	4.30E-03	2.22E-03	6.27E-03	pCi/m3	U
2224	609503009	12/27/2022	Thorium-232	2.81E-03	1.55E-03	5.24E-03	pCi/m3	U
2224	571519007	1/24/2022	Thorium-234	-6.92E-04	7.38E-03	2.43E-02	pCi/m3	U
2224	575119010	2/22/2022	Thorium-234	-8.72E-04	1.01E-02	3.50E-02	pCi/m3	U
2224	580222007	3/21/2022	Thorium-234	9.70E-03	1.06E-02	1.54E-02	pCi/m3	U
2224	582716007	4/18/2022	Thorium-234	1.46E-02	2.05E-02	2.73E-02	pCi/m3	U
2224	585173007	5/16/2022	Thorium-234	2.29E-04	1.72E-03	5.86E-03	pCi/m3	U
2224	587312010	6/13/2022	Thorium-234	-3.88E-03	1.31E-02	4.10E-02	pCi/m3	U
2224	592755008	7/11/2022	Thorium-234	2.24E-02	1.11E-02	1.81E-02	pCi/m3	UI
2224	594667007	8/8/2022	Thorium-234	-1.12E-02	1.31E-02	4.13E-02	pCi/m3	U
2224	600159009	9/6/2022	Thorium-234	1.18E-02	9.78E-03	1.83E-02	pCi/m3	U
2224	600160010	10/3/2022	Thorium-234	-9.50E-03	9.02E-03	2.69E-02	pCi/m3	U
2224	606088009	10/31/2022	Thorium-234	-7.38E-03	1.05E-02	3.44E-02	pCi/m3	U
2224	606540009	11/28/2022	Thorium-234	1.25E-02	1.42E-02	5.05E-02	pCi/m3	U
2224	609503009	12/27/2022	Thorium-234	-1.88E-03	2.76E-03	9.10E-03	pCi/m3	U
2224	571519007	1/24/2022	Uranium-234	1.85E-03	7.16E-04	2.56E-03	pCi/m3	U
2224	575119010	2/22/2022	Uranium-234	5.96E-05	8.77E-04	2.18E-03	pCi/m3	U
2224	580222007	3/21/2022	Uranium-234	6.19E-04	8.01E-04	1.18E-03	pCi/m3	U
2224	582716007	4/18/2022	Uranium-234	1.04E-03	6.53E-04	1.96E-03	pCi/m3	U
2224	585173007	5/16/2022	Uranium-234	-7.06E-04	6.74E-04	2.05E-03	pCi/m3	U
2224	587312010	6/13/2022	Uranium-234	9.40E-04	6.74E-04	2.24E-03	pCi/m3	U
2224	592755008	7/11/2022	Uranium-234	1.66E-03	1.13E-03	1.38E-03	pCi/m3	UI
2224	594667007	8/8/2022	Uranium-234	-1.82E-04	7.19E-04	2.19E-03	pCi/m3	U
2224	600159009	9/6/2022	Uranium-234	2.11E-04	4.28E-04	1.49E-03	pCi/m3	U
2224	600160010	10/3/2022	Uranium-234	5.47E-04	1.51E-03	3.10E-03	pCi/m3	U
2224	606088009	10/31/2022	Uranium-234	1.07E-03	5.11E-04	1.65E-03	pCi/m3	U
2224	606540009	11/28/2022	Uranium-234	2.06E-03	9.32E-04	2.57E-03	pCi/m3	U
2224	609503009	12/27/2022	Uranium-234	9.45E-04	6.38E-04	2.18E-03	pCi/m3	U
2224	571519007	1/24/2022	Zinc-65	2.97E-04	5.13E-04	1.85E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	575119010	2/22/2022	Zinc-65	1.16E-03	6.16E-04	2.29E-03	pCi/m3	U
2224	580222007	3/21/2022	Zinc-65	-3.89E-04	4.84E-04	1.52E-03	pCi/m3	U
2224	582716007	4/18/2022	Zinc-65	7.75E-05	5.82E-04	1.98E-03	pCi/m3	U
2224	585173007	5/16/2022	Zinc-65	-1.72E-05	7.05E-04	2.31E-03	pCi/m3	U
2224	587312010	6/13/2022	Zinc-65	9.37E-04	5.79E-04	2.47E-03	pCi/m3	U
2224	592755008	7/11/2022	Zinc-65	6.80E-04	5.87E-04	2.21E-03	pCi/m3	U
2224	594667007	8/8/2022	Zinc-65	-2.53E-04	6.53E-04	2.09E-03	pCi/m3	U
2224	600159009	9/6/2022	Zinc-65	-5.33E-04	8.05E-04	2.08E-03	pCi/m3	U
2224	600160010	10/3/2022	Zinc-65	8.13E-05	1.21E-03	4.09E-03	pCi/m3	U
2224	606088009	10/31/2022	Zinc-65	8.27E-04	5.77E-04	2.27E-03	pCi/m3	U
2224	606540009	11/28/2022	Zinc-65	-1.02E-04	9.87E-04	2.80E-03	pCi/m3	U
2224	609503009	12/27/2022	Zinc-65	8.15E-04	5.77E-04	2.21E-03	pCi/m3	U
2224	571519007	1/24/2022	Zirconium-95	-8.90E-05	6.13E-04	1.96E-03	pCi/m3	U
2224	575119010	2/22/2022	Zirconium-95	8.53E-04	6.10E-04	2.21E-03	pCi/m3	U
2224	580222007	3/21/2022	Zirconium-95	2.07E-03	1.21E-03	2.60E-03	pCi/m3	U
2224	582716007	4/18/2022	Zirconium-95	9.75E-04	7.42E-04	2.53E-03	pCi/m3	U
2224	585173007	5/16/2022	Zirconium-95	-9.67E-07	6.86E-04	2.33E-03	pCi/m3	U
2224	587312010	6/13/2022	Zirconium-95	1.98E-04	6.10E-04	2.13E-03	pCi/m3	U
2224	592755008	7/11/2022	Zirconium-95	-1.17E-04	8.57E-04	2.74E-03	pCi/m3	U
2224	594667007	8/8/2022	Zirconium-95	6.34E-04	7.25E-04	2.53E-03	pCi/m3	U
2224	600159009	9/6/2022	Zirconium-95	8.46E-04	6.42E-04	2.41E-03	pCi/m3	U
2224	600160010	10/3/2022	Zirconium-95	8.30E-04	1.12E-03	3.88E-03	pCi/m3	U
2224	606088009	10/31/2022	Zirconium-95	-7.24E-05	8.69E-04	2.49E-03	pCi/m3	U
2224	606540009	11/28/2022	Zirconium-95	3.05E-04	8.56E-04	2.97E-03	pCi/m3	U
2224	609503009	12/27/2022	Zirconium-95	1.65E-03	8.03E-04	2.31E-03	pCi/m3	U
2225	571519008	1/24/2022	Actinium-228	2.20E-03	1.37E-03	4.47E-03	pCi/m3	U
2225	575119009	2/22/2022	Actinium-228	2.07E-03	1.82E-03	4.66E-03	pCi/m3	U
2225	580222008	3/21/2022	Actinium-228	3.38E-03	1.35E-03	3.70E-03	pCi/m3	U
2225	582716008	4/18/2022	Actinium-228	1.17E-03	1.69E-03	6.16E-03	pCi/m3	U
2225	585173008	5/16/2022	Actinium-228	1.91E-03	1.31E-03	4.37E-03	pCi/m3	U
2225	587312008	6/13/2022	Actinium-228	2.00E-03	2.84E-03	6.87E-03	pCi/m3	U
2225	592755009	7/11/2022	Actinium-228	-1.96E-03	1.53E-03	4.27E-03	pCi/m3	U
2225	594667008	8/8/2022	Actinium-228	-1.04E-03	1.32E-03	4.24E-03	pCi/m3	U
2225	600159010	9/6/2022	Actinium-228	-3.52E-03	1.13E-03	2.89E-03	pCi/m3	U
2225	600160008	10/3/2022	Actinium-228	4.09E-05	2.27E-03	6.07E-03	pCi/m3	U
2225	606088010	10/31/2022	Actinium-228	-1.60E-03	1.34E-03	4.21E-03	pCi/m3	U
2225	606540010	11/28/2022	Actinium-228	-1.60E-03	1.35E-03	3.75E-03	pCi/m3	U
2225	609503010	12/27/2022	Actinium-228	2.58E-04	1.21E-03	3.84E-03	pCi/m3	U
2225	571519008	1/24/2022	Americium-241	1.75E-03	1.45E-03	4.58E-03	pCi/m3	U
2225	575119009	2/22/2022	Americium-241	1.55E-03	9.82E-04	3.45E-03	pCi/m3	U
2225	580222008	3/21/2022	Americium-241	-1.77E-04	5.12E-04	1.54E-03	pCi/m3	U
2225	582716008	4/18/2022	Americium-241	-4.93E-04	6.76E-04	2.24E-03	pCi/m3	U
2225	585173008	5/16/2022	Americium-241	2.88E-04	7.78E-04	2.79E-03	pCi/m3	U
2225	587312008	6/13/2022	Americium-241	2.85E-04	7.15E-04	2.24E-03	pCi/m3	U
2225	592755009	7/11/2022	Americium-241	1.90E-04	4.23E-04	6.01E-04	pCi/m3	U
2225	594667008	8/8/2022	Americium-241	-2.37E-04	7.33E-04	2.39E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	600159010	9/6/2022	Americium-241	-3.45E-04	7.38E-04	2.39E-03	pCi/m3	U
2225	600160008	10/3/2022	Americium-241	7.53E-04	1.59E-03	5.18E-03	pCi/m3	U
2225	606088010	10/31/2022	Americium-241	1.04E-03	8.17E-04	2.84E-03	pCi/m3	U
2225	606540010	11/28/2022	Americium-241	-1.05E-03	1.44E-03	4.28E-03	pCi/m3	U
2225	609503010	12/27/2022	Americium-241	-4.69E-05	2.36E-04	7.06E-04	pCi/m3	U
2225	571519008	1/24/2022	Antimony-124	-1.20E-04	9.24E-04	3.02E-03	pCi/m3	U
2225	575119009	2/22/2022	Antimony-124	7.21E-04	9.99E-04	3.56E-03	pCi/m3	U
2225	580222008	3/21/2022	Antimony-124	1.12E-03	9.96E-04	3.77E-03	pCi/m3	U
2225	582716008	4/18/2022	Antimony-124	-4.53E-05	1.20E-03	3.88E-03	pCi/m3	U
2225	585173008	5/16/2022	Antimony-124	-3.81E-05	9.26E-04	3.04E-03	pCi/m3	U
2225	587312008	6/13/2022	Antimony-124	1.88E-03	1.62E-03	5.98E-03	pCi/m3	U
2225	592755009	7/11/2022	Antimony-124	8.23E-05	1.37E-03	4.66E-03	pCi/m3	U
2225	594667008	8/8/2022	Antimony-124	-5.58E-04	1.25E-03	3.71E-03	pCi/m3	U
2225	600159010	9/6/2022	Antimony-124	-1.79E-03	1.30E-03	2.85E-03	pCi/m3	U
2225	600160008	10/3/2022	Antimony-124	-1.58E-03	1.23E-03	3.10E-03	pCi/m3	U
2225	606088010	10/31/2022	Antimony-124	-1.86E-03	1.57E-03	4.19E-03	pCi/m3	U
2225	606540010	11/28/2022	Antimony-124	-1.06E-03	1.25E-03	3.54E-03	pCi/m3	U
2225	609503010	12/27/2022	Antimony-124	-1.07E-03	7.85E-04	1.59E-03	pCi/m3	U
2225	571519008	1/24/2022	Antimony-125	-5.40E-05	7.27E-04	2.39E-03	pCi/m3	U
2225	575119009	2/22/2022	Antimony-125	3.92E-04	4.69E-04	1.65E-03	pCi/m3	U
2225	580222008	3/21/2022	Antimony-125	2.64E-04	3.96E-04	1.40E-03	pCi/m3	U
2225	582716008	4/18/2022	Antimony-125	1.36E-03	6.79E-04	2.52E-03	pCi/m3	U
2225	585173008	5/16/2022	Antimony-125	-5.13E-04	5.70E-04	1.77E-03	pCi/m3	U
2225	587312008	6/13/2022	Antimony-125	-1.44E-03	1.01E-03	2.52E-03	pCi/m3	U
2225	592755009	7/11/2022	Antimony-125	-5.67E-04	6.71E-04	2.07E-03	pCi/m3	U
2225	594667008	8/8/2022	Antimony-125	1.15E-03	5.97E-04	2.27E-03	pCi/m3	U
2225	600159010	9/6/2022	Antimony-125	-4.05E-04	5.72E-04	1.79E-03	pCi/m3	U
2225	600160008	10/3/2022	Antimony-125	-1.64E-03	7.50E-04	1.93E-03	pCi/m3	U
2225	606088010	10/31/2022	Antimony-125	3.42E-04	5.89E-04	2.06E-03	pCi/m3	U
2225	606540010	11/28/2022	Antimony-125	-3.36E-05	5.02E-04	1.69E-03	pCi/m3	U
2225	609503010	12/27/2022	Antimony-125	-4.05E-04	5.49E-04	1.72E-03	pCi/m3	U
2225	571519008	1/24/2022	Barium-140	-4.49E-03	7.10E-03	2.22E-02	pCi/m3	U
2225	575119009	2/22/2022	Barium-140	9.63E-03	5.43E-03	2.07E-02	pCi/m3	U
2225	580222008	3/21/2022	Barium-140	-5.28E-02	1.72E-02	3.17E-02	pCi/m3	U
2225	582716008	4/18/2022	Barium-140	2.18E-02	2.36E-02	7.92E-02	pCi/m3	U
2225	585173008	5/16/2022	Barium-140	6.45E-03	1.28E-02	4.37E-02	pCi/m3	U
2225	587312008	6/13/2022	Barium-140	-1.66E-02	1.70E-02	5.16E-02	pCi/m3	U
2225	592755009	7/11/2022	Barium-140	6.56E-03	4.38E-02	1.46E-01	pCi/m3	U
2225	594667008	8/8/2022	Barium-140	-3.40E-04	1.44E-02	4.38E-02	pCi/m3	U
2225	600159010	9/6/2022	Barium-140	7.19E-02	2.81E-02	1.12E-01	pCi/m3	U
2225	600160008	10/3/2022	Barium-140	-3.63E-03	7.72E-03	2.52E-02	pCi/m3	U
2225	606088010	10/31/2022	Barium-140	3.17E-03	3.23E-02	1.07E-01	pCi/m3	U
2225	606540010	11/28/2022	Barium-140	2.10E-02	8.77E-03	3.26E-02	pCi/m3	U
2225	609503010	12/27/2022	Barium-140	1.26E-02	6.68E-03	2.60E-02	pCi/m3	U
2225	571519008	1/24/2022	Beryllium-7	1.18E-01	8.67E-03	9.98E-03	pCi/m3	U
2225	575119009	2/22/2022	Beryllium-7	1.50E-01	9.02E-03	9.49E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	580222008	3/21/2022	Beryllium-7	1.07E-01	7.48E-03	6.86E-03	pCi/m3	
2225	582716008	4/18/2022	Beryllium-7	1.54E-01	1.32E-02	1.21E-02	pCi/m3	
2225	585173008	5/16/2022	Beryllium-7	1.42E-01	1.11E-02	1.09E-02	pCi/m3	
2225	587312008	6/13/2022	Beryllium-7	1.38E-01	1.80E-02	1.87E-02	pCi/m3	
2225	592755009	7/11/2022	Beryllium-7	1.43E-01	1.62E-02	1.52E-02	pCi/m3	
2225	594667008	8/8/2022	Beryllium-7	9.35E-02	1.22E-02	1.19E-02	pCi/m3	
2225	600159010	9/6/2022	Beryllium-7	8.01E-02	1.46E-02	1.45E-02	pCi/m3	
2225	600160008	10/3/2022	Beryllium-7	1.17E-01	1.10E-02	1.15E-02	pCi/m3	
2225	606088010	10/31/2022	Beryllium-7	9.42E-02	1.28E-02	1.36E-02	pCi/m3	
2225	606540010	11/28/2022	Beryllium-7	1.11E-01	9.17E-03	7.99E-03	pCi/m3	
2225	609503010	12/27/2022	Beryllium-7	1.15E-01	9.75E-03	6.76E-03	pCi/m3	
2225	566166015	1/3/2022	BETA	1.98E-02	1.31E-03	1.49E-03	pCi/m3	
2225	566829017	1/10/2022	BETA	4.48E-02	1.91E-03	1.46E-03	pCi/m3	
2225	567639017	1/18/2022	BETA	5.06E-02	1.90E-03	1.30E-03	pCi/m3	
2225	568220015	1/24/2022	BETA	3.85E-02	1.98E-03	1.93E-03	pCi/m3	
2225	568941015	1/31/2022	BETA	4.98E-02	1.98E-03	1.48E-03	pCi/m3	
2225	569535015	2/7/2022	BETA	3.59E-02	1.74E-03	1.44E-03	pCi/m3	
2225	570265023	2/14/2022	BETA	4.60E-02	1.90E-03	1.55E-03	pCi/m3	
2225	571000017	2/22/2022	BETA	3.68E-02	1.49E-03	1.06E-03	pCi/m3	
2225	571637015	2/28/2022	BETA	2.42E-02	1.36E-03	1.32E-03	pCi/m3	
2225	572310017	3/7/2022	BETA	4.96E-02	2.05E-03	1.57E-03	pCi/m3	
2225	573044015	3/14/2022	BETA	3.06E-02	1.52E-03	1.32E-03	pCi/m3	
2225	573809015	3/21/2022	BETA	2.79E-02	1.48E-03	1.38E-03	pCi/m3	
2225	574543015	3/28/2022	BETA	2.20E-02	1.25E-03	1.26E-03	pCi/m3	
2225	575131015	4/4/2022	BETA	3.33E-02	1.67E-03	1.48E-03	pCi/m3	
2225	576092017	4/11/2022	BETA	2.89E-02	1.60E-03	1.63E-03	pCi/m3	
2225	576835017	4/18/2022	BETA	3.17E-02	1.64E-03	1.50E-03	pCi/m3	
2225	577597007	4/25/2022	BETA	4.22E-02	1.91E-03	1.79E-03	pCi/m3	
2225	578409007	5/2/2022	BETA	4.48E-02	1.98E-03	1.64E-03	pCi/m3	
2225	579262021	5/9/2022	BETA	2.51E-02	1.47E-03	1.45E-03	pCi/m3	
2225	580035015	5/16/2022	BETA	2.64E-02	1.50E-03	1.51E-03	pCi/m3	
2225	580692015	5/23/2022	BETA	4.48E-02	2.01E-03	1.65E-03	pCi/m3	
2225	581372007	5/31/2022	BETA	1.78E-02	1.02E-03	1.01E-03	pCi/m3	
2225	581946015	6/6/2022	BETA	3.12E-02	1.74E-03	1.90E-03	pCi/m3	
2225	582788015	6/13/2022	BETA	2.86E-02	1.54E-03	1.44E-03	pCi/m3	
2225	583525018	6/21/2022	BETA	3.33E-02	1.52E-03	1.25E-03	pCi/m3	
2225	584134007	6/27/2022	BETA	4.19E-02	2.07E-03	1.84E-03	pCi/m3	
2225	584823009	7/5/2022	BETA	2.80E-02	1.48E-03	1.56E-03	pCi/m3	
2225	585557017	7/11/2022	BETA	2.34E-02	1.52E-03	1.64E-03	pCi/m3	
2225	586344015	7/18/2022	BETA	3.70E-02	1.81E-03	1.79E-03	pCi/m3	
2225	587147019	7/25/2022	BETA	2.77E-02	1.55E-03	1.68E-03	pCi/m3	
2225	587889015	8/1/2022	BETA	1.77E-02	1.19E-03	1.35E-03	pCi/m3	
2225	589386008	8/8/2022	BETA	2.48E-02	1.42E-03	1.43E-03	pCi/m3	
2225	589633015	8/15/2022	BETA	3.00E-02	1.60E-03	1.50E-03	pCi/m3	
2225	590523015	8/22/2022	BETA	4.55E-02	1.94E-03	1.48E-03	pCi/m3	
2225	591270015	8/29/2022	BETA	4.01E-02	1.82E-03	1.58E-03	pCi/m3	

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	592020021	9/6/2022	BETA	2.95E-02	1.52E-03	1.49E-03	pCi/m3	
2225	592698021	9/12/2022	BETA	3.00E-02	1.76E-03	1.92E-03	pCi/m3	
2225	593605019	9/19/2022	BETA	4.68E-02	2.00E-03	1.66E-03	pCi/m3	
2225	594421021	9/26/2022	BETA	4.89E-02	2.05E-03	1.49E-03	pCi/m3	
2225	594992023	10/3/2022	BETA	2.86E-02	1.57E-03	1.45E-03	pCi/m3	
2225	596154009	10/10/2022	BETA	3.98E-02	1.82E-03	1.60E-03	pCi/m3	
2225	597078001	10/17/2022	BETA	4.83E-02	2.01E-03	1.61E-03	pCi/m3	
2225	597937021	10/24/2022	BETA	4.38E-02	1.89E-03	1.61E-03	pCi/m3	
2225	598805019	10/31/2022	BETA	3.01E-02	1.60E-03	1.62E-03	pCi/m3	
2225	599718023	11/7/2022	BETA	5.08E-02	2.00E-03	1.39E-03	pCi/m3	
2225	600677019	11/14/2022	BETA	3.35E-02	1.55E-03	1.24E-03	pCi/m3	
2225	601448016	11/21/2022	BETA	4.50E-02	1.77E-03	1.24E-03	pCi/m3	
2225	602118019	11/28/2022	BETA	5.76E-02	1.96E-03	1.22E-03	pCi/m3	
2225	602825025	12/5/2022	BETA	4.13E-02	1.70E-03	1.34E-03	pCi/m3	
2225	603752021	12/12/2022	BETA	2.37E-02	1.33E-03	1.29E-03	pCi/m3	
2225	604620025	12/19/2022	BETA	3.96E-02	1.68E-03	1.25E-03	pCi/m3	
2225	605322031	12/27/2022	BETA	4.45E-02	1.58E-03	9.97E-04	pCi/m3	
2225	571519008	1/24/2022	Bismuth-214	6.46E-04	7.45E-04	2.59E-03	pCi/m3	U
2225	575119009	2/22/2022	Bismuth-214	4.83E-04	7.37E-04	1.77E-03	pCi/m3	U
2225	580222008	3/21/2022	Bismuth-214	3.16E-04	5.41E-04	1.57E-03	pCi/m3	U
2225	582716008	4/18/2022	Bismuth-214	6.58E-04	8.29E-04	2.87E-03	pCi/m3	U
2225	585173008	5/16/2022	Bismuth-214	1.02E-03	1.05E-03	2.11E-03	pCi/m3	U
2225	587312008	6/13/2022	Bismuth-214	-7.86E-04	1.16E-03	3.73E-03	pCi/m3	U
2225	592755009	7/11/2022	Bismuth-214	4.46E-04	8.89E-04	2.77E-03	pCi/m3	U
2225	594667008	8/8/2022	Bismuth-214	1.24E-03	1.71E-03	2.99E-03	pCi/m3	U
2225	600159010	9/6/2022	Bismuth-214	3.04E-05	6.65E-04	2.10E-03	pCi/m3	U
2225	600160008	10/3/2022	Bismuth-214	-9.34E-05	7.45E-04	2.49E-03	pCi/m3	U
2225	606088010	10/31/2022	Bismuth-214	7.69E-04	7.31E-04	2.52E-03	pCi/m3	U
2225	606540010	11/28/2022	Bismuth-214	2.09E-03	1.07E-03	2.40E-03	pCi/m3	U
2225	609503010	12/27/2022	Bismuth-214	-5.89E-04	6.45E-04	2.00E-03	pCi/m3	U
2225	571519008	1/24/2022	Cerium-141	-2.30E-03	7.97E-04	2.28E-03	pCi/m3	U
2225	575119009	2/22/2022	Cerium-141	-1.06E-03	6.23E-04	1.78E-03	pCi/m3	U
2225	580222008	3/21/2022	Cerium-141	1.66E-04	5.92E-04	1.93E-03	pCi/m3	U
2225	582716008	4/18/2022	Cerium-141	1.65E-04	9.00E-04	3.01E-03	pCi/m3	U
2225	585173008	5/16/2022	Cerium-141	9.94E-05	5.40E-04	1.81E-03	pCi/m3	U
2225	587312008	6/13/2022	Cerium-141	-1.66E-03	1.09E-03	2.87E-03	pCi/m3	U
2225	592755009	7/11/2022	Cerium-141	-6.04E-04	1.10E-03	3.49E-03	pCi/m3	U
2225	594667008	8/8/2022	Cerium-141	9.18E-04	7.85E-04	2.67E-03	pCi/m3	U
2225	600159010	9/6/2022	Cerium-141	-1.21E-03	1.07E-03	3.04E-03	pCi/m3	U
2225	600160008	10/3/2022	Cerium-141	-2.67E-03	8.55E-04	2.25E-03	pCi/m3	U
2225	606088010	10/31/2022	Cerium-141	8.56E-04	9.79E-04	3.36E-03	pCi/m3	U
2225	606540010	11/28/2022	Cerium-141	4.06E-04	7.12E-04	2.43E-03	pCi/m3	U
2225	609503010	12/27/2022	Cerium-141	2.77E-04	9.16E-04	1.78E-03	pCi/m3	U
2225	571519008	1/24/2022	Cerium-144	2.35E-03	1.37E-03	4.88E-03	pCi/m3	U
2225	575119009	2/22/2022	Cerium-144	2.28E-03	1.22E-03	2.14E-03	pCi/m3	UI
2225	580222008	3/21/2022	Cerium-144	-2.10E-04	7.93E-04	2.52E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	582716008	4/18/2022	Cerium-144	-6.61E-04	1.26E-03	4.08E-03	pCi/m3	U
2225	585173008	5/16/2022	Cerium-144	-1.16E-05	9.23E-04	3.08E-03	pCi/m3	U
2225	587312008	6/13/2022	Cerium-144	-3.73E-03	1.78E-03	5.08E-03	pCi/m3	U
2225	592755009	7/11/2022	Cerium-144	2.76E-04	1.01E-03	3.36E-03	pCi/m3	U
2225	594667008	8/8/2022	Cerium-144	-3.44E-04	1.04E-03	3.27E-03	pCi/m3	U
2225	600159010	9/6/2022	Cerium-144	-8.68E-04	1.06E-03	3.22E-03	pCi/m3	U
2225	600160008	10/3/2022	Cerium-144	9.52E-04	1.45E-03	5.05E-03	pCi/m3	U
2225	606088010	10/31/2022	Cerium-144	-2.56E-04	1.13E-03	3.66E-03	pCi/m3	U
2225	606540010	11/28/2022	Cerium-144	6.14E-04	1.31E-03	4.45E-03	pCi/m3	U
2225	609503010	12/27/2022	Cerium-144	3.53E-04	9.35E-04	3.06E-03	pCi/m3	U
2225	571519008	1/24/2022	Cesium-134	1.22E-04	3.53E-04	1.14E-03	pCi/m3	U
2225	575119009	2/22/2022	Cesium-134	2.63E-04	2.38E-04	8.46E-04	pCi/m3	U
2225	580222008	3/21/2022	Cesium-134	1.14E-04	1.98E-04	6.80E-04	pCi/m3	U
2225	582716008	4/18/2022	Cesium-134	2.80E-04	2.80E-04	1.04E-03	pCi/m3	U
2225	585173008	5/16/2022	Cesium-134	3.08E-04	2.33E-04	8.45E-04	pCi/m3	U
2225	587312008	6/13/2022	Cesium-134	-7.96E-04	5.92E-04	1.50E-03	pCi/m3	U
2225	592755009	7/11/2022	Cesium-134	1.65E-04	3.34E-04	1.19E-03	pCi/m3	U
2225	594667008	8/8/2022	Cesium-134	9.00E-05	2.61E-04	8.34E-04	pCi/m3	U
2225	600159010	9/6/2022	Cesium-134	-2.28E-04	3.53E-04	1.05E-03	pCi/m3	U
2225	600160008	10/3/2022	Cesium-134	-3.52E-05	3.31E-04	1.08E-03	pCi/m3	U
2225	606088010	10/31/2022	Cesium-134	6.63E-04	3.04E-04	1.24E-03	pCi/m3	U
2225	606540010	11/28/2022	Cesium-134	3.18E-04	2.90E-04	1.04E-03	pCi/m3	U
2225	609503010	12/27/2022	Cesium-134	-1.03E-04	3.13E-04	9.71E-04	pCi/m3	U
2225	571519008	1/24/2022	Cesium-137	-2.62E-04	2.74E-04	8.72E-04	pCi/m3	U
2225	575119009	2/22/2022	Cesium-137	1.47E-04	2.21E-04	7.55E-04	pCi/m3	U
2225	580222008	3/21/2022	Cesium-137	2.94E-04	1.59E-04	6.13E-04	pCi/m3	U
2225	582716008	4/18/2022	Cesium-137	-1.15E-03	3.42E-04	7.54E-04	pCi/m3	U
2225	585173008	5/16/2022	Cesium-137	5.82E-04	3.05E-04	1.12E-03	pCi/m3	U
2225	587312008	6/13/2022	Cesium-137	-2.12E-04	4.50E-04	1.39E-03	pCi/m3	U
2225	592755009	7/11/2022	Cesium-137	-1.58E-04	4.08E-04	1.09E-03	pCi/m3	U
2225	594667008	8/8/2022	Cesium-137	-4.40E-04	2.67E-04	7.08E-04	pCi/m3	U
2225	600159010	9/6/2022	Cesium-137	-3.56E-05	2.97E-04	9.48E-04	pCi/m3	U
2225	600160008	10/3/2022	Cesium-137	-1.15E-04	3.57E-04	1.16E-03	pCi/m3	U
2225	606088010	10/31/2022	Cesium-137	-2.36E-04	2.85E-04	8.31E-04	pCi/m3	U
2225	606540010	11/28/2022	Cesium-137	3.81E-05	2.84E-04	9.44E-04	pCi/m3	U
2225	609503010	12/27/2022	Cesium-137	1.35E-04	2.53E-04	8.66E-04	pCi/m3	U
2225	571519008	1/24/2022	Chromium-51	-4.31E-03	4.92E-03	1.61E-02	pCi/m3	U
2225	575119009	2/22/2022	Chromium-51	-1.18E-03	3.91E-03	1.29E-02	pCi/m3	U
2225	580222008	3/21/2022	Chromium-51	4.13E-03	4.62E-03	1.66E-02	pCi/m3	U
2225	582716008	4/18/2022	Chromium-51	3.01E-03	8.89E-03	2.86E-02	pCi/m3	U
2225	585173008	5/16/2022	Chromium-51	-4.29E-03	5.89E-03	1.94E-02	pCi/m3	U
2225	587312008	6/13/2022	Chromium-51	2.45E-03	8.33E-03	2.88E-02	pCi/m3	U
2225	592755009	7/11/2022	Chromium-51	-1.26E-02	1.25E-02	3.53E-02	pCi/m3	U
2225	594667008	8/8/2022	Chromium-51	1.96E-03	6.00E-03	2.07E-02	pCi/m3	U
2225	600159010	9/6/2022	Chromium-51	-9.78E-03	7.56E-03	2.33E-02	pCi/m3	U
2225	600160008	10/3/2022	Chromium-51	3.63E-03	5.13E-03	1.75E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2225	606088010	10/31/2022	Chromium-51	2.68E-04	8.29E-03	2.83E-02	pCi/m3	U
2225	606540010	11/28/2022	Chromium-51	-5.25E-04	5.93E-03	1.67E-02	pCi/m3	U
2225	609503010	12/27/2022	Chromium-51	-2.36E-03	4.22E-03	1.38E-02	pCi/m3	U
2225	571519008	1/24/2022	Cobalt-57	-2.15E-05	1.76E-04	5.97E-04	pCi/m3	U
2225	575119009	2/22/2022	Cobalt-57	-1.37E-04	1.37E-04	4.09E-04	pCi/m3	U
2225	580222008	3/21/2022	Cobalt-57	-1.03E-04	1.05E-04	3.19E-04	pCi/m3	U
2225	582716008	4/18/2022	Cobalt-57	6.85E-05	1.46E-04	5.01E-04	pCi/m3	U
2225	585173008	5/16/2022	Cobalt-57	-1.25E-04	1.16E-04	3.64E-04	pCi/m3	U
2225	587312008	6/13/2022	Cobalt-57	-2.22E-04	2.29E-04	7.08E-04	pCi/m3	U
2225	592755009	7/11/2022	Cobalt-57	6.83E-05	1.33E-04	4.53E-04	pCi/m3	U
2225	594667008	8/8/2022	Cobalt-57	-4.20E-07	1.32E-04	4.27E-04	pCi/m3	U
2225	600159010	9/6/2022	Cobalt-57	6.91E-05	1.65E-04	5.12E-04	pCi/m3	U
2225	600160008	10/3/2022	Cobalt-57	-1.42E-05	1.86E-04	5.68E-04	pCi/m3	U
2225	606088010	10/31/2022	Cobalt-57	-2.40E-04	1.52E-04	4.54E-04	pCi/m3	U
2225	606540010	11/28/2022	Cobalt-57	2.44E-04	1.54E-04	5.51E-04	pCi/m3	U
2225	609503010	12/27/2022	Cobalt-57	-2.20E-06	1.25E-04	4.01E-04	pCi/m3	U
2225	571519008	1/24/2022	Cobalt-58	4.00E-04	3.47E-04	1.22E-03	pCi/m3	U
2225	575119009	2/22/2022	Cobalt-58	-2.73E-04	2.93E-04	6.76E-04	pCi/m3	U
2225	580222008	3/21/2022	Cobalt-58	-2.12E-04	3.39E-04	8.79E-04	pCi/m3	U
2225	582716008	4/18/2022	Cobalt-58	7.87E-04	4.68E-04	1.83E-03	pCi/m3	U
2225	585173008	5/16/2022	Cobalt-58	3.86E-04	4.27E-04	1.55E-03	pCi/m3	U
2225	587312008	6/13/2022	Cobalt-58	3.52E-04	6.01E-04	2.05E-03	pCi/m3	U
2225	592755009	7/11/2022	Cobalt-58	-2.04E-04	6.63E-04	2.01E-03	pCi/m3	U
2225	594667008	8/8/2022	Cobalt-58	6.68E-05	4.96E-04	1.43E-03	pCi/m3	U
2225	600159010	9/6/2022	Cobalt-58	-3.23E-04	4.06E-04	1.14E-03	pCi/m3	U
2225	600160008	10/3/2022	Cobalt-58	4.10E-04	4.23E-04	1.52E-03	pCi/m3	U
2225	606088010	10/31/2022	Cobalt-58	-2.59E-05	5.42E-04	1.83E-03	pCi/m3	U
2225	606540010	11/28/2022	Cobalt-58	7.91E-05	3.91E-04	1.30E-03	pCi/m3	U
2225	609503010	12/27/2022	Cobalt-58	-4.62E-04	3.13E-04	7.83E-04	pCi/m3	U
2225	571519008	1/24/2022	Cobalt-60	5.30E-04	2.87E-04	1.07E-03	pCi/m3	U
2225	575119009	2/22/2022	Cobalt-60	7.01E-05	2.41E-04	8.28E-04	pCi/m3	U
2225	580222008	3/21/2022	Cobalt-60	-2.03E-04	2.09E-04	6.05E-04	pCi/m3	U
2225	582716008	4/18/2022	Cobalt-60	2.03E-04	3.85E-04	1.38E-03	pCi/m3	U
2225	585173008	5/16/2022	Cobalt-60	8.18E-04	3.20E-04	1.36E-03	pCi/m3	U
2225	587312008	6/13/2022	Cobalt-60	-1.08E-03	6.96E-04	1.98E-03	pCi/m3	U
2225	592755009	7/11/2022	Cobalt-60	7.70E-04	3.96E-04	1.64E-03	pCi/m3	U
2225	594667008	8/8/2022	Cobalt-60	-8.87E-05	2.92E-04	9.17E-04	pCi/m3	U
2225	600159010	9/6/2022	Cobalt-60	3.57E-04	2.84E-04	1.11E-03	pCi/m3	U
2225	600160008	10/3/2022	Cobalt-60	3.50E-04	4.40E-04	1.59E-03	pCi/m3	U
2225	606088010	10/31/2022	Cobalt-60	-4.13E-05	3.48E-04	1.11E-03	pCi/m3	U
2225	606540010	11/28/2022	Cobalt-60	-2.26E-04	2.84E-04	8.32E-04	pCi/m3	U
2225	609503010	12/27/2022	Cobalt-60	8.17E-05	3.27E-04	1.12E-03	pCi/m3	U
2225	571519008	1/24/2022	Iron-59	1.14E-03	8.92E-04	3.21E-03	pCi/m3	U
2225	575119009	2/22/2022	Iron-59	-1.69E-03	7.93E-04	1.93E-03	pCi/m3	U
2225	580222008	3/21/2022	Iron-59	-8.24E-04	8.36E-04	2.51E-03	pCi/m3	U
2225	582716008	4/18/2022	Iron-59	-8.72E-04	1.28E-03	3.90E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2225	585173008	5/16/2022	Iron-59	-5.99E-04	9.58E-04	2.83E-03	pCi/m3	U
2225	587312008	6/13/2022	Iron-59	4.77E-04	1.01E-03	3.68E-03	pCi/m3	U
2225	592755009	7/11/2022	Iron-59	-1.24E-03	1.78E-03	5.22E-03	pCi/m3	U
2225	594667008	8/8/2022	Iron-59	-1.39E-03	9.51E-04	2.45E-03	pCi/m3	U
2225	600159010	9/6/2022	Iron-59	-1.80E-03	1.54E-03	4.45E-03	pCi/m3	U
2225	600160008	10/3/2022	Iron-59	7.52E-04	1.06E-03	3.72E-03	pCi/m3	U
2225	606088010	10/31/2022	Iron-59	7.52E-05	1.83E-03	6.06E-03	pCi/m3	U
2225	606540010	11/28/2022	Iron-59	-1.14E-03	1.31E-03	3.90E-03	pCi/m3	U
2225	609503010	12/27/2022	Iron-59	-2.66E-04	8.23E-04	2.66E-03	pCi/m3	U
2225	571519008	1/24/2022	Lanthanum-140	-3.97E-03	2.81E-03	8.29E-03	pCi/m3	U
2225	575119009	2/22/2022	Lanthanum-140	2.58E-03	3.15E-03	1.13E-02	pCi/m3	U
2225	580222008	3/21/2022	Lanthanum-140	-6.81E-03	5.91E-03	1.59E-02	pCi/m3	U
2225	582716008	4/18/2022	Lanthanum-140	-4.30E-03	1.29E-02	4.03E-02	pCi/m3	U
2225	585173008	5/16/2022	Lanthanum-140	9.89E-03	7.20E-03	2.75E-02	pCi/m3	U
2225	587312008	6/13/2022	Lanthanum-140	-1.69E-03	5.20E-03	1.58E-02	pCi/m3	U
2225	592755009	7/11/2022	Lanthanum-140	-3.87E-02	2.36E-02	5.81E-02	pCi/m3	U
2225	594667008	8/8/2022	Lanthanum-140	-3.14E-03	5.20E-03	1.50E-02	pCi/m3	U
2225	600159010	9/6/2022	Lanthanum-140	-3.60E-02	1.70E-02	3.08E-02	pCi/m3	U
2225	600160008	10/3/2022	Lanthanum-140	4.87E-03	3.22E-03	1.28E-02	pCi/m3	U
2225	606088010	10/31/2022	Lanthanum-140	-3.11E-03	1.37E-02	4.45E-02	pCi/m3	U
2225	606540010	11/28/2022	Lanthanum-140	-2.98E-03	2.54E-03	5.80E-03	pCi/m3	U
2225	609503010	12/27/2022	Lanthanum-140	9.85E-04	2.74E-03	9.59E-03	pCi/m3	U
2225	571519008	1/24/2022	Lead-210	6.31E-02	4.88E-02	1.68E-01	pCi/m3	U
2225	575119009	2/22/2022	Lead-210	-4.09E-02	3.64E-02	1.12E-01	pCi/m3	U
2225	580222008	3/21/2022	Lead-210	5.10E-02	1.91E-02	3.16E-02	pCi/m3	U
2225	582716008	4/18/2022	Lead-210	-3.76E-02	2.48E-02	7.43E-02	pCi/m3	U
2225	585173008	5/16/2022	Lead-210	5.49E-02	3.31E-02	1.12E-01	pCi/m3	U
2225	587312008	6/13/2022	Lead-210	3.44E-02	5.78E-03	2.19E-02	pCi/m3	UI
2225	592755009	7/11/2022	Lead-210	1.84E-02	5.11E-03	5.38E-03	pCi/m3	U
2225	594667008	8/8/2022	Lead-210	-1.99E-02	2.40E-02	7.62E-02	pCi/m3	U
2225	600159010	9/6/2022	Lead-210	6.64E-02	4.00E-02	6.08E-02	pCi/m3	UI
2225	600160008	10/3/2022	Lead-210	1.78E-02	6.42E-02	2.08E-01	pCi/m3	U
2225	606088010	10/31/2022	Lead-210	8.07E-02	4.57E-02	9.35E-02	pCi/m3	U
2225	606540010	11/28/2022	Lead-210	-4.59E-02	6.40E-02	1.87E-01	pCi/m3	U
2225	609503010	12/27/2022	Lead-210	3.01E-02	4.77E-03	6.48E-03	pCi/m3	U
2225	571519008	1/24/2022	Lead-212	1.90E-03	1.02E-03	1.89E-03	pCi/m3	UI
2225	575119009	2/22/2022	Lead-212	3.92E-04	5.03E-04	1.41E-03	pCi/m3	U
2225	580222008	3/21/2022	Lead-212	1.37E-03	5.56E-04	1.09E-03	pCi/m3	UI
2225	582716008	4/18/2022	Lead-212	6.62E-04	6.31E-04	1.66E-03	pCi/m3	U
2225	585173008	5/16/2022	Lead-212	9.07E-04	5.12E-04	1.41E-03	pCi/m3	U
2225	587312008	6/13/2022	Lead-212	1.63E-03	1.03E-03	2.54E-03	pCi/m3	U
2225	592755009	7/11/2022	Lead-212	4.73E-04	5.90E-04	1.22E-03	pCi/m3	U
2225	594667008	8/8/2022	Lead-212	-5.37E-04	5.25E-04	1.83E-03	pCi/m3	U
2225	600159010	9/6/2022	Lead-212	4.19E-04	7.66E-04	1.09E-03	pCi/m3	U
2225	600160008	10/3/2022	Lead-212	2.84E-03	1.13E-03	1.78E-03	pCi/m3	UI
2225	606088010	10/31/2022	Lead-212	-7.52E-04	4.75E-04	1.37E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	606540010	11/28/2022	Lead-212	2.77E-03	8.35E-04	1.15E-03	pCi/m3	
2225	609503010	12/27/2022	Lead-212	1.08E-03	6.84E-04	1.87E-03	pCi/m3	U
2225	571519008	1/24/2022	Lead-214	7.66E-04	6.58E-04	2.21E-03	pCi/m3	U
2225	575119009	2/22/2022	Lead-214	1.46E-04	7.33E-04	1.64E-03	pCi/m3	U
2225	580222008	3/21/2022	Lead-214	6.34E-04	6.98E-04	1.51E-03	pCi/m3	U
2225	582716008	4/18/2022	Lead-214	9.16E-04	8.38E-04	2.13E-03	pCi/m3	U
2225	585173008	5/16/2022	Lead-214	-3.11E-04	5.32E-04	1.69E-03	pCi/m3	U
2225	587312008	6/13/2022	Lead-214	1.37E-03	1.55E-03	2.98E-03	pCi/m3	U
2225	592755009	7/11/2022	Lead-214	-7.69E-04	5.96E-04	1.55E-03	pCi/m3	U
2225	594667008	8/8/2022	Lead-214	3.64E-03	1.07E-03	2.91E-03	pCi/m3	UI
2225	600159010	9/6/2022	Lead-214	-2.70E-05	5.88E-04	1.95E-03	pCi/m3	U
2225	600160008	10/3/2022	Lead-214	2.55E-04	6.63E-04	2.19E-03	pCi/m3	U
2225	606088010	10/31/2022	Lead-214	7.86E-04	7.78E-04	2.09E-03	pCi/m3	U
2225	606540010	11/28/2022	Lead-214	3.30E-03	1.05E-03	1.15E-03	pCi/m3	
2225	609503010	12/27/2022	Lead-214	2.30E-03	9.64E-04	1.83E-03	pCi/m3	UI
2225	571519008	1/24/2022	Manganese-54	-7.71E-05	2.62E-04	8.38E-04	pCi/m3	U
2225	575119009	2/22/2022	Manganese-54	-2.53E-05	2.93E-04	9.08E-04	pCi/m3	U
2225	580222008	3/21/2022	Manganese-54	1.91E-05	2.21E-04	7.17E-04	pCi/m3	U
2225	582716008	4/18/2022	Manganese-54	-5.58E-04	2.56E-04	4.40E-04	pCi/m3	U
2225	585173008	5/16/2022	Manganese-54	2.47E-05	2.28E-04	7.77E-04	pCi/m3	U
2225	587312008	6/13/2022	Manganese-54	3.49E-04	4.96E-04	1.69E-03	pCi/m3	U
2225	592755009	7/11/2022	Manganese-54	3.86E-04	4.43E-04	1.32E-03	pCi/m3	U
2225	594667008	8/8/2022	Manganese-54	0.00E+00	3.26E-04	1.04E-03	pCi/m3	U
2225	600159010	9/6/2022	Manganese-54	6.97E-06	3.42E-04	1.09E-03	pCi/m3	U
2225	600160008	10/3/2022	Manganese-54	2.70E-04	3.26E-04	1.06E-03	pCi/m3	U
2225	606088010	10/31/2022	Manganese-54	2.50E-04	3.31E-04	1.19E-03	pCi/m3	U
2225	606540010	11/28/2022	Manganese-54	-8.71E-05	2.75E-04	8.62E-04	pCi/m3	U
2225	609503010	12/27/2022	Manganese-54	6.25E-05	2.35E-04	7.77E-04	pCi/m3	U
2225	571519008	1/24/2022	Molybdenum-99	1.90E+01	2.97E+01	0.00E+00	pCi/m3	UI
2225	575119009	2/22/2022	Molybdenum-99	-2.14E+01	6.25E+01	0.00E+00	pCi/m3	U
2225	580222008	3/21/2022	Molybdenum-99	-4.32E+03	4.30E+03	0.00E+00	pCi/m3	U
2225	582716008	4/18/2022	Molybdenum-99	-1.74E+03	6.64E+03	0.00E+00	pCi/m3	U
2225	585173008	5/16/2022	Molybdenum-99	-1.01E+02	1.13E+03	0.00E+00	pCi/m3	U
2225	587312008	6/13/2022	Molybdenum-99	-8.10E+01	2.78E+02	0.00E+00	pCi/m3	U
2225	592755009	7/11/2022	Molybdenum-99	9.97E+04	1.78E+05	0.00E+00	pCi/m3	UI
2225	594667008	8/8/2022	Molybdenum-99	-5.60E+02	8.56E+02	0.00E+00	pCi/m3	U
2225	600159010	9/6/2022	Molybdenum-99	4.14E+04	4.02E+04	0.00E+00	pCi/m3	UI
2225	600160008	10/3/2022	Molybdenum-99	-8.09E+01	3.87E+01	0.00E+00	pCi/m3	U
2225	606088010	10/31/2022	Molybdenum-99	-3.37E+04	4.62E+04	0.00E+00	pCi/m3	U
2225	606540010	11/28/2022	Molybdenum-99	4.01E+01	1.20E+02	0.00E+00	pCi/m3	UI
2225	609503010	12/27/2022	Molybdenum-99	-2.46E+01	1.02E+02	0.00E+00	pCi/m3	U
2225	571519008	1/24/2022	Niobium-95	-2.59E-04	3.71E-04	1.18E-03	pCi/m3	U
2225	575119009	2/22/2022	Niobium-95	2.85E-04	3.29E-04	8.79E-04	pCi/m3	U
2225	580222008	3/21/2022	Niobium-95	2.13E-04	3.22E-04	1.11E-03	pCi/m3	U
2225	582716008	4/18/2022	Niobium-95	-5.00E-04	4.92E-04	1.38E-03	pCi/m3	U
2225	585173008	5/16/2022	Niobium-95	5.50E-04	3.48E-04	1.36E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	587312008	6/13/2022	Niobium-95	1.67E-03	6.78E-04	2.63E-03	pCi/m3	U
2225	592755009	7/11/2022	Niobium-95	-9.93E-04	6.88E-04	1.76E-03	pCi/m3	U
2225	594667008	8/8/2022	Niobium-95	-4.97E-05	3.89E-04	1.23E-03	pCi/m3	U
2225	600159010	9/6/2022	Niobium-95	-4.42E-04	4.71E-04	1.33E-03	pCi/m3	U
2225	600160008	10/3/2022	Niobium-95	-2.18E-04	5.01E-04	1.36E-03	pCi/m3	U
2225	606088010	10/31/2022	Niobium-95	6.73E-04	4.72E-04	1.76E-03	pCi/m3	U
2225	606540010	11/28/2022	Niobium-95	-5.87E-04	5.13E-04	1.47E-03	pCi/m3	U
2225	609503010	12/27/2022	Niobium-95	-1.87E-04	2.72E-04	7.82E-04	pCi/m3	U
2225	571519008	1/24/2022	Potassium-40	8.43E-03	4.72E-03	1.85E-02	pCi/m3	U
2225	575119009	2/22/2022	Potassium-40	1.61E-03	4.53E-03	8.95E-03	pCi/m3	U
2225	580222008	3/21/2022	Potassium-40	4.56E-03	3.88E-03	6.51E-03	pCi/m3	U
2225	582716008	4/18/2022	Potassium-40	5.78E-03	6.01E-03	2.32E-02	pCi/m3	U
2225	585173008	5/16/2022	Potassium-40	-4.25E-03	4.52E-03	1.40E-02	pCi/m3	U
2225	587312008	6/13/2022	Potassium-40	2.27E-02	9.01E-03	1.42E-02	pCi/m3	UI
2225	592755009	7/11/2022	Potassium-40	1.80E-03	7.35E-03	1.56E-02	pCi/m3	U
2225	594667008	8/8/2022	Potassium-40	2.06E-02	7.29E-03	9.32E-03	pCi/m3	U
2225	600159010	9/6/2022	Potassium-40	1.21E-02	6.49E-03	9.46E-03	pCi/m3	UI
2225	600160008	10/3/2022	Potassium-40	1.28E-02	9.32E-03	1.11E-02	pCi/m3	UI
2225	606088010	10/31/2022	Potassium-40	8.95E-03	5.66E-03	2.13E-02	pCi/m3	U
2225	606540010	11/28/2022	Potassium-40	1.83E-03	6.66E-03	9.17E-03	pCi/m3	U
2225	609503010	12/27/2022	Potassium-40	-4.39E-03	4.02E-03	1.37E-02	pCi/m3	U
2225	571519008	1/24/2022	Radium-226	6.46E-04	7.45E-04	2.59E-03	pCi/m3	U
2225	575119009	2/22/2022	Radium-226	4.83E-04	7.37E-04	1.77E-03	pCi/m3	U
2225	580222008	3/21/2022	Radium-226	3.16E-04	5.41E-04	1.57E-03	pCi/m3	U
2225	582716008	4/18/2022	Radium-226	6.58E-04	8.29E-04	2.87E-03	pCi/m3	U
2225	585173008	5/16/2022	Radium-226	1.02E-03	1.05E-03	2.11E-03	pCi/m3	U
2225	587312008	6/13/2022	Radium-226	-7.86E-04	1.16E-03	3.73E-03	pCi/m3	U
2225	592755009	7/11/2022	Radium-226	4.46E-04	8.89E-04	2.77E-03	pCi/m3	U
2225	594667008	8/8/2022	Radium-226	1.24E-03	1.71E-03	2.99E-03	pCi/m3	U
2225	600159010	9/6/2022	Radium-226	-2.70E-05	5.88E-04	1.95E-03	pCi/m3	U
2225	600160008	10/3/2022	Radium-226	2.55E-04	6.63E-04	2.19E-03	pCi/m3	U
2225	606088010	10/31/2022	Radium-226	7.86E-04	7.78E-04	2.09E-03	pCi/m3	U
2225	606540010	11/28/2022	Radium-226	3.30E-03	1.05E-03	1.15E-03	pCi/m3	U
2225	609503010	12/27/2022	Radium-226	2.30E-03	9.64E-04	1.83E-03	pCi/m3	UI
2225	571519008	1/24/2022	Radium-228	2.20E-03	1.37E-03	4.47E-03	pCi/m3	U
2225	575119009	2/22/2022	Radium-228	2.07E-03	1.82E-03	4.66E-03	pCi/m3	U
2225	580222008	3/21/2022	Radium-228	3.38E-03	1.35E-03	3.70E-03	pCi/m3	U
2225	582716008	4/18/2022	Radium-228	1.17E-03	1.69E-03	6.16E-03	pCi/m3	U
2225	585173008	5/16/2022	Radium-228	1.91E-03	1.31E-03	4.37E-03	pCi/m3	U
2225	587312008	6/13/2022	Radium-228	2.00E-03	2.84E-03	6.87E-03	pCi/m3	U
2225	592755009	7/11/2022	Radium-228	-1.96E-03	1.53E-03	4.27E-03	pCi/m3	U
2225	594667008	8/8/2022	Radium-228	-1.04E-03	1.32E-03	4.24E-03	pCi/m3	U
2225	600159010	9/6/2022	Radium-228	-3.52E-03	1.13E-03	2.89E-03	pCi/m3	U
2225	600160008	10/3/2022	Radium-228	4.09E-05	2.27E-03	6.07E-03	pCi/m3	U
2225	606088010	10/31/2022	Radium-228	-1.60E-03	1.34E-03	4.21E-03	pCi/m3	U
2225	606540010	11/28/2022	Radium-228	-1.60E-03	1.35E-03	3.75E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	609503010	12/27/2022	Radium-228	2.58E-04	1.21E-03	3.84E-03	pCi/m3	U
2225	571519008	1/24/2022	Ruthenium-103	-1.14E-04	4.64E-04	1.49E-03	pCi/m3	U
2225	575119009	2/22/2022	Ruthenium-103	-4.58E-04	3.69E-04	1.08E-03	pCi/m3	U
2225	580222008	3/21/2022	Ruthenium-103	2.14E-05	3.72E-04	1.24E-03	pCi/m3	U
2225	582716008	4/18/2022	Ruthenium-103	2.87E-04	5.75E-04	2.03E-03	pCi/m3	U
2225	585173008	5/16/2022	Ruthenium-103	2.46E-04	5.26E-04	1.80E-03	pCi/m3	U
2225	587312008	6/13/2022	Ruthenium-103	-1.18E-03	7.44E-04	2.13E-03	pCi/m3	U
2225	592755009	7/11/2022	Ruthenium-103	-3.17E-04	8.09E-04	2.56E-03	pCi/m3	U
2225	594667008	8/8/2022	Ruthenium-103	1.15E-04	4.99E-04	1.68E-03	pCi/m3	U
2225	600159010	9/6/2022	Ruthenium-103	-1.12E-04	6.87E-04	2.24E-03	pCi/m3	U
2225	600160008	10/3/2022	Ruthenium-103	-3.82E-04	4.64E-04	1.48E-03	pCi/m3	U
2225	606088010	10/31/2022	Ruthenium-103	7.26E-04	7.97E-04	2.80E-03	pCi/m3	U
2225	606540010	11/28/2022	Ruthenium-103	-1.50E-04	4.50E-04	1.47E-03	pCi/m3	U
2225	609503010	12/27/2022	Ruthenium-103	1.06E-04	3.82E-04	1.30E-03	pCi/m3	U
2225	571519008	1/24/2022	Ruthenium-106	1.26E-03	2.49E-03	8.58E-03	pCi/m3	U
2225	575119009	2/22/2022	Ruthenium-106	-1.77E-03	1.83E-03	5.34E-03	pCi/m3	U
2225	580222008	3/21/2022	Ruthenium-106	6.85E-06	1.67E-03	5.50E-03	pCi/m3	U
2225	582716008	4/18/2022	Ruthenium-106	-1.86E-03	2.38E-03	7.13E-03	pCi/m3	U
2225	585173008	5/16/2022	Ruthenium-106	-1.99E-05	2.62E-03	8.44E-03	pCi/m3	U
2225	587312008	6/13/2022	Ruthenium-106	2.07E-03	3.69E-03	1.27E-02	pCi/m3	U
2225	592755009	7/11/2022	Ruthenium-106	4.01E-03	3.11E-03	1.13E-02	pCi/m3	U
2225	594667008	8/8/2022	Ruthenium-106	-2.64E-03	2.06E-03	5.66E-03	pCi/m3	U
2225	600159010	9/6/2022	Ruthenium-106	-2.80E-03	2.79E-03	8.24E-03	pCi/m3	U
2225	600160008	10/3/2022	Ruthenium-106	9.27E-04	2.85E-03	9.79E-03	pCi/m3	U
2225	606088010	10/31/2022	Ruthenium-106	-5.97E-04	2.25E-03	7.02E-03	pCi/m3	U
2225	606540010	11/28/2022	Ruthenium-106	5.38E-03	2.66E-03	9.98E-03	pCi/m3	U
2225	609503010	12/27/2022	Ruthenium-106	-7.05E-04	2.33E-03	7.39E-03	pCi/m3	U
2225	571519008	1/24/2022	Selenium-75	3.42E-04	4.35E-04	1.29E-03	pCi/m3	U
2225	575119009	2/22/2022	Selenium-75	-2.23E-04	2.47E-04	7.90E-04	pCi/m3	U
2225	580222008	3/21/2022	Selenium-75	2.75E-04	2.62E-04	8.73E-04	pCi/m3	U
2225	582716008	4/18/2022	Selenium-75	-1.23E-05	3.64E-04	1.16E-03	pCi/m3	U
2225	585173008	5/16/2022	Selenium-75	-3.76E-05	2.95E-04	9.17E-04	pCi/m3	U
2225	587312008	6/13/2022	Selenium-75	6.39E-04	5.38E-04	1.58E-03	pCi/m3	U
2225	592755009	7/11/2022	Selenium-75	-1.99E-04	4.47E-04	1.23E-03	pCi/m3	U
2225	594667008	8/8/2022	Selenium-75	-3.53E-04	3.16E-04	1.01E-03	pCi/m3	U
2225	600159010	9/6/2022	Selenium-75	-3.83E-05	3.76E-04	1.28E-03	pCi/m3	U
2225	600160008	10/3/2022	Selenium-75	-1.51E-04	3.76E-04	1.21E-03	pCi/m3	U
2225	606088010	10/31/2022	Selenium-75	5.56E-04	3.77E-04	1.31E-03	pCi/m3	U
2225	606540010	11/28/2022	Selenium-75	5.32E-04	3.62E-04	1.26E-03	pCi/m3	U
2225	609503010	12/27/2022	Selenium-75	-4.97E-04	3.30E-04	1.04E-03	pCi/m3	U
2225	571519008	1/24/2022	Silver-108m	-3.25E-04	2.32E-04	7.18E-04	pCi/m3	U
2225	575119009	2/22/2022	Silver-108m	1.67E-04	1.80E-04	6.30E-04	pCi/m3	U
2225	580222008	3/21/2022	Silver-108m	3.93E-04	1.45E-04	5.17E-04	pCi/m3	U
2225	582716008	4/18/2022	Silver-108m	-2.72E-04	2.37E-04	6.31E-04	pCi/m3	U
2225	585173008	5/16/2022	Silver-108m	-1.69E-04	1.75E-04	5.39E-04	pCi/m3	U
2225	587312008	6/13/2022	Silver-108m	-2.00E-05	3.81E-04	1.14E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	592755009	7/11/2022	Silver-108m	-1.57E-04	2.16E-04	6.58E-04	pCi/m3	U
2225	594667008	8/8/2022	Silver-108m	2.70E-05	1.98E-04	6.65E-04	pCi/m3	U
2225	600159010	9/6/2022	Silver-108m	-2.39E-04	2.12E-04	6.47E-04	pCi/m3	U
2225	600160008	10/3/2022	Silver-108m	-2.25E-04	2.54E-04	7.52E-04	pCi/m3	U
2225	606088010	10/31/2022	Silver-108m	-3.39E-04	2.04E-04	5.82E-04	pCi/m3	U
2225	606540010	11/28/2022	Silver-108m	-5.56E-05	2.00E-04	6.64E-04	pCi/m3	U
2225	609503010	12/27/2022	Silver-108m	-1.90E-04	1.69E-04	5.07E-04	pCi/m3	U
2225	571519008	1/24/2022	Silver-110m	5.17E-04	4.44E-04	1.54E-03	pCi/m3	U
2225	575119009	2/22/2022	Silver-110m	-3.19E-04	2.94E-04	7.10E-04	pCi/m3	U
2225	580222008	3/21/2022	Silver-110m	1.34E-04	2.78E-04	9.41E-04	pCi/m3	U
2225	582716008	4/18/2022	Silver-110m	1.42E-04	3.82E-04	1.30E-03	pCi/m3	U
2225	585173008	5/16/2022	Silver-110m	1.49E-04	3.04E-04	1.08E-03	pCi/m3	U
2225	587312008	6/13/2022	Silver-110m	-9.96E-04	7.58E-04	1.86E-03	pCi/m3	U
2225	592755009	7/11/2022	Silver-110m	-1.01E-04	5.00E-04	1.64E-03	pCi/m3	U
2225	594667008	8/8/2022	Silver-110m	-1.94E-04	3.78E-04	1.22E-03	pCi/m3	U
2225	600159010	9/6/2022	Silver-110m	2.18E-04	3.93E-04	1.42E-03	pCi/m3	U
2225	600160008	10/3/2022	Silver-110m	2.49E-04	4.25E-04	1.48E-03	pCi/m3	U
2225	606088010	10/31/2022	Silver-110m	-4.07E-04	4.84E-04	1.49E-03	pCi/m3	U
2225	606540010	11/28/2022	Silver-110m	1.70E-04	4.72E-04	1.40E-03	pCi/m3	U
2225	609503010	12/27/2022	Silver-110m	2.60E-06	3.44E-04	1.10E-03	pCi/m3	U
2225	571519008	1/24/2022	Tellurium-132	-4.89E-01	7.88E-01	0.00E+00	pCi/m3	U
2225	575119009	2/22/2022	Tellurium-132	-1.13E+00	1.14E+00	0.00E+00	pCi/m3	U
2225	580222008	3/21/2022	Tellurium-132	2.02E+01	3.65E+01	0.00E+00	pCi/m3	UI
2225	582716008	4/18/2022	Tellurium-132	-1.35E+02	7.76E+01	0.00E+00	pCi/m3	U
2225	585173008	5/16/2022	Tellurium-132	-7.16E+00	1.30E+01	0.00E+00	pCi/m3	U
2225	587312008	6/13/2022	Tellurium-132	6.25E+00	3.85E+00	0.00E+00	pCi/m3	UI
2225	592755009	7/11/2022	Tellurium-132	-3.56E+02	9.48E+02	0.00E+00	pCi/m3	U
2225	594667008	8/8/2022	Tellurium-132	-2.36E+00	1.08E+01	0.00E+00	pCi/m3	U
2225	600159010	9/6/2022	Tellurium-132	1.38E+02	2.23E+02	0.00E+00	pCi/m3	UI
2225	600160008	10/3/2022	Tellurium-132	-1.38E-01	8.63E-01	0.00E+00	pCi/m3	U
2225	606088010	10/31/2022	Tellurium-132	1.74E+02	2.73E+02	0.00E+00	pCi/m3	UI
2225	606540010	11/28/2022	Tellurium-132	-1.73E+00	2.48E+00	0.00E+00	pCi/m3	U
2225	609503010	12/27/2022	Tellurium-132	1.24E-01	1.87E+00	0.00E+00	pCi/m3	UI
2225	571519008	1/24/2022	Thallium-208	2.17E-04	6.58E-04	7.94E-04	pCi/m3	U
2225	575119009	2/22/2022	Thallium-208	2.57E-04	3.24E-04	6.07E-04	pCi/m3	U
2225	580222008	3/21/2022	Thallium-208	1.61E-04	2.39E-04	7.55E-04	pCi/m3	U
2225	582716008	4/18/2022	Thallium-208	-8.75E-04	3.48E-04	9.96E-04	pCi/m3	U
2225	585173008	5/16/2022	Thallium-208	6.30E-04	3.08E-04	5.87E-04	pCi/m3	UI
2225	587312008	6/13/2022	Thallium-208	-1.81E-04	4.78E-04	1.42E-03	pCi/m3	U
2225	592755009	7/11/2022	Thallium-208	1.11E-03	4.91E-04	9.85E-04	pCi/m3	UI
2225	594667008	8/8/2022	Thallium-208	6.70E-04	4.51E-04	8.03E-04	pCi/m3	U
2225	600159010	9/6/2022	Thallium-208	5.58E-05	4.39E-04	7.29E-04	pCi/m3	U
2225	600160008	10/3/2022	Thallium-208	-5.88E-04	3.87E-04	1.21E-03	pCi/m3	U
2225	606088010	10/31/2022	Thallium-208	-4.70E-05	3.14E-04	9.55E-04	pCi/m3	U
2225	606540010	11/28/2022	Thallium-208	4.05E-04	3.41E-04	1.23E-03	pCi/m3	U
2225	609503010	12/27/2022	Thallium-208	1.08E-03	4.10E-04	7.59E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	571519008	1/24/2022	Thorium-228	1.90E-03	1.02E-03	1.89E-03	pCi/m3	UI
2225	575119009	2/22/2022	Thorium-228	3.92E-04	5.03E-04	1.41E-03	pCi/m3	U
2225	580222008	3/21/2022	Thorium-228	1.37E-03	5.56E-04	1.09E-03	pCi/m3	UI
2225	582716008	4/18/2022	Thorium-228	6.62E-04	6.31E-04	1.66E-03	pCi/m3	U
2225	585173008	5/16/2022	Thorium-228	9.07E-04	5.12E-04	1.41E-03	pCi/m3	U
2225	587312008	6/13/2022	Thorium-228	1.63E-03	1.03E-03	2.54E-03	pCi/m3	U
2225	592755009	7/11/2022	Thorium-228	4.73E-04	5.90E-04	1.22E-03	pCi/m3	U
2225	594667008	8/8/2022	Thorium-228	-5.37E-04	5.25E-04	1.83E-03	pCi/m3	U
2225	600159010	9/6/2022	Thorium-228	4.19E-04	7.66E-04	1.09E-03	pCi/m3	U
2225	600160008	10/3/2022	Thorium-228	2.84E-03	1.13E-03	1.78E-03	pCi/m3	UI
2225	606088010	10/31/2022	Thorium-228	-7.52E-04	4.75E-04	1.37E-03	pCi/m3	U
2225	606540010	11/28/2022	Thorium-228	2.77E-03	8.35E-04	1.15E-03	pCi/m3	U
2225	609503010	12/27/2022	Thorium-228	1.08E-03	6.84E-04	1.87E-03	pCi/m3	U
2225	571519008	1/24/2022	Thorium-230	6.46E-04	7.45E-04	2.59E-03	pCi/m3	U
2225	575119009	2/22/2022	Thorium-230	4.83E-04	7.37E-04	1.77E-03	pCi/m3	U
2225	580222008	3/21/2022	Thorium-230	3.16E-04	5.41E-04	1.57E-03	pCi/m3	U
2225	582716008	4/18/2022	Thorium-230	6.58E-04	8.28E-04	2.87E-03	pCi/m3	U
2225	585173008	5/16/2022	Thorium-230	1.02E-03	1.05E-03	2.11E-03	pCi/m3	U
2225	587312008	6/13/2022	Thorium-230	-7.86E-04	1.16E-03	3.73E-03	pCi/m3	U
2225	592755009	7/11/2022	Thorium-230	4.46E-04	8.89E-04	2.77E-03	pCi/m3	U
2225	594667008	8/8/2022	Thorium-230	1.24E-03	1.71E-03	2.99E-03	pCi/m3	U
2225	600159010	9/6/2022	Thorium-230	-2.70E-05	5.88E-04	1.95E-03	pCi/m3	U
2225	600160008	10/3/2022	Thorium-230	2.55E-04	6.63E-04	2.19E-03	pCi/m3	U
2225	606088010	10/31/2022	Thorium-230	7.86E-04	7.78E-04	2.09E-03	pCi/m3	U
2225	606540010	11/28/2022	Thorium-230	3.30E-03	1.05E-03	1.15E-03	pCi/m3	U
2225	609503010	12/27/2022	Thorium-230	2.30E-03	9.64E-04	1.83E-03	pCi/m3	UI
2225	571519008	1/24/2022	Thorium-232	2.20E-03	1.37E-03	4.47E-03	pCi/m3	U
2225	575119009	2/22/2022	Thorium-232	2.07E-03	1.82E-03	4.66E-03	pCi/m3	U
2225	580222008	3/21/2022	Thorium-232	3.38E-03	1.35E-03	3.70E-03	pCi/m3	U
2225	582716008	4/18/2022	Thorium-232	1.17E-03	1.69E-03	6.16E-03	pCi/m3	U
2225	585173008	5/16/2022	Thorium-232	1.91E-03	1.31E-03	4.37E-03	pCi/m3	U
2225	587312008	6/13/2022	Thorium-232	2.00E-03	2.84E-03	6.87E-03	pCi/m3	U
2225	592755009	7/11/2022	Thorium-232	-1.96E-03	1.53E-03	4.27E-03	pCi/m3	U
2225	594667008	8/8/2022	Thorium-232	-1.04E-03	1.32E-03	4.24E-03	pCi/m3	U
2225	600159010	9/6/2022	Thorium-232	-3.52E-03	1.13E-03	2.89E-03	pCi/m3	U
2225	600160008	10/3/2022	Thorium-232	4.09E-05	2.27E-03	6.07E-03	pCi/m3	U
2225	606088010	10/31/2022	Thorium-232	-1.60E-03	1.34E-03	4.21E-03	pCi/m3	U
2225	606540010	11/28/2022	Thorium-232	-1.60E-03	1.35E-03	3.75E-03	pCi/m3	U
2225	609503010	12/27/2022	Thorium-232	2.58E-04	1.21E-03	3.84E-03	pCi/m3	U
2225	571519008	1/24/2022	Thorium-234	2.53E-03	1.77E-02	4.24E-02	pCi/m3	U
2225	575119009	2/22/2022	Thorium-234	-1.02E-02	9.93E-03	3.21E-02	pCi/m3	U
2225	580222008	3/21/2022	Thorium-234	7.93E-03	9.63E-03	1.70E-02	pCi/m3	U
2225	582716008	4/18/2022	Thorium-234	3.21E-03	1.20E-02	2.51E-02	pCi/m3	U
2225	585173008	5/16/2022	Thorium-234	-2.01E-02	8.02E-03	2.39E-02	pCi/m3	U
2225	587312008	6/13/2022	Thorium-234	1.95E-02	1.54E-02	2.09E-02	pCi/m3	U
2225	592755009	7/11/2022	Thorium-234	-5.83E-03	3.04E-03	1.04E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	594667008	8/8/2022	Thorium-234	-1.75E-02	7.22E-03	2.19E-02	pCi/m3	U
2225	600159010	9/6/2022	Thorium-234	4.36E-03	7.84E-03	2.55E-02	pCi/m3	U
2225	600160008	10/3/2022	Thorium-234	-7.40E-03	1.52E-02	4.80E-02	pCi/m3	U
2225	606088010	10/31/2022	Thorium-234	2.05E-02	1.90E-02	2.33E-02	pCi/m3	U
2225	606540010	11/28/2022	Thorium-234	2.82E-02	1.83E-02	3.42E-02	pCi/m3	U
2225	609503010	12/27/2022	Thorium-234	2.64E-04	5.13E-03	8.92E-03	pCi/m3	U
2225	571519008	1/24/2022	Uranium-234	6.46E-04	7.45E-04	2.59E-03	pCi/m3	U
2225	575119009	2/22/2022	Uranium-234	4.83E-04	7.37E-04	1.77E-03	pCi/m3	U
2225	580222008	3/21/2022	Uranium-234	3.16E-04	5.41E-04	1.57E-03	pCi/m3	U
2225	582716008	4/18/2022	Uranium-234	6.58E-04	8.28E-04	2.87E-03	pCi/m3	U
2225	585173008	5/16/2022	Uranium-234	1.02E-03	1.05E-03	2.11E-03	pCi/m3	U
2225	587312008	6/13/2022	Uranium-234	-7.86E-04	1.16E-03	3.73E-03	pCi/m3	U
2225	592755009	7/11/2022	Uranium-234	4.46E-04	8.89E-04	2.77E-03	pCi/m3	U
2225	594667008	8/8/2022	Uranium-234	1.24E-03	1.71E-03	2.99E-03	pCi/m3	U
2225	600159010	9/6/2022	Uranium-234	-2.70E-05	5.88E-04	1.95E-03	pCi/m3	U
2225	600160008	10/3/2022	Uranium-234	2.55E-04	6.63E-04	2.19E-03	pCi/m3	U
2225	606088010	10/31/2022	Uranium-234	7.86E-04	7.78E-04	2.09E-03	pCi/m3	U
2225	606540010	11/28/2022	Uranium-234	3.30E-03	1.05E-03	1.15E-03	pCi/m3	U
2225	609503010	12/27/2022	Uranium-234	2.30E-03	9.64E-04	1.83E-03	pCi/m3	UI
2225	571519008	1/24/2022	Zinc-65	7.50E-04	6.34E-04	2.04E-03	pCi/m3	U
2225	575119009	2/22/2022	Zinc-65	-4.08E-04	4.78E-04	1.42E-03	pCi/m3	U
2225	580222008	3/21/2022	Zinc-65	9.56E-04	3.97E-04	1.69E-03	pCi/m3	U
2225	582716008	4/18/2022	Zinc-65	9.28E-04	7.29E-04	2.86E-03	pCi/m3	U
2225	585173008	5/16/2022	Zinc-65	-8.58E-05	5.50E-04	1.76E-03	pCi/m3	U
2225	587312008	6/13/2022	Zinc-65	6.55E-04	1.20E-03	4.21E-03	pCi/m3	U
2225	592755009	7/11/2022	Zinc-65	4.84E-05	8.29E-04	2.75E-03	pCi/m3	U
2225	594667008	8/8/2022	Zinc-65	-4.62E-04	6.14E-04	1.84E-03	pCi/m3	U
2225	600159010	9/6/2022	Zinc-65	0.00E+00	6.71E-04	2.24E-03	pCi/m3	U
2225	600160008	10/3/2022	Zinc-65	2.85E-04	7.07E-04	2.39E-03	pCi/m3	U
2225	606088010	10/31/2022	Zinc-65	-1.87E-04	4.23E-04	1.25E-03	pCi/m3	U
2225	606540010	11/28/2022	Zinc-65	-8.43E-04	5.49E-04	1.45E-03	pCi/m3	U
2225	609503010	12/27/2022	Zinc-65	6.61E-04	5.14E-04	1.90E-03	pCi/m3	U
2225	571519008	1/24/2022	Zirconium-95	-9.71E-04	8.22E-04	2.37E-03	pCi/m3	U
2225	575119009	2/22/2022	Zirconium-95	8.33E-04	5.32E-04	1.98E-03	pCi/m3	U
2225	580222008	3/21/2022	Zirconium-95	-4.88E-04	4.64E-04	1.29E-03	pCi/m3	U
2225	582716008	4/18/2022	Zirconium-95	2.63E-03	9.90E-04	3.38E-03	pCi/m3	U
2225	585173008	5/16/2022	Zirconium-95	8.66E-04	6.70E-04	2.54E-03	pCi/m3	U
2225	587312008	6/13/2022	Zirconium-95	-3.89E-04	1.28E-03	3.97E-03	pCi/m3	U
2225	592755009	7/11/2022	Zirconium-95	-1.57E-04	1.21E-03	3.65E-03	pCi/m3	U
2225	594667008	8/8/2022	Zirconium-95	1.32E-03	7.37E-04	2.81E-03	pCi/m3	U
2225	600159010	9/6/2022	Zirconium-95	4.37E-04	9.34E-04	3.14E-03	pCi/m3	U
2225	600160008	10/3/2022	Zirconium-95	3.04E-04	7.26E-04	2.50E-03	pCi/m3	U
2225	606088010	10/31/2022	Zirconium-95	-4.90E-04	1.08E-03	3.27E-03	pCi/m3	U
2225	606540010	11/28/2022	Zirconium-95	8.13E-04	8.35E-04	2.93E-03	pCi/m3	U
2225	609503010	12/27/2022	Zirconium-95	-1.23E-05	6.07E-04	1.95E-03	pCi/m3	U
2229	571519009	1/24/2022	Actinium-228	8.33E-04	1.38E-03	4.19E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	575119008	2/22/2022	Actinium-228	4.42E-04	1.27E-03	4.45E-03	pCi/m3	U
2229	580222009	3/21/2022	Actinium-228	1.91E-03	1.42E-03	4.65E-03	pCi/m3	U
2229	582716009	4/18/2022	Actinium-228	6.52E-04	2.08E-03	5.28E-03	pCi/m3	U
2229	585173009	5/16/2022	Actinium-228	4.82E-05	1.40E-03	4.09E-03	pCi/m3	U
2229	587312004	6/13/2022	Actinium-228	5.36E-03	1.79E-03	4.87E-03	pCi/m3	UI
2229	592755003	7/11/2022	Actinium-228	-4.28E-05	1.26E-03	3.91E-03	pCi/m3	U
2229	594667009	8/8/2022	Actinium-228	-1.40E-03	1.57E-03	4.31E-03	pCi/m3	U
2229	600159002	9/6/2022	Actinium-228	5.89E-04	1.33E-03	4.47E-03	pCi/m3	U
2229	600160002	10/4/2022	Actinium-228	-4.20E-04	1.39E-03	4.30E-03	pCi/m3	U
2229	606088002	10/31/2022	Actinium-228	1.88E-03	1.63E-03	4.56E-03	pCi/m3	U
2229	606540002	11/28/2022	Actinium-228	3.67E-04	1.08E-03	3.57E-03	pCi/m3	U
2229	609503002	12/27/2022	Actinium-228	5.26E-03	1.73E-03	5.44E-03	pCi/m3	U
2229	571519009	1/24/2022	Americium-241	-8.83E-04	9.33E-04	2.87E-03	pCi/m3	U
2229	575119008	2/22/2022	Americium-241	-5.20E-04	6.67E-04	1.96E-03	pCi/m3	U
2229	580222009	3/21/2022	Americium-241	2.35E-03	1.24E-03	4.19E-03	pCi/m3	U
2229	582716009	4/18/2022	Americium-241	-2.07E-04	2.04E-04	5.42E-04	pCi/m3	U
2229	585173009	5/16/2022	Americium-241	-1.21E-04	9.02E-04	2.74E-03	pCi/m3	U
2229	587312004	6/13/2022	Americium-241	2.45E-04	1.75E-03	5.04E-03	pCi/m3	U
2229	592755003	7/11/2022	Americium-241	-6.66E-04	7.79E-04	2.28E-03	pCi/m3	U
2229	594667009	8/8/2022	Americium-241	-1.63E-04	1.52E-04	4.87E-04	pCi/m3	U
2229	600159002	9/6/2022	Americium-241	-6.47E-05	2.57E-04	6.67E-04	pCi/m3	U
2229	600160002	10/4/2022	Americium-241	-1.86E-03	1.58E-03	4.57E-03	pCi/m3	U
2229	606088002	10/31/2022	Americium-241	5.14E-04	8.63E-04	3.05E-03	pCi/m3	U
2229	606540002	11/28/2022	Americium-241	2.76E-04	5.23E-04	1.63E-03	pCi/m3	U
2229	609503002	12/27/2022	Americium-241	-2.64E-03	1.65E-03	4.98E-03	pCi/m3	U
2229	571519009	1/24/2022	Antimony-124	1.13E-03	1.11E-03	4.24E-03	pCi/m3	U
2229	575119008	2/22/2022	Antimony-124	1.36E-03	9.19E-04	3.63E-03	pCi/m3	U
2229	580222009	3/21/2022	Antimony-124	7.31E-04	1.37E-03	4.81E-03	pCi/m3	U
2229	582716009	4/18/2022	Antimony-124	5.12E-04	1.42E-03	5.04E-03	pCi/m3	U
2229	585173009	5/16/2022	Antimony-124	3.12E-04	9.24E-04	3.22E-03	pCi/m3	U
2229	587312004	6/13/2022	Antimony-124	8.91E-04	1.22E-03	4.39E-03	pCi/m3	U
2229	592755003	7/11/2022	Antimony-124	-4.44E-04	7.52E-04	2.00E-03	pCi/m3	U
2229	594667009	8/8/2022	Antimony-124	-1.32E-03	1.02E-03	2.22E-03	pCi/m3	U
2229	600159002	9/6/2022	Antimony-124	5.88E-04	1.08E-03	3.90E-03	pCi/m3	U
2229	600160002	10/4/2022	Antimony-124	8.03E-04	8.40E-04	3.07E-03	pCi/m3	U
2229	606088002	10/31/2022	Antimony-124	3.63E-04	1.42E-03	4.87E-03	pCi/m3	U
2229	606540002	11/28/2022	Antimony-124	-9.66E-04	1.07E-03	3.07E-03	pCi/m3	U
2229	609503002	12/27/2022	Antimony-124	1.14E-03	1.35E-03	4.81E-03	pCi/m3	U
2229	571519009	1/24/2022	Antimony-125	4.67E-04	6.92E-04	2.42E-03	pCi/m3	U
2229	575119008	2/22/2022	Antimony-125	2.00E-04	4.60E-04	1.60E-03	pCi/m3	U
2229	580222009	3/21/2022	Antimony-125	-3.42E-04	6.74E-04	2.15E-03	pCi/m3	U
2229	582716009	4/18/2022	Antimony-125	6.16E-04	7.02E-04	2.49E-03	pCi/m3	U
2229	585173009	5/16/2022	Antimony-125	-7.25E-04	6.62E-04	2.07E-03	pCi/m3	U
2229	587312004	6/13/2022	Antimony-125	-3.84E-04	7.52E-04	2.35E-03	pCi/m3	U
2229	592755003	7/11/2022	Antimony-125	1.05E-04	6.56E-04	2.23E-03	pCi/m3	U
2229	594667009	8/8/2022	Antimony-125	-2.95E-04	5.47E-04	1.73E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2229	600159002	9/6/2022	Antimony-125	6.99E-04	5.66E-04	2.06E-03	pCi/m3	U
2229	600160002	10/4/2022	Antimony-125	1.14E-04	5.41E-04	1.86E-03	pCi/m3	U
2229	606088002	10/31/2022	Antimony-125	3.83E-04	5.88E-04	2.04E-03	pCi/m3	U
2229	606540002	11/28/2022	Antimony-125	-5.31E-04	5.32E-04	1.40E-03	pCi/m3	U
2229	609503002	12/27/2022	Antimony-125	2.60E-04	7.15E-04	2.33E-03	pCi/m3	U
2229	571519009	1/24/2022	Barium-140	4.49E-04	7.64E-03	2.53E-02	pCi/m3	U
2229	575119008	2/22/2022	Barium-140	8.00E-03	5.38E-03	1.97E-02	pCi/m3	U
2229	580222009	3/21/2022	Barium-140	3.54E-02	2.18E-02	8.02E-02	pCi/m3	U
2229	582716009	4/18/2022	Barium-140	4.64E-02	2.13E-02	8.36E-02	pCi/m3	U
2229	585173009	5/16/2022	Barium-140	-1.26E-02	1.43E-02	4.43E-02	pCi/m3	U
2229	587312004	6/13/2022	Barium-140	1.93E-03	1.27E-02	3.93E-02	pCi/m3	U
2229	592755003	7/11/2022	Barium-140	3.07E-02	4.74E-02	1.45E-01	pCi/m3	U
2229	594667009	8/8/2022	Barium-140	-3.08E-03	1.34E-02	4.30E-02	pCi/m3	U
2229	600159002	9/6/2022	Barium-140	-5.98E-02	2.94E-02	7.84E-02	pCi/m3	U
2229	600160002	10/4/2022	Barium-140	4.05E-03	6.83E-03	2.21E-02	pCi/m3	U
2229	606088002	10/31/2022	Barium-140	-1.08E-02	2.71E-02	8.50E-02	pCi/m3	U
2229	606540002	11/28/2022	Barium-140	4.45E-03	6.75E-03	2.33E-02	pCi/m3	U
2229	609503002	12/27/2022	Barium-140	1.17E-02	1.05E-02	3.50E-02	pCi/m3	U
2229	571519009	1/24/2022	Beryllium-7	1.16E-01	1.09E-02	1.03E-02	pCi/m3	U
2229	575119008	2/22/2022	Beryllium-7	1.45E-01	9.08E-03	7.16E-03	pCi/m3	U
2229	580222009	3/21/2022	Beryllium-7	1.18E-01	1.14E-02	1.19E-02	pCi/m3	U
2229	582716009	4/18/2022	Beryllium-7	1.76E-01	1.27E-02	1.28E-02	pCi/m3	U
2229	585173009	5/16/2022	Beryllium-7	1.39E-01	1.07E-02	1.15E-02	pCi/m3	U
2229	587312004	6/13/2022	Beryllium-7	1.11E-01	1.05E-02	1.53E-02	pCi/m3	U
2229	592755003	7/11/2022	Beryllium-7	1.26E-01	1.43E-02	1.48E-02	pCi/m3	U
2229	594667009	8/8/2022	Beryllium-7	1.05E-01	1.04E-02	1.08E-02	pCi/m3	U
2229	600159002	9/6/2022	Beryllium-7	1.53E-01	1.29E-02	1.21E-02	pCi/m3	U
2229	600160002	10/4/2022	Beryllium-7	1.17E-01	7.73E-03	9.19E-03	pCi/m3	U
2229	606088002	10/31/2022	Beryllium-7	1.52E-01	1.27E-02	1.44E-02	pCi/m3	U
2229	606540002	11/28/2022	Beryllium-7	1.02E-01	9.46E-03	8.86E-03	pCi/m3	U
2229	609503002	12/27/2022	Beryllium-7	6.95E-02	8.77E-03	1.46E-02	pCi/m3	U
2229	566166017	1/4/2022	BETA	2.12E-02	1.44E-03	1.72E-03	pCi/m3	U
2229	566829007	1/10/2022	BETA	4.65E-02	2.21E-03	1.90E-03	pCi/m3	U
2229	567639019	1/18/2022	BETA	5.44E-02	2.08E-03	1.48E-03	pCi/m3	U
2229	568220017	1/24/2022	BETA	4.91E-02	2.31E-03	2.04E-03	pCi/m3	U
2229	568941017	1/31/2022	BETA	4.69E-02	2.11E-03	1.85E-03	pCi/m3	U
2229	569535017	2/8/2022	BETA	3.70E-02	1.86E-03	1.62E-03	pCi/m3	U
2229	570265003	2/14/2022	BETA	4.76E-02	2.14E-03	1.87E-03	pCi/m3	U
2229	571000015	2/22/2022	BETA	4.44E-02	1.95E-03	1.47E-03	pCi/m3	U
2229	571637017	2/28/2022	BETA	2.76E-02	1.78E-03	1.98E-03	pCi/m3	U
2229	572310015	3/7/2022	BETA	5.94E-02	2.36E-03	1.64E-03	pCi/m3	U
2229	573044017	3/14/2022	BETA	2.95E-02	1.64E-03	1.57E-03	pCi/m3	U
2229	573809017	3/21/2022	BETA	3.29E-02	1.75E-03	1.60E-03	pCi/m3	U
2229	574543017	3/28/2022	BETA	3.02E-02	1.67E-03	1.70E-03	pCi/m3	U
2229	575131017	4/4/2022	BETA	3.37E-02	1.76E-03	1.65E-03	pCi/m3	U
2229	576092003	4/11/2022	BETA	3.13E-02	1.82E-03	1.79E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	576835019	4/18/2022	BETA	3.38E-02	1.83E-03	1.76E-03	pCi/m3	
2229	577597017	4/25/2022	BETA	4.15E-02	2.07E-03	1.75E-03	pCi/m3	
2229	578409003	5/2/2022	BETA	4.20E-02	2.03E-03	1.71E-03	pCi/m3	
2229	579262001	5/9/2022	BETA	2.34E-02	1.60E-03	1.83E-03	pCi/m3	
2229	580035017	5/16/2022	BETA	2.93E-02	1.78E-03	2.01E-03	pCi/m3	
2229	580692017	5/23/2022	BETA	4.35E-02	2.09E-03	1.93E-03	pCi/m3	
2229	581372015	5/31/2022	BETA	2.57E-02	1.35E-03	1.23E-03	pCi/m3	
2229	581946017	6/6/2022	BETA	3.34E-02	1.74E-03	1.76E-03	pCi/m3	
2229	582788007	6/13/2022	BETA	2.59E-02	1.38E-03	1.27E-03	pCi/m3	
2229	583525012	6/21/2022	BETA	3.17E-02	1.42E-03	1.18E-03	pCi/m3	
2229	584134009	6/28/2022	BETA	3.49E-02	1.57E-03	1.24E-03	pCi/m3	
2229	584823017	7/5/2022	BETA	2.78E-02	1.47E-03	1.56E-03	pCi/m3	
2229	585557005	7/11/2022	BETA	2.48E-02	1.46E-03	1.47E-03	pCi/m3	
2229	586344017	7/18/2022	BETA	3.29E-02	1.52E-03	1.26E-03	pCi/m3	
2229	587147015	7/25/2022	BETA	2.74E-02	1.40E-03	1.26E-03	pCi/m3	
2229	587889017	8/2/2022	BETA	1.73E-02	1.06E-03	1.24E-03	pCi/m3	
2229	589386009	8/8/2022	BETA	2.38E-02	1.50E-03	1.84E-03	pCi/m3	
2229	589633017	8/15/2022	BETA	2.74E-02	1.38E-03	1.21E-03	pCi/m3	
2229	590523017	8/23/2022	BETA	4.12E-02	1.59E-03	1.08E-03	pCi/m3	
2229	591270017	8/29/2022	BETA	3.51E-02	1.71E-03	1.48E-03	pCi/m3	
2229	592020003	9/6/2022	BETA	2.64E-02	1.32E-03	1.25E-03	pCi/m3	
2229	592698003	9/12/2022	BETA	2.84E-02	1.62E-03	1.72E-03	pCi/m3	
2229	593605003	9/19/2022	BETA	4.28E-02	1.86E-03	1.55E-03	pCi/m3	
2229	594421003	9/26/2022	BETA	4.35E-02	1.83E-03	1.33E-03	pCi/m3	
2229	594992003	10/4/2022	BETA	2.67E-02	1.43E-03	1.42E-03	pCi/m3	
2229	596154021	10/11/2022	BETA	4.37E-02	1.80E-03	1.29E-03	pCi/m3	
2229	597078017	10/17/2022	BETA	4.33E-02	1.89E-03	1.59E-03	pCi/m3	
2229	597937003	10/24/2022	BETA	4.26E-02	1.77E-03	1.47E-03	pCi/m3	
2229	598805003	10/31/2022	BETA	2.83E-02	1.46E-03	1.45E-03	pCi/m3	
2229	599718003	11/7/2022	BETA	4.33E-02	1.76E-03	1.27E-03	pCi/m3	
2229	600677003	11/14/2022	BETA	3.37E-02	1.57E-03	1.28E-03	pCi/m3	
2229	601448007	11/21/2022	BETA	3.89E-02	1.62E-03	1.20E-03	pCi/m3	
2229	602118003	11/28/2022	BETA	4.77E-02	1.85E-03	1.31E-03	pCi/m3	
2229	602825005	12/5/2022	BETA	4.09E-02	1.76E-03	1.44E-03	pCi/m3	
2229	603752003	12/12/2022	BETA	2.28E-02	1.29E-03	1.26E-03	pCi/m3	
2229	604620003	12/19/2022	BETA	4.00E-02	1.68E-03	1.24E-03	pCi/m3	
2229	605322007	12/27/2022	BETA	3.87E-02	1.48E-03	9.88E-04	pCi/m3	
2229	571519009	1/24/2022	Bismuth-214	1.73E-03	1.11E-03	2.93E-03	pCi/m3	U
2229	575119008	2/22/2022	Bismuth-214	1.65E-03	8.92E-04	1.48E-03	pCi/m3	UI
2229	580222009	3/21/2022	Bismuth-214	6.53E-04	8.91E-04	2.25E-03	pCi/m3	U
2229	582716009	4/18/2022	Bismuth-214	-7.31E-04	6.73E-04	2.04E-03	pCi/m3	U
2229	585173009	5/16/2022	Bismuth-214	2.47E-05	1.16E-03	1.85E-03	pCi/m3	U
2229	587312004	6/13/2022	Bismuth-214	1.53E-04	8.13E-04	2.52E-03	pCi/m3	U
2229	592755003	7/11/2022	Bismuth-214	1.19E-03	7.83E-04	1.76E-03	pCi/m3	U
2229	594667009	8/8/2022	Bismuth-214	8.96E-04	5.91E-04	2.15E-03	pCi/m3	U
2229	600159002	9/6/2022	Bismuth-214	-9.32E-04	6.21E-04	1.54E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2229	600160002	10/4/2022	Bismuth-214	-1.31E-03	7.70E-04	2.31E-03	pCi/m3	U
2229	606088002	10/31/2022	Bismuth-214	1.15E-03	8.86E-04	1.64E-03	pCi/m3	U
2229	606540002	11/28/2022	Bismuth-214	1.13E-03	9.33E-04	1.75E-03	pCi/m3	U
2229	609503002	12/27/2022	Bismuth-214	9.90E-04	6.81E-04	2.39E-03	pCi/m3	U
2229	571519009	1/24/2022	Cerium-141	-9.02E-04	5.42E-04	1.62E-03	pCi/m3	U
2229	575119008	2/22/2022	Cerium-141	-6.71E-05	6.13E-04	1.88E-03	pCi/m3	U
2229	580222009	3/21/2022	Cerium-141	1.48E-04	9.72E-04	3.08E-03	pCi/m3	U
2229	582716009	4/18/2022	Cerium-141	3.85E-04	7.54E-04	2.37E-03	pCi/m3	U
2229	585173009	5/16/2022	Cerium-141	-1.58E-03	8.69E-04	2.53E-03	pCi/m3	U
2229	587312004	6/13/2022	Cerium-141	-1.20E-03	7.86E-04	2.20E-03	pCi/m3	U
2229	592755003	7/11/2022	Cerium-141	-6.52E-04	1.18E-03	3.41E-03	pCi/m3	U
2229	594667009	8/8/2022	Cerium-141	1.18E-03	5.48E-04	2.01E-03	pCi/m3	U
2229	600159002	9/6/2022	Cerium-141	-2.30E-04	1.00E-03	3.13E-03	pCi/m3	U
2229	600160002	10/4/2022	Cerium-141	2.80E-04	7.00E-04	1.99E-03	pCi/m3	U
2229	606088002	10/31/2022	Cerium-141	7.90E-04	2.28E-03	3.17E-03	pCi/m3	U
2229	606540002	11/28/2022	Cerium-141	6.49E-04	5.14E-04	1.63E-03	pCi/m3	U
2229	609503002	12/27/2022	Cerium-141	-7.71E-04	9.14E-04	2.61E-03	pCi/m3	U
2229	571519009	1/24/2022	Cerium-144	-1.69E-03	1.10E-03	2.98E-03	pCi/m3	U
2229	575119008	2/22/2022	Cerium-144	5.41E-04	9.44E-04	3.14E-03	pCi/m3	U
2229	580222009	3/21/2022	Cerium-144	-4.85E-04	1.36E-03	4.20E-03	pCi/m3	U
2229	582716009	4/18/2022	Cerium-144	7.01E-04	1.01E-03	3.44E-03	pCi/m3	U
2229	585173009	5/16/2022	Cerium-144	1.37E-04	1.28E-03	4.12E-03	pCi/m3	U
2229	587312004	6/13/2022	Cerium-144	-2.43E-03	1.22E-03	3.70E-03	pCi/m3	U
2229	592755003	7/11/2022	Cerium-144	1.45E-03	1.34E-03	4.54E-03	pCi/m3	U
2229	594667009	8/8/2022	Cerium-144	1.01E-03	9.11E-04	3.17E-03	pCi/m3	U
2229	600159002	9/6/2022	Cerium-144	1.71E-04	1.15E-03	3.70E-03	pCi/m3	U
2229	600160002	10/4/2022	Cerium-144	-1.20E-03	1.25E-03	3.73E-03	pCi/m3	U
2229	606088002	10/31/2022	Cerium-144	-9.90E-04	1.17E-03	3.67E-03	pCi/m3	U
2229	606540002	11/28/2022	Cerium-144	3.27E-04	9.64E-04	3.11E-03	pCi/m3	U
2229	609503002	12/27/2022	Cerium-144	-2.04E-03	1.40E-03	4.44E-03	pCi/m3	U
2229	571519009	1/24/2022	Cesium-134	5.82E-04	2.54E-04	1.04E-03	pCi/m3	U
2229	575119008	2/22/2022	Cesium-134	1.39E-04	2.06E-04	7.19E-04	pCi/m3	U
2229	580222009	3/21/2022	Cesium-134	1.53E-04	3.06E-04	1.03E-03	pCi/m3	U
2229	582716009	4/18/2022	Cesium-134	4.29E-04	4.12E-04	1.44E-03	pCi/m3	U
2229	585173009	5/16/2022	Cesium-134	1.15E-03	3.74E-04	1.08E-03	pCi/m3	UI
2229	587312004	6/13/2022	Cesium-134	6.28E-06	2.44E-04	8.28E-04	pCi/m3	U
2229	592755003	7/11/2022	Cesium-134	3.50E-04	6.56E-04	1.01E-03	pCi/m3	U
2229	594667009	8/8/2022	Cesium-134	8.12E-05	3.58E-04	1.11E-03	pCi/m3	U
2229	600159002	9/6/2022	Cesium-134	2.11E-04	2.40E-04	8.59E-04	pCi/m3	U
2229	600160002	10/4/2022	Cesium-134	9.62E-05	3.05E-04	9.97E-04	pCi/m3	U
2229	606088002	10/31/2022	Cesium-134	4.52E-04	2.97E-04	1.12E-03	pCi/m3	U
2229	606540002	11/28/2022	Cesium-134	9.41E-05	2.66E-04	8.75E-04	pCi/m3	U
2229	609503002	12/27/2022	Cesium-134	6.14E-04	3.54E-04	1.33E-03	pCi/m3	U
2229	571519009	1/24/2022	Cesium-137	2.43E-04	2.68E-04	9.39E-04	pCi/m3	U
2229	575119008	2/22/2022	Cesium-137	-1.47E-04	2.20E-04	5.83E-04	pCi/m3	U
2229	580222009	3/21/2022	Cesium-137	9.30E-06	3.18E-04	1.01E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	582716009	4/18/2022	Cesium-137	-1.47E-04	3.36E-04	9.74E-04	pCi/m3	U
2229	585173009	5/16/2022	Cesium-137	-4.80E-05	2.39E-04	7.65E-04	pCi/m3	U
2229	587312004	6/13/2022	Cesium-137	-3.23E-05	3.63E-04	1.05E-03	pCi/m3	U
2229	592755003	7/11/2022	Cesium-137	-2.12E-04	2.72E-04	7.19E-04	pCi/m3	U
2229	594667009	8/8/2022	Cesium-137	2.39E-04	5.31E-04	9.51E-04	pCi/m3	U
2229	600159002	9/6/2022	Cesium-137	2.14E-04	2.88E-04	9.92E-04	pCi/m3	U
2229	600160002	10/4/2022	Cesium-137	2.43E-06	2.80E-04	7.98E-04	pCi/m3	U
2229	606088002	10/31/2022	Cesium-137	-6.35E-04	2.99E-04	6.87E-04	pCi/m3	U
2229	606540002	11/28/2022	Cesium-137	2.97E-04	2.89E-04	6.40E-04	pCi/m3	U
2229	609503002	12/27/2022	Cesium-137	-3.66E-05	3.18E-04	1.01E-03	pCi/m3	U
2229	571519009	1/24/2022	Chromium-51	-5.73E-03	4.14E-03	1.29E-02	pCi/m3	U
2229	575119008	2/22/2022	Chromium-51	1.60E-03	3.85E-03	1.35E-02	pCi/m3	U
2229	580222009	3/21/2022	Chromium-51	-5.77E-03	7.56E-03	2.42E-02	pCi/m3	U
2229	582716009	4/18/2022	Chromium-51	-1.55E-03	7.28E-03	2.45E-02	pCi/m3	U
2229	585173009	5/16/2022	Chromium-51	-7.13E-03	6.24E-03	2.00E-02	pCi/m3	U
2229	587312004	6/13/2022	Chromium-51	-4.55E-03	5.57E-03	1.74E-02	pCi/m3	U
2229	592755003	7/11/2022	Chromium-51	-1.65E-03	1.02E-02	3.45E-02	pCi/m3	U
2229	594667009	8/8/2022	Chromium-51	-9.81E-04	5.50E-03	1.86E-02	pCi/m3	U
2229	600159002	9/6/2022	Chromium-51	5.33E-03	8.44E-03	2.95E-02	pCi/m3	U
2229	600160002	10/4/2022	Chromium-51	-5.80E-04	4.29E-03	1.38E-02	pCi/m3	U
2229	606088002	10/31/2022	Chromium-51	-1.99E-02	1.04E-02	2.76E-02	pCi/m3	U
2229	606540002	11/28/2022	Chromium-51	5.06E-02	1.24E-02	1.22E-02	pCi/m3	UI
2229	609503002	12/27/2022	Chromium-51	6.14E-04	6.09E-03	2.02E-02	pCi/m3	U
2229	571519009	1/24/2022	Cobalt-57	8.56E-05	1.35E-04	4.70E-04	pCi/m3	U
2229	575119008	2/22/2022	Cobalt-57	3.49E-05	1.08E-04	3.55E-04	pCi/m3	U
2229	580222009	3/21/2022	Cobalt-57	-8.47E-05	1.71E-04	5.26E-04	pCi/m3	U
2229	582716009	4/18/2022	Cobalt-57	1.36E-04	1.15E-04	4.04E-04	pCi/m3	U
2229	585173009	5/16/2022	Cobalt-57	-3.66E-05	1.67E-04	5.31E-04	pCi/m3	U
2229	587312004	6/13/2022	Cobalt-57	-2.49E-04	1.59E-04	4.94E-04	pCi/m3	U
2229	592755003	7/11/2022	Cobalt-57	-9.65E-05	1.50E-04	4.72E-04	pCi/m3	U
2229	594667009	8/8/2022	Cobalt-57	-2.78E-05	1.05E-04	3.40E-04	pCi/m3	U
2229	600159002	9/6/2022	Cobalt-57	1.25E-04	1.30E-04	4.40E-04	pCi/m3	U
2229	600160002	10/4/2022	Cobalt-57	1.03E-04	1.66E-04	5.41E-04	pCi/m3	U
2229	606088002	10/31/2022	Cobalt-57	1.96E-04	1.50E-04	5.26E-04	pCi/m3	U
2229	606540002	11/28/2022	Cobalt-57	1.30E-04	1.13E-04	3.84E-04	pCi/m3	U
2229	609503002	12/27/2022	Cobalt-57	-1.38E-05	1.94E-04	6.52E-04	pCi/m3	U
2229	571519009	1/24/2022	Cobalt-58	-4.42E-04	2.98E-04	8.00E-04	pCi/m3	U
2229	575119008	2/22/2022	Cobalt-58	6.29E-04	2.67E-04	1.08E-03	pCi/m3	U
2229	580222009	3/21/2022	Cobalt-58	6.23E-04	4.91E-04	1.76E-03	pCi/m3	U
2229	582716009	4/18/2022	Cobalt-58	-1.52E-04	4.50E-04	1.47E-03	pCi/m3	U
2229	585173009	5/16/2022	Cobalt-58	-1.98E-04	4.26E-04	1.31E-03	pCi/m3	U
2229	587312004	6/13/2022	Cobalt-58	-5.33E-04	3.74E-04	1.05E-03	pCi/m3	U
2229	592755003	7/11/2022	Cobalt-58	-4.25E-04	4.81E-04	1.41E-03	pCi/m3	U
2229	594667009	8/8/2022	Cobalt-58	8.52E-04	4.68E-04	1.74E-03	pCi/m3	U
2229	600159002	9/6/2022	Cobalt-58	-6.95E-04	4.94E-04	1.31E-03	pCi/m3	U
2229	600160002	10/4/2022	Cobalt-58	3.09E-04	4.03E-04	1.27E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	606088002	10/31/2022	Cobalt-58	4.42E-04	4.33E-04	1.58E-03	pCi/m3	U
2229	606540002	11/28/2022	Cobalt-58	1.10E-03	2.59E-04	8.13E-04	pCi/m3	UI
2229	609503002	12/27/2022	Cobalt-58	2.64E-04	3.77E-04	1.20E-03	pCi/m3	U
2229	571519009	1/24/2022	Cobalt-60	-2.35E-04	2.52E-04	6.29E-04	pCi/m3	U
2229	575119008	2/22/2022	Cobalt-60	-2.73E-05	2.00E-04	6.54E-04	pCi/m3	U
2229	580222009	3/21/2022	Cobalt-60	2.58E-04	3.10E-04	1.14E-03	pCi/m3	U
2229	582716009	4/18/2022	Cobalt-60	-1.31E-04	4.44E-04	1.38E-03	pCi/m3	U
2229	585173009	5/16/2022	Cobalt-60	-1.98E-05	1.75E-04	5.71E-04	pCi/m3	U
2229	587312004	6/13/2022	Cobalt-60	4.23E-04	3.32E-04	1.26E-03	pCi/m3	U
2229	592755003	7/11/2022	Cobalt-60	-2.16E-04	2.96E-04	9.00E-04	pCi/m3	U
2229	594667009	8/8/2022	Cobalt-60	5.68E-04	3.56E-04	1.41E-03	pCi/m3	U
2229	600159002	9/6/2022	Cobalt-60	4.17E-04	3.43E-04	1.29E-03	pCi/m3	U
2229	600160002	10/4/2022	Cobalt-60	-4.86E-05	2.66E-04	8.80E-04	pCi/m3	U
2229	606088002	10/31/2022	Cobalt-60	-1.59E-05	3.03E-04	9.65E-04	pCi/m3	U
2229	606540002	11/28/2022	Cobalt-60	2.31E-04	2.45E-04	9.03E-04	pCi/m3	U
2229	609503002	12/27/2022	Cobalt-60	2.58E-04	3.84E-04	1.23E-03	pCi/m3	U
2229	571519009	1/24/2022	Iron-59	1.50E-03	1.07E-03	4.03E-03	pCi/m3	U
2229	575119008	2/22/2022	Iron-59	3.20E-04	7.29E-04	2.59E-03	pCi/m3	U
2229	580222009	3/21/2022	Iron-59	-3.29E-04	1.06E-03	3.39E-03	pCi/m3	U
2229	582716009	4/18/2022	Iron-59	2.46E-04	1.28E-03	4.34E-03	pCi/m3	U
2229	585173009	5/16/2022	Iron-59	-9.37E-04	1.14E-03	3.64E-03	pCi/m3	U
2229	587312004	6/13/2022	Iron-59	9.85E-04	1.24E-03	4.19E-03	pCi/m3	U
2229	592755003	7/11/2022	Iron-59	8.83E-04	1.09E-03	4.09E-03	pCi/m3	U
2229	594667009	8/8/2022	Iron-59	-1.29E-03	1.21E-03	3.38E-03	pCi/m3	U
2229	600159002	9/6/2022	Iron-59	-4.48E-04	1.29E-03	4.13E-03	pCi/m3	U
2229	600160002	10/4/2022	Iron-59	-1.28E-04	8.19E-04	2.64E-03	pCi/m3	U
2229	606088002	10/31/2022	Iron-59	-2.41E-04	1.29E-03	4.12E-03	pCi/m3	U
2229	606540002	11/28/2022	Iron-59	-3.56E-04	8.25E-04	2.62E-03	pCi/m3	U
2229	609503002	12/27/2022	Iron-59	-4.12E-05	1.19E-03	3.90E-03	pCi/m3	U
2229	571519009	1/24/2022	Lanthanum-140	2.68E-03	2.36E-03	9.35E-03	pCi/m3	U
2229	575119008	2/22/2022	Lanthanum-140	4.29E-03	2.92E-03	1.14E-02	pCi/m3	U
2229	580222009	3/21/2022	Lanthanum-140	-3.65E-03	7.74E-03	2.31E-02	pCi/m3	U
2229	582716009	4/18/2022	Lanthanum-140	2.07E-02	1.05E-02	4.44E-02	pCi/m3	U
2229	585173009	5/16/2022	Lanthanum-140	4.97E-04	3.29E-03	1.12E-02	pCi/m3	U
2229	587312004	6/13/2022	Lanthanum-140	-3.38E-04	3.86E-03	1.24E-02	pCi/m3	U
2229	592755003	7/11/2022	Lanthanum-140	4.51E-03	1.00E-02	3.62E-02	pCi/m3	U
2229	594667009	8/8/2022	Lanthanum-140	6.79E-03	5.36E-03	2.17E-02	pCi/m3	U
2229	600159002	9/6/2022	Lanthanum-140	8.28E-03	1.05E-02	3.88E-02	pCi/m3	U
2229	600160002	10/4/2022	Lanthanum-140	3.06E-03	2.15E-03	8.20E-03	pCi/m3	U
2229	606088002	10/31/2022	Lanthanum-140	2.94E-03	1.35E-02	4.61E-02	pCi/m3	U
2229	606540002	11/28/2022	Lanthanum-140	-1.26E-03	3.06E-03	9.25E-03	pCi/m3	U
2229	609503002	12/27/2022	Lanthanum-140	7.38E-04	3.99E-03	1.33E-02	pCi/m3	U
2229	571519009	1/24/2022	Lead-210	-8.00E-02	4.95E-02	1.31E-01	pCi/m3	U
2229	575119008	2/22/2022	Lead-210	3.50E-02	2.58E-02	4.56E-02	pCi/m3	U
2229	580222009	3/21/2022	Lead-210	7.74E-02	4.55E-02	1.62E-01	pCi/m3	U
2229	582716009	4/18/2022	Lead-210	1.15E-02	4.33E-03	5.84E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	585173009	5/16/2022	Lead-210	-1.24E-02	2.72E-02	8.27E-02	pCi/m3	U
2229	587312004	6/13/2022	Lead-210	-2.63E-03	6.11E-02	1.71E-01	pCi/m3	U
2229	592755003	7/11/2022	Lead-210	2.32E-02	2.50E-02	8.35E-02	pCi/m3	U
2229	594667009	8/8/2022	Lead-210	1.12E-02	4.40E-03	4.85E-03	pCi/m3	U
2229	600159002	9/6/2022	Lead-210	2.98E-02	4.33E-03	6.59E-03	pCi/m3	U
2229	600160002	10/4/2022	Lead-210	6.83E-03	4.64E-02	1.57E-01	pCi/m3	U
2229	606088002	10/31/2022	Lead-210	1.43E-01	5.45E-02	8.50E-02	pCi/m3	U
2229	606540002	11/28/2022	Lead-210	3.25E-02	1.78E-02	2.98E-02	pCi/m3	UI
2229	609503002	12/27/2022	Lead-210	6.94E-02	4.71E-02	1.55E-01	pCi/m3	U
2229	571519009	1/24/2022	Lead-212	7.46E-04	6.18E-04	8.82E-04	pCi/m3	U
2229	575119008	2/22/2022	Lead-212	7.16E-04	6.65E-04	8.32E-04	pCi/m3	U
2229	580222009	3/21/2022	Lead-212	3.75E-04	4.84E-04	1.66E-03	pCi/m3	U
2229	582716009	4/18/2022	Lead-212	1.05E-03	7.24E-04	1.04E-03	pCi/m3	UI
2229	585173009	5/16/2022	Lead-212	1.36E-03	7.16E-04	1.71E-03	pCi/m3	U
2229	587312004	6/13/2022	Lead-212	9.17E-04	8.05E-04	1.73E-03	pCi/m3	U
2229	592755003	7/11/2022	Lead-212	4.50E-05	4.41E-04	1.31E-03	pCi/m3	U
2229	594667009	8/8/2022	Lead-212	8.56E-04	4.68E-04	1.32E-03	pCi/m3	U
2229	600159002	9/6/2022	Lead-212	1.47E-04	8.07E-04	1.73E-03	pCi/m3	U
2229	600160002	10/4/2022	Lead-212	-8.26E-04	4.38E-04	1.40E-03	pCi/m3	U
2229	606088002	10/31/2022	Lead-212	-2.28E-04	4.69E-04	1.44E-03	pCi/m3	U
2229	606540002	11/28/2022	Lead-212	9.40E-04	4.21E-04	1.28E-03	pCi/m3	U
2229	609503002	12/27/2022	Lead-212	6.40E-04	5.99E-04	1.37E-03	pCi/m3	U
2229	571519009	1/24/2022	Lead-214	2.05E-03	1.03E-03	1.48E-03	pCi/m3	UI
2229	575119008	2/22/2022	Lead-214	1.86E-04	5.17E-04	1.78E-03	pCi/m3	U
2229	580222009	3/21/2022	Lead-214	1.91E-03	9.00E-04	1.66E-03	pCi/m3	UI
2229	582716009	4/18/2022	Lead-214	2.04E-03	6.70E-04	1.98E-03	pCi/m3	UI
2229	585173009	5/16/2022	Lead-214	5.53E-04	6.29E-04	2.00E-03	pCi/m3	U
2229	587312004	6/13/2022	Lead-214	4.88E-04	5.79E-04	1.91E-03	pCi/m3	U
2229	592755003	7/11/2022	Lead-214	8.28E-04	9.29E-04	1.99E-03	pCi/m3	U
2229	594667009	8/8/2022	Lead-214	-5.08E-04	5.63E-04	1.72E-03	pCi/m3	U
2229	600159002	9/6/2022	Lead-214	-7.48E-04	5.94E-04	1.69E-03	pCi/m3	U
2229	600160002	10/4/2022	Lead-214	-1.04E-03	6.11E-04	1.83E-03	pCi/m3	U
2229	606088002	10/31/2022	Lead-214	1.25E-03	8.27E-04	1.87E-03	pCi/m3	U
2229	606540002	11/28/2022	Lead-214	6.75E-04	7.22E-04	1.67E-03	pCi/m3	U
2229	609503002	12/27/2022	Lead-214	2.10E-03	7.82E-04	1.66E-03	pCi/m3	U
2229	571519009	1/24/2022	Manganese-54	-5.22E-05	2.55E-04	8.37E-04	pCi/m3	U
2229	575119008	2/22/2022	Manganese-54	5.81E-05	2.12E-04	7.03E-04	pCi/m3	U
2229	580222009	3/21/2022	Manganese-54	1.18E-04	3.25E-04	1.07E-03	pCi/m3	U
2229	582716009	4/18/2022	Manganese-54	-1.27E-04	3.10E-04	1.00E-03	pCi/m3	U
2229	585173009	5/16/2022	Manganese-54	3.02E-04	2.69E-04	9.63E-04	pCi/m3	U
2229	587312004	6/13/2022	Manganese-54	-3.11E-04	3.29E-04	1.02E-03	pCi/m3	U
2229	592755003	7/11/2022	Manganese-54	-5.48E-06	3.59E-04	1.15E-03	pCi/m3	U
2229	594667009	8/8/2022	Manganese-54	-7.57E-05	2.27E-04	7.31E-04	pCi/m3	U
2229	600159002	9/6/2022	Manganese-54	-3.42E-05	3.13E-04	8.68E-04	pCi/m3	U
2229	600160002	10/4/2022	Manganese-54	4.37E-04	2.88E-04	9.63E-04	pCi/m3	U
2229	606088002	10/31/2022	Manganese-54	1.15E-05	2.53E-04	8.52E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2229	606540002	11/28/2022	Manganese-54	-1.32E-04	2.39E-04	7.75E-04	pCi/m3	U
2229	609503002	12/27/2022	Manganese-54	-5.40E-04	3.98E-04	9.56E-04	pCi/m3	U
2229	571519009	1/24/2022	Molybdenum-99	-1.42E+01	2.41E+01	0.00E+00	pCi/m3	U
2229	575119008	2/22/2022	Molybdenum-99	-4.29E+01	6.27E+01	0.00E+00	pCi/m3	U
2229	580222009	3/21/2022	Molybdenum-99	1.22E+04	5.96E+03	0.00E+00	pCi/m3	UI
2229	582716009	4/18/2022	Molybdenum-99	6.66E+03	7.24E+03	0.00E+00	pCi/m3	UI
2229	585173009	5/16/2022	Molybdenum-99	8.51E+02	1.13E+03	0.00E+00	pCi/m3	UI
2229	587312004	6/13/2022	Molybdenum-99	4.81E+02	1.53E+02	0.00E+00	pCi/m3	UI
2229	592755003	7/11/2022	Molybdenum-99	-1.88E+05	1.36E+05	0.00E+00	pCi/m3	U
2229	594667009	8/8/2022	Molybdenum-99	-1.12E+03	9.45E+02	0.00E+00	pCi/m3	U
2229	600159002	9/6/2022	Molybdenum-99	3.47E+01	2.66E+04	0.00E+00	pCi/m3	UI
2229	600160002	10/4/2022	Molybdenum-99	-2.89E+01	2.42E+01	0.00E+00	pCi/m3	U
2229	606088002	10/31/2022	Molybdenum-99	1.75E+04	3.29E+04	0.00E+00	pCi/m3	UI
2229	606540002	11/28/2022	Molybdenum-99	-3.22E+01	9.79E+01	0.00E+00	pCi/m3	U
2229	609503002	12/27/2022	Molybdenum-99	-1.21E+02	1.32E+02	0.00E+00	pCi/m3	U
2229	571519009	1/24/2022	Niobium-95	6.16E-05	3.45E-04	1.19E-03	pCi/m3	U
2229	575119008	2/22/2022	Niobium-95	1.21E-04	3.54E-04	1.09E-03	pCi/m3	U
2229	580222009	3/21/2022	Niobium-95	2.29E-06	6.04E-04	1.91E-03	pCi/m3	U
2229	582716009	4/18/2022	Niobium-95	4.57E-04	4.98E-04	1.76E-03	pCi/m3	U
2229	585173009	5/16/2022	Niobium-95	5.17E-04	5.43E-04	1.80E-03	pCi/m3	U
2229	587312004	6/13/2022	Niobium-95	1.83E-04	3.50E-04	1.25E-03	pCi/m3	U
2229	592755003	7/11/2022	Niobium-95	3.44E-04	5.32E-04	1.82E-03	pCi/m3	U
2229	594667009	8/8/2022	Niobium-95	7.97E-04	4.45E-04	1.70E-03	pCi/m3	U
2229	600159002	9/6/2022	Niobium-95	-2.37E-04	4.91E-04	1.49E-03	pCi/m3	U
2229	600160002	10/4/2022	Niobium-95	1.94E-04	3.98E-04	1.29E-03	pCi/m3	U
2229	606088002	10/31/2022	Niobium-95	2.65E-04	4.12E-04	1.47E-03	pCi/m3	U
2229	606540002	11/28/2022	Niobium-95	7.91E-04	3.45E-04	1.32E-03	pCi/m3	U
2229	609503002	12/27/2022	Niobium-95	8.20E-04	4.87E-04	1.81E-03	pCi/m3	U
2229	571519009	1/24/2022	Potassium-40	-2.28E-03	5.08E-03	1.61E-02	pCi/m3	U
2229	575119008	2/22/2022	Potassium-40	4.24E-03	4.70E-03	8.81E-03	pCi/m3	U
2229	580222009	3/21/2022	Potassium-40	-1.91E-03	4.61E-03	1.52E-02	pCi/m3	U
2229	582716009	4/18/2022	Potassium-40	2.03E-04	5.27E-03	1.94E-02	pCi/m3	U
2229	585173009	5/16/2022	Potassium-40	1.93E-04	4.53E-03	4.95E-03	pCi/m3	U
2229	587312004	6/13/2022	Potassium-40	-4.35E-03	4.43E-03	1.51E-02	pCi/m3	U
2229	592755003	7/11/2022	Potassium-40	1.46E-02	4.62E-03	7.69E-03	pCi/m3	U
2229	594667009	8/8/2022	Potassium-40	3.89E-03	1.11E-02	1.42E-02	pCi/m3	U
2229	600159002	9/6/2022	Potassium-40	5.92E-03	5.42E-03	2.03E-02	pCi/m3	U
2229	600160002	10/4/2022	Potassium-40	1.57E-02	5.19E-03	9.27E-03	pCi/m3	U
2229	606088002	10/31/2022	Potassium-40	2.03E-02	6.00E-03	6.70E-03	pCi/m3	U
2229	606540002	11/28/2022	Potassium-40	1.00E-02	4.34E-03	9.78E-03	pCi/m3	UI
2229	609503002	12/27/2022	Potassium-40	9.78E-03	4.30E-03	9.33E-03	pCi/m3	UI
2229	571519009	1/24/2022	Radium-226	1.73E-03	1.11E-03	2.93E-03	pCi/m3	U
2229	575119008	2/22/2022	Radium-226	1.65E-03	8.92E-04	1.48E-03	pCi/m3	UI
2229	580222009	3/21/2022	Radium-226	6.53E-04	8.91E-04	2.25E-03	pCi/m3	U
2229	582716009	4/18/2022	Radium-226	-7.31E-04	6.73E-04	2.04E-03	pCi/m3	U
2229	585173009	5/16/2022	Radium-226	2.47E-05	1.16E-03	1.85E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2229	587312004	6/13/2022	Radium-226	1.53E-04	8.13E-04	2.52E-03	pCi/m3	U
2229	592755003	7/11/2022	Radium-226	1.19E-03	7.83E-04	1.76E-03	pCi/m3	U
2229	594667009	8/8/2022	Radium-226	8.96E-04	5.91E-04	2.15E-03	pCi/m3	U
2229	600159002	9/6/2022	Radium-226	-7.48E-04	5.94E-04	1.69E-03	pCi/m3	U
2229	600160002	10/4/2022	Radium-226	-1.04E-03	6.11E-04	1.83E-03	pCi/m3	U
2229	606088002	10/31/2022	Radium-226	1.25E-03	8.27E-04	1.87E-03	pCi/m3	U
2229	606540002	11/28/2022	Radium-226	6.75E-04	7.22E-04	1.67E-03	pCi/m3	U
2229	609503002	12/27/2022	Radium-226	2.10E-03	7.82E-04	1.66E-03	pCi/m3	U
2229	571519009	1/24/2022	Radium-228	8.33E-04	1.38E-03	4.19E-03	pCi/m3	U
2229	575119008	2/22/2022	Radium-228	4.42E-04	1.27E-03	4.45E-03	pCi/m3	U
2229	580222009	3/21/2022	Radium-228	1.91E-03	1.42E-03	4.65E-03	pCi/m3	U
2229	582716009	4/18/2022	Radium-228	6.52E-04	2.08E-03	5.28E-03	pCi/m3	U
2229	585173009	5/16/2022	Radium-228	4.82E-05	1.40E-03	4.09E-03	pCi/m3	U
2229	587312004	6/13/2022	Radium-228	5.36E-03	1.79E-03	4.87E-03	pCi/m3	UI
2229	592755003	7/11/2022	Radium-228	-4.28E-05	1.26E-03	3.91E-03	pCi/m3	U
2229	594667009	8/8/2022	Radium-228	-1.40E-03	1.57E-03	4.31E-03	pCi/m3	U
2229	600159002	9/6/2022	Radium-228	5.89E-04	1.33E-03	4.47E-03	pCi/m3	U
2229	600160002	10/4/2022	Radium-228	-4.20E-04	1.39E-03	4.30E-03	pCi/m3	U
2229	606088002	10/31/2022	Radium-228	1.88E-03	1.63E-03	4.56E-03	pCi/m3	U
2229	606540002	11/28/2022	Radium-228	3.67E-04	1.08E-03	3.57E-03	pCi/m3	U
2229	609503002	12/27/2022	Radium-228	5.26E-03	1.73E-03	5.44E-03	pCi/m3	U
2229	571519009	1/24/2022	Ruthenium-103	1.16E-03	4.47E-04	1.76E-03	pCi/m3	U
2229	575119008	2/22/2022	Ruthenium-103	3.40E-04	2.94E-04	1.08E-03	pCi/m3	U
2229	580222009	3/21/2022	Ruthenium-103	-9.97E-05	6.13E-04	1.98E-03	pCi/m3	U
2229	582716009	4/18/2022	Ruthenium-103	-2.36E-04	6.98E-04	2.23E-03	pCi/m3	U
2229	585173009	5/16/2022	Ruthenium-103	2.06E-04	5.71E-04	1.94E-03	pCi/m3	U
2229	587312004	6/13/2022	Ruthenium-103	-1.01E-04	4.35E-04	1.37E-03	pCi/m3	U
2229	592755003	7/11/2022	Ruthenium-103	9.77E-05	6.07E-04	2.05E-03	pCi/m3	U
2229	594667009	8/8/2022	Ruthenium-103	3.77E-04	5.67E-04	1.97E-03	pCi/m3	U
2229	600159002	9/6/2022	Ruthenium-103	-4.10E-04	7.28E-04	2.22E-03	pCi/m3	U
2229	600160002	10/4/2022	Ruthenium-103	3.63E-04	3.82E-04	1.35E-03	pCi/m3	U
2229	606088002	10/31/2022	Ruthenium-103	-4.63E-04	6.29E-04	1.94E-03	pCi/m3	U
2229	606540002	11/28/2022	Ruthenium-103	2.03E-04	3.46E-04	1.19E-03	pCi/m3	U
2229	609503002	12/27/2022	Ruthenium-103	-3.90E-04	4.91E-04	1.51E-03	pCi/m3	U
2229	571519009	1/24/2022	Ruthenium-106	-7.19E-04	2.50E-03	7.81E-03	pCi/m3	U
2229	575119008	2/22/2022	Ruthenium-106	-1.65E-03	1.99E-03	6.06E-03	pCi/m3	U
2229	580222009	3/21/2022	Ruthenium-106	-7.45E-04	2.39E-03	7.48E-03	pCi/m3	U
2229	582716009	4/18/2022	Ruthenium-106	4.06E-03	2.93E-03	1.07E-02	pCi/m3	U
2229	585173009	5/16/2022	Ruthenium-106	-8.34E-04	2.55E-03	7.19E-03	pCi/m3	U
2229	587312004	6/13/2022	Ruthenium-106	-4.04E-03	2.67E-03	7.20E-03	pCi/m3	U
2229	592755003	7/11/2022	Ruthenium-106	4.07E-03	2.65E-03	9.66E-03	pCi/m3	U
2229	594667009	8/8/2022	Ruthenium-106	1.84E-04	2.68E-03	8.71E-03	pCi/m3	U
2229	600159002	9/6/2022	Ruthenium-106	-3.91E-03	2.81E-03	8.00E-03	pCi/m3	U
2229	600160002	10/4/2022	Ruthenium-106	1.13E-03	2.33E-03	7.86E-03	pCi/m3	U
2229	606088002	10/31/2022	Ruthenium-106	1.19E-03	2.34E-03	7.85E-03	pCi/m3	U
2229	606540002	11/28/2022	Ruthenium-106	-1.72E-03	2.09E-03	6.23E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	609503002	12/27/2022	Ruthenium-106	9.66E-04	2.39E-03	7.99E-03	pCi/m3	U
2229	571519009	1/24/2022	Selenium-75	2.04E-04	2.88E-04	9.59E-04	pCi/m3	U
2229	575119008	2/22/2022	Selenium-75	-4.09E-05	2.74E-04	8.44E-04	pCi/m3	U
2229	580222009	3/21/2022	Selenium-75	1.96E-03	9.77E-04	1.43E-03	pCi/m3	UI
2229	582716009	4/18/2022	Selenium-75	-3.56E-04	3.68E-04	1.06E-03	pCi/m3	U
2229	585173009	5/16/2022	Selenium-75	-4.25E-04	3.48E-04	1.13E-03	pCi/m3	U
2229	587312004	6/13/2022	Selenium-75	6.07E-04	3.53E-04	1.28E-03	pCi/m3	U
2229	592755003	7/11/2022	Selenium-75	4.39E-04	3.97E-04	1.33E-03	pCi/m3	U
2229	594667009	8/8/2022	Selenium-75	8.61E-05	3.52E-04	1.12E-03	pCi/m3	U
2229	600159002	9/6/2022	Selenium-75	2.06E-04	3.20E-04	1.13E-03	pCi/m3	U
2229	600160002	10/4/2022	Selenium-75	4.67E-04	3.15E-04	1.02E-03	pCi/m3	U
2229	606088002	10/31/2022	Selenium-75	1.67E-04	3.73E-04	1.19E-03	pCi/m3	U
2229	606540002	11/28/2022	Selenium-75	2.13E-04	2.47E-04	8.78E-04	pCi/m3	U
2229	609503002	12/27/2022	Selenium-75	1.25E-04	3.67E-04	1.24E-03	pCi/m3	U
2229	571519009	1/24/2022	Silver-108m	-7.16E-05	1.89E-04	6.10E-04	pCi/m3	U
2229	575119008	2/22/2022	Silver-108m	9.12E-05	1.48E-04	5.20E-04	pCi/m3	U
2229	580222009	3/21/2022	Silver-108m	2.03E-04	1.88E-04	6.74E-04	pCi/m3	U
2229	582716009	4/18/2022	Silver-108m	3.48E-04	2.17E-04	8.08E-04	pCi/m3	U
2229	585173009	5/16/2022	Silver-108m	-3.97E-04	1.81E-04	5.05E-04	pCi/m3	U
2229	587312004	6/13/2022	Silver-108m	9.18E-05	2.35E-04	7.83E-04	pCi/m3	U
2229	592755003	7/11/2022	Silver-108m	5.57E-04	2.16E-04	7.77E-04	pCi/m3	U
2229	594667009	8/8/2022	Silver-108m	-2.96E-04	2.02E-04	5.93E-04	pCi/m3	U
2229	600159002	9/6/2022	Silver-108m	-3.81E-05	1.68E-04	5.48E-04	pCi/m3	U
2229	600160002	10/4/2022	Silver-108m	2.18E-04	1.78E-04	6.42E-04	pCi/m3	U
2229	606088002	10/31/2022	Silver-108m	1.45E-04	1.82E-04	6.37E-04	pCi/m3	U
2229	606540002	11/28/2022	Silver-108m	5.06E-04	2.44E-04	4.58E-04	pCi/m3	UI
2229	609503002	12/27/2022	Silver-108m	2.44E-04	2.28E-04	7.95E-04	pCi/m3	U
2229	571519009	1/24/2022	Silver-110m	-5.28E-05	4.11E-04	1.36E-03	pCi/m3	U
2229	575119008	2/22/2022	Silver-110m	6.67E-04	5.55E-04	9.91E-04	pCi/m3	U
2229	580222009	3/21/2022	Silver-110m	-1.00E-03	3.74E-04	8.32E-04	pCi/m3	U
2229	582716009	4/18/2022	Silver-110m	-1.53E-04	4.57E-04	1.48E-03	pCi/m3	U
2229	585173009	5/16/2022	Silver-110m	1.62E-04	4.50E-04	1.49E-03	pCi/m3	U
2229	587312004	6/13/2022	Silver-110m	-5.63E-04	4.52E-04	1.07E-03	pCi/m3	U
2229	592755003	7/11/2022	Silver-110m	4.36E-04	3.34E-04	1.25E-03	pCi/m3	U
2229	594667009	8/8/2022	Silver-110m	5.49E-05	4.90E-04	1.48E-03	pCi/m3	U
2229	600159002	9/6/2022	Silver-110m	6.02E-04	3.41E-04	1.34E-03	pCi/m3	U
2229	600160002	10/4/2022	Silver-110m	-3.02E-04	4.01E-04	1.27E-03	pCi/m3	U
2229	606088002	10/31/2022	Silver-110m	2.21E-04	3.63E-04	9.47E-04	pCi/m3	U
2229	606540002	11/28/2022	Silver-110m	-4.70E-04	3.01E-04	8.46E-04	pCi/m3	U
2229	609503002	12/27/2022	Silver-110m	8.79E-05	4.89E-04	1.65E-03	pCi/m3	U
2229	571519009	1/24/2022	Tellurium-132	-1.07E-01	5.68E-01	0.00E+00	pCi/m3	U
2229	575119008	2/22/2022	Tellurium-132	4.43E-01	1.33E+00	0.00E+00	pCi/m3	UI
2229	580222009	3/21/2022	Tellurium-132	-4.02E+01	6.17E+01	0.00E+00	pCi/m3	U
2229	582716009	4/18/2022	Tellurium-132	2.51E+01	6.13E+01	0.00E+00	pCi/m3	UI
2229	585173009	5/16/2022	Tellurium-132	-1.04E+01	1.61E+01	0.00E+00	pCi/m3	U
2229	587312004	6/13/2022	Tellurium-132	-6.63E+00	3.21E+00	0.00E+00	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	592755003	7/11/2022	Tellurium-132	1.15E+03	9.44E+02	0.00E+00	pCi/m3	UI
2229	594667009	8/8/2022	Tellurium-132	3.33E+00	1.03E+01	0.00E+00	pCi/m3	UI
2229	600159002	9/6/2022	Tellurium-132	-8.65E+01	2.21E+02	0.00E+00	pCi/m3	U
2229	600160002	10/4/2022	Tellurium-132	3.95E-02	5.36E-01	0.00E+00	pCi/m3	UI
2229	606088002	10/31/2022	Tellurium-132	-5.56E+01	3.20E+02	0.00E+00	pCi/m3	U
2229	606540002	11/28/2022	Tellurium-132	4.54E+00	3.48E+00	0.00E+00	pCi/m3	UI
2229	609503002	12/27/2022	Tellurium-132	-1.32E+00	1.99E+00	0.00E+00	pCi/m3	U
2229	571519009	1/24/2022	Thallium-208	8.22E-04	3.14E-04	1.18E-03	pCi/m3	U
2229	575119008	2/22/2022	Thallium-208	5.89E-04	4.30E-04	6.66E-04	pCi/m3	U
2229	580222009	3/21/2022	Thallium-208	-1.58E-04	3.38E-04	1.07E-03	pCi/m3	U
2229	582716009	4/18/2022	Thallium-208	8.64E-05	3.69E-04	1.15E-03	pCi/m3	U
2229	585173009	5/16/2022	Thallium-208	2.41E-04	4.47E-04	7.13E-04	pCi/m3	U
2229	587312004	6/13/2022	Thallium-208	4.29E-04	5.90E-04	9.29E-04	pCi/m3	U
2229	592755003	7/11/2022	Thallium-208	1.68E-04	3.06E-04	1.02E-03	pCi/m3	U
2229	594667009	8/8/2022	Thallium-208	3.95E-04	5.32E-04	7.37E-04	pCi/m3	U
2229	600159002	9/6/2022	Thallium-208	8.59E-04	4.01E-04	6.99E-04	pCi/m3	UI
2229	600160002	10/4/2022	Thallium-208	-2.87E-04	3.27E-04	9.67E-04	pCi/m3	U
2229	606088002	10/31/2022	Thallium-208	1.11E-03	5.02E-04	7.55E-04	pCi/m3	UI
2229	606540002	11/28/2022	Thallium-208	4.13E-04	5.22E-04	4.81E-04	pCi/m3	U
2229	609503002	12/27/2022	Thallium-208	2.81E-04	3.34E-04	1.11E-03	pCi/m3	U
2229	571519009	1/24/2022	Thorium-228	7.46E-04	6.18E-04	8.82E-04	pCi/m3	U
2229	575119008	2/22/2022	Thorium-228	7.16E-04	6.65E-04	8.32E-04	pCi/m3	U
2229	580222009	3/21/2022	Thorium-228	3.75E-04	4.84E-04	1.66E-03	pCi/m3	U
2229	582716009	4/18/2022	Thorium-228	1.05E-03	7.24E-04	1.04E-03	pCi/m3	UI
2229	585173009	5/16/2022	Thorium-228	1.36E-03	7.16E-04	1.71E-03	pCi/m3	U
2229	587312004	6/13/2022	Thorium-228	9.17E-04	8.05E-04	1.73E-03	pCi/m3	U
2229	592755003	7/11/2022	Thorium-228	4.50E-05	4.41E-04	1.31E-03	pCi/m3	U
2229	594667009	8/8/2022	Thorium-228	8.56E-04	4.68E-04	1.32E-03	pCi/m3	U
2229	600159002	9/6/2022	Thorium-228	1.47E-04	8.07E-04	1.73E-03	pCi/m3	U
2229	600160002	10/4/2022	Thorium-228	-8.26E-04	4.38E-04	1.40E-03	pCi/m3	U
2229	606088002	10/31/2022	Thorium-228	-2.28E-04	4.69E-04	1.44E-03	pCi/m3	U
2229	606540002	11/28/2022	Thorium-228	9.40E-04	4.21E-04	1.28E-03	pCi/m3	U
2229	609503002	12/27/2022	Thorium-228	6.40E-04	5.99E-04	1.37E-03	pCi/m3	U
2229	571519009	1/24/2022	Thorium-230	1.73E-03	1.11E-03	2.93E-03	pCi/m3	U
2229	575119008	2/22/2022	Thorium-230	1.65E-03	8.92E-04	1.48E-03	pCi/m3	UI
2229	580222009	3/21/2022	Thorium-230	6.53E-04	8.91E-04	2.25E-03	pCi/m3	U
2229	582716009	4/18/2022	Thorium-230	-7.31E-04	6.73E-04	2.04E-03	pCi/m3	U
2229	585173009	5/16/2022	Thorium-230	2.47E-05	1.16E-03	1.85E-03	pCi/m3	U
2229	587312004	6/13/2022	Thorium-230	1.53E-04	8.13E-04	2.52E-03	pCi/m3	U
2229	592755003	7/11/2022	Thorium-230	1.19E-03	7.82E-04	1.76E-03	pCi/m3	U
2229	594667009	8/8/2022	Thorium-230	8.96E-04	5.91E-04	2.15E-03	pCi/m3	U
2229	600159002	9/6/2022	Thorium-230	-7.48E-04	5.94E-04	1.69E-03	pCi/m3	U
2229	600160002	10/4/2022	Thorium-230	-1.04E-03	6.11E-04	1.83E-03	pCi/m3	U
2229	606088002	10/31/2022	Thorium-230	1.25E-03	8.27E-04	1.87E-03	pCi/m3	U
2229	606540002	11/28/2022	Thorium-230	6.75E-04	7.22E-04	1.67E-03	pCi/m3	U
2229	609503002	12/27/2022	Thorium-230	2.10E-03	7.82E-04	1.66E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	571519009	1/24/2022	Thorium-232	8.33E-04	1.38E-03	4.19E-03	pCi/m3	U
2229	575119008	2/22/2022	Thorium-232	4.42E-04	1.27E-03	4.45E-03	pCi/m3	U
2229	580222009	3/21/2022	Thorium-232	1.91E-03	1.42E-03	4.65E-03	pCi/m3	U
2229	582716009	4/18/2022	Thorium-232	6.52E-04	2.08E-03	5.28E-03	pCi/m3	U
2229	585173009	5/16/2022	Thorium-232	4.82E-05	1.40E-03	4.09E-03	pCi/m3	U
2229	587312004	6/13/2022	Thorium-232	5.36E-03	1.79E-03	4.87E-03	pCi/m3	UI
2229	592755003	7/11/2022	Thorium-232	-4.28E-05	1.26E-03	3.91E-03	pCi/m3	U
2229	594667009	8/8/2022	Thorium-232	-1.40E-03	1.57E-03	4.31E-03	pCi/m3	U
2229	600159002	9/6/2022	Thorium-232	5.89E-04	1.33E-03	4.47E-03	pCi/m3	U
2229	600160002	10/4/2022	Thorium-232	-4.20E-04	1.39E-03	4.30E-03	pCi/m3	U
2229	606088002	10/31/2022	Thorium-232	1.88E-03	1.63E-03	4.56E-03	pCi/m3	U
2229	606540002	11/28/2022	Thorium-232	3.67E-04	1.08E-03	3.57E-03	pCi/m3	U
2229	609503002	12/27/2022	Thorium-232	5.26E-03	1.73E-03	5.44E-03	pCi/m3	U
2229	571519009	1/24/2022	Thorium-234	3.08E-02	1.83E-02	2.74E-02	pCi/m3	UI
2229	575119008	2/22/2022	Thorium-234	7.79E-03	8.12E-03	1.50E-02	pCi/m3	U
2229	580222009	3/21/2022	Thorium-234	2.03E-02	1.96E-02	4.37E-02	pCi/m3	U
2229	582716009	4/18/2022	Thorium-234	6.10E-03	4.33E-03	5.42E-03	pCi/m3	UI
2229	585173009	5/16/2022	Thorium-234	1.49E-02	8.98E-03	2.13E-02	pCi/m3	U
2229	587312004	6/13/2022	Thorium-234	7.05E-03	2.03E-02	4.22E-02	pCi/m3	U
2229	592755003	7/11/2022	Thorium-234	1.70E-02	1.22E-02	1.95E-02	pCi/m3	U
2229	594667009	8/8/2022	Thorium-234	-1.10E-03	2.58E-03	9.57E-03	pCi/m3	U
2229	600159002	9/6/2022	Thorium-234	2.74E-03	3.92E-03	6.75E-03	pCi/m3	U
2229	600160002	10/4/2022	Thorium-234	1.89E-02	1.93E-02	3.63E-02	pCi/m3	U
2229	606088002	10/31/2022	Thorium-234	-2.57E-04	8.47E-03	2.87E-02	pCi/m3	U
2229	606540002	11/28/2022	Thorium-234	9.33E-03	6.38E-03	1.34E-02	pCi/m3	U
2229	609503002	12/27/2022	Thorium-234	-2.02E-02	1.46E-02	4.45E-02	pCi/m3	U
2229	571519009	1/24/2022	Uranium-234	1.73E-03	1.11E-03	2.93E-03	pCi/m3	U
2229	575119008	2/22/2022	Uranium-234	1.65E-03	8.92E-04	1.48E-03	pCi/m3	UI
2229	580222009	3/21/2022	Uranium-234	6.53E-04	8.91E-04	2.25E-03	pCi/m3	U
2229	582716009	4/18/2022	Uranium-234	-7.31E-04	6.73E-04	2.04E-03	pCi/m3	U
2229	585173009	5/16/2022	Uranium-234	2.47E-05	1.16E-03	1.85E-03	pCi/m3	U
2229	587312004	6/13/2022	Uranium-234	1.53E-04	8.13E-04	2.52E-03	pCi/m3	U
2229	592755003	7/11/2022	Uranium-234	1.19E-03	7.82E-04	1.76E-03	pCi/m3	U
2229	594667009	8/8/2022	Uranium-234	8.96E-04	5.91E-04	2.15E-03	pCi/m3	U
2229	600159002	9/6/2022	Uranium-234	-7.48E-04	5.94E-04	1.69E-03	pCi/m3	U
2229	600160002	10/4/2022	Uranium-234	-1.04E-03	6.11E-04	1.83E-03	pCi/m3	U
2229	606088002	10/31/2022	Uranium-234	1.25E-03	8.27E-04	1.87E-03	pCi/m3	U
2229	606540002	11/28/2022	Uranium-234	6.75E-04	7.22E-04	1.67E-03	pCi/m3	U
2229	609503002	12/27/2022	Uranium-234	2.10E-03	7.82E-04	1.66E-03	pCi/m3	U
2229	571519009	1/24/2022	Zinc-65	-5.67E-04	8.48E-04	2.57E-03	pCi/m3	U
2229	575119008	2/22/2022	Zinc-65	1.62E-03	6.21E-04	2.08E-03	pCi/m3	U
2229	580222009	3/21/2022	Zinc-65	4.12E-04	6.87E-04	2.45E-03	pCi/m3	U
2229	582716009	4/18/2022	Zinc-65	-7.56E-04	7.39E-04	1.95E-03	pCi/m3	U
2229	585173009	5/16/2022	Zinc-65	-7.05E-04	6.38E-04	1.53E-03	pCi/m3	U
2229	587312004	6/13/2022	Zinc-65	-9.02E-04	6.24E-04	1.66E-03	pCi/m3	U
2229	592755003	7/11/2022	Zinc-65	8.78E-04	5.64E-04	2.23E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	594667009	8/8/2022	Zinc-65	-9.17E-04	7.45E-04	2.03E-03	pCi/m3	U
2229	600159002	9/6/2022	Zinc-65	1.95E-04	5.69E-04	2.00E-03	pCi/m3	U
2229	600160002	10/4/2022	Zinc-65	-1.27E-03	9.04E-04	2.18E-03	pCi/m3	U
2229	606088002	10/31/2022	Zinc-65	-7.34E-05	7.47E-04	2.10E-03	pCi/m3	U
2229	606540002	11/28/2022	Zinc-65	-4.21E-04	5.11E-04	1.51E-03	pCi/m3	U
2229	609503002	12/27/2022	Zinc-65	1.00E-03	7.91E-04	2.38E-03	pCi/m3	U
2229	571519009	1/24/2022	Zirconium-95	-1.04E-04	5.98E-04	1.99E-03	pCi/m3	U
2229	575119008	2/22/2022	Zirconium-95	-6.35E-05	6.44E-04	1.72E-03	pCi/m3	U
2229	580222009	3/21/2022	Zirconium-95	-1.39E-04	7.53E-04	2.35E-03	pCi/m3	U
2229	582716009	4/18/2022	Zirconium-95	-1.73E-04	1.01E-03	3.15E-03	pCi/m3	U
2229	585173009	5/16/2022	Zirconium-95	1.80E-03	7.85E-04	3.03E-03	pCi/m3	U
2229	587312004	6/13/2022	Zirconium-95	-4.83E-04	6.23E-04	1.94E-03	pCi/m3	U
2229	592755003	7/11/2022	Zirconium-95	-5.61E-04	8.20E-04	2.46E-03	pCi/m3	U
2229	594667009	8/8/2022	Zirconium-95	8.37E-06	7.92E-04	2.52E-03	pCi/m3	U
2229	600159002	9/6/2022	Zirconium-95	-5.46E-04	8.77E-04	2.61E-03	pCi/m3	U
2229	600160002	10/4/2022	Zirconium-95	5.66E-05	7.95E-04	2.57E-03	pCi/m3	U
2229	606088002	10/31/2022	Zirconium-95	1.28E-03	7.98E-04	3.05E-03	pCi/m3	U
2229	606540002	11/28/2022	Zirconium-95	-1.05E-05	5.11E-04	1.62E-03	pCi/m3	U
2229	609503002	12/27/2022	Zirconium-95	-1.53E-03	7.55E-04	2.10E-03	pCi/m3	U
2233	571519010	1/24/2022	Actinium-228	-1.16E-03	1.24E-03	3.81E-03	pCi/m3	U
2233	575119007	2/22/2022	Actinium-228	9.74E-04	1.10E-03	3.88E-03	pCi/m3	U
2233	580222010	3/21/2022	Actinium-228	1.05E-03	1.86E-03	6.70E-03	pCi/m3	U
2233	582716010	4/18/2022	Actinium-228	-6.38E-04	1.33E-03	4.39E-03	pCi/m3	U
2233	585173010	5/16/2022	Actinium-228	-4.94E-04	9.83E-04	3.49E-03	pCi/m3	U
2233	587312007	6/13/2022	Actinium-228	9.63E-04	1.37E-03	4.90E-03	pCi/m3	U
2233	592755010	7/11/2022	Actinium-228	7.07E-04	1.64E-03	3.94E-03	pCi/m3	U
2233	594667010	8/8/2022	Actinium-228	3.30E-03	1.13E-03	4.26E-03	pCi/m3	U
2233	600159011	9/6/2022	Actinium-228	2.31E-03	9.55E-04	3.66E-03	pCi/m3	U
2233	600160011	10/3/2022	Actinium-228	-1.54E-03	1.17E-03	3.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Actinium-228	-3.88E-04	1.55E-03	4.60E-03	pCi/m3	U
2233	606540011	11/28/2022	Actinium-228	-1.55E-03	1.50E-03	4.76E-03	pCi/m3	U
2233	609503011	12/27/2022	Actinium-228	-4.72E-04	1.46E-03	4.80E-03	pCi/m3	U
2233	571519010	1/24/2022	Americium-241	-2.39E-06	5.14E-04	1.47E-03	pCi/m3	U
2233	575119007	2/22/2022	Americium-241	-5.27E-04	8.22E-04	2.54E-03	pCi/m3	U
2233	580222010	3/21/2022	Americium-241	7.40E-04	8.49E-04	3.06E-03	pCi/m3	U
2233	582716010	4/18/2022	Americium-241	2.06E-04	2.44E-04	7.91E-04	pCi/m3	U
2233	585173010	5/16/2022	Americium-241	-7.11E-05	6.02E-04	1.80E-03	pCi/m3	U
2233	587312007	6/13/2022	Americium-241	-1.13E-03	1.34E-03	3.90E-03	pCi/m3	U
2233	592755010	7/11/2022	Americium-241	1.00E-03	1.41E-03	4.93E-03	pCi/m3	U
2233	594667010	8/8/2022	Americium-241	-2.15E-04	6.88E-04	2.16E-03	pCi/m3	U
2233	600159011	9/6/2022	Americium-241	4.63E-04	5.03E-04	1.76E-03	pCi/m3	U
2233	600160011	10/3/2022	Americium-241	1.22E-03	1.19E-03	3.99E-03	pCi/m3	U
2233	606088011	10/31/2022	Americium-241	1.30E-03	1.44E-03	4.55E-03	pCi/m3	U
2233	606540011	11/28/2022	Americium-241	1.90E-03	1.56E-03	5.66E-03	pCi/m3	U
2233	609503011	12/27/2022	Americium-241	-9.93E-04	1.10E-03	3.40E-03	pCi/m3	U
2233	571519010	1/24/2022	Antimony-124	9.82E-04	9.52E-04	3.51E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	575119007	2/22/2022	Antimony-124	2.83E-04	9.99E-04	3.44E-03	pCi/m3	U
2233	580222010	3/21/2022	Antimony-124	5.80E-04	1.76E-03	6.11E-03	pCi/m3	U
2233	582716010	4/18/2022	Antimony-124	-1.88E-04	1.27E-03	3.92E-03	pCi/m3	U
2233	585173010	5/16/2022	Antimony-124	-9.63E-04	8.36E-04	2.06E-03	pCi/m3	U
2233	587312007	6/13/2022	Antimony-124	-1.66E-03	1.15E-03	3.17E-03	pCi/m3	U
2233	592755010	7/11/2022	Antimony-124	-8.89E-04	1.08E-03	2.69E-03	pCi/m3	U
2233	594667010	8/8/2022	Antimony-124	-5.13E-04	1.10E-03	3.32E-03	pCi/m3	U
2233	600159011	9/6/2022	Antimony-124	8.49E-04	9.64E-04	3.68E-03	pCi/m3	U
2233	600160011	10/3/2022	Antimony-124	-6.13E-04	8.70E-04	2.49E-03	pCi/m3	U
2233	606088011	10/31/2022	Antimony-124	1.61E-03	1.38E-03	5.25E-03	pCi/m3	U
2233	606540011	11/28/2022	Antimony-124	1.30E-03	1.12E-03	4.39E-03	pCi/m3	U
2233	609503011	12/27/2022	Antimony-124	-3.99E-04	7.93E-04	2.27E-03	pCi/m3	U
2233	571519010	1/24/2022	Antimony-125	-4.24E-04	5.74E-04	1.73E-03	pCi/m3	U
2233	575119007	2/22/2022	Antimony-125	4.13E-04	5.72E-04	1.99E-03	pCi/m3	U
2233	580222010	3/21/2022	Antimony-125	-3.26E-04	7.31E-04	2.40E-03	pCi/m3	U
2233	582716010	4/18/2022	Antimony-125	1.11E-05	6.81E-04	2.26E-03	pCi/m3	U
2233	585173010	5/16/2022	Antimony-125	-2.48E-04	5.65E-04	1.63E-03	pCi/m3	U
2233	587312007	6/13/2022	Antimony-125	1.31E-04	5.94E-04	2.04E-03	pCi/m3	U
2233	592755010	7/11/2022	Antimony-125	-2.79E-04	5.84E-04	1.89E-03	pCi/m3	U
2233	594667010	8/8/2022	Antimony-125	1.84E-04	4.70E-04	1.60E-03	pCi/m3	U
2233	600159011	9/6/2022	Antimony-125	-1.42E-04	4.67E-04	1.51E-03	pCi/m3	U
2233	600160011	10/3/2022	Antimony-125	4.56E-04	5.18E-04	1.87E-03	pCi/m3	U
2233	606088011	10/31/2022	Antimony-125	2.22E-03	1.47E-03	2.50E-03	pCi/m3	U
2233	606540011	11/28/2022	Antimony-125	7.15E-04	6.56E-04	2.40E-03	pCi/m3	U
2233	609503011	12/27/2022	Antimony-125	1.43E-03	6.64E-04	2.51E-03	pCi/m3	U
2233	571519010	1/24/2022	Barium-140	1.88E-04	5.03E-03	1.70E-02	pCi/m3	U
2233	575119007	2/22/2022	Barium-140	-1.33E-03	7.42E-03	2.38E-02	pCi/m3	U
2233	580222010	3/21/2022	Barium-140	-2.13E-02	2.75E-02	7.45E-02	pCi/m3	U
2233	582716010	4/18/2022	Barium-140	-1.19E-02	2.43E-02	6.65E-02	pCi/m3	U
2233	585173010	5/16/2022	Barium-140	1.04E-02	9.73E-03	3.54E-02	pCi/m3	U
2233	587312007	6/13/2022	Barium-140	-7.85E-03	8.66E-03	2.71E-02	pCi/m3	U
2233	592755010	7/11/2022	Barium-140	1.04E-02	3.62E-02	1.23E-01	pCi/m3	U
2233	594667010	8/8/2022	Barium-140	1.31E-04	1.12E-02	3.63E-02	pCi/m3	U
2233	600159011	9/6/2022	Barium-140	2.34E-02	2.51E-02	8.71E-02	pCi/m3	U
2233	600160011	10/3/2022	Barium-140	-1.48E-03	5.97E-03	1.95E-02	pCi/m3	U
2233	606088011	10/31/2022	Barium-140	-1.69E-02	3.00E-02	9.75E-02	pCi/m3	U
2233	606540011	11/28/2022	Barium-140	4.51E-03	9.51E-03	3.02E-02	pCi/m3	U
2233	609503011	12/27/2022	Barium-140	-3.30E-03	8.93E-03	2.84E-02	pCi/m3	U
2233	571519010	1/24/2022	Beryllium-7	1.11E-01	8.50E-03	8.65E-03	pCi/m3	U
2233	575119007	2/22/2022	Beryllium-7	1.47E-01	9.82E-03	9.50E-03	pCi/m3	U
2233	580222010	3/21/2022	Beryllium-7	1.04E-01	1.40E-02	1.65E-02	pCi/m3	U
2233	582716010	4/18/2022	Beryllium-7	1.60E-01	1.35E-02	1.31E-02	pCi/m3	U
2233	585173010	5/16/2022	Beryllium-7	1.44E-01	9.54E-03	8.22E-03	pCi/m3	U
2233	587312007	6/13/2022	Beryllium-7	1.53E-01	1.00E-02	1.08E-02	pCi/m3	U
2233	592755010	7/11/2022	Beryllium-7	1.47E-01	1.45E-02	1.83E-02	pCi/m3	U
2233	594667010	8/8/2022	Beryllium-7	1.12E-01	8.07E-03	8.69E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2233	600159011	9/6/2022	Beryllium-7	9.79E-02	9.65E-03	7.86E-03	pCi/m3	
2233	600160011	10/3/2022	Beryllium-7	8.66E-02	9.30E-03	1.02E-02	pCi/m3	
2233	606088011	10/31/2022	Beryllium-7	1.23E-01	1.25E-02	1.71E-02	pCi/m3	
2233	606540011	11/28/2022	Beryllium-7	9.52E-02	9.77E-03	1.33E-02	pCi/m3	
2233	609503011	12/27/2022	Beryllium-7	5.50E-02	7.23E-03	1.15E-02	pCi/m3	
2233	566166019	1/3/2022	BETA	2.22E-02	1.33E-03	1.36E-03	pCi/m3	
2233	566829019	1/11/2022	BETA	4.29E-02	1.81E-03	1.36E-03	pCi/m3	
2233	567639021	1/18/2022	BETA	5.84E-02	2.23E-03	1.54E-03	pCi/m3	
2233	568220019	1/24/2022	BETA	4.68E-02	2.23E-03	1.94E-03	pCi/m3	
2233	568941019	1/31/2022	BETA	5.13E-02	2.12E-03	1.67E-03	pCi/m3	
2233	569535019	2/7/2022	BETA	3.90E-02	1.86E-03	1.63E-03	pCi/m3	
2233	570265007	2/14/2022	BETA	4.56E-02	2.04E-03	1.57E-03	pCi/m3	
2233	571000013	2/22/2022	BETA	3.88E-02	1.75E-03	1.53E-03	pCi/m3	
2233	571637019	2/28/2022	BETA	3.13E-02	1.85E-03	2.02E-03	pCi/m3	
2233	572310013	3/7/2022	BETA	5.94E-02	2.30E-03	1.59E-03	pCi/m3	
2233	573044019	3/14/2022	BETA	2.91E-02	1.61E-03	1.54E-03	pCi/m3	
2233	573809019	3/21/2022	BETA	2.51E-02	1.48E-03	1.46E-03	pCi/m3	
2233	574543019	3/28/2022	BETA	3.05E-02	1.66E-03	1.55E-03	pCi/m3	
2233	575131019	4/4/2022	BETA	3.63E-02	1.84E-03	1.74E-03	pCi/m3	
2233	576092020	4/11/2022	BETA	3.09E-02	1.74E-03	1.67E-03	pCi/m3	
2233	576835021	4/18/2022	BETA	3.13E-02	1.72E-03	1.75E-03	pCi/m3	
2233	577597019	4/25/2022	BETA	4.25E-02	1.98E-03	1.61E-03	pCi/m3	
2233	578409001	5/2/2022	BETA	4.20E-02	1.97E-03	1.63E-03	pCi/m3	
2233	579262003	5/9/2022	BETA	2.70E-02	1.58E-03	1.56E-03	pCi/m3	
2233	580035019	5/16/2022	BETA	3.37E-02	1.83E-03	1.74E-03	pCi/m3	
2233	580692019	5/23/2022	BETA	4.87E-02	2.19E-03	1.77E-03	pCi/m3	
2233	581372009	5/31/2022	BETA	2.36E-02	1.31E-03	1.26E-03	pCi/m3	
2233	581946019	6/6/2022	BETA	3.09E-02	1.76E-03	1.73E-03	pCi/m3	
2233	582788013	6/13/2022	BETA	2.96E-02	1.53E-03	1.55E-03	pCi/m3	
2233	583525003	6/21/2022	BETA	3.44E-02	1.52E-03	1.40E-03	pCi/m3	
2233	584134011	6/27/2022	BETA	3.79E-02	1.81E-03	1.57E-03	pCi/m3	
2233	584823019	7/5/2022	BETA	2.61E-02	1.30E-03	1.14E-03	pCi/m3	
2233	585557021	7/11/2022	BETA	2.45E-02	1.53E-03	1.85E-03	pCi/m3	
2233	586344019	7/19/2022	BETA	3.32E-02	1.51E-03	1.19E-03	pCi/m3	
2233	587147001	7/25/2022	BETA	2.75E-02	1.37E-03	1.26E-03	pCi/m3	
2233	587889019	8/1/2022	BETA	1.32E-02	8.23E-04	8.74E-04	pCi/m3	
2233	589386010	8/8/2022	BETA	2.09E-02	1.23E-03	1.27E-03	pCi/m3	
2233	589633019	8/15/2022	BETA	2.88E-02	1.40E-03	1.21E-03	pCi/m3	
2233	590523019	8/22/2022	BETA	4.47E-02	1.79E-03	1.43E-03	pCi/m3	
2233	591270019	8/29/2022	BETA	3.53E-02	1.54E-03	1.18E-03	pCi/m3	
2233	592020023	9/6/2022	BETA	2.78E-02	1.29E-03	1.02E-03	pCi/m3	
2233	592698023	9/12/2022	BETA	3.16E-02	1.61E-03	1.38E-03	pCi/m3	
2233	593605025	9/19/2022	BETA	4.76E-02	1.83E-03	1.27E-03	pCi/m3	
2233	594421023	9/26/2022	BETA	4.72E-02	1.81E-03	1.23E-03	pCi/m3	
2233	594992031	10/3/2022	BETA	2.55E-02	1.36E-03	1.26E-03	pCi/m3	
2233	596154013	10/10/2022	BETA	4.44E-02	1.77E-03	1.23E-03	pCi/m3	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	597078005	10/17/2022	BETA	4.17E-02	1.71E-03	1.23E-03	pCi/m3	
2233	597937025	10/24/2022	BETA	4.88E-02	1.83E-03	1.21E-03	pCi/m3	
2233	598805021	10/31/2022	BETA	3.01E-02	1.48E-03	1.25E-03	pCi/m3	
2233	599718027	11/7/2022	BETA	4.52E-02	1.80E-03	1.27E-03	pCi/m3	
2233	600677021	11/14/2022	BETA	3.18E-02	1.54E-03	1.30E-03	pCi/m3	
2233	601448013	11/21/2022	BETA	4.64E-02	1.90E-03	1.35E-03	pCi/m3	
2233	602118021	11/28/2022	BETA	5.22E-02	1.93E-03	1.25E-03	pCi/m3	
2233	602825027	12/5/2022	BETA	4.19E-02	1.80E-03	1.38E-03	pCi/m3	
2233	603752019	12/12/2022	BETA	2.18E-02	1.33E-03	1.37E-03	pCi/m3	
2233	604620027	12/19/2022	BETA	3.49E-02	1.64E-03	1.31E-03	pCi/m3	
2233	605322035	12/27/2022	BETA	4.27E-02	1.70E-03	1.17E-03	pCi/m3	
2233	571519010	1/24/2022	Bismuth-214	2.02E-03	8.31E-04	1.47E-03	pCi/m3	UI
2233	575119007	2/22/2022	Bismuth-214	1.23E-03	7.64E-04	1.73E-03	pCi/m3	U
2233	580222010	3/21/2022	Bismuth-214	1.26E-03	1.39E-03	3.13E-03	pCi/m3	U
2233	582716010	4/18/2022	Bismuth-214	8.89E-04	6.09E-04	2.19E-03	pCi/m3	U
2233	585173010	5/16/2022	Bismuth-214	-3.59E-04	5.48E-04	1.67E-03	pCi/m3	U
2233	587312007	6/13/2022	Bismuth-214	7.55E-04	1.15E-03	1.67E-03	pCi/m3	U
2233	592755010	7/11/2022	Bismuth-214	1.51E-03	8.87E-04	2.27E-03	pCi/m3	U
2233	594667010	8/8/2022	Bismuth-214	5.13E-04	5.47E-04	1.82E-03	pCi/m3	U
2233	600159011	9/6/2022	Bismuth-214	4.75E-05	5.09E-04	1.65E-03	pCi/m3	U
2233	600160011	10/3/2022	Bismuth-214	-6.46E-04	5.38E-04	1.48E-03	pCi/m3	U
2233	606088011	10/31/2022	Bismuth-214	1.34E-03	1.11E-03	2.63E-03	pCi/m3	U
2233	606540011	11/28/2022	Bismuth-214	2.97E-03	1.19E-03	1.52E-03	pCi/m3	UI
2233	609503011	12/27/2022	Bismuth-214	1.91E-03	7.82E-04	2.46E-03	pCi/m3	U
2233	571519010	1/24/2022	Cerium-141	2.58E-04	4.70E-04	1.61E-03	pCi/m3	U
2233	575119007	2/22/2022	Cerium-141	-1.08E-04	4.92E-04	1.59E-03	pCi/m3	U
2233	580222010	3/21/2022	Cerium-141	-2.46E-03	1.19E-03	3.12E-03	pCi/m3	U
2233	582716010	4/18/2022	Cerium-141	1.65E-03	7.42E-04	2.69E-03	pCi/m3	U
2233	585173010	5/16/2022	Cerium-141	-5.95E-05	6.42E-04	1.89E-03	pCi/m3	U
2233	587312007	6/13/2022	Cerium-141	8.47E-05	8.64E-04	2.39E-03	pCi/m3	U
2233	592755010	7/11/2022	Cerium-141	1.17E-03	1.45E-03	4.46E-03	pCi/m3	U
2233	594667010	8/8/2022	Cerium-141	-4.74E-04	6.46E-04	2.03E-03	pCi/m3	U
2233	600159011	9/6/2022	Cerium-141	-7.33E-04	8.60E-04	2.62E-03	pCi/m3	U
2233	600160011	10/3/2022	Cerium-141	-4.88E-04	5.35E-04	1.65E-03	pCi/m3	U
2233	606088011	10/31/2022	Cerium-141	-4.75E-04	1.16E-03	3.49E-03	pCi/m3	U
2233	606540011	11/28/2022	Cerium-141	-2.52E-03	9.03E-04	2.12E-03	pCi/m3	U
2233	609503011	12/27/2022	Cerium-141	1.27E-03	1.46E-03	1.97E-03	pCi/m3	U
2233	571519010	1/24/2022	Cerium-144	-4.61E-04	1.03E-03	3.39E-03	pCi/m3	U
2233	575119007	2/22/2022	Cerium-144	-1.41E-03	1.09E-03	3.35E-03	pCi/m3	U
2233	580222010	3/21/2022	Cerium-144	2.27E-03	1.36E-03	4.90E-03	pCi/m3	U
2233	582716010	4/18/2022	Cerium-144	-9.27E-04	9.90E-04	2.98E-03	pCi/m3	U
2233	585173010	5/16/2022	Cerium-144	-4.64E-04	1.02E-03	3.09E-03	pCi/m3	U
2233	587312007	6/13/2022	Cerium-144	1.18E-03	1.28E-03	4.21E-03	pCi/m3	U
2233	592755010	7/11/2022	Cerium-144	-6.52E-04	1.24E-03	3.94E-03	pCi/m3	U
2233	594667010	8/8/2022	Cerium-144	5.85E-04	9.16E-04	2.91E-03	pCi/m3	U
2233	600159011	9/6/2022	Cerium-144	-5.16E-04	9.21E-04	2.86E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	600160011	10/3/2022	Cerium-144	1.44E-03	1.06E-03	3.72E-03	pCi/m3	U
2233	606088011	10/31/2022	Cerium-144	-2.75E-03	1.33E-03	3.90E-03	pCi/m3	U
2233	606540011	11/28/2022	Cerium-144	1.16E-03	1.19E-03	4.15E-03	pCi/m3	U
2233	609503011	12/27/2022	Cerium-144	5.98E-03	1.92E-03	3.39E-03	pCi/m3	UI
2233	571519010	1/24/2022	Cesium-134	-2.91E-04	2.60E-04	7.67E-04	pCi/m3	U
2233	575119007	2/22/2022	Cesium-134	-4.41E-04	2.40E-04	6.56E-04	pCi/m3	U
2233	580222010	3/21/2022	Cesium-134	2.80E-04	3.09E-04	1.13E-03	pCi/m3	U
2233	582716010	4/18/2022	Cesium-134	6.77E-04	3.45E-04	1.32E-03	pCi/m3	U
2233	585173010	5/16/2022	Cesium-134	-5.70E-05	2.23E-04	6.99E-04	pCi/m3	U
2233	587312007	6/13/2022	Cesium-134	-1.01E-03	3.32E-04	7.76E-04	pCi/m3	U
2233	592755010	7/11/2022	Cesium-134	6.06E-05	3.04E-04	9.92E-04	pCi/m3	U
2233	594667010	8/8/2022	Cesium-134	-8.06E-05	1.91E-04	6.13E-04	pCi/m3	U
2233	600159011	9/6/2022	Cesium-134	9.19E-05	2.48E-04	8.65E-04	pCi/m3	U
2233	600160011	10/3/2022	Cesium-134	-1.24E-04	2.53E-04	7.76E-04	pCi/m3	U
2233	606088011	10/31/2022	Cesium-134	-2.78E-04	2.67E-04	7.93E-04	pCi/m3	U
2233	606540011	11/28/2022	Cesium-134	1.96E-04	2.95E-04	1.03E-03	pCi/m3	U
2233	609503011	12/27/2022	Cesium-134	-2.42E-04	2.80E-04	7.97E-04	pCi/m3	U
2233	571519010	1/24/2022	Cesium-137	5.51E-04	2.96E-04	6.38E-04	pCi/m3	U
2233	575119007	2/22/2022	Cesium-137	-8.33E-08	2.45E-04	7.80E-04	pCi/m3	U
2233	580222010	3/21/2022	Cesium-137	2.46E-04	6.32E-04	9.24E-04	pCi/m3	U
2233	582716010	4/18/2022	Cesium-137	-4.89E-05	2.69E-04	8.47E-04	pCi/m3	U
2233	585173010	5/16/2022	Cesium-137	9.98E-05	2.17E-04	7.39E-04	pCi/m3	U
2233	587312007	6/13/2022	Cesium-137	1.14E-03	4.48E-04	5.92E-04	pCi/m3	UI
2233	592755010	7/11/2022	Cesium-137	3.67E-04	2.53E-04	8.77E-04	pCi/m3	U
2233	594667010	8/8/2022	Cesium-137	2.04E-04	2.07E-04	7.22E-04	pCi/m3	U
2233	600159011	9/6/2022	Cesium-137	2.23E-04	4.65E-04	6.54E-04	pCi/m3	U
2233	600160011	10/3/2022	Cesium-137	1.93E-04	2.58E-04	8.29E-04	pCi/m3	U
2233	606088011	10/31/2022	Cesium-137	-1.46E-04	3.00E-04	9.02E-04	pCi/m3	U
2233	606540011	11/28/2022	Cesium-137	2.77E-04	5.27E-04	6.83E-04	pCi/m3	U
2233	609503011	12/27/2022	Cesium-137	5.85E-04	3.55E-04	6.31E-04	pCi/m3	U
2233	571519010	1/24/2022	Chromium-51	-4.37E-03	4.11E-03	1.25E-02	pCi/m3	U
2233	575119007	2/22/2022	Chromium-51	-1.47E-03	4.00E-03	1.33E-02	pCi/m3	U
2233	580222010	3/21/2022	Chromium-51	2.14E-03	9.30E-03	2.98E-02	pCi/m3	U
2233	582716010	4/18/2022	Chromium-51	1.42E-02	6.61E-03	2.53E-02	pCi/m3	U
2233	585173010	5/16/2022	Chromium-51	5.12E-03	5.32E-03	1.91E-02	pCi/m3	U
2233	587312007	6/13/2022	Chromium-51	-3.06E-03	5.28E-03	1.66E-02	pCi/m3	U
2233	592755010	7/11/2022	Chromium-51	5.65E-03	1.03E-02	3.31E-02	pCi/m3	U
2233	594667010	8/8/2022	Chromium-51	-1.04E-03	4.23E-03	1.42E-02	pCi/m3	U
2233	600159011	9/6/2022	Chromium-51	8.59E-04	7.07E-03	2.40E-02	pCi/m3	U
2233	600160011	10/3/2022	Chromium-51	1.46E-03	4.50E-03	1.43E-02	pCi/m3	U
2233	606088011	10/31/2022	Chromium-51	4.33E-03	9.13E-03	3.02E-02	pCi/m3	U
2233	606540011	11/28/2022	Chromium-51	3.15E-03	5.99E-03	1.95E-02	pCi/m3	U
2233	609503011	12/27/2022	Chromium-51	-5.59E-03	4.55E-03	1.41E-02	pCi/m3	U
2233	571519010	1/24/2022	Cobalt-57	-9.92E-05	1.24E-04	4.05E-04	pCi/m3	U
2233	575119007	2/22/2022	Cobalt-57	1.03E-04	1.21E-04	4.18E-04	pCi/m3	U
2233	580222010	3/21/2022	Cobalt-57	1.31E-04	1.74E-04	6.04E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	582716010	4/18/2022	Cobalt-57	-2.97E-04	1.58E-04	3.73E-04	pCi/m3	U
2233	585173010	5/16/2022	Cobalt-57	-7.87E-05	1.12E-04	3.48E-04	pCi/m3	U
2233	587312007	6/13/2022	Cobalt-57	-1.30E-04	1.71E-04	5.19E-04	pCi/m3	U
2233	592755010	7/11/2022	Cobalt-57	-1.41E-05	1.51E-04	4.91E-04	pCi/m3	U
2233	594667010	8/8/2022	Cobalt-57	1.67E-04	1.15E-04	4.07E-04	pCi/m3	U
2233	600159011	9/6/2022	Cobalt-57	2.47E-05	1.23E-04	4.00E-04	pCi/m3	U
2233	600160011	10/3/2022	Cobalt-57	-6.87E-05	1.37E-04	4.34E-04	pCi/m3	U
2233	606088011	10/31/2022	Cobalt-57	-1.26E-04	1.71E-04	5.41E-04	pCi/m3	U
2233	606540011	11/28/2022	Cobalt-57	1.64E-05	1.65E-04	5.49E-04	pCi/m3	U
2233	609503011	12/27/2022	Cobalt-57	3.29E-04	1.19E-04	3.59E-04	pCi/m3	U
2233	571519010	1/24/2022	Cobalt-58	3.77E-05	2.67E-04	8.89E-04	pCi/m3	U
2233	575119007	2/22/2022	Cobalt-58	9.30E-05	2.71E-04	9.46E-04	pCi/m3	U
2233	580222010	3/21/2022	Cobalt-58	-3.69E-04	5.81E-04	1.73E-03	pCi/m3	U
2233	582716010	4/18/2022	Cobalt-58	1.95E-04	4.40E-04	1.56E-03	pCi/m3	U
2233	585173010	5/16/2022	Cobalt-58	1.17E-04	2.83E-04	9.59E-04	pCi/m3	U
2233	587312007	6/13/2022	Cobalt-58	-3.26E-04	4.18E-04	1.13E-03	pCi/m3	U
2233	592755010	7/11/2022	Cobalt-58	-1.72E-04	4.77E-04	1.46E-03	pCi/m3	U
2233	594667010	8/8/2022	Cobalt-58	-3.22E-04	2.91E-04	8.67E-04	pCi/m3	U
2233	600159011	9/6/2022	Cobalt-58	4.03E-04	3.40E-04	1.25E-03	pCi/m3	U
2233	600160011	10/3/2022	Cobalt-58	1.71E-04	6.66E-04	1.17E-03	pCi/m3	U
2233	606088011	10/31/2022	Cobalt-58	-6.04E-04	5.49E-04	1.37E-03	pCi/m3	U
2233	606540011	11/28/2022	Cobalt-58	1.89E-04	4.20E-04	1.43E-03	pCi/m3	U
2233	609503011	12/27/2022	Cobalt-58	4.63E-05	3.60E-04	1.17E-03	pCi/m3	U
2233	571519010	1/24/2022	Cobalt-60	5.30E-05	2.09E-04	7.22E-04	pCi/m3	U
2233	575119007	2/22/2022	Cobalt-60	1.01E-04	2.34E-04	7.25E-04	pCi/m3	U
2233	580222010	3/21/2022	Cobalt-60	1.91E-04	3.44E-04	1.26E-03	pCi/m3	U
2233	582716010	4/18/2022	Cobalt-60	2.81E-05	3.14E-04	1.01E-03	pCi/m3	U
2233	585173010	5/16/2022	Cobalt-60	1.70E-04	2.50E-04	9.06E-04	pCi/m3	U
2233	587312007	6/13/2022	Cobalt-60	1.59E-05	3.03E-04	1.02E-03	pCi/m3	U
2233	592755010	7/11/2022	Cobalt-60	8.40E-05	2.84E-04	9.77E-04	pCi/m3	U
2233	594667010	8/8/2022	Cobalt-60	3.20E-04	2.45E-04	9.24E-04	pCi/m3	U
2233	600159011	9/6/2022	Cobalt-60	-4.68E-04	2.68E-04	6.45E-04	pCi/m3	U
2233	600160011	10/3/2022	Cobalt-60	1.27E-04	2.07E-04	7.67E-04	pCi/m3	U
2233	606088011	10/31/2022	Cobalt-60	-7.48E-05	2.66E-04	8.35E-04	pCi/m3	U
2233	606540011	11/28/2022	Cobalt-60	5.53E-04	2.34E-04	1.09E-03	pCi/m3	U
2233	609503011	12/27/2022	Cobalt-60	-5.21E-04	3.67E-04	1.00E-03	pCi/m3	U
2233	571519010	1/24/2022	Iron-59	-7.61E-05	9.06E-04	2.88E-03	pCi/m3	U
2233	575119007	2/22/2022	Iron-59	-8.84E-05	9.93E-04	3.22E-03	pCi/m3	U
2233	580222010	3/21/2022	Iron-59	5.28E-04	1.42E-03	5.05E-03	pCi/m3	U
2233	582716010	4/18/2022	Iron-59	4.32E-05	9.71E-04	3.25E-03	pCi/m3	U
2233	585173010	5/16/2022	Iron-59	0.00E+00	8.10E-04	2.75E-03	pCi/m3	U
2233	587312007	6/13/2022	Iron-59	7.92E-04	9.11E-04	3.21E-03	pCi/m3	U
2233	592755010	7/11/2022	Iron-59	2.92E-03	1.27E-03	5.31E-03	pCi/m3	U
2233	594667010	8/8/2022	Iron-59	-4.42E-04	7.89E-04	2.38E-03	pCi/m3	U
2233	600159011	9/6/2022	Iron-59	-6.09E-04	1.14E-03	3.52E-03	pCi/m3	U
2233	600160011	10/3/2022	Iron-59	-3.61E-04	8.79E-04	2.63E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	606088011	10/31/2022	Iron-59	2.67E-03	1.90E-03	5.60E-03	pCi/m3	U
2233	606540011	11/28/2022	Iron-59	-7.45E-04	9.98E-04	3.05E-03	pCi/m3	U
2233	609503011	12/27/2022	Iron-59	1.19E-03	9.40E-04	3.60E-03	pCi/m3	U
2233	571519010	1/24/2022	Lanthanum-140	-5.07E-03	2.38E-03	5.48E-03	pCi/m3	U
2233	575119007	2/22/2022	Lanthanum-140	-5.56E-04	2.86E-03	9.28E-03	pCi/m3	U
2233	580222010	3/21/2022	Lanthanum-140	-2.55E-04	1.11E-02	3.61E-02	pCi/m3	U
2233	582716010	4/18/2022	Lanthanum-140	-1.09E-02	8.21E-03	1.83E-02	pCi/m3	U
2233	585173010	5/16/2022	Lanthanum-140	-8.82E-04	5.52E-03	1.78E-02	pCi/m3	U
2233	587312007	6/13/2022	Lanthanum-140	-3.36E-03	3.90E-03	1.17E-02	pCi/m3	U
2233	592755010	7/11/2022	Lanthanum-140	-2.06E-03	1.59E-02	4.61E-02	pCi/m3	U
2233	594667010	8/8/2022	Lanthanum-140	4.66E-03	4.88E-03	1.81E-02	pCi/m3	U
2233	600159011	9/6/2022	Lanthanum-140	-2.35E-03	9.27E-03	3.02E-02	pCi/m3	U
2233	600160011	10/3/2022	Lanthanum-140	-1.15E-03	2.47E-03	7.58E-03	pCi/m3	U
2233	606088011	10/31/2022	Lanthanum-140	-1.06E-02	9.96E-03	2.50E-02	pCi/m3	U
2233	606540011	11/28/2022	Lanthanum-140	3.52E-03	3.90E-03	1.46E-02	pCi/m3	U
2233	609503011	12/27/2022	Lanthanum-140	-5.11E-03	3.31E-03	7.59E-03	pCi/m3	U
2233	571519010	1/24/2022	Lead-210	2.95E-02	1.65E-02	2.40E-02	pCi/m3	UI
2233	575119007	2/22/2022	Lead-210	1.69E-03	3.74E-02	1.27E-01	pCi/m3	U
2233	580222010	3/21/2022	Lead-210	5.23E-02	5.27E-02	7.41E-02	pCi/m3	U
2233	582716010	4/18/2022	Lead-210	1.62E-02	3.94E-03	6.98E-03	pCi/m3	U
2233	585173010	5/16/2022	Lead-210	2.96E-02	1.92E-02	4.48E-02	pCi/m3	U
2233	587312007	6/13/2022	Lead-210	4.71E-02	4.15E-02	1.46E-01	pCi/m3	U
2233	592755010	7/11/2022	Lead-210	-4.85E-02	7.85E-02	2.63E-01	pCi/m3	U
2233	594667010	8/8/2022	Lead-210	3.55E-02	3.16E-02	7.10E-02	pCi/m3	U
2233	600159011	9/6/2022	Lead-210	4.24E-02	2.31E-02	3.67E-02	pCi/m3	UI
2233	600160011	10/3/2022	Lead-210	6.23E-03	5.99E-02	1.90E-01	pCi/m3	U
2233	606088011	10/31/2022	Lead-210	7.76E-02	5.57E-02	1.34E-01	pCi/m3	U
2233	606540011	11/28/2022	Lead-210	1.74E-02	9.50E-02	2.94E-01	pCi/m3	U
2233	609503011	12/27/2022	Lead-210	-1.14E-02	4.98E-02	1.56E-01	pCi/m3	U
2233	571519010	1/24/2022	Lead-212	3.83E-05	4.33E-04	1.36E-03	pCi/m3	U
2233	575119007	2/22/2022	Lead-212	1.99E-05	6.51E-04	1.42E-03	pCi/m3	U
2233	580222010	3/21/2022	Lead-212	1.77E-03	7.03E-04	2.07E-03	pCi/m3	U
2233	582716010	4/18/2022	Lead-212	7.89E-04	5.76E-04	9.20E-04	pCi/m3	U
2233	585173010	5/16/2022	Lead-212	8.74E-04	5.11E-04	9.74E-04	pCi/m3	U
2233	587312007	6/13/2022	Lead-212	-7.27E-04	4.66E-04	1.50E-03	pCi/m3	U
2233	592755010	7/11/2022	Lead-212	2.32E-04	4.70E-04	1.50E-03	pCi/m3	U
2233	594667010	8/8/2022	Lead-212	8.32E-05	5.15E-04	1.17E-03	pCi/m3	U
2233	600159011	9/6/2022	Lead-212	1.29E-04	5.59E-04	1.21E-03	pCi/m3	U
2233	600160011	10/3/2022	Lead-212	5.88E-04	6.65E-04	1.39E-03	pCi/m3	U
2233	606088011	10/31/2022	Lead-212	1.49E-03	6.41E-04	1.43E-03	pCi/m3	UI
2233	606540011	11/28/2022	Lead-212	2.06E-03	8.68E-04	1.82E-03	pCi/m3	UI
2233	609503011	12/27/2022	Lead-212	1.92E-03	8.54E-04	1.88E-03	pCi/m3	UI
2233	571519010	1/24/2022	Lead-214	6.29E-04	8.93E-04	1.84E-03	pCi/m3	U
2233	575119007	2/22/2022	Lead-214	1.02E-03	8.36E-04	1.89E-03	pCi/m3	U
2233	580222010	3/21/2022	Lead-214	9.53E-04	1.33E-03	2.62E-03	pCi/m3	U
2233	582716010	4/18/2022	Lead-214	7.00E-04	8.68E-04	2.10E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	585173010	5/16/2022	Lead-214	1.11E-03	7.44E-04	1.70E-03	pCi/m3	U
2233	587312007	6/13/2022	Lead-214	1.53E-03	1.26E-03	2.10E-03	pCi/m3	U
2233	592755010	7/11/2022	Lead-214	-4.84E-04	6.65E-04	2.09E-03	pCi/m3	U
2233	594667010	8/8/2022	Lead-214	5.99E-04	4.86E-04	1.61E-03	pCi/m3	U
2233	600159011	9/6/2022	Lead-214	3.79E-04	4.95E-04	1.31E-03	pCi/m3	U
2233	600160011	10/3/2022	Lead-214	-4.48E-07	5.11E-04	1.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Lead-214	-1.00E-03	5.83E-04	1.54E-03	pCi/m3	U
2233	606540011	11/28/2022	Lead-214	-8.75E-04	6.84E-04	2.19E-03	pCi/m3	U
2233	609503011	12/27/2022	Lead-214	4.64E-04	8.88E-04	2.11E-03	pCi/m3	U
2233	571519010	1/24/2022	Manganese-54	-4.39E-04	2.62E-04	7.33E-04	pCi/m3	U
2233	575119007	2/22/2022	Manganese-54	-2.18E-04	2.35E-04	7.20E-04	pCi/m3	U
2233	580222010	3/21/2022	Manganese-54	5.09E-04	3.35E-04	1.29E-03	pCi/m3	U
2233	582716010	4/18/2022	Manganese-54	6.66E-04	2.13E-04	9.86E-04	pCi/m3	U
2233	585173010	5/16/2022	Manganese-54	3.15E-05	2.66E-04	8.67E-04	pCi/m3	U
2233	587312007	6/13/2022	Manganese-54	-2.19E-05	2.64E-04	8.85E-04	pCi/m3	U
2233	592755010	7/11/2022	Manganese-54	2.23E-04	2.90E-04	1.00E-03	pCi/m3	U
2233	594667010	8/8/2022	Manganese-54	5.17E-04	2.02E-04	7.64E-04	pCi/m3	U
2233	600159011	9/6/2022	Manganese-54	6.45E-04	3.04E-04	1.01E-03	pCi/m3	U
2233	600160011	10/3/2022	Manganese-54	-6.78E-05	2.35E-04	7.36E-04	pCi/m3	U
2233	606088011	10/31/2022	Manganese-54	1.71E-04	3.36E-04	1.17E-03	pCi/m3	U
2233	606540011	11/28/2022	Manganese-54	4.21E-04	3.40E-04	1.23E-03	pCi/m3	U
2233	609503011	12/27/2022	Manganese-54	-1.85E-04	2.27E-04	6.35E-04	pCi/m3	U
2233	571519010	1/24/2022	Molybdenum-99	2.31E+01	2.51E+01	0.00E+00	pCi/m3	UI
2233	575119007	2/22/2022	Molybdenum-99	5.83E-01	6.33E+01	0.00E+00	pCi/m3	UI
2233	580222010	3/21/2022	Molybdenum-99	-2.19E+02	4.47E+03	0.00E+00	pCi/m3	U
2233	582716010	4/18/2022	Molybdenum-99	-1.76E+03	4.91E+03	0.00E+00	pCi/m3	U
2233	585173010	5/16/2022	Molybdenum-99	-1.25E+03	8.58E+02	0.00E+00	pCi/m3	U
2233	587312007	6/13/2022	Molybdenum-99	1.38E+02	1.46E+02	0.00E+00	pCi/m3	UI
2233	592755010	7/11/2022	Molybdenum-99	-1.88E+05	1.25E+05	0.00E+00	pCi/m3	U
2233	594667010	8/8/2022	Molybdenum-99	-5.87E+02	5.45E+02	0.00E+00	pCi/m3	U
2233	600159011	9/6/2022	Molybdenum-99	-7.21E+03	2.16E+04	0.00E+00	pCi/m3	U
2233	600160011	10/3/2022	Molybdenum-99	4.25E+01	2.78E+01	0.00E+00	pCi/m3	UI
2233	606088011	10/31/2022	Molybdenum-99	-5.91E+04	4.15E+04	0.00E+00	pCi/m3	U
2233	606540011	11/28/2022	Molybdenum-99	1.75E+02	1.21E+02	0.00E+00	pCi/m3	UI
2233	609503011	12/27/2022	Molybdenum-99	-9.16E+01	9.29E+01	0.00E+00	pCi/m3	U
2233	571519010	1/24/2022	Niobium-95	1.86E-04	3.33E-04	1.03E-03	pCi/m3	U
2233	575119007	2/22/2022	Niobium-95	-2.43E-04	3.15E-04	9.91E-04	pCi/m3	U
2233	580222010	3/21/2022	Niobium-95	-2.62E-04	4.76E-04	1.42E-03	pCi/m3	U
2233	582716010	4/18/2022	Niobium-95	4.58E-05	5.48E-04	1.57E-03	pCi/m3	U
2233	585173010	5/16/2022	Niobium-95	1.05E-04	3.25E-04	1.09E-03	pCi/m3	U
2233	587312007	6/13/2022	Niobium-95	-5.06E-04	4.94E-04	1.24E-03	pCi/m3	U
2233	592755010	7/11/2022	Niobium-95	4.45E-04	6.22E-04	2.12E-03	pCi/m3	U
2233	594667010	8/8/2022	Niobium-95	4.01E-05	3.31E-04	1.13E-03	pCi/m3	U
2233	600159011	9/6/2022	Niobium-95	-4.72E-05	4.03E-04	1.36E-03	pCi/m3	U
2233	600160011	10/3/2022	Niobium-95	1.07E-04	3.00E-04	1.02E-03	pCi/m3	U
2233	606088011	10/31/2022	Niobium-95	-3.78E-04	5.00E-04	1.56E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	606540011	11/28/2022	Niobium-95	1.58E-03	8.67E-04	1.33E-03	pCi/m3	UI
2233	609503011	12/27/2022	Niobium-95	8.89E-04	5.28E-04	1.90E-03	pCi/m3	U
2233	571519010	1/24/2022	Potassium-40	1.03E-02	4.63E-03	6.23E-03	pCi/m3	UI
2233	575119007	2/22/2022	Potassium-40	7.29E-03	5.25E-03	5.70E-03	pCi/m3	UI
2233	580222010	3/21/2022	Potassium-40	5.48E-03	7.37E-03	2.77E-02	pCi/m3	U
2233	582716010	4/18/2022	Potassium-40	1.12E-02	5.20E-03	2.04E-02	pCi/m3	U
2233	585173010	5/16/2022	Potassium-40	8.19E-03	5.92E-03	6.85E-03	pCi/m3	UI
2233	587312007	6/13/2022	Potassium-40	1.48E-02	4.53E-03	9.78E-03	pCi/m3	
2233	592755010	7/11/2022	Potassium-40	9.69E-03	6.78E-03	6.97E-03	pCi/m3	UI
2233	594667010	8/8/2022	Potassium-40	1.58E-02	6.22E-03	6.47E-03	pCi/m3	
2233	600159011	9/6/2022	Potassium-40	1.69E-02	4.87E-03	7.08E-03	pCi/m3	
2233	600160011	10/3/2022	Potassium-40	5.12E-03	5.22E-03	9.09E-03	pCi/m3	U
2233	606088011	10/31/2022	Potassium-40	1.26E-02	5.48E-03	7.42E-03	pCi/m3	UI
2233	606540011	11/28/2022	Potassium-40	-2.59E-03	5.17E-03	1.80E-02	pCi/m3	U
2233	609503011	12/27/2022	Potassium-40	1.48E-03	6.07E-03	1.22E-02	pCi/m3	U
2233	571519010	1/24/2022	Radium-226	2.02E-03	8.31E-04	1.47E-03	pCi/m3	UI
2233	575119007	2/22/2022	Radium-226	1.23E-03	7.64E-04	1.73E-03	pCi/m3	U
2233	580222010	3/21/2022	Radium-226	1.26E-03	1.39E-03	3.13E-03	pCi/m3	U
2233	582716010	4/18/2022	Radium-226	8.89E-04	6.09E-04	2.19E-03	pCi/m3	U
2233	585173010	5/16/2022	Radium-226	-3.59E-04	5.48E-04	1.67E-03	pCi/m3	U
2233	587312007	6/13/2022	Radium-226	7.55E-04	1.15E-03	1.67E-03	pCi/m3	U
2233	592755010	7/11/2022	Radium-226	1.51E-03	8.87E-04	2.27E-03	pCi/m3	U
2233	594667010	8/8/2022	Radium-226	5.13E-04	5.47E-04	1.82E-03	pCi/m3	U
2233	600159011	9/6/2022	Radium-226	3.79E-04	4.95E-04	1.31E-03	pCi/m3	U
2233	600160011	10/3/2022	Radium-226	-4.48E-07	5.11E-04	1.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Radium-226	-1.00E-03	5.83E-04	1.54E-03	pCi/m3	U
2233	606540011	11/28/2022	Radium-226	-8.75E-04	6.84E-04	2.19E-03	pCi/m3	U
2233	609503011	12/27/2022	Radium-226	4.64E-04	8.88E-04	2.11E-03	pCi/m3	U
2233	571519010	1/24/2022	Radium-228	-1.16E-03	1.24E-03	3.81E-03	pCi/m3	U
2233	575119007	2/22/2022	Radium-228	9.74E-04	1.10E-03	3.88E-03	pCi/m3	U
2233	580222010	3/21/2022	Radium-228	1.05E-03	1.86E-03	6.70E-03	pCi/m3	U
2233	582716010	4/18/2022	Radium-228	-6.38E-04	1.33E-03	4.39E-03	pCi/m3	U
2233	585173010	5/16/2022	Radium-228	-4.94E-04	9.83E-04	3.49E-03	pCi/m3	U
2233	587312007	6/13/2022	Radium-228	9.63E-04	1.37E-03	4.90E-03	pCi/m3	U
2233	592755010	7/11/2022	Radium-228	7.07E-04	1.64E-03	3.94E-03	pCi/m3	U
2233	594667010	8/8/2022	Radium-228	3.30E-03	1.13E-03	4.26E-03	pCi/m3	U
2233	600159011	9/6/2022	Radium-228	2.31E-03	9.55E-04	3.66E-03	pCi/m3	U
2233	600160011	10/3/2022	Radium-228	-1.54E-03	1.17E-03	3.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Radium-228	-3.88E-04	1.55E-03	4.60E-03	pCi/m3	U
2233	606540011	11/28/2022	Radium-228	-1.55E-03	1.50E-03	4.76E-03	pCi/m3	U
2233	609503011	12/27/2022	Radium-228	-4.72E-04	1.46E-03	4.80E-03	pCi/m3	U
2233	571519010	1/24/2022	Ruthenium-103	-2.57E-04	3.29E-04	1.05E-03	pCi/m3	U
2233	575119007	2/22/2022	Ruthenium-103	-3.47E-04	4.14E-04	1.27E-03	pCi/m3	U
2233	580222010	3/21/2022	Ruthenium-103	7.28E-05	5.83E-04	1.99E-03	pCi/m3	U
2233	582716010	4/18/2022	Ruthenium-103	3.64E-04	6.42E-04	2.21E-03	pCi/m3	U
2233	585173010	5/16/2022	Ruthenium-103	-7.08E-04	3.82E-04	1.05E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	587312007	6/13/2022	Ruthenium-103	-3.07E-04	4.38E-04	1.40E-03	pCi/m3	U
2233	592755010	7/11/2022	Ruthenium-103	-3.91E-04	7.07E-04	2.24E-03	pCi/m3	U
2233	594667010	8/8/2022	Ruthenium-103	-1.94E-04	3.87E-04	1.21E-03	pCi/m3	U
2233	600159011	9/6/2022	Ruthenium-103	5.60E-04	4.74E-04	1.71E-03	pCi/m3	U
2233	600160011	10/3/2022	Ruthenium-103	4.12E-04	3.40E-04	1.25E-03	pCi/m3	U
2233	606088011	10/31/2022	Ruthenium-103	-5.67E-04	6.73E-04	1.96E-03	pCi/m3	U
2233	606540011	11/28/2022	Ruthenium-103	1.78E-04	5.13E-04	1.77E-03	pCi/m3	U
2233	609503011	12/27/2022	Ruthenium-103	-1.82E-04	4.99E-04	1.41E-03	pCi/m3	U
2233	571519010	1/24/2022	Ruthenium-106	-2.50E-03	2.15E-03	6.59E-03	pCi/m3	U
2233	575119007	2/22/2022	Ruthenium-106	-3.12E-03	2.16E-03	5.99E-03	pCi/m3	U
2233	580222010	3/21/2022	Ruthenium-106	2.52E-03	3.15E-03	1.12E-02	pCi/m3	U
2233	582716010	4/18/2022	Ruthenium-106	-5.96E-04	2.57E-03	8.10E-03	pCi/m3	U
2233	585173010	5/16/2022	Ruthenium-106	1.47E-03	1.62E-03	5.82E-03	pCi/m3	U
2233	587312007	6/13/2022	Ruthenium-106	4.64E-03	3.06E-03	8.34E-03	pCi/m3	U
2233	592755010	7/11/2022	Ruthenium-106	-2.49E-03	2.64E-03	7.89E-03	pCi/m3	U
2233	594667010	8/8/2022	Ruthenium-106	3.88E-03	1.98E-03	7.40E-03	pCi/m3	U
2233	600159011	9/6/2022	Ruthenium-106	9.67E-04	2.07E-03	6.91E-03	pCi/m3	U
2233	600160011	10/3/2022	Ruthenium-106	-1.44E-03	1.92E-03	5.87E-03	pCi/m3	U
2233	606088011	10/31/2022	Ruthenium-106	2.81E-03	2.71E-03	9.80E-03	pCi/m3	U
2233	606540011	11/28/2022	Ruthenium-106	-1.24E-03	2.31E-03	7.20E-03	pCi/m3	U
2233	609503011	12/27/2022	Ruthenium-106	1.06E-03	2.55E-03	8.56E-03	pCi/m3	U
2233	571519010	1/24/2022	Selenium-75	3.60E-04	2.81E-04	9.75E-04	pCi/m3	U
2233	575119007	2/22/2022	Selenium-75	-9.29E-04	3.19E-04	7.91E-04	pCi/m3	U
2233	580222010	3/21/2022	Selenium-75	-3.47E-04	4.31E-04	1.29E-03	pCi/m3	U
2233	582716010	4/18/2022	Selenium-75	-7.26E-05	3.45E-04	1.17E-03	pCi/m3	U
2233	585173010	5/16/2022	Selenium-75	-5.48E-06	2.55E-04	7.92E-04	pCi/m3	U
2233	587312007	6/13/2022	Selenium-75	1.45E-06	3.19E-04	1.05E-03	pCi/m3	U
2233	592755010	7/11/2022	Selenium-75	6.27E-04	4.07E-04	1.40E-03	pCi/m3	U
2233	594667010	8/8/2022	Selenium-75	4.71E-05	2.84E-04	8.93E-04	pCi/m3	U
2233	600159011	9/6/2022	Selenium-75	-1.02E-04	2.91E-04	9.74E-04	pCi/m3	U
2233	600160011	10/3/2022	Selenium-75	1.91E-04	3.11E-04	1.02E-03	pCi/m3	U
2233	606088011	10/31/2022	Selenium-75	4.96E-04	3.98E-04	1.37E-03	pCi/m3	U
2233	606540011	11/28/2022	Selenium-75	-3.39E-04	3.89E-04	1.15E-03	pCi/m3	U
2233	609503011	12/27/2022	Selenium-75	-4.34E-04	3.38E-04	1.07E-03	pCi/m3	U
2233	571519010	1/24/2022	Silver-108m	-6.17E-05	1.78E-04	5.50E-04	pCi/m3	U
2233	575119007	2/22/2022	Silver-108m	-1.29E-04	1.52E-04	4.69E-04	pCi/m3	U
2233	580222010	3/21/2022	Silver-108m	2.27E-05	2.14E-04	7.35E-04	pCi/m3	U
2233	582716010	4/18/2022	Silver-108m	-1.58E-04	1.85E-04	5.68E-04	pCi/m3	U
2233	585173010	5/16/2022	Silver-108m	-2.55E-04	1.52E-04	4.44E-04	pCi/m3	U
2233	587312007	6/13/2022	Silver-108m	2.03E-04	1.85E-04	6.61E-04	pCi/m3	U
2233	592755010	7/11/2022	Silver-108m	-2.56E-04	1.98E-04	6.00E-04	pCi/m3	U
2233	594667010	8/8/2022	Silver-108m	6.06E-05	1.45E-04	4.96E-04	pCi/m3	U
2233	600159011	9/6/2022	Silver-108m	6.67E-05	1.58E-04	5.36E-04	pCi/m3	U
2233	600160011	10/3/2022	Silver-108m	-2.83E-04	1.68E-04	4.93E-04	pCi/m3	U
2233	606088011	10/31/2022	Silver-108m	1.38E-04	2.12E-04	7.07E-04	pCi/m3	U
2233	606540011	11/28/2022	Silver-108m	2.28E-04	2.13E-04	7.75E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	609503011	12/27/2022	Silver-108m	-7.88E-05	1.88E-04	6.02E-04	pCi/m3	U
2233	571519010	1/24/2022	Silver-110m	2.35E-04	3.53E-04	1.22E-03	pCi/m3	U
2233	575119007	2/22/2022	Silver-110m	1.33E-04	3.14E-04	1.09E-03	pCi/m3	U
2233	580222010	3/21/2022	Silver-110m	8.18E-04	5.18E-04	2.00E-03	pCi/m3	U
2233	582716010	4/18/2022	Silver-110m	-6.11E-04	4.50E-04	1.30E-03	pCi/m3	U
2233	585173010	5/16/2022	Silver-110m	3.50E-04	2.86E-04	1.06E-03	pCi/m3	U
2233	587312007	6/13/2022	Silver-110m	1.39E-04	3.98E-04	1.36E-03	pCi/m3	U
2233	592755010	7/11/2022	Silver-110m	1.05E-05	4.11E-04	1.24E-03	pCi/m3	U
2233	594667010	8/8/2022	Silver-110m	2.98E-04	3.41E-04	1.23E-03	pCi/m3	U
2233	600159011	9/6/2022	Silver-110m	-4.07E-04	3.25E-04	9.48E-04	pCi/m3	U
2233	600160011	10/3/2022	Silver-110m	2.31E-04	3.07E-04	1.01E-03	pCi/m3	U
2233	606088011	10/31/2022	Silver-110m	-1.48E-04	4.27E-04	1.38E-03	pCi/m3	U
2233	606540011	11/28/2022	Silver-110m	-1.90E-04	4.29E-04	1.30E-03	pCi/m3	U
2233	609503011	12/27/2022	Silver-110m	-5.36E-04	3.88E-04	9.94E-04	pCi/m3	U
2233	571519010	1/24/2022	Tellurium-132	-5.59E-01	5.37E-01	0.00E+00	pCi/m3	U
2233	575119007	2/22/2022	Tellurium-132	2.70E+00	1.44E+00	0.00E+00	pCi/m3	UI
2233	580222010	3/21/2022	Tellurium-132	5.26E+01	7.16E+01	0.00E+00	pCi/m3	UI
2233	582716010	4/18/2022	Tellurium-132	3.44E+01	5.72E+01	0.00E+00	pCi/m3	UI
2233	585173010	5/16/2022	Tellurium-132	-1.93E+00	1.19E+01	0.00E+00	pCi/m3	U
2233	587312007	6/13/2022	Tellurium-132	-4.65E+00	2.53E+00	0.00E+00	pCi/m3	U
2233	592755010	7/11/2022	Tellurium-132	1.06E+03	1.00E+03	0.00E+00	pCi/m3	UI
2233	594667010	8/8/2022	Tellurium-132	-1.09E+01	1.05E+01	0.00E+00	pCi/m3	U
2233	600159011	9/6/2022	Tellurium-132	-2.33E+02	1.86E+02	0.00E+00	pCi/m3	U
2233	600160011	10/3/2022	Tellurium-132	5.57E-01	7.17E-01	0.00E+00	pCi/m3	UI
2233	606088011	10/31/2022	Tellurium-132	4.43E+02	2.95E+02	0.00E+00	pCi/m3	UI
2233	606540011	11/28/2022	Tellurium-132	5.47E+00	2.73E+00	0.00E+00	pCi/m3	UI
2233	609503011	12/27/2022	Tellurium-132	3.72E-01	1.89E+00	0.00E+00	pCi/m3	UI
2233	571519010	1/24/2022	Thallium-208	1.27E-03	5.90E-04	6.94E-04	pCi/m3	UI
2233	575119007	2/22/2022	Thallium-208	3.38E-04	3.85E-04	6.07E-04	pCi/m3	U
2233	580222010	3/21/2022	Thallium-208	-3.07E-04	4.67E-04	1.45E-03	pCi/m3	U
2233	582716010	4/18/2022	Thallium-208	1.22E-04	3.57E-04	1.20E-03	pCi/m3	U
2233	585173010	5/16/2022	Thallium-208	9.75E-04	4.07E-04	6.69E-04	pCi/m3	UI
2233	587312007	6/13/2022	Thallium-208	1.70E-04	3.15E-04	1.07E-03	pCi/m3	U
2233	592755010	7/11/2022	Thallium-208	-4.69E-04	3.08E-04	8.99E-04	pCi/m3	U
2233	594667010	8/8/2022	Thallium-208	3.39E-04	3.63E-04	5.63E-04	pCi/m3	U
2233	600159011	9/6/2022	Thallium-208	8.33E-05	4.20E-04	7.52E-04	pCi/m3	U
2233	600160011	10/3/2022	Thallium-208	-5.31E-04	2.63E-04	7.45E-04	pCi/m3	U
2233	606088011	10/31/2022	Thallium-208	2.48E-04	3.28E-04	1.06E-03	pCi/m3	U
2233	606540011	11/28/2022	Thallium-208	1.93E-04	3.50E-04	1.13E-03	pCi/m3	U
2233	609503011	12/27/2022	Thallium-208	5.82E-04	6.18E-04	8.04E-04	pCi/m3	U
2233	571519010	1/24/2022	Thorium-228	3.83E-05	4.33E-04	1.36E-03	pCi/m3	U
2233	575119007	2/22/2022	Thorium-228	1.99E-05	6.51E-04	1.42E-03	pCi/m3	U
2233	580222010	3/21/2022	Thorium-228	1.77E-03	7.03E-04	2.07E-03	pCi/m3	U
2233	582716010	4/18/2022	Thorium-228	7.89E-04	5.76E-04	9.20E-04	pCi/m3	U
2233	585173010	5/16/2022	Thorium-228	8.74E-04	5.11E-04	9.74E-04	pCi/m3	U
2233	587312007	6/13/2022	Thorium-228	-7.27E-04	4.66E-04	1.50E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	592755010	7/11/2022	Thorium-228	2.32E-04	4.70E-04	1.50E-03	pCi/m3	U
2233	594667010	8/8/2022	Thorium-228	8.32E-05	5.15E-04	1.17E-03	pCi/m3	U
2233	600159011	9/6/2022	Thorium-228	1.29E-04	5.59E-04	1.21E-03	pCi/m3	U
2233	600160011	10/3/2022	Thorium-228	5.88E-04	6.65E-04	1.39E-03	pCi/m3	U
2233	606088011	10/31/2022	Thorium-228	1.49E-03	6.41E-04	1.43E-03	pCi/m3	UI
2233	606540011	11/28/2022	Thorium-228	2.06E-03	8.68E-04	1.82E-03	pCi/m3	UI
2233	609503011	12/27/2022	Thorium-228	1.92E-03	8.54E-04	1.88E-03	pCi/m3	UI
2233	571519010	1/24/2022	Thorium-230	2.02E-03	8.30E-04	1.47E-03	pCi/m3	UI
2233	575119007	2/22/2022	Thorium-230	1.23E-03	7.64E-04	1.73E-03	pCi/m3	U
2233	580222010	3/21/2022	Thorium-230	1.26E-03	1.39E-03	3.13E-03	pCi/m3	U
2233	582716010	4/18/2022	Thorium-230	8.89E-04	6.09E-04	2.19E-03	pCi/m3	U
2233	585173010	5/16/2022	Thorium-230	-3.59E-04	5.48E-04	1.67E-03	pCi/m3	U
2233	587312007	6/13/2022	Thorium-230	7.55E-04	1.15E-03	1.67E-03	pCi/m3	U
2233	592755010	7/11/2022	Thorium-230	1.51E-03	8.87E-04	2.27E-03	pCi/m3	U
2233	594667010	8/8/2022	Thorium-230	5.13E-04	5.47E-04	1.82E-03	pCi/m3	U
2233	600159011	9/6/2022	Thorium-230	3.79E-04	4.95E-04	1.31E-03	pCi/m3	U
2233	600160011	10/3/2022	Thorium-230	-4.48E-07	5.11E-04	1.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Thorium-230	-1.00E-03	5.83E-04	1.54E-03	pCi/m3	U
2233	606540011	11/28/2022	Thorium-230	-8.75E-04	6.84E-04	2.19E-03	pCi/m3	U
2233	609503011	12/27/2022	Thorium-230	4.64E-04	8.88E-04	2.11E-03	pCi/m3	U
2233	571519010	1/24/2022	Thorium-232	-1.16E-03	1.24E-03	3.81E-03	pCi/m3	U
2233	575119007	2/22/2022	Thorium-232	9.74E-04	1.10E-03	3.88E-03	pCi/m3	U
2233	580222010	3/21/2022	Thorium-232	1.05E-03	1.86E-03	6.70E-03	pCi/m3	U
2233	582716010	4/18/2022	Thorium-232	-6.38E-04	1.33E-03	4.39E-03	pCi/m3	U
2233	585173010	5/16/2022	Thorium-232	-4.94E-04	9.83E-04	3.49E-03	pCi/m3	U
2233	587312007	6/13/2022	Thorium-232	9.63E-04	1.37E-03	4.90E-03	pCi/m3	U
2233	592755010	7/11/2022	Thorium-232	7.07E-04	1.64E-03	3.94E-03	pCi/m3	U
2233	594667010	8/8/2022	Thorium-232	3.30E-03	1.13E-03	4.26E-03	pCi/m3	U
2233	600159011	9/6/2022	Thorium-232	2.31E-03	9.55E-04	3.66E-03	pCi/m3	U
2233	600160011	10/3/2022	Thorium-232	-1.54E-03	1.17E-03	3.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Thorium-232	-3.88E-04	1.55E-03	4.60E-03	pCi/m3	U
2233	606540011	11/28/2022	Thorium-232	-1.55E-03	1.50E-03	4.76E-03	pCi/m3	U
2233	609503011	12/27/2022	Thorium-232	-4.72E-04	1.46E-03	4.80E-03	pCi/m3	U
2233	571519010	1/24/2022	Thorium-234	2.18E-04	7.82E-03	1.24E-02	pCi/m3	U
2233	575119007	2/22/2022	Thorium-234	4.30E-03	1.34E-02	2.71E-02	pCi/m3	U
2233	580222010	3/21/2022	Thorium-234	5.69E-03	8.33E-03	2.74E-02	pCi/m3	U
2233	582716010	4/18/2022	Thorium-234	7.80E-03	4.42E-03	1.65E-02	pCi/m3	U
2233	585173010	5/16/2022	Thorium-234	-1.08E-02	6.45E-03	1.90E-02	pCi/m3	U
2233	587312007	6/13/2022	Thorium-234	3.30E-02	2.09E-02	4.39E-02	pCi/m3	U
2233	592755010	7/11/2022	Thorium-234	-4.41E-04	1.32E-02	4.27E-02	pCi/m3	U
2233	594667010	8/8/2022	Thorium-234	1.71E-03	8.28E-03	1.81E-02	pCi/m3	U
2233	600159011	9/6/2022	Thorium-234	-8.63E-03	5.52E-03	1.87E-02	pCi/m3	U
2233	600160011	10/3/2022	Thorium-234	4.29E-02	1.73E-02	3.97E-02	pCi/m3	UI
2233	606088011	10/31/2022	Thorium-234	2.82E-02	2.16E-02	4.28E-02	pCi/m3	U
2233	606540011	11/28/2022	Thorium-234	1.13E-02	1.97E-02	3.96E-02	pCi/m3	U
2233	609503011	12/27/2022	Thorium-234	-1.10E-02	1.21E-02	3.97E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	571519010	1/24/2022	Uranium-234	2.02E-03	8.30E-04	1.47E-03	pCi/m3	U
2233	575119007	2/22/2022	Uranium-234	1.23E-03	7.64E-04	1.73E-03	pCi/m3	U
2233	580222010	3/21/2022	Uranium-234	1.26E-03	1.39E-03	3.13E-03	pCi/m3	U
2233	582716010	4/18/2022	Uranium-234	8.89E-04	6.09E-04	2.19E-03	pCi/m3	U
2233	585173010	5/16/2022	Uranium-234	-3.59E-04	5.48E-04	1.67E-03	pCi/m3	U
2233	587312007	6/13/2022	Uranium-234	7.55E-04	1.15E-03	1.67E-03	pCi/m3	U
2233	592755010	7/11/2022	Uranium-234	1.51E-03	8.87E-04	2.27E-03	pCi/m3	U
2233	594667010	8/8/2022	Uranium-234	5.13E-04	5.47E-04	1.82E-03	pCi/m3	U
2233	600159011	9/6/2022	Uranium-234	3.79E-04	4.95E-04	1.31E-03	pCi/m3	U
2233	600160011	10/3/2022	Uranium-234	-4.48E-07	5.11E-04	1.61E-03	pCi/m3	U
2233	606088011	10/31/2022	Uranium-234	-1.00E-03	5.83E-04	1.54E-03	pCi/m3	U
2233	606540011	11/28/2022	Uranium-234	-8.75E-04	6.84E-04	2.19E-03	pCi/m3	U
2233	609503011	12/27/2022	Uranium-234	4.64E-04	8.88E-04	2.11E-03	pCi/m3	U
2233	571519010	1/24/2022	Zinc-65	5.58E-04	6.07E-04	1.93E-03	pCi/m3	U
2233	575119007	2/22/2022	Zinc-65	-4.06E-04	7.54E-04	2.34E-03	pCi/m3	U
2233	580222010	3/21/2022	Zinc-65	-2.72E-04	8.04E-04	2.60E-03	pCi/m3	U
2233	582716010	4/18/2022	Zinc-65	-2.17E-04	7.00E-04	2.23E-03	pCi/m3	U
2233	585173010	5/16/2022	Zinc-65	-7.01E-04	4.95E-04	1.37E-03	pCi/m3	U
2233	587312007	6/13/2022	Zinc-65	3.72E-04	7.65E-04	2.28E-03	pCi/m3	U
2233	592755010	7/11/2022	Zinc-65	-1.88E-04	5.32E-04	1.68E-03	pCi/m3	U
2233	594667010	8/8/2022	Zinc-65	4.57E-04	5.24E-04	1.88E-03	pCi/m3	U
2233	600159011	9/6/2022	Zinc-65	9.75E-04	4.33E-04	1.84E-03	pCi/m3	U
2233	600160011	10/3/2022	Zinc-65	-2.74E-04	5.18E-04	1.50E-03	pCi/m3	U
2233	606088011	10/31/2022	Zinc-65	1.56E-03	9.09E-04	2.40E-03	pCi/m3	U
2233	606540011	11/28/2022	Zinc-65	7.34E-04	6.87E-04	2.61E-03	pCi/m3	U
2233	609503011	12/27/2022	Zinc-65	7.57E-04	6.88E-04	2.38E-03	pCi/m3	U
2233	571519010	1/24/2022	Zirconium-95	1.26E-04	5.62E-04	1.73E-03	pCi/m3	U
2233	575119007	2/22/2022	Zirconium-95	-5.01E-04	5.44E-04	1.68E-03	pCi/m3	U
2233	580222010	3/21/2022	Zirconium-95	1.91E-03	1.21E-03	3.15E-03	pCi/m3	U
2233	582716010	4/18/2022	Zirconium-95	-1.17E-04	9.53E-04	2.99E-03	pCi/m3	U
2233	585173010	5/16/2022	Zirconium-95	1.69E-03	4.53E-04	1.87E-03	pCi/m3	U
2233	587312007	6/13/2022	Zirconium-95	-1.68E-04	6.99E-04	2.21E-03	pCi/m3	U
2233	592755010	7/11/2022	Zirconium-95	9.78E-04	1.03E-03	3.60E-03	pCi/m3	U
2233	594667010	8/8/2022	Zirconium-95	1.62E-04	5.29E-04	1.85E-03	pCi/m3	U
2233	600159011	9/6/2022	Zirconium-95	-6.86E-05	7.49E-04	2.53E-03	pCi/m3	U
2233	600160011	10/3/2022	Zirconium-95	2.03E-04	5.55E-04	1.71E-03	pCi/m3	U
2233	606088011	10/31/2022	Zirconium-95	-1.67E-04	1.01E-03	3.33E-03	pCi/m3	U
2233	606540011	11/28/2022	Zirconium-95	-2.61E-04	8.17E-04	2.57E-03	pCi/m3	U
2233	609503011	12/27/2022	Zirconium-95	-7.40E-04	6.80E-04	1.90E-03	pCi/m3	U
2234	571519011	1/25/2022	Actinium-228	-1.28E-03	1.35E-03	3.70E-03	pCi/m3	U
2234	575119002	2/22/2022	Actinium-228	-1.76E-04	1.40E-03	4.55E-03	pCi/m3	U
2234	580222011	3/21/2022	Actinium-228	2.53E-03	1.69E-03	3.86E-03	pCi/m3	U
2234	582716011	4/19/2022	Actinium-228	1.88E-03	1.54E-03	4.60E-03	pCi/m3	U
2234	585173011	5/16/2022	Actinium-228	9.58E-04	3.16E-03	7.53E-03	pCi/m3	U
2234	587312005	6/13/2022	Actinium-228	-1.47E-04	9.70E-04	3.21E-03	pCi/m3	U
2234	592755011	7/11/2022	Actinium-228	-1.53E-03	1.74E-03	4.78E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	594667011	8/8/2022	Actinium-228	-1.36E-03	1.01E-03	3.14E-03	pCi/m3	U
2234	600159005	9/6/2022	Actinium-228	-2.22E-03	1.04E-03	2.91E-03	pCi/m3	U
2234	600160005	10/4/2022	Actinium-228	7.24E-04	1.07E-03	3.75E-03	pCi/m3	U
2234	606088005	10/31/2022	Actinium-228	-3.62E-03	1.43E-03	4.01E-03	pCi/m3	U
2234	606540005	11/28/2022	Actinium-228	-2.03E-04	1.41E-03	4.20E-03	pCi/m3	U
2234	609503005	12/27/2022	Actinium-228	3.97E-03	1.42E-03	4.48E-03	pCi/m3	U
2234	571519011	1/25/2022	Americium-241	2.83E-03	1.38E-03	2.73E-03	pCi/m3	UI
2234	575119002	2/22/2022	Americium-241	-1.45E-04	1.01E-03	3.52E-03	pCi/m3	U
2234	580222011	3/21/2022	Americium-241	2.08E-03	1.07E-03	2.51E-03	pCi/m3	U
2234	582716011	4/19/2022	Americium-241	-7.81E-04	1.08E-03	3.29E-03	pCi/m3	U
2234	585173011	5/16/2022	Americium-241	6.05E-04	6.98E-04	2.21E-03	pCi/m3	U
2234	587312005	6/13/2022	Americium-241	-1.56E-03	6.38E-04	1.65E-03	pCi/m3	U
2234	592755011	7/11/2022	Americium-241	-8.95E-04	1.56E-03	4.38E-03	pCi/m3	U
2234	594667011	8/8/2022	Americium-241	-3.45E-05	3.72E-04	1.22E-03	pCi/m3	U
2234	600159005	9/6/2022	Americium-241	1.25E-04	1.21E-03	3.81E-03	pCi/m3	U
2234	600160005	10/4/2022	Americium-241	-7.34E-04	7.55E-04	2.50E-03	pCi/m3	U
2234	606088005	10/31/2022	Americium-241	1.43E-04	2.02E-04	6.91E-04	pCi/m3	U
2234	606540005	11/28/2022	Americium-241	-1.75E-04	6.76E-04	2.24E-03	pCi/m3	U
2234	609503005	12/27/2022	Americium-241	1.60E-04	8.82E-04	2.64E-03	pCi/m3	U
2234	571519011	1/25/2022	Antimony-124	-1.34E-04	5.80E-04	1.77E-03	pCi/m3	U
2234	575119002	2/22/2022	Antimony-124	4.21E-04	1.19E-03	4.15E-03	pCi/m3	U
2234	580222011	3/21/2022	Antimony-124	-1.08E-03	8.90E-04	2.33E-03	pCi/m3	U
2234	582716011	4/19/2022	Antimony-124	2.58E-03	1.40E-03	5.73E-03	pCi/m3	U
2234	585173011	5/16/2022	Antimony-124	-8.40E-04	2.02E-03	6.10E-03	pCi/m3	U
2234	587312005	6/13/2022	Antimony-124	7.86E-04	8.99E-04	3.32E-03	pCi/m3	U
2234	592755011	7/11/2022	Antimony-124	-2.00E-03	1.41E-03	3.30E-03	pCi/m3	U
2234	594667011	8/8/2022	Antimony-124	-6.75E-04	7.40E-04	1.86E-03	pCi/m3	U
2234	600159005	9/6/2022	Antimony-124	-4.37E-04	1.08E-03	3.28E-03	pCi/m3	U
2234	600160005	10/4/2022	Antimony-124	2.22E-03	9.51E-04	4.17E-03	pCi/m3	U
2234	606088005	10/31/2022	Antimony-124	-5.78E-04	1.09E-03	3.03E-03	pCi/m3	U
2234	606540005	11/28/2022	Antimony-124	-5.17E-04	1.23E-03	3.76E-03	pCi/m3	U
2234	609503005	12/27/2022	Antimony-124	2.35E-03	1.12E-03	4.60E-03	pCi/m3	U
2234	571519011	1/25/2022	Antimony-125	-2.32E-04	5.13E-04	1.66E-03	pCi/m3	U
2234	575119002	2/22/2022	Antimony-125	1.74E-04	6.12E-04	2.09E-03	pCi/m3	U
2234	580222011	3/21/2022	Antimony-125	1.13E-05	5.12E-04	1.65E-03	pCi/m3	U
2234	582716011	4/19/2022	Antimony-125	2.62E-03	8.17E-04	1.93E-03	pCi/m3	UI
2234	585173011	5/16/2022	Antimony-125	-9.61E-04	1.14E-03	3.15E-03	pCi/m3	U
2234	587312005	6/13/2022	Antimony-125	3.80E-05	4.34E-04	1.47E-03	pCi/m3	U
2234	592755011	7/11/2022	Antimony-125	6.25E-05	6.71E-04	2.16E-03	pCi/m3	U
2234	594667011	8/8/2022	Antimony-125	9.46E-04	5.08E-04	1.88E-03	pCi/m3	U
2234	600159005	9/6/2022	Antimony-125	-5.47E-04	6.05E-04	1.82E-03	pCi/m3	U
2234	600160005	10/4/2022	Antimony-125	1.02E-03	5.36E-04	2.03E-03	pCi/m3	U
2234	606088005	10/31/2022	Antimony-125	3.52E-05	7.07E-04	2.12E-03	pCi/m3	U
2234	606540005	11/28/2022	Antimony-125	1.00E-03	5.28E-04	2.01E-03	pCi/m3	U
2234	609503005	12/27/2022	Antimony-125	5.79E-04	5.21E-04	1.87E-03	pCi/m3	U
2234	571519011	1/25/2022	Barium-140	2.06E-02	7.66E-03	1.92E-02	pCi/m3	UI

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2234	575119002	2/22/2022	Barium-140	-6.86E-03	1.02E-02	3.01E-02	pCi/m3	U
2234	580222011	3/21/2022	Barium-140	5.80E-03	1.76E-02	5.43E-02	pCi/m3	U
2234	582716011	4/19/2022	Barium-140	-2.79E-03	1.66E-02	5.54E-02	pCi/m3	U
2234	585173011	5/16/2022	Barium-140	1.43E-02	2.34E-02	8.08E-02	pCi/m3	U
2234	587312005	6/13/2022	Barium-140	-6.58E-03	6.60E-03	1.99E-02	pCi/m3	U
2234	592755011	7/11/2022	Barium-140	1.04E-01	4.14E-02	1.65E-01	pCi/m3	U
2234	594667011	8/8/2022	Barium-140	3.36E-04	1.13E-02	3.67E-02	pCi/m3	U
2234	600159005	9/6/2022	Barium-140	-5.53E-03	2.26E-02	7.37E-02	pCi/m3	U
2234	600160005	10/4/2022	Barium-140	6.12E-04	5.32E-03	1.75E-02	pCi/m3	U
2234	606088005	10/31/2022	Barium-140	-3.34E-02	3.35E-02	9.87E-02	pCi/m3	U
2234	606540005	11/28/2022	Barium-140	8.74E-04	8.22E-03	2.74E-02	pCi/m3	U
2234	609503005	12/27/2022	Barium-140	1.20E-02	8.47E-03	3.02E-02	pCi/m3	U
2234	571519011	1/25/2022	Beryllium-7	1.09E-01	8.86E-03	1.02E-02	pCi/m3	
2234	575119002	2/22/2022	Beryllium-7	1.22E-01	1.14E-02	1.17E-02	pCi/m3	
2234	580222011	3/21/2022	Beryllium-7	1.12E-01	8.71E-03	9.71E-03	pCi/m3	
2234	582716011	4/19/2022	Beryllium-7	1.63E-01	1.33E-02	1.26E-02	pCi/m3	
2234	585173011	5/16/2022	Beryllium-7	1.42E-01	1.61E-02	2.01E-02	pCi/m3	
2234	587312005	6/13/2022	Beryllium-7	1.51E-01	9.25E-03	8.24E-03	pCi/m3	
2234	592755011	7/11/2022	Beryllium-7	1.38E-01	1.23E-02	1.81E-02	pCi/m3	
2234	594667011	8/8/2022	Beryllium-7	1.02E-01	8.37E-03	8.51E-03	pCi/m3	
2234	600159005	9/6/2022	Beryllium-7	1.09E-01	1.12E-02	1.19E-02	pCi/m3	
2234	600160005	10/4/2022	Beryllium-7	1.08E-01	8.65E-03	1.04E-02	pCi/m3	
2234	606088005	10/31/2022	Beryllium-7	1.74E-01	1.46E-02	1.37E-02	pCi/m3	
2234	606540005	11/28/2022	Beryllium-7	9.27E-02	9.41E-03	1.05E-02	pCi/m3	
2234	609503005	12/27/2022	Beryllium-7	8.32E-02	9.56E-03	8.01E-03	pCi/m3	
2234	566166021	1/3/2022	BETA	2.63E-02	1.64E-03	1.76E-03	pCi/m3	
2234	566829021	1/12/2022	BETA	4.79E-02	2.01E-03	1.52E-03	pCi/m3	
2234	567639023	1/18/2022	BETA	5.85E-02	2.60E-03	2.06E-03	pCi/m3	
2234	568220021	1/25/2022	BETA	5.07E-02	2.26E-03	1.87E-03	pCi/m3	
2234	568941021	1/31/2022	BETA	5.34E-02	2.55E-03	2.23E-03	pCi/m3	
2234	569535021	2/7/2022	BETA	4.57E-02	2.16E-03	1.74E-03	pCi/m3	
2234	570265001	2/14/2022	BETA	4.49E-02	2.06E-03	1.66E-03	pCi/m3	
2234	571000003	2/22/2022	BETA	4.52E-02	1.93E-03	1.40E-03	pCi/m3	
2234	571637021	2/28/2022	BETA	2.84E-02	1.88E-03	2.12E-03	pCi/m3	
2234	572310003	3/7/2022	BETA	6.06E-02	2.35E-03	1.71E-03	pCi/m3	
2234	573044021	3/14/2022	BETA	3.34E-02	1.76E-03	1.57E-03	pCi/m3	
2234	573809022	3/21/2022	BETA	2.54E-02	1.52E-03	1.59E-03	pCi/m3	
2234	574543021	3/28/2022	BETA	3.07E-02	1.66E-03	1.58E-03	pCi/m3	
2234	575131021	4/4/2022	BETA	3.78E-02	1.92E-03	1.70E-03	pCi/m3	
2234	576092021	4/11/2022	BETA	2.95E-02	1.62E-03	1.56E-03	pCi/m3	
2234	576835023	4/19/2022	BETA	3.41E-02	1.79E-03	1.62E-03	pCi/m3	
2234	577597021	4/25/2022	BETA	3.94E-02	1.85E-03	1.59E-03	pCi/m3	
2234	578409011	5/2/2022	BETA	4.08E-02	1.89E-03	1.55E-03	pCi/m3	
2234	579262005	5/9/2022	BETA	2.72E-02	1.58E-03	1.66E-03	pCi/m3	
2234	580035021	5/16/2022	BETA	3.21E-02	1.67E-03	1.48E-03	pCi/m3	
2234	580692022	5/23/2022	BETA	3.92E-02	1.82E-03	1.47E-03	pCi/m3	

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	581372017	5/31/2022	BETA	1.94E-02	1.10E-03	1.09E-03	pCi/m3	
2234	581946021	6/6/2022	BETA	2.96E-02	1.54E-03	1.41E-03	pCi/m3	
2234	582788009	6/13/2022	BETA	2.30E-02	1.28E-03	1.25E-03	pCi/m3	
2234	583525001	6/21/2022	BETA	3.52E-02	1.47E-03	1.14E-03	pCi/m3	
2234	584134013	6/28/2022	BETA	3.99E-02	1.71E-03	1.45E-03	pCi/m3	
2234	584823021	7/5/2022	BETA	2.47E-02	1.32E-03	1.21E-03	pCi/m3	
2234	585557023	7/11/2022	BETA	4.37E-02	2.52E-03	2.51E-03	pCi/m3	
2234	586344021	7/18/2022	BETA	4.07E-02	1.69E-03	1.25E-03	pCi/m3	
2234	587147021	7/25/2022	BETA	3.00E-02	1.50E-03	1.34E-03	pCi/m3	
2234	587889021	8/2/2022	BETA	1.77E-02	1.05E-03	1.06E-03	pCi/m3	
2234	589386011	8/8/2022	BETA	2.39E-02	1.34E-03	1.34E-03	pCi/m3	
2234	589633021	8/15/2022	BETA	2.86E-02	1.59E-03	1.73E-03	pCi/m3	
2234	590523021	8/23/2022	BETA	4.33E-02	1.66E-03	1.14E-03	pCi/m3	
2234	591270021	8/29/2022	BETA	3.76E-02	1.76E-03	1.48E-03	pCi/m3	
2234	592020009	9/6/2022	BETA	2.67E-02	1.29E-03	1.09E-03	pCi/m3	
2234	592698011	9/12/2022	BETA	2.88E-02	1.57E-03	1.45E-03	pCi/m3	
2234	593605009	9/19/2022	BETA	4.45E-02	1.78E-03	1.26E-03	pCi/m3	
2234	594421009	9/26/2022	BETA	4.60E-02	1.81E-03	1.29E-03	pCi/m3	
2234	594992017	10/4/2022	BETA	1.94E-02	9.76E-04	8.47E-04	pCi/m3	
2234	596154005	10/11/2022	BETA	4.88E-02	1.91E-03	1.30E-03	pCi/m3	
2234	597078013	10/17/2022	BETA	4.36E-02	1.95E-03	1.50E-03	pCi/m3	
2234	597937011	10/24/2022	BETA	4.69E-02	1.92E-03	1.40E-03	pCi/m3	
2234	598805009	10/31/2022	BETA	3.01E-02	1.54E-03	1.37E-03	pCi/m3	
2234	599718009	11/7/2022	BETA	4.89E-02	1.94E-03	1.37E-03	pCi/m3	
2234	600677010	11/14/2022	BETA	3.36E-02	1.59E-03	1.32E-03	pCi/m3	
2234	601448003	11/21/2022	BETA	5.15E-02	2.00E-03	1.37E-03	pCi/m3	
2234	602118009	11/28/2022	BETA	4.95E-02	2.01E-03	1.57E-03	pCi/m3	
2234	602825013	12/5/2022	BETA	4.61E-02	1.91E-03	1.45E-03	pCi/m3	
2234	603752009	12/12/2022	BETA	5.40E-02	3.05E-03	3.02E-03	pCi/m3	
2234	604620013	12/19/2022	BETA	3.78E-02	1.76E-03	1.49E-03	pCi/m3	
2234	605322015	12/27/2022	BETA	4.22E-02	1.72E-03	1.22E-03	pCi/m3	
2234	571519011	1/25/2022	Bismuth-214	-4.78E-04	6.34E-04	1.95E-03	pCi/m3	U
2234	575119002	2/22/2022	Bismuth-214	1.36E-03	1.26E-03	2.93E-03	pCi/m3	U
2234	580222011	3/21/2022	Bismuth-214	1.67E-03	7.94E-04	2.06E-03	pCi/m3	U
2234	582716011	4/19/2022	Bismuth-214	-1.60E-03	7.30E-04	1.67E-03	pCi/m3	U
2234	585173011	5/16/2022	Bismuth-214	1.59E-03	1.04E-03	3.78E-03	pCi/m3	U
2234	587312005	6/13/2022	Bismuth-214	4.17E-04	5.85E-04	1.16E-03	pCi/m3	U
2234	592755011	7/11/2022	Bismuth-214	-2.60E-04	7.77E-04	2.50E-03	pCi/m3	U
2234	594667011	8/8/2022	Bismuth-214	-7.60E-04	5.93E-04	1.75E-03	pCi/m3	U
2234	600159005	9/6/2022	Bismuth-214	8.75E-04	6.02E-04	1.77E-03	pCi/m3	U
2234	600160005	10/4/2022	Bismuth-214	1.33E-03	7.08E-04	1.96E-03	pCi/m3	U
2234	606088005	10/31/2022	Bismuth-214	-1.17E-03	7.95E-04	2.13E-03	pCi/m3	U
2234	606540005	11/28/2022	Bismuth-214	4.90E-04	8.91E-04	1.44E-03	pCi/m3	U
2234	609503005	12/27/2022	Bismuth-214	1.22E-03	5.50E-04	2.02E-03	pCi/m3	U
2234	571519011	1/25/2022	Cerium-141	-1.47E-04	5.53E-04	1.62E-03	pCi/m3	U
2234	575119002	2/22/2022	Cerium-141	-1.28E-03	6.53E-04	1.79E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	580222011	3/21/2022	Cerium-141	-9.17E-04	6.50E-04	1.94E-03	pCi/m3	U
2234	582716011	4/19/2022	Cerium-141	7.56E-04	7.28E-04	2.49E-03	pCi/m3	U
2234	585173011	5/16/2022	Cerium-141	-1.92E-03	1.14E-03	3.34E-03	pCi/m3	U
2234	587312005	6/13/2022	Cerium-141	3.98E-03	1.65E-03	1.33E-03	pCi/m3	UI
2234	592755011	7/11/2022	Cerium-141	2.30E-03	1.52E-03	5.00E-03	pCi/m3	U
2234	594667011	8/8/2022	Cerium-141	-4.55E-04	6.87E-04	1.96E-03	pCi/m3	U
2234	600159005	9/6/2022	Cerium-141	2.90E-04	1.03E-03	3.40E-03	pCi/m3	U
2234	600160005	10/4/2022	Cerium-141	-4.07E-05	4.59E-04	1.51E-03	pCi/m3	U
2234	606088005	10/31/2022	Cerium-141	-8.27E-04	9.62E-04	3.05E-03	pCi/m3	U
2234	606540005	11/28/2022	Cerium-141	1.59E-04	1.00E-03	1.93E-03	pCi/m3	U
2234	609503005	12/27/2022	Cerium-141	-9.46E-04	5.26E-04	1.58E-03	pCi/m3	U
2234	571519011	1/25/2022	Cerium-144	6.75E-05	1.12E-03	3.64E-03	pCi/m3	U
2234	575119002	2/22/2022	Cerium-144	9.35E-04	1.03E-03	3.62E-03	pCi/m3	U
2234	580222011	3/21/2022	Cerium-144	1.23E-03	9.29E-04	3.20E-03	pCi/m3	U
2234	582716011	4/19/2022	Cerium-144	9.49E-04	1.06E-03	3.60E-03	pCi/m3	U
2234	585173011	5/16/2022	Cerium-144	-2.80E-04	1.61E-03	5.14E-03	pCi/m3	U
2234	587312005	6/13/2022	Cerium-144	2.16E-04	7.92E-04	2.60E-03	pCi/m3	U
2234	592755011	7/11/2022	Cerium-144	1.93E-04	1.19E-03	4.07E-03	pCi/m3	U
2234	594667011	8/8/2022	Cerium-144	-7.71E-04	9.36E-04	2.83E-03	pCi/m3	U
2234	600159005	9/6/2022	Cerium-144	1.98E-04	1.08E-03	3.56E-03	pCi/m3	U
2234	600160005	10/4/2022	Cerium-144	3.33E-04	8.73E-04	2.96E-03	pCi/m3	U
2234	606088005	10/31/2022	Cerium-144	1.60E-03	9.07E-04	3.35E-03	pCi/m3	U
2234	606540005	11/28/2022	Cerium-144	8.83E-05	1.07E-03	3.49E-03	pCi/m3	U
2234	609503005	12/27/2022	Cerium-144	1.05E-03	9.32E-04	3.28E-03	pCi/m3	U
2234	571519011	1/25/2022	Cesium-134	9.69E-05	3.69E-04	1.09E-03	pCi/m3	U
2234	575119002	2/22/2022	Cesium-134	-4.26E-04	3.11E-04	8.97E-04	pCi/m3	U
2234	580222011	3/21/2022	Cesium-134	1.58E-04	2.36E-04	8.16E-04	pCi/m3	U
2234	582716011	4/19/2022	Cesium-134	2.37E-04	2.72E-04	9.69E-04	pCi/m3	U
2234	585173011	5/16/2022	Cesium-134	-2.60E-04	5.12E-04	1.55E-03	pCi/m3	U
2234	587312005	6/13/2022	Cesium-134	2.66E-05	1.82E-04	6.01E-04	pCi/m3	U
2234	592755011	7/11/2022	Cesium-134	-5.27E-06	3.32E-04	1.10E-03	pCi/m3	U
2234	594667011	8/8/2022	Cesium-134	-1.59E-04	2.28E-04	7.25E-04	pCi/m3	U
2234	600159005	9/6/2022	Cesium-134	2.48E-04	2.80E-04	9.89E-04	pCi/m3	U
2234	600160005	10/4/2022	Cesium-134	-1.97E-04	2.68E-04	8.35E-04	pCi/m3	U
2234	606088005	10/31/2022	Cesium-134	-3.82E-04	3.97E-04	1.10E-03	pCi/m3	U
2234	606540005	11/28/2022	Cesium-134	-5.48E-06	2.81E-04	9.02E-04	pCi/m3	U
2234	609503005	12/27/2022	Cesium-134	7.13E-06	2.84E-04	9.54E-04	pCi/m3	U
2234	571519011	1/25/2022	Cesium-137	7.92E-04	2.25E-04	9.45E-04	pCi/m3	U
2234	575119002	2/22/2022	Cesium-137	-4.08E-04	3.29E-04	9.28E-04	pCi/m3	U
2234	580222011	3/21/2022	Cesium-137	-4.73E-04	3.08E-04	8.86E-04	pCi/m3	U
2234	582716011	4/19/2022	Cesium-137	7.60E-04	2.81E-04	1.07E-03	pCi/m3	U
2234	585173011	5/16/2022	Cesium-137	-3.45E-04	4.76E-04	1.45E-03	pCi/m3	U
2234	587312005	6/13/2022	Cesium-137	-4.93E-04	2.34E-04	5.55E-04	pCi/m3	U
2234	592755011	7/11/2022	Cesium-137	1.41E-04	2.96E-04	1.03E-03	pCi/m3	U
2234	594667011	8/8/2022	Cesium-137	-1.71E-04	2.18E-04	6.45E-04	pCi/m3	U
2234	600159005	9/6/2022	Cesium-137	-1.72E-04	1.93E-04	5.68E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	600160005	10/4/2022	Cesium-137	5.02E-05	2.93E-04	9.45E-04	pCi/m3	U
2234	606088005	10/31/2022	Cesium-137	5.14E-04	2.98E-04	1.14E-03	pCi/m3	U
2234	606540005	11/28/2022	Cesium-137	3.47E-04	2.44E-04	8.38E-04	pCi/m3	U
2234	609503005	12/27/2022	Cesium-137	3.92E-04	2.58E-04	9.23E-04	pCi/m3	U
2234	571519011	1/25/2022	Chromium-51	-3.22E-04	3.56E-03	1.21E-02	pCi/m3	U
2234	575119002	2/22/2022	Chromium-51	4.15E-04	4.99E-03	1.25E-02	pCi/m3	U
2234	580222011	3/21/2022	Chromium-51	-4.21E-04	5.40E-03	1.78E-02	pCi/m3	U
2234	582716011	4/19/2022	Chromium-51	5.58E-03	7.11E-03	2.46E-02	pCi/m3	U
2234	585173011	5/16/2022	Chromium-51	2.47E-02	2.42E-02	3.22E-02	pCi/m3	U
2234	587312005	6/13/2022	Chromium-51	1.12E-03	3.89E-03	1.35E-02	pCi/m3	U
2234	592755011	7/11/2022	Chromium-51	-3.69E-03	1.24E-02	3.52E-02	pCi/m3	U
2234	594667011	8/8/2022	Chromium-51	3.56E-03	5.43E-03	1.71E-02	pCi/m3	U
2234	600159005	9/6/2022	Chromium-51	-5.09E-04	8.12E-03	2.51E-02	pCi/m3	U
2234	600160005	10/4/2022	Chromium-51	6.89E-03	3.91E-03	1.46E-02	pCi/m3	U
2234	606088005	10/31/2022	Chromium-51	1.89E-02	1.41E-02	2.75E-02	pCi/m3	U
2234	606540005	11/28/2022	Chromium-51	4.14E-03	4.39E-03	1.58E-02	pCi/m3	U
2234	609503005	12/27/2022	Chromium-51	2.49E-03	4.40E-03	1.55E-02	pCi/m3	U
2234	571519011	1/25/2022	Cobalt-57	-2.32E-04	1.51E-04	4.52E-04	pCi/m3	U
2234	575119002	2/22/2022	Cobalt-57	1.92E-04	1.20E-04	4.42E-04	pCi/m3	U
2234	580222011	3/21/2022	Cobalt-57	-1.77E-04	1.17E-04	3.51E-04	pCi/m3	U
2234	582716011	4/19/2022	Cobalt-57	-4.31E-05	1.10E-04	3.48E-04	pCi/m3	U
2234	585173011	5/16/2022	Cobalt-57	5.00E-05	1.98E-04	6.51E-04	pCi/m3	U
2234	587312005	6/13/2022	Cobalt-57	-1.16E-04	1.04E-04	3.14E-04	pCi/m3	U
2234	592755011	7/11/2022	Cobalt-57	4.16E-04	2.31E-04	5.83E-04	pCi/m3	U
2234	594667011	8/8/2022	Cobalt-57	-5.33E-06	1.12E-04	3.56E-04	pCi/m3	U
2234	600159005	9/6/2022	Cobalt-57	-1.40E-04	1.36E-04	4.16E-04	pCi/m3	U
2234	600160005	10/4/2022	Cobalt-57	-2.13E-04	1.12E-04	3.29E-04	pCi/m3	U
2234	606088005	10/31/2022	Cobalt-57	-1.54E-04	1.31E-04	3.75E-04	pCi/m3	U
2234	606540005	11/28/2022	Cobalt-57	2.75E-05	1.29E-04	4.24E-04	pCi/m3	U
2234	609503005	12/27/2022	Cobalt-57	-6.49E-06	1.22E-04	4.09E-04	pCi/m3	U
2234	571519011	1/25/2022	Cobalt-58	2.37E-05	3.08E-04	9.95E-04	pCi/m3	U
2234	575119002	2/22/2022	Cobalt-58	3.89E-04	3.69E-04	1.38E-03	pCi/m3	U
2234	580222011	3/21/2022	Cobalt-58	8.79E-07	3.30E-04	1.07E-03	pCi/m3	U
2234	582716011	4/19/2022	Cobalt-58	6.30E-04	4.31E-04	1.60E-03	pCi/m3	U
2234	585173011	5/16/2022	Cobalt-58	1.43E-03	6.21E-04	2.46E-03	pCi/m3	U
2234	587312005	6/13/2022	Cobalt-58	8.20E-05	2.75E-04	9.17E-04	pCi/m3	U
2234	592755011	7/11/2022	Cobalt-58	4.37E-04	5.22E-04	1.70E-03	pCi/m3	U
2234	594667011	8/8/2022	Cobalt-58	4.70E-05	3.06E-04	1.01E-03	pCi/m3	U
2234	600159005	9/6/2022	Cobalt-58	-9.79E-05	4.08E-04	1.27E-03	pCi/m3	U
2234	600160005	10/4/2022	Cobalt-58	-6.70E-05	3.42E-04	9.79E-04	pCi/m3	U
2234	606088005	10/31/2022	Cobalt-58	-6.34E-04	5.86E-04	1.77E-03	pCi/m3	U
2234	606540005	11/28/2022	Cobalt-58	-3.47E-04	3.33E-04	9.30E-04	pCi/m3	U
2234	609503005	12/27/2022	Cobalt-58	2.74E-04	5.30E-04	1.51E-03	pCi/m3	U
2234	571519011	1/25/2022	Cobalt-60	1.48E-04	2.61E-04	9.32E-04	pCi/m3	U
2234	575119002	2/22/2022	Cobalt-60	8.17E-04	4.39E-04	1.70E-03	pCi/m3	U
2234	580222011	3/21/2022	Cobalt-60	-7.96E-04	3.78E-04	7.09E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	582716011	4/19/2022	Cobalt-60	-1.82E-04	2.63E-04	7.55E-04	pCi/m3	U
2234	585173011	5/16/2022	Cobalt-60	-1.02E-03	4.44E-04	1.13E-03	pCi/m3	U
2234	587312005	6/13/2022	Cobalt-60	-3.73E-04	1.90E-04	3.89E-04	pCi/m3	U
2234	592755011	7/11/2022	Cobalt-60	2.19E-04	3.22E-04	1.17E-03	pCi/m3	U
2234	594667011	8/8/2022	Cobalt-60	-1.38E-04	2.52E-04	7.64E-04	pCi/m3	U
2234	600159005	9/6/2022	Cobalt-60	9.37E-05	2.67E-04	9.40E-04	pCi/m3	U
2234	600160005	10/4/2022	Cobalt-60	3.09E-07	3.03E-04	1.02E-03	pCi/m3	U
2234	606088005	10/31/2022	Cobalt-60	-5.33E-05	4.19E-04	1.33E-03	pCi/m3	U
2234	606540005	11/28/2022	Cobalt-60	-2.01E-04	2.84E-04	8.54E-04	pCi/m3	U
2234	609503005	12/27/2022	Cobalt-60	-6.08E-04	3.23E-04	8.49E-04	pCi/m3	U
2234	571519011	1/25/2022	Iron-59	-5.74E-04	9.60E-04	3.04E-03	pCi/m3	U
2234	575119002	2/22/2022	Iron-59	-7.21E-04	1.21E-03	3.69E-03	pCi/m3	U
2234	580222011	3/21/2022	Iron-59	2.17E-04	9.70E-04	3.30E-03	pCi/m3	U
2234	582716011	4/19/2022	Iron-59	-8.60E-05	1.04E-03	3.43E-03	pCi/m3	U
2234	585173011	5/16/2022	Iron-59	-1.26E-04	2.07E-03	6.90E-03	pCi/m3	U
2234	587312005	6/13/2022	Iron-59	8.16E-04	7.82E-04	2.93E-03	pCi/m3	U
2234	592755011	7/11/2022	Iron-59	-2.72E-03	1.74E-03	4.42E-03	pCi/m3	U
2234	594667011	8/8/2022	Iron-59	-5.00E-04	9.42E-04	2.95E-03	pCi/m3	U
2234	600159005	9/6/2022	Iron-59	1.39E-03	1.06E-03	4.04E-03	pCi/m3	U
2234	600160005	10/4/2022	Iron-59	1.63E-04	6.42E-04	2.18E-03	pCi/m3	U
2234	606088005	10/31/2022	Iron-59	3.44E-04	1.68E-03	5.54E-03	pCi/m3	U
2234	606540005	11/28/2022	Iron-59	1.29E-03	8.25E-04	3.26E-03	pCi/m3	U
2234	609503005	12/27/2022	Iron-59	-5.24E-05	9.87E-04	3.18E-03	pCi/m3	U
2234	571519011	1/25/2022	Lanthanum-140	-3.67E-03	2.73E-03	5.56E-03	pCi/m3	U
2234	575119002	2/22/2022	Lanthanum-140	-3.92E-04	3.84E-03	1.26E-02	pCi/m3	U
2234	580222011	3/21/2022	Lanthanum-140	9.50E-03	6.98E-03	2.68E-02	pCi/m3	U
2234	582716011	4/19/2022	Lanthanum-140	9.95E-03	7.95E-03	3.09E-02	pCi/m3	U
2234	585173011	5/16/2022	Lanthanum-140	2.09E-03	8.08E-03	2.74E-02	pCi/m3	U
2234	587312005	6/13/2022	Lanthanum-140	-5.70E-04	2.98E-03	9.55E-03	pCi/m3	U
2234	592755011	7/11/2022	Lanthanum-140	-6.85E-03	1.96E-02	6.20E-02	pCi/m3	U
2234	594667011	8/8/2022	Lanthanum-140	-5.70E-03	4.12E-03	9.83E-03	pCi/m3	U
2234	600159005	9/6/2022	Lanthanum-140	6.11E-03	9.17E-03	3.38E-02	pCi/m3	U
2234	600160005	10/4/2022	Lanthanum-140	1.47E-03	2.39E-03	8.64E-03	pCi/m3	U
2234	606088005	10/31/2022	Lanthanum-140	-1.37E-02	2.22E-02	5.69E-02	pCi/m3	U
2234	606540005	11/28/2022	Lanthanum-140	-2.52E-04	4.05E-03	1.31E-02	pCi/m3	U
2234	609503005	12/27/2022	Lanthanum-140	-2.61E-04	2.84E-03	9.21E-03	pCi/m3	U
2234	571519011	1/25/2022	Lead-210	9.42E-02	4.56E-02	7.61E-02	pCi/m3	UI
2234	575119002	2/22/2022	Lead-210	3.96E-02	4.19E-02	1.24E-01	pCi/m3	U
2234	580222011	3/21/2022	Lead-210	2.06E-03	3.19E-02	1.12E-01	pCi/m3	U
2234	582716011	4/19/2022	Lead-210	-6.63E-03	3.06E-02	1.06E-01	pCi/m3	U
2234	585173011	5/16/2022	Lead-210	1.78E-02	5.37E-03	1.94E-02	pCi/m3	U
2234	587312005	6/13/2022	Lead-210	-8.43E-03	1.57E-02	4.92E-02	pCi/m3	U
2234	592755011	7/11/2022	Lead-210	9.13E-02	5.79E-02	1.99E-01	pCi/m3	U
2234	594667011	8/8/2022	Lead-210	3.89E-02	1.12E-02	2.03E-02	pCi/m3	U
2234	600159005	9/6/2022	Lead-210	2.21E-02	5.50E-02	1.75E-01	pCi/m3	U
2234	600160005	10/4/2022	Lead-210	8.36E-02	6.22E-02	9.46E-02	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	606088005	10/31/2022	Lead-210	2.49E-02	4.53E-03	5.60E-03	pCi/m3	
2234	606540005	11/28/2022	Lead-210	-4.80E-02	2.51E-02	7.51E-02	pCi/m3	U
2234	609503005	12/27/2022	Lead-210	1.45E-01	6.59E-02	9.80E-02	pCi/m3	UI
2234	571519011	1/25/2022	Lead-212	1.08E-03	6.17E-04	1.56E-03	pCi/m3	U
2234	575119002	2/22/2022	Lead-212	3.11E-04	5.69E-04	1.51E-03	pCi/m3	U
2234	580222011	3/21/2022	Lead-212	9.46E-04	6.85E-04	8.23E-04	pCi/m3	UI
2234	582716011	4/19/2022	Lead-212	1.05E-03	4.72E-04	1.37E-03	pCi/m3	U
2234	585173011	5/16/2022	Lead-212	1.56E-03	9.89E-04	2.54E-03	pCi/m3	U
2234	587312005	6/13/2022	Lead-212	1.01E-04	3.70E-04	1.17E-03	pCi/m3	U
2234	592755011	7/11/2022	Lead-212	-5.25E-04	5.33E-04	1.61E-03	pCi/m3	U
2234	594667011	8/8/2022	Lead-212	-1.97E-04	3.43E-04	1.07E-03	pCi/m3	U
2234	600159005	9/6/2022	Lead-212	3.16E-04	3.89E-04	1.28E-03	pCi/m3	U
2234	600160005	10/4/2022	Lead-212	-1.76E-04	3.75E-04	1.14E-03	pCi/m3	U
2234	606088005	10/31/2022	Lead-212	1.06E-03	5.98E-04	1.42E-03	pCi/m3	U
2234	606540005	11/28/2022	Lead-212	8.55E-04	5.00E-04	1.81E-03	pCi/m3	U
2234	609503005	12/27/2022	Lead-212	1.46E-03	6.98E-04	1.03E-03	pCi/m3	UI
2234	571519011	1/25/2022	Lead-214	4.13E-03	8.03E-04	2.21E-03	pCi/m3	UI
2234	575119002	2/22/2022	Lead-214	-5.02E-05	6.27E-04	2.05E-03	pCi/m3	U
2234	580222011	3/21/2022	Lead-214	5.98E-04	8.56E-04	1.14E-03	pCi/m3	U
2234	582716011	4/19/2022	Lead-214	8.20E-04	6.99E-04	1.62E-03	pCi/m3	U
2234	585173011	5/16/2022	Lead-214	-1.05E-05	8.86E-04	2.96E-03	pCi/m3	U
2234	587312005	6/13/2022	Lead-214	2.88E-04	3.92E-04	1.38E-03	pCi/m3	U
2234	592755011	7/11/2022	Lead-214	-9.02E-04	6.82E-04	1.93E-03	pCi/m3	U
2234	594667011	8/8/2022	Lead-214	1.81E-04	6.80E-04	1.57E-03	pCi/m3	U
2234	600159005	9/6/2022	Lead-214	-4.44E-04	5.22E-04	1.58E-03	pCi/m3	U
2234	600160005	10/4/2022	Lead-214	2.42E-03	1.01E-03	1.68E-03	pCi/m3	UI
2234	606088005	10/31/2022	Lead-214	2.62E-04	1.29E-03	2.23E-03	pCi/m3	U
2234	606540005	11/28/2022	Lead-214	1.79E-03	1.02E-03	1.84E-03	pCi/m3	U
2234	609503005	12/27/2022	Lead-214	3.61E-04	5.81E-04	1.77E-03	pCi/m3	U
2234	571519011	1/25/2022	Manganese-54	-1.13E-04	2.38E-04	7.18E-04	pCi/m3	U
2234	575119002	2/22/2022	Manganese-54	-2.76E-04	2.50E-04	7.22E-04	pCi/m3	U
2234	580222011	3/21/2022	Manganese-54	2.79E-04	2.19E-04	7.95E-04	pCi/m3	U
2234	582716011	4/19/2022	Manganese-54	8.67E-06	2.10E-04	6.83E-04	pCi/m3	U
2234	585173011	5/16/2022	Manganese-54	5.83E-04	4.75E-04	1.70E-03	pCi/m3	U
2234	587312005	6/13/2022	Manganese-54	2.40E-04	1.89E-04	6.98E-04	pCi/m3	U
2234	592755011	7/11/2022	Manganese-54	4.34E-04	3.49E-04	1.27E-03	pCi/m3	U
2234	594667011	8/8/2022	Manganese-54	1.69E-05	2.09E-04	7.14E-04	pCi/m3	U
2234	600159005	9/6/2022	Manganese-54	1.74E-04	3.13E-04	1.07E-03	pCi/m3	U
2234	600160005	10/4/2022	Manganese-54	-2.21E-04	2.44E-04	7.37E-04	pCi/m3	U
2234	606088005	10/31/2022	Manganese-54	2.59E-06	3.33E-04	1.13E-03	pCi/m3	U
2234	606540005	11/28/2022	Manganese-54	1.63E-04	3.35E-04	1.12E-03	pCi/m3	U
2234	609503005	12/27/2022	Manganese-54	1.45E-05	3.03E-04	1.02E-03	pCi/m3	U
2234	571519011	1/25/2022	Molybdenum-99	-2.84E+01	2.31E+01	0.00E+00	pCi/m3	U
2234	575119002	2/22/2022	Molybdenum-99	6.77E+01	9.76E+01	0.00E+00	pCi/m3	UI
2234	580222011	3/21/2022	Molybdenum-99	1.28E+03	5.14E+03	0.00E+00	pCi/m3	UI
2234	582716011	4/19/2022	Molybdenum-99	2.55E+03	4.82E+03	0.00E+00	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	585173011	5/16/2022	Molybdenum-99	-5.31E+02	1.72E+03	0.00E+00	pCi/m3	U
2234	587312005	6/13/2022	Molybdenum-99	9.21E+01	1.04E+02	0.00E+00	pCi/m3	UI
2234	592755011	7/11/2022	Molybdenum-99	1.22E+04	1.37E+05	0.00E+00	pCi/m3	UI
2234	594667011	8/8/2022	Molybdenum-99	-9.99E+02	6.73E+02	0.00E+00	pCi/m3	U
2234	600159005	9/6/2022	Molybdenum-99	7.26E+03	2.47E+04	0.00E+00	pCi/m3	UI
2234	600160005	10/4/2022	Molybdenum-99	4.07E+00	2.16E+01	0.00E+00	pCi/m3	UI
2234	606088005	10/31/2022	Molybdenum-99	3.67E+04	5.06E+04	0.00E+00	pCi/m3	UI
2234	606540005	11/28/2022	Molybdenum-99	1.44E+01	1.17E+02	0.00E+00	pCi/m3	UI
2234	609503005	12/27/2022	Molybdenum-99	1.53E+01	1.07E+02	0.00E+00	pCi/m3	UI
2234	571519011	1/25/2022	Niobium-95	-2.57E-04	3.29E-04	9.68E-04	pCi/m3	U
2234	575119002	2/22/2022	Niobium-95	2.70E-04	4.07E-04	1.46E-03	pCi/m3	U
2234	580222011	3/21/2022	Niobium-95	1.86E-04	3.75E-04	1.28E-03	pCi/m3	U
2234	582716011	4/19/2022	Niobium-95	-6.55E-04	3.64E-04	8.89E-04	pCi/m3	U
2234	585173011	5/16/2022	Niobium-95	-3.22E-04	7.59E-04	2.34E-03	pCi/m3	U
2234	587312005	6/13/2022	Niobium-95	1.53E-04	3.28E-04	1.14E-03	pCi/m3	U
2234	592755011	7/11/2022	Niobium-95	-5.46E-04	6.16E-04	1.88E-03	pCi/m3	U
2234	594667011	8/8/2022	Niobium-95	-3.65E-04	3.82E-04	1.10E-03	pCi/m3	U
2234	600159005	9/6/2022	Niobium-95	-1.08E-04	5.26E-04	1.68E-03	pCi/m3	U
2234	600160005	10/4/2022	Niobium-95	-6.74E-04	3.42E-04	9.31E-04	pCi/m3	U
2234	606088005	10/31/2022	Niobium-95	-7.73E-04	6.06E-04	1.59E-03	pCi/m3	U
2234	606540005	11/28/2022	Niobium-95	-8.24E-04	4.92E-04	1.21E-03	pCi/m3	U
2234	609503005	12/27/2022	Niobium-95	-9.57E-04	4.10E-04	1.13E-03	pCi/m3	U
2234	571519011	1/25/2022	Potassium-40	5.39E-04	4.33E-03	1.54E-02	pCi/m3	U
2234	575119002	2/22/2022	Potassium-40	7.32E-03	6.69E-03	9.87E-03	pCi/m3	U
2234	580222011	3/21/2022	Potassium-40	9.74E-03	4.86E-03	1.01E-02	pCi/m3	U
2234	582716011	4/19/2022	Potassium-40	7.77E-03	4.37E-03	9.61E-03	pCi/m3	U
2234	585173011	5/16/2022	Potassium-40	1.43E-02	1.09E-02	1.33E-02	pCi/m3	UI
2234	587312005	6/13/2022	Potassium-40	4.56E-03	3.78E-03	8.32E-03	pCi/m3	U
2234	592755011	7/11/2022	Potassium-40	2.68E-02	7.63E-03	1.16E-02	pCi/m3	UI
2234	594667011	8/8/2022	Potassium-40	9.92E-03	5.18E-03	5.12E-03	pCi/m3	UI
2234	600159005	9/6/2022	Potassium-40	1.10E-02	4.74E-03	9.30E-03	pCi/m3	UI
2234	600160005	10/4/2022	Potassium-40	1.88E-02	3.91E-03	8.29E-03	pCi/m3	
2234	606088005	10/31/2022	Potassium-40	3.42E-03	5.87E-03	9.97E-03	pCi/m3	U
2234	606540005	11/28/2022	Potassium-40	1.41E-02	5.38E-03	9.20E-03	pCi/m3	UI
2234	609503005	12/27/2022	Potassium-40	1.41E-02	5.06E-03	9.58E-03	pCi/m3	UI
2234	571519011	1/25/2022	Radium-226	-4.78E-04	6.34E-04	1.95E-03	pCi/m3	U
2234	575119002	2/22/2022	Radium-226	1.36E-03	1.26E-03	2.93E-03	pCi/m3	U
2234	580222011	3/21/2022	Radium-226	1.67E-03	7.94E-04	2.06E-03	pCi/m3	U
2234	582716011	4/19/2022	Radium-226	-1.60E-03	7.30E-04	1.67E-03	pCi/m3	U
2234	585173011	5/16/2022	Radium-226	1.59E-03	1.04E-03	3.78E-03	pCi/m3	U
2234	587312005	6/13/2022	Radium-226	4.17E-04	5.85E-04	1.16E-03	pCi/m3	U
2234	592755011	7/11/2022	Radium-226	-2.60E-04	7.77E-04	2.50E-03	pCi/m3	U
2234	594667011	8/8/2022	Radium-226	-7.60E-04	5.93E-04	1.75E-03	pCi/m3	U
2234	600159005	9/6/2022	Radium-226	-4.44E-04	5.22E-04	1.58E-03	pCi/m3	U
2234	600160005	10/4/2022	Radium-226	2.42E-03	1.01E-03	1.68E-03	pCi/m3	UI
2234	606088005	10/31/2022	Radium-226	2.62E-04	1.29E-03	2.23E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	606540005	11/28/2022	Radium-226	1.79E-03	1.02E-03	1.84E-03	pCi/m3	U
2234	609503005	12/27/2022	Radium-226	3.61E-04	5.81E-04	1.77E-03	pCi/m3	U
2234	571519011	1/25/2022	Radium-228	-1.28E-03	1.35E-03	3.70E-03	pCi/m3	U
2234	575119002	2/22/2022	Radium-228	-1.76E-04	1.40E-03	4.55E-03	pCi/m3	U
2234	580222011	3/21/2022	Radium-228	2.53E-03	1.69E-03	3.86E-03	pCi/m3	U
2234	582716011	4/19/2022	Radium-228	1.88E-03	1.54E-03	4.60E-03	pCi/m3	U
2234	585173011	5/16/2022	Radium-228	9.58E-04	3.16E-03	7.53E-03	pCi/m3	U
2234	587312005	6/13/2022	Radium-228	-1.47E-04	9.70E-04	3.21E-03	pCi/m3	U
2234	592755011	7/11/2022	Radium-228	-1.53E-03	1.74E-03	4.78E-03	pCi/m3	U
2234	594667011	8/8/2022	Radium-228	-1.36E-03	1.01E-03	3.14E-03	pCi/m3	U
2234	600159005	9/6/2022	Radium-228	-2.22E-03	1.04E-03	2.91E-03	pCi/m3	U
2234	600160005	10/4/2022	Radium-228	7.24E-04	1.07E-03	3.75E-03	pCi/m3	U
2234	606088005	10/31/2022	Radium-228	-3.62E-03	1.43E-03	4.01E-03	pCi/m3	U
2234	606540005	11/28/2022	Radium-228	-2.03E-04	1.41E-03	4.20E-03	pCi/m3	U
2234	609503005	12/27/2022	Radium-228	3.97E-03	1.42E-03	4.48E-03	pCi/m3	U
2234	571519011	1/25/2022	Ruthenium-103	7.48E-04	4.77E-04	1.03E-03	pCi/m3	U
2234	575119002	2/22/2022	Ruthenium-103	-2.31E-04	4.94E-04	1.37E-03	pCi/m3	U
2234	580222011	3/21/2022	Ruthenium-103	-1.95E-04	4.36E-04	1.33E-03	pCi/m3	U
2234	582716011	4/19/2022	Ruthenium-103	2.95E-04	6.15E-04	2.03E-03	pCi/m3	U
2234	585173011	5/16/2022	Ruthenium-103	-5.13E-04	6.30E-04	1.91E-03	pCi/m3	U
2234	587312005	6/13/2022	Ruthenium-103	3.65E-04	3.84E-04	1.36E-03	pCi/m3	U
2234	592755011	7/11/2022	Ruthenium-103	-9.11E-04	8.45E-04	2.42E-03	pCi/m3	U
2234	594667011	8/8/2022	Ruthenium-103	-2.72E-04	4.05E-04	1.25E-03	pCi/m3	U
2234	600159005	9/6/2022	Ruthenium-103	1.13E-03	5.48E-04	2.13E-03	pCi/m3	U
2234	600160005	10/4/2022	Ruthenium-103	1.08E-04	3.65E-04	1.22E-03	pCi/m3	U
2234	606088005	10/31/2022	Ruthenium-103	6.10E-04	7.90E-04	2.79E-03	pCi/m3	U
2234	606540005	11/28/2022	Ruthenium-103	-4.04E-05	3.79E-04	1.25E-03	pCi/m3	U
2234	609503005	12/27/2022	Ruthenium-103	-8.96E-05	4.52E-04	1.39E-03	pCi/m3	U
2234	571519011	1/25/2022	Ruthenium-106	1.24E-03	3.05E-03	5.40E-03	pCi/m3	U
2234	575119002	2/22/2022	Ruthenium-106	-4.08E-03	2.93E-03	8.20E-03	pCi/m3	U
2234	580222011	3/21/2022	Ruthenium-106	-2.27E-03	2.39E-03	6.90E-03	pCi/m3	U
2234	582716011	4/19/2022	Ruthenium-106	-1.10E-03	2.13E-03	6.17E-03	pCi/m3	U
2234	585173011	5/16/2022	Ruthenium-106	5.82E-03	3.96E-03	1.45E-02	pCi/m3	U
2234	587312005	6/13/2022	Ruthenium-106	-3.70E-04	1.71E-03	5.51E-03	pCi/m3	U
2234	592755011	7/11/2022	Ruthenium-106	-2.52E-03	2.71E-03	8.42E-03	pCi/m3	U
2234	594667011	8/8/2022	Ruthenium-106	-1.97E-03	2.09E-03	6.18E-03	pCi/m3	U
2234	600159005	9/6/2022	Ruthenium-106	-3.07E-03	2.19E-03	6.27E-03	pCi/m3	U
2234	600160005	10/4/2022	Ruthenium-106	1.69E-03	1.95E-03	6.82E-03	pCi/m3	U
2234	606088005	10/31/2022	Ruthenium-106	1.84E-03	1.95E-03	6.80E-03	pCi/m3	U
2234	606540005	11/28/2022	Ruthenium-106	-2.23E-04	2.08E-03	6.75E-03	pCi/m3	U
2234	609503005	12/27/2022	Ruthenium-106	-1.07E-03	2.60E-03	8.05E-03	pCi/m3	U
2234	571519011	1/25/2022	Selenium-75	-3.29E-04	3.42E-04	9.98E-04	pCi/m3	U
2234	575119002	2/22/2022	Selenium-75	2.52E-04	3.35E-04	1.11E-03	pCi/m3	U
2234	580222011	3/21/2022	Selenium-75	-8.48E-05	2.37E-04	7.83E-04	pCi/m3	U
2234	582716011	4/19/2022	Selenium-75	-6.10E-05	3.08E-04	1.03E-03	pCi/m3	U
2234	585173011	5/16/2022	Selenium-75	-3.33E-04	4.82E-04	1.60E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	587312005	6/13/2022	Selenium-75	2.94E-04	2.48E-04	8.39E-04	pCi/m3	U
2234	592755011	7/11/2022	Selenium-75	1.48E-04	4.54E-04	1.52E-03	pCi/m3	U
2234	594667011	8/8/2022	Selenium-75	1.84E-04	2.51E-04	8.85E-04	pCi/m3	U
2234	600159005	9/6/2022	Selenium-75	-2.63E-04	3.59E-04	1.07E-03	pCi/m3	U
2234	600160005	10/4/2022	Selenium-75	1.45E-04	2.75E-04	8.95E-04	pCi/m3	U
2234	606088005	10/31/2022	Selenium-75	-1.84E-04	3.90E-04	1.19E-03	pCi/m3	U
2234	606540005	11/28/2022	Selenium-75	3.65E-04	3.41E-04	1.13E-03	pCi/m3	U
2234	609503005	12/27/2022	Selenium-75	1.39E-04	3.07E-04	9.88E-04	pCi/m3	U
2234	571519011	1/25/2022	Silver-108m	9.40E-05	2.03E-04	7.02E-04	pCi/m3	U
2234	575119002	2/22/2022	Silver-108m	1.57E-05	2.06E-04	6.92E-04	pCi/m3	U
2234	580222011	3/21/2022	Silver-108m	4.33E-04	1.13E-04	4.74E-04	pCi/m3	U
2234	582716011	4/19/2022	Silver-108m	2.59E-04	1.77E-04	6.40E-04	pCi/m3	U
2234	585173011	5/16/2022	Silver-108m	1.68E-04	2.96E-04	1.03E-03	pCi/m3	U
2234	587312005	6/13/2022	Silver-108m	-4.15E-04	1.42E-04	3.60E-04	pCi/m3	U
2234	592755011	7/11/2022	Silver-108m	7.17E-05	2.12E-04	6.96E-04	pCi/m3	U
2234	594667011	8/8/2022	Silver-108m	8.33E-06	1.65E-04	5.46E-04	pCi/m3	U
2234	600159005	9/6/2022	Silver-108m	7.91E-04	4.18E-04	6.00E-04	pCi/m3	UI
2234	600160005	10/4/2022	Silver-110m	-3.43E-04	3.71E-04	1.11E-03	pCi/m3	U
2234	606088005	10/31/2022	Silver-110m	-2.42E-05	5.69E-04	1.68E-03	pCi/m3	U
2234	606540005	11/28/2022	Silver-110m	-7.62E-04	4.25E-04	1.08E-03	pCi/m3	U
2234	609503005	12/27/2022	Silver-110m	4.16E-05	4.32E-04	1.45E-03	pCi/m3	U
2234	571519011	1/25/2022	Tellurium-132	-8.07E-02	4.76E-01	0.00E+00	pCi/m3	U
2234	575119002	2/22/2022	Tellurium-132	3.21E+00	1.55E+00	0.00E+00	pCi/m3	UI
2234	580222011	3/21/2022	Tellurium-132	7.02E+00	4.17E+01	0.00E+00	pCi/m3	UI
2234	582716011	4/19/2022	Tellurium-132	3.02E+01	3.95E+01	0.00E+00	pCi/m3	UI
2234	585173011	5/16/2022	Tellurium-132	-6.72E+00	2.13E+01	0.00E+00	pCi/m3	U
2234	587312005	6/13/2022	Tellurium-132	2.47E+00	1.87E+00	0.00E+00	pCi/m3	UI
2234	592755011	7/11/2022	Tellurium-132	-8.29E+02	9.79E+02	0.00E+00	pCi/m3	U
2234	594667011	8/8/2022	Tellurium-132	-1.07E+01	1.16E+01	0.00E+00	pCi/m3	U
2234	600159005	9/6/2022	Tellurium-132	-5.63E+00	2.30E+02	0.00E+00	pCi/m3	U
2234	600160005	10/4/2022	Tellurium-132	-4.50E-02	5.23E-01	0.00E+00	pCi/m3	U
2234	606088005	10/31/2022	Tellurium-132	1.15E+02	3.19E+02	0.00E+00	pCi/m3	UI
2234	606540005	11/28/2022	Tellurium-132	2.49E+00	2.11E+00	0.00E+00	pCi/m3	UI
2234	609503005	12/27/2022	Tellurium-132	-5.33E-02	1.73E+00	0.00E+00	pCi/m3	U
2234	571519011	1/25/2022	Thallium-208	3.56E-04	5.36E-04	7.33E-04	pCi/m3	U
2234	575119002	2/22/2022	Thallium-208	-1.30E-05	3.56E-04	9.96E-04	pCi/m3	U
2234	580222011	3/21/2022	Thallium-208	-2.99E-04	2.87E-04	8.23E-04	pCi/m3	U
2234	582716011	4/19/2022	Thallium-208	3.64E-04	3.06E-04	6.62E-04	pCi/m3	U
2234	585173011	5/16/2022	Thallium-208	2.24E-03	7.34E-04	1.37E-03	pCi/m3	UI
2234	587312005	6/13/2022	Thallium-208	1.26E-04	3.56E-04	5.93E-04	pCi/m3	U
2234	592755011	7/11/2022	Thallium-208	8.48E-04	4.88E-04	8.91E-04	pCi/m3	U
2234	594667011	8/8/2022	Thallium-208	-2.77E-04	2.51E-04	7.70E-04	pCi/m3	U
2234	600159005	9/6/2022	Thallium-208	-1.70E-04	2.40E-04	7.59E-04	pCi/m3	U
2234	600160005	10/4/2022	Thallium-208	2.29E-05	3.09E-04	9.82E-04	pCi/m3	U
2234	606088005	10/31/2022	Thallium-208	2.43E-05	4.94E-04	9.12E-04	pCi/m3	U
2234	606540005	11/28/2022	Thallium-208	4.89E-04	4.85E-04	6.43E-04	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	609503005	12/27/2022	Thallium-208	8.00E-04	4.15E-04	6.27E-04	pCi/m3	UI
2234	571519011	1/25/2022	Thorium-228	1.08E-03	6.17E-04	1.56E-03	pCi/m3	U
2234	575119002	2/22/2022	Thorium-228	3.11E-04	5.69E-04	1.51E-03	pCi/m3	U
2234	580222011	3/21/2022	Thorium-228	9.46E-04	6.85E-04	8.23E-04	pCi/m3	UI
2234	582716011	4/19/2022	Thorium-228	1.05E-03	4.72E-04	1.37E-03	pCi/m3	U
2234	585173011	5/16/2022	Thorium-228	1.56E-03	9.89E-04	2.54E-03	pCi/m3	U
2234	587312005	6/13/2022	Thorium-228	1.01E-04	3.70E-04	1.17E-03	pCi/m3	U
2234	592755011	7/11/2022	Thorium-228	-5.25E-04	5.33E-04	1.61E-03	pCi/m3	U
2234	594667011	8/8/2022	Thorium-228	-1.97E-04	3.43E-04	1.07E-03	pCi/m3	U
2234	600159005	9/6/2022	Thorium-228	3.16E-04	3.89E-04	1.28E-03	pCi/m3	U
2234	600160005	10/4/2022	Thorium-228	-1.76E-04	3.75E-04	1.14E-03	pCi/m3	U
2234	606088005	10/31/2022	Thorium-228	1.06E-03	5.98E-04	1.42E-03	pCi/m3	U
2234	606540005	11/28/2022	Thorium-228	8.55E-04	5.00E-04	1.81E-03	pCi/m3	U
2234	609503005	12/27/2022	Thorium-228	1.46E-03	6.98E-04	1.03E-03	pCi/m3	UI
2234	571519011	1/25/2022	Thorium-230	-4.78E-04	6.34E-04	1.95E-03	pCi/m3	U
2234	575119002	2/22/2022	Thorium-230	1.36E-03	1.26E-03	2.93E-03	pCi/m3	U
2234	580222011	3/21/2022	Thorium-230	1.67E-03	7.94E-04	2.06E-03	pCi/m3	U
2234	582716011	4/19/2022	Thorium-230	-1.60E-03	7.30E-04	1.67E-03	pCi/m3	U
2234	585173011	5/16/2022	Thorium-230	1.59E-03	1.04E-03	3.78E-03	pCi/m3	U
2234	587312005	6/13/2022	Thorium-230	4.17E-04	5.85E-04	1.16E-03	pCi/m3	U
2234	592755011	7/11/2022	Thorium-230	-2.59E-04	7.77E-04	2.50E-03	pCi/m3	U
2234	594667011	8/8/2022	Thorium-230	-7.60E-04	5.93E-04	1.75E-03	pCi/m3	U
2234	600159005	9/6/2022	Thorium-230	-4.44E-04	5.22E-04	1.58E-03	pCi/m3	U
2234	600160005	10/4/2022	Thorium-230	2.42E-03	1.01E-03	1.68E-03	pCi/m3	UI
2234	606088005	10/31/2022	Thorium-230	2.62E-04	1.29E-03	2.23E-03	pCi/m3	U
2234	606540005	11/28/2022	Thorium-230	1.79E-03	1.02E-03	1.84E-03	pCi/m3	U
2234	609503005	12/27/2022	Thorium-230	3.61E-04	5.81E-04	1.77E-03	pCi/m3	U
2234	571519011	1/25/2022	Thorium-232	-1.28E-03	1.35E-03	3.70E-03	pCi/m3	U
2234	575119002	2/22/2022	Thorium-232	-1.76E-04	1.40E-03	4.55E-03	pCi/m3	U
2234	580222011	3/21/2022	Thorium-232	2.53E-03	1.69E-03	3.86E-03	pCi/m3	U
2234	582716011	4/19/2022	Thorium-232	1.88E-03	1.54E-03	4.60E-03	pCi/m3	U
2234	585173011	5/16/2022	Thorium-232	9.58E-04	3.16E-03	7.53E-03	pCi/m3	U
2234	587312005	6/13/2022	Thorium-232	-1.47E-04	9.70E-04	3.21E-03	pCi/m3	U
2234	592755011	7/11/2022	Thorium-232	-1.53E-03	1.74E-03	4.78E-03	pCi/m3	U
2234	594667011	8/8/2022	Thorium-232	-1.36E-03	1.01E-03	3.14E-03	pCi/m3	U
2234	600159005	9/6/2022	Thorium-232	-2.22E-03	1.04E-03	2.91E-03	pCi/m3	U
2234	600160005	10/4/2022	Thorium-232	7.24E-04	1.07E-03	3.75E-03	pCi/m3	U
2234	606088005	10/31/2022	Thorium-232	-3.62E-03	1.43E-03	4.01E-03	pCi/m3	U
2234	606540005	11/28/2022	Thorium-232	-2.03E-04	1.41E-03	4.20E-03	pCi/m3	U
2234	609503005	12/27/2022	Thorium-232	3.97E-03	1.42E-03	4.48E-03	pCi/m3	U
2234	571519011	1/25/2022	Thorium-234	-1.84E-02	7.96E-03	2.59E-02	pCi/m3	U
2234	575119002	2/22/2022	Thorium-234	1.48E-02	1.54E-02	2.67E-02	pCi/m3	U
2234	580222011	3/21/2022	Thorium-234	1.52E-02	1.08E-02	2.73E-02	pCi/m3	U
2234	582716011	4/19/2022	Thorium-234	5.30E-02	1.93E-02	2.64E-02	pCi/m3	UI
2234	585173011	5/16/2022	Thorium-234	5.72E-03	1.12E-02	1.97E-02	pCi/m3	U
2234	587312005	6/13/2022	Thorium-234	1.60E-03	7.45E-03	1.60E-02	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	592755011	7/11/2022	Thorium-234	2.42E-02	1.99E-02	3.47E-02	pCi/m3	U
2234	594667011	8/8/2022	Thorium-234	-2.85E-03	4.72E-03	1.53E-02	pCi/m3	U
2234	600159005	9/6/2022	Thorium-234	1.23E-02	1.44E-02	3.56E-02	pCi/m3	U
2234	600160005	10/4/2022	Thorium-234	-2.97E-03	7.66E-03	2.43E-02	pCi/m3	U
2234	606088005	10/31/2022	Thorium-234	1.68E-04	4.54E-03	1.11E-02	pCi/m3	U
2234	606540005	11/28/2022	Thorium-234	-2.65E-03	8.73E-03	2.87E-02	pCi/m3	U
2234	609503005	12/27/2022	Thorium-234	1.22E-03	1.15E-02	2.18E-02	pCi/m3	U
2234	571519011	1/25/2022	Uranium-234	-4.78E-04	6.34E-04	1.95E-03	pCi/m3	U
2234	575119002	2/22/2022	Uranium-234	1.36E-03	1.26E-03	2.93E-03	pCi/m3	U
2234	580222011	3/21/2022	Uranium-234	1.67E-03	7.94E-04	2.06E-03	pCi/m3	U
2234	582716011	4/19/2022	Uranium-234	-1.60E-03	7.30E-04	1.67E-03	pCi/m3	U
2234	585173011	5/16/2022	Uranium-234	1.59E-03	1.04E-03	3.78E-03	pCi/m3	U
2234	587312005	6/13/2022	Uranium-234	4.17E-04	5.85E-04	1.16E-03	pCi/m3	U
2234	592755011	7/11/2022	Uranium-234	-2.59E-04	7.77E-04	2.50E-03	pCi/m3	U
2234	594667011	8/8/2022	Uranium-234	-7.60E-04	5.93E-04	1.75E-03	pCi/m3	U
2234	600159005	9/6/2022	Uranium-234	-4.44E-04	5.22E-04	1.58E-03	pCi/m3	U
2234	600160005	10/4/2022	Uranium-234	2.42E-03	1.01E-03	1.68E-03	pCi/m3	UI
2234	606088005	10/31/2022	Uranium-234	2.62E-04	1.29E-03	2.23E-03	pCi/m3	U
2234	606540005	11/28/2022	Uranium-234	1.79E-03	1.02E-03	1.84E-03	pCi/m3	U
2234	609503005	12/27/2022	Uranium-234	3.61E-04	5.81E-04	1.77E-03	pCi/m3	U
2234	571519011	1/25/2022	Zinc-65	-7.89E-04	6.65E-04	1.96E-03	pCi/m3	U
2234	575119002	2/22/2022	Zinc-65	-6.05E-04	7.96E-04	2.36E-03	pCi/m3	U
2234	580222011	3/21/2022	Zinc-65	1.17E-03	6.31E-04	1.86E-03	pCi/m3	U
2234	582716011	4/19/2022	Zinc-65	-4.60E-04	6.25E-04	1.89E-03	pCi/m3	U
2234	585173011	5/16/2022	Zinc-65	-1.27E-03	9.21E-04	2.51E-03	pCi/m3	U
2234	587312005	6/13/2022	Zinc-65	4.12E-04	4.88E-04	1.80E-03	pCi/m3	U
2234	592755011	7/11/2022	Zinc-65	5.86E-04	7.26E-04	2.57E-03	pCi/m3	U
2234	594667011	8/8/2022	Zinc-65	-1.07E-04	6.09E-04	1.72E-03	pCi/m3	U
2234	600159005	9/6/2022	Zinc-65	1.27E-03	6.91E-04	2.65E-03	pCi/m3	U
2234	600160005	10/4/2022	Zinc-65	-1.65E-04	6.67E-04	2.10E-03	pCi/m3	U
2234	606088005	10/31/2022	Zinc-65	8.97E-04	7.85E-04	2.99E-03	pCi/m3	U
2234	606540005	11/28/2022	Zinc-65	2.74E-04	4.20E-04	1.43E-03	pCi/m3	U
2234	609503005	12/27/2022	Zinc-65	-7.52E-04	7.72E-04	2.27E-03	pCi/m3	U
2234	571519011	1/25/2022	Zirconium-95	-5.76E-04	4.97E-04	1.34E-03	pCi/m3	U
2234	575119002	2/22/2022	Zirconium-95	-1.28E-03	8.11E-04	2.36E-03	pCi/m3	U
2234	580222011	3/21/2022	Zirconium-95	1.05E-03	6.98E-04	2.56E-03	pCi/m3	U
2234	582716011	4/19/2022	Zirconium-95	3.07E-04	7.51E-04	2.56E-03	pCi/m3	U
2234	585173011	5/16/2022	Zirconium-95	-8.83E-04	1.03E-03	2.93E-03	pCi/m3	U
2234	587312005	6/13/2022	Zirconium-95	-6.17E-04	5.70E-04	1.64E-03	pCi/m3	U
2234	592755011	7/11/2022	Zirconium-95	1.07E-03	8.82E-04	3.28E-03	pCi/m3	U
2234	594667011	8/8/2022	Zirconium-95	6.63E-04	6.64E-04	2.30E-03	pCi/m3	U
2234	600159005	9/6/2022	Zirconium-95	1.16E-03	7.38E-04	2.79E-03	pCi/m3	U
2234	600160005	10/4/2022	Zirconium-95	7.34E-04	4.90E-04	1.91E-03	pCi/m3	U
2234	606088005	10/31/2022	Zirconium-95	2.28E-03	1.05E-03	4.11E-03	pCi/m3	U
2234	606540005	11/28/2022	Zirconium-95	-7.04E-04	6.32E-04	1.78E-03	pCi/m3	U
2234	609503005	12/27/2022	Zirconium-95	3.94E-04	6.71E-04	2.36E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	572333004	1/24/2022	Actinium-228	1.53E-03	1.31E-03	4.71E-03	pCi/m3	U
3298	575117002	2/22/2022	Actinium-228	-2.01E-03	1.28E-03	3.59E-03	pCi/m3	U
3298	580221001	3/21/2022	Actinium-228	1.85E-03	1.46E-03	3.80E-03	pCi/m3	U
3298	582166010	4/18/2022	Actinium-228	9.10E-04	1.59E-03	4.36E-03	pCi/m3	U
3298	585170010	5/16/2022	Actinium-228	1.16E-03	1.73E-03	4.32E-03	pCi/m3	U
3298	587307009	6/13/2022	Actinium-228	6.71E-05	1.00E-03	3.50E-03	pCi/m3	U
3298	592753010	7/10/2022	Actinium-228	-1.30E-03	1.17E-03	3.45E-03	pCi/m3	U
3298	592754010	8/8/2022	Actinium-228	3.80E-04	1.69E-03	3.87E-03	pCi/m3	U
3298	600039010	9/5/2022	Actinium-228	-3.12E-03	1.35E-03	3.51E-03	pCi/m3	U
3298	600041010	10/3/2022	Actinium-228	4.75E-03	1.80E-03	4.03E-03	pCi/m3	UI
3298	606087007	10/31/2022	Actinium-228	2.66E-04	1.41E-03	4.04E-03	pCi/m3	U
3298	606380010	11/28/2022	Actinium-228	-3.61E-04	1.11E-03	2.70E-03	pCi/m3	U
3298	609494010	12/27/2022	Actinium-228	1.24E-03	1.31E-03	4.67E-03	pCi/m3	U
3298	572333004	1/24/2022	Americium-241	2.01E-04	2.26E-04	7.95E-04	pCi/m3	U
3298	575117002	2/22/2022	Americium-241	2.61E-04	8.19E-04	2.93E-03	pCi/m3	U
3298	580221001	3/21/2022	Americium-241	-1.54E-04	8.42E-04	2.48E-03	pCi/m3	U
3298	582166010	4/18/2022	Americium-241	1.87E-03	1.04E-03	3.85E-03	pCi/m3	U
3298	585170010	5/16/2022	Americium-241	6.65E-04	1.04E-03	3.67E-03	pCi/m3	U
3298	587307009	6/13/2022	Americium-241	-6.22E-04	6.75E-04	1.97E-03	pCi/m3	U
3298	592753010	7/10/2022	Americium-241	4.87E-05	4.65E-04	1.36E-03	pCi/m3	U
3298	592754010	8/8/2022	Americium-241	1.95E-05	3.76E-04	1.24E-03	pCi/m3	U
3298	600039010	9/5/2022	Americium-241	1.73E-04	1.73E-04	5.90E-04	pCi/m3	U
3298	600041010	10/3/2022	Americium-241	9.04E-04	7.38E-04	2.61E-03	pCi/m3	U
3298	606087007	10/31/2022	Americium-241	-3.80E-05	5.93E-04	1.97E-03	pCi/m3	U
3298	606380010	11/28/2022	Americium-241	2.55E-05	1.68E-04	5.53E-04	pCi/m3	U
3298	609494010	12/27/2022	Americium-241	1.46E-04	1.65E-04	5.72E-04	pCi/m3	U
3298	572333004	1/24/2022	Antimony-124	-2.74E-04	1.09E-03	3.48E-03	pCi/m3	U
3298	575117002	2/22/2022	Antimony-124	6.71E-04	8.50E-04	3.23E-03	pCi/m3	U
3298	580221001	3/21/2022	Antimony-124	-8.89E-04	7.95E-04	2.00E-03	pCi/m3	U
3298	582166010	4/18/2022	Antimony-124	-1.37E-03	1.12E-03	2.61E-03	pCi/m3	U
3298	585170010	5/16/2022	Antimony-124	1.63E-03	1.13E-03	4.53E-03	pCi/m3	U
3298	587307009	6/13/2022	Antimony-124	-2.24E-04	6.14E-04	1.88E-03	pCi/m3	U
3298	592753010	7/10/2022	Antimony-124	-1.72E-03	1.88E-03	4.04E-03	pCi/m3	U
3298	592754010	8/8/2022	Antimony-124	-1.20E-04	7.43E-04	2.30E-03	pCi/m3	U
3298	600039010	9/5/2022	Antimony-124	-4.61E-04	1.21E-03	3.68E-03	pCi/m3	U
3298	600041010	10/3/2022	Antimony-124	1.15E-03	6.90E-04	2.94E-03	pCi/m3	U
3298	606087007	10/31/2022	Antimony-124	-1.37E-03	1.35E-03	3.53E-03	pCi/m3	U
3298	606380010	11/28/2022	Antimony-124	1.46E-04	7.94E-04	2.65E-03	pCi/m3	U
3298	609494010	12/27/2022	Antimony-124	1.33E-03	1.48E-03	5.50E-03	pCi/m3	U
3298	572333004	1/24/2022	Antimony-125	2.87E-04	5.88E-04	2.08E-03	pCi/m3	U
3298	575117002	2/22/2022	Antimony-125	7.93E-04	5.47E-04	2.02E-03	pCi/m3	U
3298	580221001	3/21/2022	Antimony-125	-2.69E-04	4.55E-04	1.49E-03	pCi/m3	U
3298	582166010	4/18/2022	Antimony-125	-5.53E-04	5.92E-04	1.63E-03	pCi/m3	U
3298	585170010	5/16/2022	Antimony-125	-8.70E-05	5.98E-04	1.97E-03	pCi/m3	U
3298	587307009	6/13/2022	Antimony-125	-7.85E-04	4.63E-04	1.40E-03	pCi/m3	U
3298	592753010	7/10/2022	Antimony-125	-1.84E-04	5.82E-04	1.85E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	592754010	8/8/2022	Antimony-125	1.52E-04	5.11E-04	1.72E-03	pCi/m3	U
3298	600039010	9/5/2022	Antimony-125	-3.21E-04	5.08E-04	1.59E-03	pCi/m3	U
3298	600041010	10/3/2022	Antimony-125	2.34E-04	5.79E-04	1.82E-03	pCi/m3	U
3298	606087007	10/31/2022	Antimony-125	-2.47E-04	6.28E-04	1.80E-03	pCi/m3	U
3298	606380010	11/28/2022	Antimony-125	-1.53E-04	4.30E-04	1.41E-03	pCi/m3	U
3298	609494010	12/27/2022	Antimony-125	4.10E-04	6.46E-04	2.27E-03	pCi/m3	U
3298	572333004	1/24/2022	Barium-140	-4.74E-03	9.58E-03	2.73E-02	pCi/m3	U
3298	575117002	2/22/2022	Barium-140	-4.85E-03	8.73E-03	2.56E-02	pCi/m3	U
3298	580221001	3/21/2022	Barium-140	-1.67E-02	1.30E-02	3.88E-02	pCi/m3	U
3298	582166010	4/18/2022	Barium-140	1.51E-02	1.53E-02	5.54E-02	pCi/m3	U
3298	585170010	5/16/2022	Barium-140	1.93E-02	1.29E-02	4.73E-02	pCi/m3	U
3298	587307009	6/13/2022	Barium-140	-1.27E-03	6.28E-03	2.05E-02	pCi/m3	U
3298	592753010	7/10/2022	Barium-140	-3.46E-02	3.33E-02	8.97E-02	pCi/m3	U
3298	592754010	8/8/2022	Barium-140	-1.90E-03	6.88E-03	2.19E-02	pCi/m3	U
3298	600039010	9/5/2022	Barium-140	1.61E-02	2.93E-02	1.01E-01	pCi/m3	U
3298	600041010	10/3/2022	Barium-140	7.26E-03	6.31E-03	2.26E-02	pCi/m3	U
3298	606087007	10/31/2022	Barium-140	2.78E-03	2.25E-02	7.49E-02	pCi/m3	U
3298	606380010	11/28/2022	Barium-140	2.23E-03	5.26E-03	1.78E-02	pCi/m3	U
3298	609494010	12/27/2022	Barium-140	-1.10E-02	8.17E-03	2.32E-02	pCi/m3	U
3298	572333004	1/24/2022	Beryllium-7	1.23E-01	9.28E-03	1.14E-02	pCi/m3	U
3298	575117002	2/22/2022	Beryllium-7	1.21E-01	9.83E-03	1.01E-02	pCi/m3	U
3298	580221001	3/21/2022	Beryllium-7	1.17E-01	8.56E-03	9.52E-03	pCi/m3	U
3298	582166010	4/18/2022	Beryllium-7	1.17E-01	1.22E-02	1.35E-02	pCi/m3	U
3298	585170010	5/16/2022	Beryllium-7	1.34E-01	1.13E-02	8.85E-03	pCi/m3	U
3298	587307009	6/13/2022	Beryllium-7	1.29E-01	8.71E-03	7.98E-03	pCi/m3	U
3298	592753010	7/10/2022	Beryllium-7	1.21E-01	1.28E-02	1.07E-02	pCi/m3	U
3298	592754010	8/8/2022	Beryllium-7	1.02E-01	7.16E-03	8.57E-03	pCi/m3	U
3298	600039010	9/5/2022	Beryllium-7	9.30E-02	1.28E-02	1.50E-02	pCi/m3	U
3298	600041010	10/3/2022	Beryllium-7	1.04E-01	8.73E-03	9.74E-03	pCi/m3	U
3298	606087007	10/31/2022	Beryllium-7	1.30E-01	1.03E-02	1.18E-02	pCi/m3	U
3298	606380010	11/28/2022	Beryllium-7	1.27E-01	6.65E-03	7.17E-03	pCi/m3	U
3298	609494010	12/27/2022	Beryllium-7	7.02E-02	8.94E-03	1.02E-02	pCi/m3	U
3298	566168019	1/3/2022	BETA	2.47E-02	1.50E-03	1.59E-03	pCi/m3	U
3298	566833009	1/10/2022	BETA	4.64E-02	2.07E-03	1.64E-03	pCi/m3	U
3298	567637019	1/18/2022	BETA	5.04E-02	1.97E-03	1.43E-03	pCi/m3	U
3298	568223007	1/24/2022	BETA	4.24E-02	2.10E-03	1.92E-03	pCi/m3	U
3298	568942001	1/31/2022	BETA	5.33E-02	2.20E-03	1.68E-03	pCi/m3	U
3298	569529005	2/7/2022	BETA	4.16E-02	1.93E-03	1.53E-03	pCi/m3	U
3298	570268003	2/14/2022	BETA	2.50E-02	1.51E-03	1.53E-03	pCi/m3	U
3298	570996003	2/22/2022	BETA	4.34E-02	1.86E-03	1.46E-03	pCi/m3	U
3298	571638021	2/28/2022	BETA	2.97E-02	1.75E-03	1.82E-03	pCi/m3	U
3298	572306013	3/8/2022	BETA	5.06E-02	1.99E-03	1.48E-03	pCi/m3	U
3298	573046019	3/14/2022	BETA	3.32E-02	1.89E-03	1.82E-03	pCi/m3	U
3298	573814001	3/21/2022	BETA	2.62E-02	1.59E-03	1.65E-03	pCi/m3	U
3298	574544001	3/28/2022	BETA	2.91E-02	1.63E-03	1.55E-03	pCi/m3	U
3298	575135003	4/4/2022	BETA	2.31E-02	1.46E-03	1.66E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	576096021	4/11/2022	BETA	2.75E-02	1.61E-03	1.62E-03	pCi/m3	
3298	576838003	4/18/2022	BETA	2.39E-02	1.48E-03	1.50E-03	pCi/m3	
3298	577598019	4/25/2022	BETA	3.74E-02	1.81E-03	1.60E-03	pCi/m3	
3298	578413001	5/2/2022	BETA	4.37E-02	2.01E-03	1.63E-03	pCi/m3	
3298	579263019	5/9/2022	BETA	2.78E-02	1.62E-03	1.62E-03	pCi/m3	
3298	580017001	5/16/2022	BETA	3.35E-02	1.76E-03	1.77E-03	pCi/m3	
3298	580693019	5/23/2022	BETA	4.59E-02	2.06E-03	1.70E-03	pCi/m3	
3298	581368019	5/29/2022	BETA	1.75E-02	1.25E-03	1.46E-03	pCi/m3	
3298	581947023	6/5/2022	BETA	2.10E-02	9.65E-04	8.82E-04	pCi/m3	
3298	582784017	6/13/2022	BETA	2.47E-02	1.33E-03	1.24E-03	pCi/m3	
3298	583527019	6/20/2022	BETA	3.10E-02	1.48E-03	1.28E-03	pCi/m3	
3298	584138019	6/27/2022	BETA	3.72E-02	1.64E-03	1.44E-03	pCi/m3	
3298	584825017	7/3/2022	BETA	2.72E-02	1.50E-03	1.62E-03	pCi/m3	
3298	585563019	7/10/2022	BETA	2.57E-02	1.36E-03	1.26E-03	pCi/m3	
3298	586346019	7/18/2022	BETA	3.12E-02	1.38E-03	1.09E-03	pCi/m3	
3298	587143015	7/25/2022	BETA	2.89E-02	1.43E-03	1.25E-03	pCi/m3	
3298	587890021	8/2/2022	BETA	1.77E-02	1.06E-03	1.14E-03	pCi/m3	
3298	588825012	8/8/2022	BETA	2.44E-02	1.45E-03	1.48E-03	pCi/m3	
3298	589636017	8/15/2022	BETA	2.51E-02	1.33E-03	1.21E-03	pCi/m3	
3298	590518019	8/22/2022	BETA	4.08E-02	1.71E-03	1.38E-03	pCi/m3	
3298	591271019	8/29/2022	BETA	3.90E-02	1.65E-03	1.26E-03	pCi/m3	
3298	592016019	9/5/2022	BETA	3.14E-02	1.47E-03	1.23E-03	pCi/m3	
3298	592699019	9/12/2022	BETA	2.68E-02	1.38E-03	1.20E-03	pCi/m3	
3298	593609019	9/19/2022	BETA	3.44E-02	1.53E-03	1.20E-03	pCi/m3	
3298	594419019	9/26/2022	BETA	4.27E-02	1.71E-03	1.21E-03	pCi/m3	
3298	594996019	10/3/2022	BETA	2.43E-02	1.26E-03	1.14E-03	pCi/m3	
3298	596150019	10/10/2022	BETA	3.62E-02	1.57E-03	1.19E-03	pCi/m3	
3298	597082019	10/17/2022	BETA	4.32E-02	1.73E-03	1.23E-03	pCi/m3	
3298	597938019	10/24/2022	BETA	4.50E-02	1.81E-03	1.46E-03	pCi/m3	
3298	598801013	10/31/2022	BETA	3.32E-02	1.51E-03	1.21E-03	pCi/m3	
3298	599719019	11/8/2022	BETA	3.90E-02	1.53E-03	1.07E-03	pCi/m3	
3298	600673001	11/14/2022	BETA	3.40E-02	1.69E-03	1.44E-03	pCi/m3	
3298	601446002	11/21/2022	BETA	4.53E-02	1.79E-03	1.22E-03	pCi/m3	
3298	602121014	11/28/2022	BETA	4.74E-02	1.79E-03	1.21E-03	pCi/m3	
3298	602826023	12/6/2022	BETA	4.34E-02	1.66E-03	1.23E-03	pCi/m3	
3298	603746019	12/12/2022	BETA	2.08E-02	1.32E-03	1.38E-03	pCi/m3	
3298	604623021	12/19/2022	BETA	3.56E-02	1.59E-03	1.24E-03	pCi/m3	
3298	605318019	12/27/2022	BETA	4.28E-02	1.59E-03	1.04E-03	pCi/m3	
3298	572333004	1/24/2022	Bismuth-214	1.83E-03	1.15E-03	2.70E-03	pCi/m3	U
3298	575117002	2/22/2022	Bismuth-214	3.70E-03	1.14E-03	2.23E-03	pCi/m3	UI
3298	580221001	3/21/2022	Bismuth-214	4.14E-04	4.76E-04	1.51E-03	pCi/m3	U
3298	582166010	4/18/2022	Bismuth-214	4.31E-03	9.44E-04	1.37E-03	pCi/m3	UI
3298	585170010	5/16/2022	Bismuth-214	2.67E-04	6.45E-04	2.01E-03	pCi/m3	U
3298	587307009	6/13/2022	Bismuth-214	-2.11E-04	5.63E-04	1.61E-03	pCi/m3	U
3298	592753010	7/10/2022	Bismuth-214	1.61E-03	8.45E-04	2.17E-03	pCi/m3	U
3298	592754010	8/8/2022	Bismuth-214	1.70E-03	9.57E-04	2.01E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	600039010	9/5/2022	Bismuth-214	4.39E-04	7.03E-04	2.08E-03	pCi/m3	U
3298	600041010	10/3/2022	Bismuth-214	1.61E-04	6.14E-04	1.99E-03	pCi/m3	U
3298	606087007	10/31/2022	Bismuth-214	2.47E-04	8.95E-04	1.52E-03	pCi/m3	U
3298	606380010	11/28/2022	Bismuth-214	4.51E-04	8.54E-04	1.75E-03	pCi/m3	U
3298	609494010	12/27/2022	Bismuth-214	2.86E-03	9.32E-04	2.31E-03	pCi/m3	UI
3298	572333004	1/24/2022	Cerium-141	1.07E-04	5.77E-04	1.90E-03	pCi/m3	U
3298	575117002	2/22/2022	Cerium-141	-1.81E-03	6.58E-04	1.58E-03	pCi/m3	U
3298	580221001	3/21/2022	Cerium-141	2.46E-03	1.05E-03	1.94E-03	pCi/m3	UI
3298	582166010	4/18/2022	Cerium-141	7.05E-04	1.68E-03	2.62E-03	pCi/m3	U
3298	585170010	5/16/2022	Cerium-141	-2.39E-04	6.61E-04	2.09E-03	pCi/m3	U
3298	587307009	6/13/2022	Cerium-141	-1.63E-03	6.32E-04	1.61E-03	pCi/m3	U
3298	592753010	7/10/2022	Cerium-141	-2.15E-04	9.66E-04	2.92E-03	pCi/m3	U
3298	592754010	8/8/2022	Cerium-141	5.77E-04	7.81E-04	1.37E-03	pCi/m3	U
3298	600039010	9/5/2022	Cerium-141	-2.24E-03	9.43E-04	2.54E-03	pCi/m3	U
3298	600041010	10/3/2022	Cerium-141	3.77E-04	8.27E-04	1.42E-03	pCi/m3	U
3298	606087007	10/31/2022	Cerium-141	2.25E-03	1.51E-03	2.88E-03	pCi/m3	U
3298	606380010	11/28/2022	Cerium-141	9.17E-05	4.66E-04	1.38E-03	pCi/m3	U
3298	609494010	12/27/2022	Cerium-141	-4.30E-04	4.99E-04	1.58E-03	pCi/m3	U
3298	572333004	1/24/2022	Cerium-144	2.54E-04	9.74E-04	3.24E-03	pCi/m3	U
3298	575117002	2/22/2022	Cerium-144	-8.77E-04	8.76E-04	2.74E-03	pCi/m3	U
3298	580221001	3/21/2022	Cerium-144	1.38E-03	9.10E-04	3.20E-03	pCi/m3	U
3298	582166010	4/18/2022	Cerium-144	6.01E-04	1.03E-03	3.09E-03	pCi/m3	U
3298	585170010	5/16/2022	Cerium-144	4.96E-04	1.08E-03	3.36E-03	pCi/m3	U
3298	587307009	6/13/2022	Cerium-144	-2.22E-04	8.41E-04	2.67E-03	pCi/m3	U
3298	592753010	7/10/2022	Cerium-144	1.81E-03	1.05E-03	3.83E-03	pCi/m3	U
3298	592754010	8/8/2022	Cerium-144	-7.63E-04	8.14E-04	2.43E-03	pCi/m3	U
3298	600039010	9/5/2022	Cerium-144	1.43E-03	8.21E-04	2.98E-03	pCi/m3	U
3298	600041010	10/3/2022	Cerium-144	1.66E-04	1.09E-03	3.56E-03	pCi/m3	U
3298	606087007	10/31/2022	Cerium-144	-4.75E-04	1.06E-03	3.31E-03	pCi/m3	U
3298	606380010	11/28/2022	Cerium-144	-1.19E-03	6.96E-04	2.03E-03	pCi/m3	U
3298	609494010	12/27/2022	Cerium-144	-6.48E-04	7.27E-04	2.29E-03	pCi/m3	U
3298	572333004	1/24/2022	Cesium-134	-6.71E-05	3.06E-04	9.81E-04	pCi/m3	U
3298	575117002	2/22/2022	Cesium-134	-1.41E-04	2.52E-04	7.99E-04	pCi/m3	U
3298	580221001	3/21/2022	Cesium-134	-3.36E-04	2.10E-04	5.57E-04	pCi/m3	U
3298	582166010	4/18/2022	Cesium-134	-4.38E-05	3.40E-04	9.48E-04	pCi/m3	U
3298	585170010	5/16/2022	Cesium-134	8.13E-04	2.12E-04	9.89E-04	pCi/m3	U
3298	587307009	6/13/2022	Cesium-134	2.99E-04	1.98E-04	7.24E-04	pCi/m3	U
3298	592753010	7/10/2022	Cesium-134	5.02E-04	2.57E-04	1.00E-03	pCi/m3	U
3298	592754010	8/8/2022	Cesium-134	9.47E-05	2.23E-04	7.83E-04	pCi/m3	U
3298	600039010	9/5/2022	Cesium-134	7.56E-05	3.64E-04	1.12E-03	pCi/m3	U
3298	600041010	10/3/2022	Cesium-134	1.38E-04	2.70E-04	9.15E-04	pCi/m3	U
3298	606087007	10/31/2022	Cesium-134	1.97E-04	2.53E-04	8.80E-04	pCi/m3	U
3298	606380010	11/28/2022	Cesium-134	-9.96E-05	1.96E-04	6.01E-04	pCi/m3	U
3298	609494010	12/27/2022	Cesium-134	8.04E-04	4.99E-04	1.07E-03	pCi/m3	U
3298	572333004	1/24/2022	Cesium-137	5.89E-05	2.28E-04	7.81E-04	pCi/m3	U
3298	575117002	2/22/2022	Cesium-137	5.03E-04	2.11E-04	8.53E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	580221001	3/21/2022	Cesium-137	-7.76E-05	2.43E-04	7.51E-04	pCi/m3	U
3298	582166010	4/18/2022	Cesium-137	2.11E-05	2.26E-04	6.64E-04	pCi/m3	U
3298	585170010	5/16/2022	Cesium-137	9.18E-06	2.72E-04	8.73E-04	pCi/m3	U
3298	587307009	6/13/2022	Cesium-137	3.43E-05	1.89E-04	6.26E-04	pCi/m3	U
3298	592753010	7/10/2022	Cesium-137	-3.11E-05	2.40E-04	7.33E-04	pCi/m3	U
3298	592754010	8/8/2022	Cesium-137	1.39E-04	1.89E-04	6.47E-04	pCi/m3	U
3298	600039010	9/5/2022	Cesium-137	4.12E-04	3.47E-04	1.19E-03	pCi/m3	U
3298	600041010	10/3/2022	Cesium-137	3.01E-04	2.35E-04	8.50E-04	pCi/m3	U
3298	606087007	10/31/2022	Cesium-137	7.20E-04	2.90E-04	6.34E-04	pCi/m3	UI
3298	606380010	11/28/2022	Cesium-137	1.11E-05	2.01E-04	6.17E-04	pCi/m3	U
3298	609494010	12/27/2022	Cesium-137	-6.13E-05	3.34E-04	9.57E-04	pCi/m3	U
3298	572333004	1/24/2022	Chromium-51	-4.85E-03	5.13E-03	1.48E-02	pCi/m3	U
3298	575117002	2/22/2022	Chromium-51	7.72E-03	6.48E-03	1.56E-02	pCi/m3	U
3298	580221001	3/21/2022	Chromium-51	-8.63E-03	6.05E-03	1.55E-02	pCi/m3	U
3298	582166010	4/18/2022	Chromium-51	-1.20E-02	6.52E-03	1.98E-02	pCi/m3	U
3298	585170010	5/16/2022	Chromium-51	1.49E-02	1.46E-02	1.67E-02	pCi/m3	U
3298	587307009	6/13/2022	Chromium-51	7.44E-04	3.58E-03	1.23E-02	pCi/m3	U
3298	592753010	7/10/2022	Chromium-51	4.73E-05	8.44E-03	2.79E-02	pCi/m3	U
3298	592754010	8/8/2022	Chromium-51	-5.09E-03	3.93E-03	1.22E-02	pCi/m3	U
3298	600039010	9/5/2022	Chromium-51	-1.12E-02	8.30E-03	2.60E-02	pCi/m3	U
3298	600041010	10/3/2022	Chromium-51	1.46E-03	4.27E-03	1.48E-02	pCi/m3	U
3298	606087007	10/31/2022	Chromium-51	-2.95E-03	7.54E-03	2.49E-02	pCi/m3	U
3298	606380010	11/28/2022	Chromium-51	1.55E-03	3.46E-03	1.19E-02	pCi/m3	U
3298	609494010	12/27/2022	Chromium-51	-1.55E-03	4.77E-03	1.44E-02	pCi/m3	U
3298	572333004	1/24/2022	Cobalt-57	2.94E-04	1.38E-04	5.03E-04	pCi/m3	U
3298	575117002	2/22/2022	Cobalt-57	8.58E-05	1.20E-04	4.19E-04	pCi/m3	U
3298	580221001	3/21/2022	Cobalt-57	1.10E-04	1.01E-04	3.53E-04	pCi/m3	U
3298	582166010	4/18/2022	Cobalt-57	1.11E-06	1.38E-04	4.51E-04	pCi/m3	U
3298	585170010	5/16/2022	Cobalt-57	-1.85E-04	1.45E-04	4.39E-04	pCi/m3	U
3298	587307009	6/13/2022	Cobalt-57	1.55E-04	1.12E-04	3.84E-04	pCi/m3	U
3298	592753010	7/10/2022	Cobalt-57	-3.40E-05	1.24E-04	4.21E-04	pCi/m3	U
3298	592754010	8/8/2022	Cobalt-57	-4.16E-05	1.18E-04	3.36E-04	pCi/m3	U
3298	600039010	9/5/2022	Cobalt-57	-1.20E-04	1.04E-04	3.17E-04	pCi/m3	U
3298	600041010	10/3/2022	Cobalt-57	-1.38E-04	1.46E-04	4.55E-04	pCi/m3	U
3298	606087007	10/31/2022	Cobalt-57	4.19E-05	1.29E-04	4.25E-04	pCi/m3	U
3298	606380010	11/28/2022	Cobalt-57	1.76E-05	1.02E-04	3.03E-04	pCi/m3	U
3298	609494010	12/27/2022	Cobalt-57	2.24E-04	1.76E-04	2.99E-04	pCi/m3	U
3298	572333004	1/24/2022	Cobalt-58	8.71E-05	3.80E-04	1.28E-03	pCi/m3	U
3298	575117002	2/22/2022	Cobalt-58	-4.00E-04	3.60E-04	1.08E-03	pCi/m3	U
3298	580221001	3/21/2022	Cobalt-58	-4.35E-04	3.30E-04	9.22E-04	pCi/m3	U
3298	582166010	4/18/2022	Cobalt-58	2.80E-04	4.02E-04	1.39E-03	pCi/m3	U
3298	585170010	5/16/2022	Cobalt-58	-4.83E-06	3.34E-04	1.13E-03	pCi/m3	U
3298	587307009	6/13/2022	Cobalt-58	-5.83E-04	2.97E-04	7.86E-04	pCi/m3	U
3298	592753010	7/10/2022	Cobalt-58	-1.68E-04	3.61E-04	1.05E-03	pCi/m3	U
3298	592754010	8/8/2022	Cobalt-58	4.60E-05	2.63E-04	9.06E-04	pCi/m3	U
3298	600039010	9/5/2022	Cobalt-58	2.47E-04	4.71E-04	1.68E-03	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	600041010	10/3/2022	Cobalt-58	-1.20E-04	3.79E-04	1.19E-03	pCi/m3	U
3298	606087007	10/31/2022	Cobalt-58	-9.45E-05	4.88E-04	1.50E-03	pCi/m3	U
3298	606380010	11/28/2022	Cobalt-58	-3.04E-04	2.39E-04	6.71E-04	pCi/m3	U
3298	609494010	12/27/2022	Cobalt-58	-4.67E-04	3.73E-04	1.09E-03	pCi/m3	U
3298	572333004	1/24/2022	Cobalt-60	4.75E-04	3.24E-04	1.28E-03	pCi/m3	U
3298	575117002	2/22/2022	Cobalt-60	4.77E-04	3.04E-04	1.19E-03	pCi/m3	U
3298	580221001	3/21/2022	Cobalt-60	4.47E-04	2.18E-04	9.08E-04	pCi/m3	U
3298	582166010	4/18/2022	Cobalt-60	2.43E-04	2.92E-04	1.07E-03	pCi/m3	U
3298	585170010	5/16/2022	Cobalt-60	4.44E-05	2.42E-04	8.08E-04	pCi/m3	U
3298	587307009	6/13/2022	Cobalt-60	3.70E-04	2.31E-04	8.32E-04	pCi/m3	U
3298	592753010	7/10/2022	Cobalt-60	1.91E-04	2.49E-04	8.96E-04	pCi/m3	U
3298	592754010	8/8/2022	Cobalt-60	-2.16E-05	2.85E-04	9.23E-04	pCi/m3	U
3298	600039010	9/5/2022	Cobalt-60	-1.38E-04	3.17E-04	9.45E-04	pCi/m3	U
3298	600041010	10/3/2022	Cobalt-60	-2.53E-04	2.35E-04	6.55E-04	pCi/m3	U
3298	606087007	10/31/2022	Cobalt-60	-1.84E-04	2.44E-04	6.98E-04	pCi/m3	U
3298	606380010	11/28/2022	Cobalt-60	4.52E-04	2.58E-04	8.11E-04	pCi/m3	U
3298	609494010	12/27/2022	Cobalt-60	2.31E-04	2.95E-04	1.08E-03	pCi/m3	U
3298	572333004	1/24/2022	Iron-59	1.50E-03	1.06E-03	3.97E-03	pCi/m3	U
3298	575117002	2/22/2022	Iron-59	5.97E-04	1.11E-03	3.83E-03	pCi/m3	U
3298	580221001	3/21/2022	Iron-59	3.10E-04	7.28E-04	2.48E-03	pCi/m3	U
3298	582166010	4/18/2022	Iron-59	-1.67E-04	1.01E-03	3.32E-03	pCi/m3	U
3298	585170010	5/16/2022	Iron-59	7.65E-04	9.20E-04	3.36E-03	pCi/m3	U
3298	587307009	6/13/2022	Iron-59	-1.33E-04	5.61E-04	1.85E-03	pCi/m3	U
3298	592753010	7/10/2022	Iron-59	3.12E-04	1.10E-03	3.37E-03	pCi/m3	U
3298	592754010	8/8/2022	Iron-59	-6.88E-04	8.53E-04	2.60E-03	pCi/m3	U
3298	600039010	9/5/2022	Iron-59	-4.16E-04	1.45E-03	4.58E-03	pCi/m3	U
3298	600041010	10/3/2022	Iron-59	4.00E-04	6.88E-04	2.49E-03	pCi/m3	U
3298	606087007	10/31/2022	Iron-59	-3.76E-04	9.88E-04	3.11E-03	pCi/m3	U
3298	606380010	11/28/2022	Iron-59	1.14E-03	6.83E-04	2.60E-03	pCi/m3	U
3298	609494010	12/27/2022	Iron-59	2.15E-05	1.03E-03	3.41E-03	pCi/m3	U
3298	572333004	1/24/2022	Lanthanum-140	4.01E-03	3.48E-03	1.36E-02	pCi/m3	U
3298	575117002	2/22/2022	Lanthanum-140	-5.06E-04	3.55E-03	1.16E-02	pCi/m3	U
3298	580221001	3/21/2022	Lanthanum-140	-3.51E-03	6.89E-03	2.14E-02	pCi/m3	U
3298	582166010	4/18/2022	Lanthanum-140	2.18E-03	8.37E-03	2.82E-02	pCi/m3	U
3298	585170010	5/16/2022	Lanthanum-140	-2.50E-03	6.20E-03	1.98E-02	pCi/m3	U
3298	587307009	6/13/2022	Lanthanum-140	-2.41E-03	2.38E-03	6.61E-03	pCi/m3	U
3298	592753010	7/10/2022	Lanthanum-140	-1.46E-02	1.18E-02	2.76E-02	pCi/m3	U
3298	592754010	8/8/2022	Lanthanum-140	1.76E-03	1.66E-03	6.64E-03	pCi/m3	U
3298	600039010	9/5/2022	Lanthanum-140	2.30E-02	1.45E-02	5.86E-02	pCi/m3	U
3298	600041010	10/3/2022	Lanthanum-140	-1.78E-03	2.49E-03	7.37E-03	pCi/m3	U
3298	606087007	10/31/2022	Lanthanum-140	-2.13E-02	1.31E-02	3.09E-02	pCi/m3	U
3298	606380010	11/28/2022	Lanthanum-140	-1.19E-03	2.45E-03	7.60E-03	pCi/m3	U
3298	609494010	12/27/2022	Lanthanum-140	-5.54E-03	3.16E-03	6.32E-03	pCi/m3	U
3298	572333004	1/24/2022	Lead-210	1.54E-02	4.48E-03	7.07E-03	pCi/m3	U
3298	575117002	2/22/2022	Lead-210	8.54E-03	4.08E-02	1.15E-01	pCi/m3	U
3298	580221001	3/21/2022	Lead-210	1.28E-01	6.45E-02	6.89E-02	pCi/m3	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	582166010	4/18/2022	Lead-210	2.04E-02	4.84E-02	1.69E-01	pCi/m3	U
3298	585170010	5/16/2022	Lead-210	2.96E-02	5.30E-02	1.70E-01	pCi/m3	U
3298	587307009	6/13/2022	Lead-210	-2.09E-02	2.06E-02	6.08E-02	pCi/m3	U
3298	592753010	7/10/2022	Lead-210	2.56E-02	1.94E-02	3.03E-02	pCi/m3	U
3298	592754010	8/8/2022	Lead-210	9.16E-03	1.09E-02	2.40E-02	pCi/m3	U
3298	600039010	9/5/2022	Lead-210	2.04E-02	3.79E-03	4.33E-03	pCi/m3	
3298	600041010	10/3/2022	Lead-210	-2.92E-02	2.53E-02	7.12E-02	pCi/m3	U
3298	606087007	10/31/2022	Lead-210	6.25E-02	3.16E-02	6.21E-02	pCi/m3	UI
3298	606380010	11/28/2022	Lead-210	3.35E-02	3.73E-03	4.56E-03	pCi/m3	
3298	609494010	12/27/2022	Lead-210	2.69E-02	3.95E-03	4.14E-03	pCi/m3	
3298	572333004	1/24/2022	Lead-212	1.48E-03	6.73E-04	1.14E-03	pCi/m3	UI
3298	575117002	2/22/2022	Lead-212	1.44E-03	6.85E-04	1.42E-03	pCi/m3	UI
3298	580221001	3/21/2022	Lead-212	1.95E-03	5.17E-04	1.32E-03	pCi/m3	UI
3298	582166010	4/18/2022	Lead-212	1.13E-03	5.04E-04	1.51E-03	pCi/m3	U
3298	585170010	5/16/2022	Lead-212	1.92E-03	5.48E-04	1.57E-03	pCi/m3	UI
3298	587307009	6/13/2022	Lead-212	3.38E-04	4.28E-04	1.12E-03	pCi/m3	U
3298	592753010	7/10/2022	Lead-212	-4.43E-04	3.68E-04	1.12E-03	pCi/m3	U
3298	592754010	8/8/2022	Lead-212	1.72E-04	5.99E-04	1.11E-03	pCi/m3	U
3298	600039010	9/5/2022	Lead-212	2.25E-04	4.28E-04	9.77E-04	pCi/m3	U
3298	600041010	10/3/2022	Lead-212	1.03E-03	6.89E-04	1.39E-03	pCi/m3	U
3298	606087007	10/31/2022	Lead-212	1.69E-03	5.44E-04	1.82E-03	pCi/m3	U
3298	606380010	11/28/2022	Lead-212	2.65E-04	4.64E-04	9.24E-04	pCi/m3	U
3298	609494010	12/27/2022	Lead-212	1.34E-04	5.30E-04	1.18E-03	pCi/m3	U
3298	572333004	1/24/2022	Lead-214	4.46E-04	6.57E-04	2.16E-03	pCi/m3	U
3298	575117002	2/22/2022	Lead-214	8.53E-04	8.38E-04	1.91E-03	pCi/m3	U
3298	580221001	3/21/2022	Lead-214	1.37E-03	6.33E-04	1.39E-03	pCi/m3	U
3298	582166010	4/18/2022	Lead-214	1.07E-04	5.82E-04	1.89E-03	pCi/m3	U
3298	585170010	5/16/2022	Lead-214	-3.32E-05	5.04E-04	1.71E-03	pCi/m3	U
3298	587307009	6/13/2022	Lead-214	-2.66E-04	4.19E-04	1.33E-03	pCi/m3	U
3298	592753010	7/10/2022	Lead-214	2.38E-03	6.73E-04	1.84E-03	pCi/m3	UI
3298	592754010	8/8/2022	Lead-214	4.93E-04	4.35E-04	1.44E-03	pCi/m3	U
3298	600039010	9/5/2022	Lead-214	-1.57E-04	5.11E-04	1.59E-03	pCi/m3	U
3298	600041010	10/3/2022	Lead-214	2.42E-04	5.05E-04	1.76E-03	pCi/m3	U
3298	606087007	10/31/2022	Lead-214	1.32E-04	5.51E-04	1.84E-03	pCi/m3	U
3298	606380010	11/28/2022	Lead-214	3.93E-04	7.87E-04	1.11E-03	pCi/m3	U
3298	609494010	12/27/2022	Lead-214	-4.62E-04	5.76E-04	1.88E-03	pCi/m3	U
3298	572333004	1/24/2022	Manganese-54	-2.23E-04	2.76E-04	8.19E-04	pCi/m3	U
3298	575117002	2/22/2022	Manganese-54	-5.42E-04	2.54E-04	6.42E-04	pCi/m3	U
3298	580221001	3/21/2022	Manganese-54	3.61E-05	1.67E-04	5.58E-04	pCi/m3	U
3298	582166010	4/18/2022	Manganese-54	-7.73E-06	3.15E-04	8.89E-04	pCi/m3	U
3298	585170010	5/16/2022	Manganese-54	3.28E-04	3.47E-04	9.92E-04	pCi/m3	U
3298	587307009	6/13/2022	Manganese-54	-2.98E-05	2.14E-04	6.78E-04	pCi/m3	U
3298	592753010	7/10/2022	Manganese-54	2.21E-04	2.69E-04	9.65E-04	pCi/m3	U
3298	592754010	8/8/2022	Manganese-54	-3.17E-05	2.09E-04	6.97E-04	pCi/m3	U
3298	600039010	9/5/2022	Manganese-54	-3.13E-04	2.67E-04	7.67E-04	pCi/m3	U
3298	600041010	10/3/2022	Manganese-54	1.33E-04	2.57E-04	8.71E-04	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	606087007	10/31/2022	Manganese-54	-2.70E-04	2.99E-04	8.52E-04	pCi/m3	U
3298	606380010	11/28/2022	Manganese-54	1.26E-04	1.89E-04	6.39E-04	pCi/m3	U
3298	609494010	12/27/2022	Manganese-54	4.76E-04	4.86E-04	1.03E-03	pCi/m3	U
3298	572333004	1/24/2022	Molybdenum-99	1.03E+02	1.31E+02	0.00E+00	pCi/m3	UI
3298	575117002	2/22/2022	Molybdenum-99	-8.17E+01	1.08E+02	0.00E+00	pCi/m3	U
3298	580221001	3/21/2022	Molybdenum-99	9.58E+02	3.37E+03	0.00E+00	pCi/m3	UI
3298	582166010	4/18/2022	Molybdenum-99	-2.42E+03	5.36E+03	0.00E+00	pCi/m3	U
3298	585170010	5/16/2022	Molybdenum-99	1.68E+02	1.15E+03	0.00E+00	pCi/m3	UI
3298	587307009	6/13/2022	Molybdenum-99	-1.66E+02	1.16E+02	0.00E+00	pCi/m3	U
3298	592753010	7/10/2022	Molybdenum-99	1.91E+05	1.26E+05	0.00E+00	pCi/m3	UI
3298	592754010	8/8/2022	Molybdenum-99	1.75E+02	9.38E+01	0.00E+00	pCi/m3	UI
3298	600039010	9/5/2022	Molybdenum-99	-6.79E+04	3.61E+04	0.00E+00	pCi/m3	U
3298	600041010	10/3/2022	Molybdenum-99	-3.65E+01	2.81E+01	0.00E+00	pCi/m3	U
3298	606087007	10/31/2022	Molybdenum-99	-1.04E+04	3.36E+04	0.00E+00	pCi/m3	U
3298	606380010	11/28/2022	Molybdenum-99	3.19E+01	7.95E+01	0.00E+00	pCi/m3	UI
3298	609494010	12/27/2022	Molybdenum-99	4.89E+01	1.07E+02	0.00E+00	pCi/m3	UI
3298	572333004	1/24/2022	Niobium-95	-9.75E-05	4.04E-04	1.15E-03	pCi/m3	U
3298	575117002	2/22/2022	Niobium-95	-2.38E-05	3.31E-04	1.12E-03	pCi/m3	U
3298	580221001	3/21/2022	Niobium-95	-2.19E-04	3.44E-04	1.06E-03	pCi/m3	U
3298	582166010	4/18/2022	Niobium-95	1.44E-04	4.79E-04	1.58E-03	pCi/m3	U
3298	585170010	5/16/2022	Niobium-95	-1.88E-04	4.29E-04	1.34E-03	pCi/m3	U
3298	587307009	6/13/2022	Niobium-95	5.06E-04	3.09E-04	1.12E-03	pCi/m3	U
3298	592753010	7/10/2022	Niobium-95	5.40E-04	3.56E-04	1.38E-03	pCi/m3	U
3298	592754010	8/8/2022	Niobium-95	3.44E-04	3.18E-04	1.11E-03	pCi/m3	U
3298	600039010	9/5/2022	Niobium-95	-1.17E-03	5.53E-04	1.30E-03	pCi/m3	U
3298	600041010	10/3/2022	Niobium-95	2.78E-04	3.20E-04	1.12E-03	pCi/m3	U
3298	606087007	10/31/2022	Niobium-95	-5.35E-04	4.45E-04	1.21E-03	pCi/m3	U
3298	606380010	11/28/2022	Niobium-95	2.58E-04	2.41E-04	8.46E-04	pCi/m3	U
3298	609494010	12/27/2022	Niobium-95	8.61E-05	4.16E-04	1.36E-03	pCi/m3	U
3298	572333004	1/24/2022	Potassium-40	1.72E-02	5.77E-03	8.54E-03	pCi/m3	U
3298	575117002	2/22/2022	Potassium-40	1.46E-02	3.54E-03	8.62E-03	pCi/m3	UI
3298	580221001	3/21/2022	Potassium-40	1.03E-02	4.83E-03	6.82E-03	pCi/m3	UI
3298	582166010	4/18/2022	Potassium-40	9.12E-03	5.40E-03	9.65E-03	pCi/m3	U
3298	585170010	5/16/2022	Potassium-40	9.83E-03	5.82E-03	6.91E-03	pCi/m3	UI
3298	587307009	6/13/2022	Potassium-40	7.28E-03	4.32E-03	6.66E-03	pCi/m3	UI
3298	592753010	7/10/2022	Potassium-40	1.15E-02	5.45E-03	4.58E-03	pCi/m3	UI
3298	592754010	8/8/2022	Potassium-40	7.43E-03	5.16E-03	4.06E-03	pCi/m3	UI
3298	600039010	9/5/2022	Potassium-40	7.11E-03	5.71E-03	8.93E-03	pCi/m3	U
3298	600041010	10/3/2022	Potassium-40	2.09E-02	5.71E-03	5.65E-03	pCi/m3	U
3298	606087007	10/31/2022	Potassium-40	1.12E-02	6.60E-03	1.04E-02	pCi/m3	UI
3298	606380010	11/28/2022	Potassium-40	5.02E-03	4.51E-03	5.60E-03	pCi/m3	U
3298	609494010	12/27/2022	Potassium-40	1.54E-02	5.69E-03	6.18E-03	pCi/m3	UI
3298	572333004	1/24/2022	Radium-226	1.83E-03	1.15E-03	2.70E-03	pCi/m3	U
3298	575117002	2/22/2022	Radium-226	3.70E-03	1.14E-03	2.23E-03	pCi/m3	UI
3298	580221001	3/21/2022	Radium-226	4.14E-04	4.76E-04	1.51E-03	pCi/m3	U
3298	582166010	4/18/2022	Radium-226	4.31E-03	9.44E-04	1.37E-03	pCi/m3	UI

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	585170010	5/16/2022	Radium-226	2.67E-04	6.45E-04	2.01E-03	pCi/m3	U
3298	587307009	6/13/2022	Radium-226	-2.11E-04	5.63E-04	1.61E-03	pCi/m3	U
3298	592753010	7/10/2022	Radium-226	1.61E-03	8.45E-04	2.17E-03	pCi/m3	U
3298	592754010	8/8/2022	Radium-226	1.70E-03	9.57E-04	2.01E-03	pCi/m3	U
3298	600039010	9/5/2022	Radium-226	-1.57E-04	5.11E-04	1.59E-03	pCi/m3	U
3298	600041010	10/3/2022	Radium-226	2.42E-04	5.05E-04	1.76E-03	pCi/m3	U
3298	606087007	10/31/2022	Radium-226	1.32E-04	5.51E-04	1.84E-03	pCi/m3	U
3298	606380010	11/28/2022	Radium-226	3.93E-04	7.87E-04	1.11E-03	pCi/m3	U
3298	609494010	12/27/2022	Radium-226	-4.62E-04	5.76E-04	1.88E-03	pCi/m3	U
3298	572333004	1/24/2022	Radium-228	1.53E-03	1.31E-03	4.71E-03	pCi/m3	U
3298	575117002	2/22/2022	Radium-228	-2.01E-03	1.28E-03	3.59E-03	pCi/m3	U
3298	580221001	3/21/2022	Radium-228	1.85E-03	1.46E-03	3.80E-03	pCi/m3	U
3298	582166010	4/18/2022	Radium-228	9.10E-04	1.59E-03	4.36E-03	pCi/m3	U
3298	585170010	5/16/2022	Radium-228	1.16E-03	1.73E-03	4.32E-03	pCi/m3	U
3298	587307009	6/13/2022	Radium-228	6.71E-05	1.00E-03	3.50E-03	pCi/m3	U
3298	592753010	7/10/2022	Radium-228	-1.30E-03	1.17E-03	3.45E-03	pCi/m3	U
3298	592754010	8/8/2022	Radium-228	3.80E-04	1.69E-03	3.87E-03	pCi/m3	U
3298	600039010	9/5/2022	Radium-228	-3.12E-03	1.35E-03	3.51E-03	pCi/m3	U
3298	600041010	10/3/2022	Radium-228	4.75E-03	1.80E-03	4.03E-03	pCi/m3	UI
3298	606087007	10/31/2022	Radium-228	2.66E-04	1.41E-03	4.04E-03	pCi/m3	U
3298	606380010	11/28/2022	Radium-228	-3.61E-04	1.11E-03	2.70E-03	pCi/m3	U
3298	609494010	12/27/2022	Radium-228	1.24E-03	1.31E-03	4.67E-03	pCi/m3	U
3298	572333004	1/24/2022	Ruthenium-103	4.12E-06	4.11E-04	1.39E-03	pCi/m3	U
3298	575117002	2/22/2022	Ruthenium-103	3.61E-04	4.09E-04	1.45E-03	pCi/m3	U
3298	580221001	3/21/2022	Ruthenium-103	2.16E-04	3.74E-04	1.32E-03	pCi/m3	U
3298	582166010	4/18/2022	Ruthenium-103	2.99E-04	6.13E-04	2.10E-03	pCi/m3	U
3298	585170010	5/16/2022	Ruthenium-103	3.99E-04	4.33E-04	1.54E-03	pCi/m3	U
3298	587307009	6/13/2022	Ruthenium-103	8.28E-05	3.64E-04	1.06E-03	pCi/m3	U
3298	592753010	7/10/2022	Ruthenium-103	-4.29E-04	6.28E-04	1.90E-03	pCi/m3	U
3298	592754010	8/8/2022	Ruthenium-103	2.64E-04	3.64E-04	1.25E-03	pCi/m3	U
3298	600039010	9/5/2022	Ruthenium-103	2.38E-04	7.06E-04	2.39E-03	pCi/m3	U
3298	600041010	10/3/2022	Ruthenium-103	3.43E-04	3.97E-04	1.40E-03	pCi/m3	U
3298	606087007	10/31/2022	Ruthenium-103	8.22E-05	6.24E-04	2.08E-03	pCi/m3	U
3298	606380010	11/28/2022	Ruthenium-103	2.60E-04	2.93E-04	1.02E-03	pCi/m3	U
3298	609494010	12/27/2022	Ruthenium-103	2.56E-04	4.34E-04	1.51E-03	pCi/m3	U
3298	572333004	1/24/2022	Ruthenium-106	-2.01E-04	2.16E-03	7.16E-03	pCi/m3	U
3298	575117002	2/22/2022	Ruthenium-106	-2.34E-03	2.27E-03	6.53E-03	pCi/m3	U
3298	580221001	3/21/2022	Ruthenium-106	-1.62E-03	2.02E-03	5.47E-03	pCi/m3	U
3298	582166010	4/18/2022	Ruthenium-106	-4.80E-04	2.38E-03	6.75E-03	pCi/m3	U
3298	585170010	5/16/2022	Ruthenium-106	1.06E-03	1.98E-03	6.74E-03	pCi/m3	U
3298	587307009	6/13/2022	Ruthenium-106	-6.27E-04	1.60E-03	5.10E-03	pCi/m3	U
3298	592753010	7/10/2022	Ruthenium-106	3.26E-03	1.97E-03	7.25E-03	pCi/m3	U
3298	592754010	8/8/2022	Ruthenium-106	-2.71E-04	2.07E-03	6.58E-03	pCi/m3	U
3298	600039010	9/5/2022	Ruthenium-106	6.28E-03	2.79E-03	6.65E-03	pCi/m3	U
3298	600041010	10/3/2022	Ruthenium-106	2.77E-03	2.14E-03	7.74E-03	pCi/m3	U
3298	606087007	10/31/2022	Ruthenium-106	-1.53E-03	2.14E-03	6.42E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	606380010	11/28/2022	Ruthenium-106	-2.06E-04	1.67E-03	5.39E-03	pCi/m3	U
3298	609494010	12/27/2022	Ruthenium-106	1.99E-03	2.19E-03	7.81E-03	pCi/m3	U
3298	572333004	1/24/2022	Selenium-75	-2.66E-04	3.72E-04	1.12E-03	pCi/m3	U
3298	575117002	2/22/2022	Selenium-75	-5.04E-04	3.34E-04	9.38E-04	pCi/m3	U
3298	580221001	3/21/2022	Selenium-75	-4.38E-04	2.66E-04	7.42E-04	pCi/m3	U
3298	582166010	4/18/2022	Selenium-75	4.39E-04	3.53E-04	1.20E-03	pCi/m3	U
3298	585170010	5/16/2022	Selenium-75	1.95E-04	3.80E-04	1.01E-03	pCi/m3	U
3298	587307009	6/13/2022	Selenium-75	-5.99E-05	2.38E-04	8.11E-04	pCi/m3	U
3298	592753010	7/10/2022	Selenium-75	-1.41E-05	3.46E-04	1.08E-03	pCi/m3	U
3298	592754010	8/8/2022	Selenium-75	1.61E-04	2.63E-04	9.18E-04	pCi/m3	U
3298	600039010	9/5/2022	Selenium-75	3.48E-04	3.45E-04	1.16E-03	pCi/m3	U
3298	600041010	10/3/2022	Selenium-75	2.38E-04	3.40E-04	1.11E-03	pCi/m3	U
3298	606087007	10/31/2022	Selenium-75	-3.66E-04	3.11E-04	9.95E-04	pCi/m3	U
3298	606380010	11/28/2022	Selenium-75	-4.02E-04	2.56E-04	7.26E-04	pCi/m3	U
3298	609494010	12/27/2022	Selenium-75	-5.03E-04	3.08E-04	8.53E-04	pCi/m3	U
3298	572333004	1/24/2022	Silver-108m	5.76E-05	2.05E-04	7.12E-04	pCi/m3	U
3298	575117002	2/22/2022	Silver-108m	-1.81E-04	2.48E-04	6.19E-04	pCi/m3	U
3298	580221001	3/21/2022	Silver-108m	1.47E-04	1.35E-04	4.91E-04	pCi/m3	U
3298	582166010	4/18/2022	Silver-108m	-9.48E-05	1.71E-04	5.48E-04	pCi/m3	U
3298	585170010	5/16/2022	Silver-108m	-3.17E-05	1.48E-04	4.82E-04	pCi/m3	U
3298	587307009	6/13/2022	Silver-108m	-1.03E-04	1.36E-04	4.35E-04	pCi/m3	U
3298	592753010	7/10/2022	Silver-108m	-2.34E-04	1.80E-04	5.30E-04	pCi/m3	U
3298	592754010	8/8/2022	Silver-108m	-4.37E-05	1.47E-04	4.75E-04	pCi/m3	U
3298	600039010	9/5/2022	Silver-108m	1.19E-04	1.73E-04	6.11E-04	pCi/m3	U
3298	600041010	10/3/2022	Silver-108m	7.42E-04	3.67E-04	7.25E-04	pCi/m3	UI
3298	606087007	10/31/2022	Silver-108m	4.28E-04	2.93E-04	6.69E-04	pCi/m3	U
3298	606380010	11/28/2022	Silver-108m	-1.62E-04	1.49E-04	4.08E-04	pCi/m3	U
3298	609494010	12/27/2022	Silver-108m	7.24E-06	1.82E-04	6.12E-04	pCi/m3	U
3298	572333004	1/24/2022	Silver-110m	-1.27E-04	3.99E-04	1.25E-03	pCi/m3	U
3298	575117002	2/22/2022	Silver-110m	-5.16E-04	3.72E-04	1.05E-03	pCi/m3	U
3298	580221001	3/21/2022	Silver-110m	3.22E-05	2.85E-04	9.36E-04	pCi/m3	U
3298	582166010	4/18/2022	Silver-110m	-2.78E-04	4.73E-04	1.41E-03	pCi/m3	U
3298	585170010	5/16/2022	Silver-110m	4.42E-04	3.60E-04	1.26E-03	pCi/m3	U
3298	587307009	6/13/2022	Silver-110m	-1.21E-05	3.09E-04	9.84E-04	pCi/m3	U
3298	592753010	7/10/2022	Silver-110m	-1.83E-04	3.21E-04	1.01E-03	pCi/m3	U
3298	592754010	8/8/2022	Silver-110m	6.60E-05	3.37E-04	1.15E-03	pCi/m3	U
3298	600039010	9/5/2022	Silver-110m	-7.89E-04	4.45E-04	1.17E-03	pCi/m3	U
3298	600041010	10/3/2022	Silver-110m	6.10E-05	3.91E-04	1.27E-03	pCi/m3	U
3298	606087007	10/31/2022	Silver-110m	2.47E-04	3.66E-04	1.33E-03	pCi/m3	U
3298	606380010	11/28/2022	Silver-110m	1.24E-04	2.81E-04	9.29E-04	pCi/m3	U
3298	609494010	12/27/2022	Silver-110m	-4.93E-04	3.90E-04	1.11E-03	pCi/m3	U
3298	572333004	1/24/2022	Tellurium-132	2.23E-01	2.28E+00	0.00E+00	pCi/m3	UI
3298	575117002	2/22/2022	Tellurium-132	-5.29E-02	1.83E+00	0.00E+00	pCi/m3	U
3298	580221001	3/21/2022	Tellurium-132	-3.57E+01	3.64E+01	0.00E+00	pCi/m3	U
3298	582166010	4/18/2022	Tellurium-132	-6.86E+01	6.25E+01	0.00E+00	pCi/m3	U
3298	585170010	5/16/2022	Tellurium-132	-4.83E+01	1.51E+01	0.00E+00	pCi/m3	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	587307009	6/13/2022	Tellurium-132	9.78E-01	2.43E+00	0.00E+00	pCi/m3	UI
3298	592753010	7/10/2022	Tellurium-132	-4.41E+02	9.65E+02	0.00E+00	pCi/m3	U
3298	592754010	8/8/2022	Tellurium-132	1.59E+00	1.75E+00	0.00E+00	pCi/m3	UI
3298	600039010	9/5/2022	Tellurium-132	1.59E+02	2.29E+02	0.00E+00	pCi/m3	UI
3298	600041010	10/3/2022	Tellurium-132	-1.40E-01	5.76E-01	0.00E+00	pCi/m3	U
3298	606087007	10/31/2022	Tellurium-132	-3.32E+02	2.93E+02	0.00E+00	pCi/m3	U
3298	606380010	11/28/2022	Tellurium-132	5.38E-02	1.41E+00	0.00E+00	pCi/m3	UI
3298	609494010	12/27/2022	Tellurium-132	-1.16E+00	1.39E+00	0.00E+00	pCi/m3	U
3298	572333004	1/24/2022	Thallium-208	-3.88E-04	3.69E-04	1.26E-03	pCi/m3	U
3298	575117002	2/22/2022	Thallium-208	5.94E-04	3.22E-04	1.12E-03	pCi/m3	U
3298	580221001	3/21/2022	Thallium-208	1.79E-03	8.02E-04	5.75E-04	pCi/m3	UI
3298	582166010	4/18/2022	Thallium-208	1.28E-03	2.87E-04	4.94E-04	pCi/m3	U
3298	585170010	5/16/2022	Thallium-208	2.28E-04	3.57E-04	8.30E-04	pCi/m3	U
3298	587307009	6/13/2022	Thallium-208	-1.05E-04	2.58E-04	7.14E-04	pCi/m3	U
3298	592753010	7/10/2022	Thallium-208	-4.47E-04	2.99E-04	7.66E-04	pCi/m3	U
3298	592754010	8/8/2022	Thallium-208	-3.23E-04	2.55E-04	7.55E-04	pCi/m3	U
3298	600039010	9/5/2022	Thallium-208	-1.56E-04	3.28E-04	9.91E-04	pCi/m3	U
3298	600041010	10/3/2022	Thallium-208	1.24E-04	2.51E-04	8.59E-04	pCi/m3	U
3298	606087007	10/31/2022	Thallium-208	-1.50E-04	3.13E-04	9.74E-04	pCi/m3	U
3298	606380010	11/28/2022	Thallium-208	1.05E-04	4.26E-04	5.01E-04	pCi/m3	U
3298	609494010	12/27/2022	Thallium-208	3.57E-04	3.28E-04	1.15E-03	pCi/m3	U
3298	572333004	1/24/2022	Thorium-228	1.48E-03	6.73E-04	1.14E-03	pCi/m3	UI
3298	575117002	2/22/2022	Thorium-228	1.44E-03	6.85E-04	1.42E-03	pCi/m3	UI
3298	580221001	3/21/2022	Thorium-228	1.95E-03	5.17E-04	1.32E-03	pCi/m3	UI
3298	582166010	4/18/2022	Thorium-228	1.13E-03	5.04E-04	1.51E-03	pCi/m3	U
3298	585170010	5/16/2022	Thorium-228	1.92E-03	5.48E-04	1.57E-03	pCi/m3	UI
3298	587307009	6/13/2022	Thorium-228	3.38E-04	4.28E-04	1.12E-03	pCi/m3	U
3298	592753010	7/10/2022	Thorium-228	-4.43E-04	3.68E-04	1.12E-03	pCi/m3	U
3298	592754010	8/8/2022	Thorium-228	1.72E-04	5.99E-04	1.11E-03	pCi/m3	U
3298	600039010	9/5/2022	Thorium-228	2.25E-04	4.28E-04	9.77E-04	pCi/m3	U
3298	600041010	10/3/2022	Thorium-228	1.03E-03	6.89E-04	1.39E-03	pCi/m3	U
3298	606087007	10/31/2022	Thorium-228	1.69E-03	5.44E-04	1.82E-03	pCi/m3	U
3298	606380010	11/28/2022	Thorium-228	2.65E-04	4.64E-04	9.24E-04	pCi/m3	U
3298	609494010	12/27/2022	Thorium-228	1.34E-04	5.30E-04	1.18E-03	pCi/m3	U
3298	572333004	1/24/2022	Thorium-230	1.83E-03	1.15E-03	2.70E-03	pCi/m3	U
3298	575117002	2/22/2022	Thorium-230	3.70E-03	1.14E-03	2.23E-03	pCi/m3	UI
3298	580221001	3/21/2022	Thorium-230	4.14E-04	4.76E-04	1.51E-03	pCi/m3	U
3298	582166010	4/18/2022	Thorium-230	4.31E-03	9.44E-04	1.37E-03	pCi/m3	UI
3298	585170010	5/16/2022	Thorium-230	2.67E-04	6.45E-04	2.01E-03	pCi/m3	U
3298	587307009	6/13/2022	Thorium-230	-2.11E-04	5.63E-04	1.61E-03	pCi/m3	U
3298	592753010	7/10/2022	Thorium-234	7.53E-04	7.79E-03	1.92E-02	pCi/m3	U
3298	592754010	8/8/2022	Thorium-234	2.32E-03	4.85E-03	9.93E-03	pCi/m3	U
3298	600039010	9/5/2022	Thorium-234	-1.74E-03	2.58E-03	9.38E-03	pCi/m3	U
3298	600041010	10/3/2022	Thorium-234	-9.90E-04	6.88E-03	2.25E-02	pCi/m3	U
3298	606087007	10/31/2022	Thorium-234	1.32E-02	7.98E-03	2.35E-02	pCi/m3	U
3298	606380010	11/28/2022	Thorium-234	-6.15E-04	2.37E-03	6.53E-03	pCi/m3	U

Table 10: Complete REMP Results – Air Particulate (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	609494010	12/27/2022	Thorium-234	6.64E-04	3.61E-03	4.75E-03	pCi/m3	U
3298	572333004	1/24/2022	Uranium-234	1.83E-03	1.15E-03	2.70E-03	pCi/m3	U
3298	575117002	2/22/2022	Uranium-234	3.70E-03	1.14E-03	2.23E-03	pCi/m3	UI
3298	580221001	3/21/2022	Uranium-234	4.14E-04	4.76E-04	1.51E-03	pCi/m3	U
3298	582166010	4/18/2022	Uranium-234	4.31E-03	9.44E-04	1.37E-03	pCi/m3	UI
3298	585170010	5/16/2022	Uranium-234	2.67E-04	6.45E-04	2.01E-03	pCi/m3	U
3298	587307009	6/13/2022	Uranium-234	-2.11E-04	5.63E-04	1.61E-03	pCi/m3	U
3298	592753010	7/10/2022	Uranium-234	1.61E-03	8.45E-04	2.17E-03	pCi/m3	U
3298	592754010	8/8/2022	Uranium-234	1.70E-03	9.57E-04	2.01E-03	pCi/m3	U
3298	600039010	9/5/2022	Uranium-234	-1.57E-04	5.11E-04	1.59E-03	pCi/m3	U
3298	600041010	10/3/2022	Uranium-234	2.42E-04	5.05E-04	1.76E-03	pCi/m3	U
3298	606087007	10/31/2022	Uranium-234	1.32E-04	5.51E-04	1.84E-03	pCi/m3	U
3298	606380010	11/28/2022	Uranium-234	3.93E-04	7.87E-04	1.11E-03	pCi/m3	U
3298	609494010	12/27/2022	Uranium-234	-4.62E-04	5.76E-04	1.88E-03	pCi/m3	U
3298	572333004	1/24/2022	Zinc-65	2.49E-04	6.88E-04	2.31E-03	pCi/m3	U
3298	575117002	2/22/2022	Zinc-65	-2.64E-04	6.90E-04	2.15E-03	pCi/m3	U
3298	580221001	3/21/2022	Zinc-65	2.70E-04	4.84E-04	1.66E-03	pCi/m3	U
3298	582166010	4/18/2022	Zinc-65	1.24E-03	8.03E-04	2.84E-03	pCi/m3	U
3298	585170010	5/16/2022	Zinc-65	8.95E-05	6.17E-04	1.83E-03	pCi/m3	U
3298	587307009	6/13/2022	Zinc-65	5.34E-04	4.13E-04	1.56E-03	pCi/m3	U
3298	592753010	7/10/2022	Zinc-65	7.04E-04	6.74E-04	2.45E-03	pCi/m3	U
3298	592754010	8/8/2022	Zinc-65	-1.14E-03	5.70E-04	1.49E-03	pCi/m3	U
3298	600039010	9/5/2022	Zinc-65	-7.49E-04	6.31E-04	1.65E-03	pCi/m3	U
3298	600041010	10/3/2022	Zinc-65	6.56E-04	4.73E-04	1.85E-03	pCi/m3	U
3298	606087007	10/31/2022	Zinc-65	1.37E-04	5.29E-04	1.83E-03	pCi/m3	U
3298	606380010	11/28/2022	Zinc-65	2.40E-04	4.13E-04	1.46E-03	pCi/m3	U
3298	609494010	12/27/2022	Zinc-65	2.58E-04	7.52E-04	2.58E-03	pCi/m3	U
3298	572333004	1/24/2022	Zirconium-95	2.93E-04	7.03E-04	2.32E-03	pCi/m3	U
3298	575117002	2/22/2022	Zirconium-95	5.88E-04	6.66E-04	2.43E-03	pCi/m3	U
3298	580221001	3/21/2022	Zirconium-95	-7.14E-04	5.44E-04	1.51E-03	pCi/m3	U
3298	582166010	4/18/2022	Zirconium-95	-4.55E-04	8.00E-04	2.41E-03	pCi/m3	U
3298	585170010	5/16/2022	Zirconium-95	8.59E-05	8.05E-04	2.58E-03	pCi/m3	U
3298	587307009	6/13/2022	Zirconium-95	-4.13E-04	5.27E-04	1.59E-03	pCi/m3	U
3298	592753010	7/10/2022	Zirconium-95	4.62E-05	7.37E-04	2.51E-03	pCi/m3	U
3298	592754010	8/8/2022	Zirconium-95	3.89E-04	4.30E-04	1.52E-03	pCi/m3	U
3298	600039010	9/5/2022	Zirconium-95	-3.67E-04	6.72E-04	1.92E-03	pCi/m3	U
3298	600041010	10/3/2022	Zirconium-95	-7.51E-05	7.22E-04	2.07E-03	pCi/m3	U
3298	606087007	10/31/2022	Zirconium-95	-1.16E-03	6.55E-04	1.50E-03	pCi/m3	U
3298	606380010	11/28/2022	Zirconium-95	-5.69E-05	4.58E-04	1.46E-03	pCi/m3	U
3298	609494010	12/27/2022	Zirconium-95	-6.01E-04	7.91E-04	2.30E-03	pCi/m3	U

Table 11: Complete REMP Results – Radioiodine (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	566166002	1/4/2022	Iodine-131	2.77E-03	1.39E-03	5.44E-03	pCi/m3	U
2102	566829006	1/10/2022	Iodine-131	-2.79E-03	2.61E-03	7.97E-03	pCi/m3	U
2102	567639002	1/18/2022	Iodine-131	2.20E-03	2.17E-03	7.97E-03	pCi/m3	U
2102	568220002	1/24/2022	Iodine-131	-5.89E-04	2.19E-03	7.04E-03	pCi/m3	U
2102	568941002	1/31/2022	Iodine-131	-4.72E-04	2.42E-03	7.55E-03	pCi/m3	U
2102	569535002	2/7/2022	Iodine-131	-5.19E-04	2.40E-03	7.59E-03	pCi/m3	U
2102	570265010	2/14/2022	Iodine-131	6.99E-03	3.22E-03	6.95E-03	pCi/m3	UI
2102	571000001	2/22/2022	Iodine-131	-1.82E-03	1.91E-03	5.67E-03	pCi/m3	U
2102	571637002	2/28/2022	Iodine-131	-4.15E-04	1.75E-03	5.73E-03	pCi/m3	U
2102	572310002	3/7/2022	Iodine-131	3.10E-03	2.95E-03	1.05E-02	pCi/m3	U
2102	573044002	3/14/2022	Iodine-131	6.20E-04	1.77E-03	5.47E-03	pCi/m3	U
2102	573809002	3/21/2022	Iodine-131	-2.05E-03	1.88E-03	5.59E-03	pCi/m3	U
2102	574543002	3/28/2022	Iodine-131	1.20E-03	3.02E-03	1.01E-02	pCi/m3	U
2106	566166006	1/4/2022	Iodine-131	3.82E-04	1.25E-03	4.37E-03	pCi/m3	U
2106	566829010	1/10/2022	Iodine-131	1.16E-03	2.99E-03	9.45E-03	pCi/m3	U
2106	567639006	1/18/2022	Iodine-131	3.64E-04	2.25E-03	7.75E-03	pCi/m3	U
2106	568220004	1/24/2022	Iodine-131	1.06E-03	3.87E-03	1.33E-02	pCi/m3	U
2106	568941010	1/31/2022	Iodine-131	3.15E-03	3.50E-03	1.29E-02	pCi/m3	U
2106	569535004	2/7/2022	Iodine-131	9.40E-04	2.42E-03	8.27E-03	pCi/m3	U
2106	570265012	2/14/2022	Iodine-131	-9.94E-04	3.94E-03	1.29E-02	pCi/m3	U
2106	571000012	2/22/2022	Iodine-131	2.94E-03	3.05E-03	1.09E-02	pCi/m3	U
2106	571637004	2/28/2022	Iodine-131	-2.06E-03	1.97E-03	5.72E-03	pCi/m3	U
2106	572310012	3/7/2022	Iodine-131	3.87E-03	4.48E-03	1.63E-02	pCi/m3	U
2106	573044004	3/14/2022	Iodine-131	3.77E-03	3.45E-03	1.27E-02	pCi/m3	U
2106	573809004	3/21/2022	Iodine-131	-2.42E-03	2.27E-03	6.77E-03	pCi/m3	U
2106	574543004	3/28/2022	Iodine-131	1.29E-03	3.08E-03	1.08E-02	pCi/m3	U
2107	566166004	1/4/2022	Iodine-131	-8.06E-04	1.35E-03	4.37E-03	pCi/m3	U
2107	566829004	1/10/2022	Iodine-131	-2.22E-04	2.42E-03	8.05E-03	pCi/m3	U
2107	567639008	1/18/2022	Iodine-131	-3.51E-05	2.60E-03	8.48E-03	pCi/m3	U
2107	568220006	1/24/2022	Iodine-131	3.08E-03	4.44E-03	1.53E-02	pCi/m3	U
2107	568941008	1/31/2022	Iodine-131	1.66E-03	1.72E-03	6.65E-03	pCi/m3	U
2107	569535006	2/7/2022	Iodine-131	1.69E-03	2.88E-03	9.93E-03	pCi/m3	U
2107	570265014	2/14/2022	Iodine-131	5.52E-03	3.09E-03	1.22E-02	pCi/m3	U
2107	571000006	2/22/2022	Iodine-131	7.36E-04	1.67E-03	5.61E-03	pCi/m3	U
2107	571637006	2/28/2022	Iodine-131	-1.40E-03	1.08E-03	2.96E-03	pCi/m3	U
2107	572310006	3/7/2022	Iodine-131	3.56E-03	2.35E-03	9.05E-03	pCi/m3	U
2107	573044006	3/14/2022	Iodine-131	-1.30E-03	2.27E-03	6.92E-03	pCi/m3	U
2107	573809006	3/21/2022	Iodine-131	-2.59E-03	1.47E-03	4.08E-03	pCi/m3	U
2107	574543006	3/28/2022	Iodine-131	1.52E-03	1.72E-03	6.31E-03	pCi/m3	U
2112	566166008	1/3/2022	Iodine-131	7.77E-03	5.53E-03	9.83E-03	pCi/m3	U
2112	566829012	1/10/2022	Iodine-131	2.72E-03	2.76E-03	1.01E-02	pCi/m3	U
2112	567639010	1/18/2022	Iodine-131	1.14E-03	1.90E-03	6.91E-03	pCi/m3	U
2112	568220008	1/24/2022	Iodine-131	3.34E-04	3.23E-03	1.11E-02	pCi/m3	U

Table 11: Complete REMP Results – Radioiodine (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	568941012	1/31/2022	Iodine-131	1.47E-03	2.29E-03	8.40E-03	pCi/m3	U
2112	569535008	2/7/2022	Iodine-131	-5.63E-04	2.60E-03	8.47E-03	pCi/m3	U
2112	570265016	2/14/2022	Iodine-131	-2.22E-03	3.38E-03	1.02E-02	pCi/m3	U
2112	571000008	2/22/2022	Iodine-131	-8.57E-04	2.13E-03	6.89E-03	pCi/m3	U
2112	571637008	2/28/2022	Iodine-131	1.66E-03	2.68E-03	9.26E-03	pCi/m3	U
2112	572310008	3/7/2022	Iodine-131	-3.53E-03	3.40E-03	8.92E-03	pCi/m3	U
2112	573044008	3/14/2022	Iodine-131	9.27E-04	2.58E-03	9.04E-03	pCi/m3	U
2112	573809008	3/21/2022	Iodine-131	5.77E-03	4.64E-03	1.74E-02	pCi/m3	U
2112	574543008	3/28/2022	Iodine-131	-2.76E-03	9.88E-03	3.10E-02	pCi/m3	U
2115	566166010	1/4/2022	Iodine-131	-1.60E-03	1.38E-03	4.11E-03	pCi/m3	U
2115	566829002	1/10/2022	Iodine-131	5.99E-03	2.92E-03	1.13E-02	pCi/m3	U
2115	567639012	1/19/2022	Iodine-131	3.51E-03	1.62E-03	6.87E-03	pCi/m3	U
2115	568220010	1/24/2022	Iodine-131	-3.05E-03	4.29E-03	1.29E-02	pCi/m3	U
2115	568941004	1/31/2022	Iodine-131	-7.26E-04	2.64E-03	8.57E-03	pCi/m3	U
2115	569535010	2/7/2022	Iodine-131	1.43E-03	2.17E-03	7.80E-03	pCi/m3	U
2115	570265018	2/14/2022	Iodine-131	-5.41E-03	2.48E-03	5.61E-03	pCi/m3	U
2115	571000010	2/22/2022	Iodine-131	-1.20E-03	1.63E-03	5.19E-03	pCi/m3	U
2115	571637010	2/28/2022	Iodine-131	-3.77E-03	1.90E-03	4.92E-03	pCi/m3	U
2115	572310010	3/7/2022	Iodine-131	-1.95E-03	2.36E-03	6.99E-03	pCi/m3	U
2115	573044010	3/14/2022	Iodine-131	-8.40E-03	4.00E-03	1.08E-02	pCi/m3	U
2115	573809010	3/21/2022	Iodine-131	3.21E-06	2.22E-03	7.46E-03	pCi/m3	U
2115	574543010	3/28/2022	Iodine-131	3.35E-03	2.39E-03	9.41E-03	pCi/m3	U
2223	566166012	1/3/2022	Iodine-131	-6.65E-04	1.50E-03	4.77E-03	pCi/m3	U
2223	566829014	1/10/2022	Iodine-131	2.92E-03	2.67E-03	9.65E-03	pCi/m3	U
2223	567639014	1/18/2022	Iodine-131	-7.08E-05	2.02E-03	6.72E-03	pCi/m3	U
2223	568220012	1/24/2022	Iodine-131	4.52E-04	2.97E-03	9.52E-03	pCi/m3	U
2223	568941006	1/31/2022	Iodine-131	-2.75E-03	2.79E-03	8.15E-03	pCi/m3	U
2223	569535012	2/7/2022	Iodine-131	2.75E-04	2.37E-03	8.12E-03	pCi/m3	U
2223	570265020	2/14/2022	Iodine-131	-1.54E-04	3.95E-03	1.32E-02	pCi/m3	U
2223	571000022	2/22/2022	Iodine-131	-9.26E-04	1.52E-03	4.81E-03	pCi/m3	U
2223	571637012	2/28/2022	Iodine-131	4.59E-04	1.19E-03	4.15E-03	pCi/m3	U
2223	572310022	3/7/2022	Iodine-131	2.09E-04	6.80E-04	2.19E-03	pCi/m3	U
2223	573044012	3/14/2022	Iodine-131	-1.20E-03	2.07E-03	5.61E-03	pCi/m3	U
2223	573809012	3/21/2022	Iodine-131	-2.51E-03	1.53E-03	3.50E-03	pCi/m3	U
2223	574543012	3/28/2022	Iodine-131	2.72E-03	2.15E-03	8.22E-03	pCi/m3	U
2224	566166014	1/3/2022	Iodine-131	3.71E-03	2.03E-03	7.91E-03	pCi/m3	U
2224	566829015	1/10/2022	Iodine-131	-3.55E-03	2.91E-03	9.07E-03	pCi/m3	U
2224	567639015	1/18/2022	Iodine-131	3.41E-04	2.99E-03	9.98E-03	pCi/m3	U
2224	568220014	1/24/2022	Iodine-131	-1.12E-03	3.00E-03	8.62E-03	pCi/m3	U
2224	568941014	1/31/2022	Iodine-131	1.81E-03	2.41E-03	8.95E-03	pCi/m3	U
2224	569535014	2/7/2022	Iodine-131	4.71E-04	3.87E-03	1.33E-02	pCi/m3	U
2224	570265026	2/14/2022	Iodine-131	-2.45E-04	4.06E-03	1.37E-02	pCi/m3	U
2224	571000020	2/22/2022	Iodine-131	3.51E-03	3.17E-03	5.06E-03	pCi/m3	U

Table 11: Complete REMP Results – Radioiodine (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2224	571637014	2/28/2022	Iodine-131	-4.11E-04	1.58E-03	5.11E-03	pCi/m3	U
2224	572310020	3/7/2022	Iodine-131	-1.49E-03	2.40E-03	7.70E-03	pCi/m3	U
2224	573044014	3/14/2022	Iodine-131	-2.31E-03	2.56E-03	7.93E-03	pCi/m3	U
2224	573809014	3/21/2022	Iodine-131	1.60E-04	1.61E-03	5.37E-03	pCi/m3	U
2224	574543014	3/28/2022	Iodine-131	2.21E-03	3.11E-03	1.09E-02	pCi/m3	U
2225	566166016	1/3/2022	Iodine-131	-2.64E-03	2.03E-03	5.77E-03	pCi/m3	U
2225	566829018	1/10/2022	Iodine-131	4.85E-03	2.44E-03	9.67E-03	pCi/m3	U
2225	567639018	1/18/2022	Iodine-131	1.27E-03	2.59E-03	9.18E-03	pCi/m3	U
2225	568220016	1/24/2022	Iodine-131	-1.62E-03	2.68E-03	8.44E-03	pCi/m3	U
2225	568941016	1/31/2022	Iodine-131	-2.05E-03	2.59E-03	7.86E-03	pCi/m3	U
2225	569535016	2/7/2022	Iodine-131	-2.60E-03	2.32E-03	6.96E-03	pCi/m3	U
2225	570265024	2/14/2022	Iodine-131	3.62E-04	2.39E-03	8.24E-03	pCi/m3	U
2225	571000018	2/22/2022	Iodine-131	-1.04E-03	1.52E-03	4.82E-03	pCi/m3	U
2225	571637016	2/28/2022	Iodine-131	-1.51E-04	1.89E-03	5.82E-03	pCi/m3	U
2225	572310018	3/7/2022	Iodine-131	-4.89E-04	2.80E-03	8.48E-03	pCi/m3	U
2225	573044016	3/14/2022	Iodine-131	1.23E-04	2.22E-03	7.47E-03	pCi/m3	U
2225	573809016	3/21/2022	Iodine-131	1.21E-03	1.94E-03	6.55E-03	pCi/m3	U
2225	574543016	3/28/2022	Iodine-131	2.45E-03	2.48E-03	8.52E-03	pCi/m3	U
2229	566166018	1/4/2022	Iodine-131	-7.46E-04	1.42E-03	3.84E-03	pCi/m3	U
2229	566829008	1/10/2022	Iodine-131	-5.15E-03	2.61E-03	7.12E-03	pCi/m3	U
2229	567639020	1/18/2022	Iodine-131	-1.01E-03	2.48E-03	7.99E-03	pCi/m3	U
2229	568220018	1/24/2022	Iodine-131	-2.61E-03	2.32E-03	7.07E-03	pCi/m3	U
2229	568941018	1/31/2022	Iodine-131	3.09E-03	3.74E-03	1.37E-02	pCi/m3	U
2229	569535018	2/8/2022	Iodine-131	-2.27E-03	2.45E-03	6.30E-03	pCi/m3	U
2229	570265004	2/14/2022	Iodine-131	2.66E-03	1.95E-03	7.98E-03	pCi/m3	U
2229	571000016	2/22/2022	Iodine-131	-9.11E-04	2.37E-03	7.84E-03	pCi/m3	U
2229	571637018	2/28/2022	Iodine-131	-3.60E-04	1.98E-03	6.51E-03	pCi/m3	U
2229	572310016	3/7/2022	Iodine-131	-1.37E-04	2.42E-03	8.02E-03	pCi/m3	U
2229	573044018	3/14/2022	Iodine-131	3.88E-03	3.30E-03	7.06E-03	pCi/m3	U
2229	573809018	3/21/2022	Iodine-131	4.75E-03	2.30E-03	8.92E-03	pCi/m3	U
2229	574543018	3/28/2022	Iodine-131	2.57E-03	2.92E-03	1.07E-02	pCi/m3	U
2233	566166020	1/3/2022	Iodine-131	2.40E-03	1.19E-03	4.78E-03	pCi/m3	U
2233	566829020	1/11/2022	Iodine-131	-1.84E-03	2.35E-03	7.23E-03	pCi/m3	U
2233	567639022	1/18/2022	Iodine-131	-1.84E-04	1.79E-03	5.97E-03	pCi/m3	U
2233	568220020	1/24/2022	Iodine-131	2.48E-03	3.48E-03	1.17E-02	pCi/m3	U
2233	568941020	1/31/2022	Iodine-131	-8.14E-04	2.48E-03	8.11E-03	pCi/m3	U
2233	569535020	2/7/2022	Iodine-131	1.14E-03	2.20E-03	7.04E-03	pCi/m3	U
2233	570265008	2/14/2022	Iodine-131	-1.49E-03	3.02E-03	9.28E-03	pCi/m3	U
2233	571000014	2/22/2022	Iodine-131	3.84E-04	1.90E-03	6.20E-03	pCi/m3	U
2233	571637020	2/28/2022	Iodine-131	1.59E-03	2.12E-03	7.51E-03	pCi/m3	U
2233	572310014	3/7/2022	Iodine-131	-6.71E-04	2.14E-03	7.00E-03	pCi/m3	U
2233	573044020	3/14/2022	Iodine-131	-6.26E-04	2.27E-03	7.10E-03	pCi/m3	U
2233	573809020	3/21/2022	Iodine-131	7.49E-04	1.86E-03	6.43E-03	pCi/m3	U

Table 11: Complete REMP Results – Radioiodine (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2233	574543020	3/28/2022	Iodine-131	-1.28E-03	2.53E-03	8.12E-03	pCi/m3	U
2234	566166022	1/3/2022	Iodine-131	-1.94E-03	2.20E-03	6.05E-03	pCi/m3	U
2234	566829022	1/12/2022	Iodine-131	1.64E-03	2.31E-03	7.25E-03	pCi/m3	U
2234	567639024	1/18/2022	Iodine-131	-2.57E-03	2.98E-03	8.39E-03	pCi/m3	U
2234	568220022	1/25/2022	Iodine-131	-1.78E-03	1.84E-03	5.56E-03	pCi/m3	U
2234	568941022	1/31/2022	Iodine-131	-3.40E-03	2.69E-03	6.87E-03	pCi/m3	U
2234	569535022	2/7/2022	Iodine-131	2.72E-03	2.63E-03	9.62E-03	pCi/m3	U
2234	570265002	2/14/2022	Iodine-131	2.73E-03	2.59E-03	9.90E-03	pCi/m3	U
2234	571000004	2/22/2022	Iodine-131	-1.56E-03	3.21E-03	1.04E-02	pCi/m3	U
2234	571637022	2/28/2022	Iodine-131	-3.52E-05	2.09E-03	7.07E-03	pCi/m3	U
2234	572310004	3/7/2022	Iodine-131	-3.80E-04	1.92E-03	6.30E-03	pCi/m3	U
2234	573044022	3/14/2022	Iodine-131	-1.02E-03	2.85E-03	8.92E-03	pCi/m3	U
2234	573809021	3/21/2022	Iodine-131	4.24E-04	2.45E-03	8.13E-03	pCi/m3	U
2234	574543022	3/28/2022	Iodine-131	3.93E-03	4.33E-03	1.59E-02	pCi/m3	U
3298	566168020	1/3/2022	Iodine-131	3.20E-04	2.57E-03	8.85E-03	pCi/m3	U
3298	566833010	1/10/2022	Iodine-131	-1.07E-02	6.62E-03	1.44E-02	pCi/m3	U
3298	567637020	1/18/2022	Iodine-131	-1.46E-03	1.78E-03	4.74E-03	pCi/m3	U
3298	568223008	1/24/2022	Iodine-131	-1.09E-04	2.83E-03	9.12E-03	pCi/m3	U
3298	568942002	1/31/2022	Iodine-131	-2.89E-03	1.54E-03	4.23E-03	pCi/m3	U
3298	569529006	2/7/2022	Iodine-131	3.95E-04	1.87E-03	6.46E-03	pCi/m3	U
3298	570268004	2/14/2022	Iodine-131	2.81E-03	3.39E-03	8.33E-03	pCi/m3	U
3298	570996004	2/22/2022	Iodine-131	5.52E-03	1.64E-03	7.62E-03	pCi/m3	U
3298	571638022	2/28/2022	Iodine-131	4.63E-03	4.54E-03	1.66E-02	pCi/m3	U
3298	572306014	3/8/2022	Iodine-131	-1.11E-04	1.66E-03	5.59E-03	pCi/m3	U
3298	573046020	3/14/2022	Iodine-131	5.28E-03	4.14E-03	1.50E-02	pCi/m3	U
3298	573814002	3/21/2022	Iodine-131	-8.07E-04	1.59E-03	5.12E-03	pCi/m3	U
3298	574544002	3/28/2022	Iodine-131	-2.45E-03	2.70E-03	7.99E-03	pCi/m3	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485 Duplicate/2160	578972003	4/18/2022	Actinium-228	1.66E+01	9.58E+00	3.55E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Americium-241	1.40E+01	1.47E+01	5.21E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Antimony-124	1.30E+01	6.14E+00	2.56E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Antimony-125	6.34E-01	4.51E+00	1.51E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Barium-140	-3.64E-01	2.57E+01	8.37E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485 Duplicate/2160	578972003	4/18/2022	Beryllium-7	-1.12E+00	1.91E+01	6.27E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Bismuth-214	2.44E+00	4.40E+00	1.47E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cerium-141	-5.21E+00	4.52E+00	1.35E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cerium-144	6.16E+00	1.09E+01	3.65E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cesium-134	-1.20E+00	2.50E+00	8.19E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cesium-137	3.49E+00	1.96E+00	7.23E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Chromium-51	-2.69E+01	3.12E+01	8.96E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cobalt-57	2.39E+00	1.54E+00	5.40E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cobalt-58	-1.09E+00	1.92E+00	6.15E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Cobalt-60	3.25E+00	2.75E+00	9.92E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Iron-59	4.79E+00	6.93E+00	2.41E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Lanthanum-140	4.69E+00	7.77E+00	2.83E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Lead-210	-5.95E+02	5.51E+02	1.78E+03	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Lead-212	2.09E+00	4.06E+00	1.30E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Lead-214	5.98E+00	4.40E+00	1.49E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Manganese-54	1.10E+00	1.96E+00	6.92E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Molybdenum-99	4.45E+03	8.23E+03	2.66E+04	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Niobium-95	-4.02E+00	3.03E+00	7.60E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Potassium-40	3.35E+03	1.36E+02	7.85E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Radium-226	2.44E+00	4.40E+00	1.47E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Radium-228	1.66E+01	9.58E+00	3.55E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Ruthenium-103	3.04E+00	2.78E+00	9.79E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Ruthenium-106	-2.63E+01	1.85E+01	5.23E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485 Duplicate/2160	578972003	4/18/2022	Selenium-75	-3.26E+00	2.61E+00	8.44E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Silver-108m	1.10E+00	1.48E+00	5.18E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Silver-110m	3.30E+00	3.29E+00	1.18E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Tellurium-132	6.18E+02	2.99E+02	1.06E+03	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Thallium-208	-4.13E+00	2.53E+00	7.33E+00	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Thorium-228	2.09E+00	4.06E+00	1.30E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Thorium-230	2.44E+00	4.40E+00	1.47E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Thorium-232	1.66E+01	9.58E+00	3.55E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Thorium-234	-2.48E+02	1.36E+02	4.27E+02	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Uranium-234	2.44E+00	4.40E+00	1.47E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Zinc-65	-2.48E+00	6.39E+00	2.04E+01	pCi/kg	U
TRM 485 Duplicate/2160	578972003	4/18/2022	Zirconium-95	-3.30E+00	5.15E+00	1.54E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Actinium-228	3.93E+01	1.41E+01	3.43E+01	pCi/kg	UI
TRM 485/2160	578972002	4/18/2022	Americium-241	8.32E+00	1.06E+01	3.67E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Antimony-124	3.18E+00	5.22E+00	1.85E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Antimony-125	-5.85E+00	5.45E+00	1.49E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Barium-140	1.84E+01	2.54E+01	8.78E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Beryllium-7	2.66E+01	1.86E+01	6.77E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Bismuth-214	7.06E+00	5.01E+00	1.69E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cerium-141	9.63E+00	6.77E+00	1.31E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cerium-144	1.43E+00	1.19E+01	3.87E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cesium-134	-3.27E-01	2.13E+00	6.73E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cesium-137	1.05E+00	2.70E+00	9.41E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Chromium-51	6.12E+01	4.19E+01	7.83E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cobalt-57	2.45E+00	1.51E+00	5.26E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cobalt-58	-5.61E-01	2.61E+00	8.22E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Cobalt-60	-3.77E+00	2.64E+00	7.52E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Iron-59	7.64E+00	6.73E+00	2.24E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Lanthanum-140	-3.70E-01	6.43E+00	2.07E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Lead-210	-4.31E+02	3.82E+02	1.20E+03	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Lead-212	-1.15E+00	4.00E+00	1.24E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Lead-214	7.58E+00	5.59E+00	1.50E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Manganese-54	6.71E-01	2.25E+00	7.38E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Molybdenum-99	-1.87E+03	7.71E+03	2.44E+04	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485/2160	578972002	4/18/2022	Niobium-95	-1.84E+00	2.48E+00	7.44E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Potassium-40	3.31E+03	1.40E+02	7.22E+01	pCi/kg	
TRM 485/2160	578972002	4/18/2022	Radium-226	7.06E+00	5.01E+00	1.69E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Radium-228	3.93E+01	1.41E+01	3.43E+01	pCi/kg	UI
TRM 485/2160	578972002	4/18/2022	Ruthenium-103	3.29E-01	2.23E+00	7.49E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Ruthenium-106	8.86E-01	1.82E+01	5.97E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Selenium-75	3.53E+00	2.81E+00	9.39E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Silver-108m	3.90E+00	3.86E+00	5.44E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Silver-110m	2.55E+00	3.20E+00	1.09E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Tellurium-132	2.37E+02	3.16E+02	1.04E+03	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Thallium-208	-1.98E+00	2.21E+00	6.53E+00	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Thorium-228	-1.15E+00	4.00E+00	1.24E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Thorium-230	7.06E+00	5.01E+00	1.69E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Thorium-232	3.93E+01	1.41E+01	3.43E+01	pCi/kg	UI
TRM 485/2160	578972002	4/18/2022	Thorium-234	-5.45E+01	1.01E+02	3.29E+02	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Uranium-234	7.06E+00	5.01E+00	1.69E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Zinc-65	1.24E+00	5.21E+00	1.78E+01	pCi/kg	U
TRM 485/2160	578972002	4/18/2022	Zirconium-95	-8.57E+00	4.70E+00	1.27E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Actinium-228	-6.43E+00	8.32E+00	2.47E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Americium-241	-1.49E+01	4.57E+00	1.24E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Antimony-124	6.39E+00	4.72E+00	1.91E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Antimony-125	-2.96E+00	4.55E+00	1.49E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Barium-140	2.07E+01	3.22E+01	1.13E+02	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Beryllium-7	1.80E+01	1.93E+01	6.96E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Bismuth-214	1.32E+01	6.08E+00	1.03E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cerium-141	3.90E+00	4.50E+00	1.46E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cerium-144	-9.06E+00	1.06E+01	3.33E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cesium-134	1.56E+00	2.07E+00	7.29E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cesium-137	4.06E+00	2.04E+00	7.76E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Chromium-51	-4.95E+01	2.63E+01	7.00E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cobalt-57	6.14E-01	1.35E+00	4.54E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cobalt-58	3.09E+00	2.21E+00	8.21E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Cobalt-60	3.99E+00	2.38E+00	9.26E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Iron-59	-5.57E-01	7.09E+00	2.26E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Lanthanum-140	-2.00E-01	1.00E+01	3.35E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Lead-210	-1.80E+02	6.50E+01	1.88E+02	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Lead-212	9.02E-01	6.05E+00	1.46E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Lead-214	-3.09E-01	4.20E+00	1.28E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Manganese-54	7.53E-01	1.55E+00	5.37E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Molybdenum-99	1.71E+04	1.87E+04	0.00E+00	pCi/kg	UI
TRM 485/2160	578972001	4/14/2022	Niobium-95	-7.98E-01	2.75E+00	7.72E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Potassium-40	3.22E+03	1.30E+02	6.96E+01	pCi/kg	
TRM 485/2160	578972001	4/14/2022	Radium-226	1.32E+01	6.08E+00	1.03E+01	pCi/kg	
TRM 485/2160	578972001	4/14/2022	Radium-228	-6.43E+00	8.32E+00	2.47E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Ruthenium-103	-4.83E-01	2.80E+00	8.38E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Ruthenium-106	-5.55E+00	1.70E+01	5.53E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485/2160	578972001	4/14/2022	Selenium-75	-1.05E+00	2.30E+00	7.03E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Silver-108m	2.81E-02	1.61E+00	5.49E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Silver-110m	-3.43E+00	2.97E+00	8.58E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Tellurium-132	2.59E+02	7.24E+02	2.35E+03	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Thallium-208	3.43E+00	3.22E+00	5.77E+00	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Thorium-228	9.02E-01	6.05E+00	1.46E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Thorium-230	1.32E+01	6.08E+00	1.03E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Thorium-232	-6.43E+00	8.32E+00	2.47E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Thorium-234	-7.22E+01	4.87E+01	1.56E+02	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Uranium-234	1.32E+01	6.08E+00	1.03E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Zinc-65	4.93E+00	5.30E+00	1.85E+01	pCi/kg	U
TRM 485/2160	578972001	4/14/2022	Zirconium-95	1.31E+01	7.36E+00	1.70E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Actinium-228	2.01E+00	1.05E+01	3.40E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Americium-241	-1.93E+01	1.78E+01	5.21E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Antimony-124	3.40E+00	5.08E+00	1.83E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Antimony-125	-1.03E+00	6.49E+00	1.85E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Barium-140	3.31E+01	2.63E+01	9.21E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Beryllium-7	3.91E+01	2.20E+01	7.95E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Bismuth-214	5.70E+00	5.43E+00	1.73E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cerium-141	1.48E+00	4.81E+00	1.51E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cerium-144	2.81E+00	1.21E+01	4.13E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cesium-134	2.63E+00	2.42E+00	8.84E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cesium-137	1.45E+00	4.34E+00	6.44E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Chromium-51	1.48E+01	2.70E+01	9.12E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cobalt-57	2.61E-01	1.68E+00	5.73E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cobalt-58	1.49E+00	2.63E+00	9.26E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Cobalt-60	4.76E+00	2.85E+00	1.07E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Iron-59	-8.46E+00	7.87E+00	2.41E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Lanthanum-140	5.71E+00	7.64E+00	2.76E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Lead-210	1.39E+03	5.15E+02	1.84E+03	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Lead-212	1.98E+00	6.87E+00	1.47E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Lead-214	1.44E+00	5.02E+00	1.59E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Manganese-54	1.73E+00	2.61E+00	8.08E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Molybdenum-99	-1.12E+04	6.31E+03	1.84E+04	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Niobium-95	4.83E-01	3.01E+00	9.81E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Potassium-40	3.12E+03	1.37E+02	6.59E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Radium-226	5.70E+00	5.43E+00	1.73E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Radium-228	2.01E+00	1.05E+01	3.40E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Ruthenium-103	-1.37E+00	3.07E+00	9.57E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Ruthenium-106	-3.90E+00	2.01E+01	6.31E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Selenium-75	-3.97E-01	2.66E+00	8.74E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Silver-108m	-2.36E+00	2.17E+00	5.68E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Silver-110m	1.77E+00	3.31E+00	1.16E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Tellurium-132	-3.12E+02	2.51E+02	7.82E+02	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Thallium-208	-3.49E-01	2.59E+00	8.19E+00	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Thorium-228	1.98E+00	6.87E+00	1.47E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 532/2161	578972005	4/19/2022	Thorium-230	5.70E+00	5.43E+00	1.73E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Thorium-232	2.01E+00	1.05E+01	3.40E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Thorium-234	-2.18E+02	1.62E+02	4.90E+02	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Uranium-234	5.70E+00	5.43E+00	1.73E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Zinc-65	4.92E+00	5.69E+00	2.02E+01	pCi/kg	U
TRM 532/2161	578972005	4/19/2022	Zirconium-95	-4.94E+00	4.95E+00	1.56E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Actinium-228	2.73E+00	1.06E+01	3.68E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Americium-241	7.94E+00	5.11E+00	1.87E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Antimony-124	2.67E+00	6.15E+00	2.20E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Antimony-125	-6.39E+00	5.42E+00	1.52E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Barium-140	4.85E+00	4.26E+01	1.46E+02	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Beryllium-7	-1.52E+01	2.58E+01	8.19E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Bismuth-214	-9.71E+00	5.90E+00	1.85E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cerium-141	-5.77E+00	5.94E+00	1.73E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cerium-144	3.52E+00	1.28E+01	4.33E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cesium-134	4.34E+00	2.51E+00	9.47E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cesium-137	2.28E+00	2.72E+00	8.81E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Chromium-51	7.83E+01	3.96E+01	1.41E+02	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cobalt-57	-9.13E-01	1.69E+00	5.55E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cobalt-58	2.89E+00	2.74E+00	9.92E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Cobalt-60	-4.28E-01	2.66E+00	7.42E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Iron-59	1.24E+00	8.11E+00	2.66E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Lanthanum-140	-3.63E+00	1.03E+01	3.20E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Lead-210	9.97E+00	1.12E+02	1.81E+02	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Lead-212	-2.91E+00	4.77E+00	1.60E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Lead-214	-3.13E+00	5.49E+00	1.67E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Manganese-54	-2.08E+00	2.94E+00	9.24E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Molybdenum-99	4.16E+05	2.69E+05	0.00E+00	pCi/kg	UI
TRM 532/2161	578972004	4/6/2022	Niobium-95	-2.70E+00	3.23E+00	1.00E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Potassium-40	2.96E+03	1.40E+02	5.96E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Radium-226	-9.71E+00	5.90E+00	1.85E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Radium-228	2.73E+00	1.06E+01	3.68E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Ruthenium-103	9.19E+00	4.70E+00	1.14E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Ruthenium-106	1.12E+01	1.86E+01	6.56E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Selenium-75	1.00E+01	5.57E+00	1.03E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Silver-108m	-2.40E+00	1.92E+00	5.38E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Silver-110m	-3.65E+00	3.73E+00	1.12E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Tellurium-132	-3.50E+03	4.90E+03	0.00E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Thallium-208	-6.15E+00	2.73E+00	8.45E+00	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Thorium-228	-2.91E+00	4.77E+00	1.60E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Thorium-230	-9.71E+00	5.90E+00	1.85E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Thorium-232	2.73E+00	1.06E+01	3.68E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Thorium-234	-4.58E+01	5.63E+01	1.82E+02	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Uranium-234	-9.71E+00	5.90E+00	1.85E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Zinc-65	5.78E+00	6.60E+00	2.10E+01	pCi/kg	U
TRM 532/2161	578972004	4/6/2022	Zirconium-95	6.79E-01	4.38E+00	1.48E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485/2160	599894002	10/5/2022	Actinium-228	3.65E+00	9.28E+00	3.18E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Americium-241	3.73E+00	4.50E+00	1.60E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Antimony-124	-2.97E+00	4.48E+00	1.32E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Antimony-125	-5.30E+00	4.48E+00	1.26E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Barium-140	1.20E+01	3.46E+01	1.21E+02	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Beryllium-7	6.77E+00	2.02E+01	7.08E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Bismuth-214	-1.01E+01	4.48E+00	1.38E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cerium-141	-1.22E+01	5.60E+00	1.56E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cerium-144	-5.59E+00	9.82E+00	3.20E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cesium-134	-1.44E+00	1.91E+00	5.89E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cesium-137	2.74E+00	1.89E+00	6.97E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Chromium-51	-1.38E+01	3.06E+01	9.46E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cobalt-57	7.63E-02	1.26E+00	4.24E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cobalt-58	-1.74E+00	2.57E+00	7.76E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Cobalt-60	3.88E-01	2.23E+00	7.23E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Iron-59	6.00E+00	7.04E+00	2.44E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Lanthanum-140	-1.57E+01	1.38E+01	3.92E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Lead-210	-5.51E+01	6.12E+01	1.97E+02	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Lead-212	7.52E+00	5.24E+00	1.30E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Lead-214	-3.91E+00	4.08E+00	1.24E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Manganese-54	4.96E-01	2.06E+00	6.94E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Molybdenum-99	-2.86E+03	1.21E+05	0.00E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Niobium-95	1.25E+00	2.63E+00	9.03E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Potassium-40	2.82E+03	1.16E+02	5.09E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Radium-226	-3.91E+00	4.08E+00	1.24E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Radium-228	3.65E+00	9.28E+00	3.18E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Ruthenium-103	2.49E-01	2.81E+00	9.68E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Ruthenium-106	1.79E+01	1.28E+01	4.82E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Selenium-75	6.42E-02	2.47E+00	7.98E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Silver-108m	-9.47E-01	1.30E+00	3.38E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Silver-110m	1.45E+00	2.83E+00	9.70E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Tellurium-132	-3.68E+03	3.63E+03	0.00E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Thallium-208	2.33E+00	2.74E+00	5.07E+00	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Thorium-228	7.52E+00	5.24E+00	1.30E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Thorium-230	-3.91E+00	4.08E+00	1.24E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Thorium-232	3.65E+00	9.28E+00	3.18E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Thorium-234	1.21E+02	8.00E+01	1.75E+02	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Uranium-234	-3.91E+00	4.08E+00	1.24E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Zinc-65	1.03E+01	5.76E+00	2.04E+01	pCi/kg	U
TRM 485/2160	599894002	10/5/2022	Zirconium-95	-1.12E+00	4.24E+00	1.38E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Actinium-228	1.94E+00	8.17E+00	2.49E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Americium-241	-3.41E-02	5.00E+00	1.64E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Antimony-124	-5.06E+00	5.93E+00	1.66E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485 Duplicate/2160	599894003	10/5/2022	Antimony-125	-9.21E+00	3.96E+00	1.07E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Barium-140	4.32E-01	4.20E+01	1.38E+02	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Beryllium-7	-1.09E+01	2.03E+01	6.44E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Bismuth-214	-6.50E+00	4.65E+00	1.26E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cerium-141	9.11E-01	4.79E+00	1.53E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cerium-144	6.46E+00	9.18E+00	3.03E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cesium-134	3.18E-01	2.29E+00	7.41E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cesium-137	6.92E-01	2.08E+00	6.90E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Chromium-51	-4.78E+01	2.87E+01	8.76E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cobalt-57	-1.00E+00	1.22E+00	3.72E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cobalt-58	-2.43E+00	2.54E+00	7.34E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Cobalt-60	1.24E+00	2.59E+00	8.92E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Iron-59	-3.80E+00	6.34E+00	2.02E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Lanthanum-140	-3.18E+01	1.25E+01	1.78E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Lead-210	-3.92E+01	6.85E+01	2.19E+02	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Lead-212	-3.67E+00	3.51E+00	1.18E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Lead-214	-3.16E+00	4.14E+00	1.23E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Manganese-54	-7.56E-01	1.87E+00	5.71E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Molybdenum-99	-1.42E+05	1.37E+05	0.00E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Niobium-95	3.52E+00	2.64E+00	9.40E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Potassium-40	3.35E+03	1.28E+02	5.86E+01	pCi/kg	
TRM 485 Duplicate/2160	599894003	10/5/2022	Radium-226	-3.16E+00	4.14E+00	1.23E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Radium-228	1.94E+00	8.17E+00	2.49E+01	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485 Duplicate/2160	599894003	10/5/2022	Ruthenium-103	-2.68E+00	2.99E+00	8.95E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Ruthenium-106	1.99E+01	2.35E+01	4.79E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Selenium-75	2.93E+00	2.36E+00	8.51E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Silver-108m	1.63E+00	1.36E+00	4.87E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Silver-110m	-1.12E+00	2.89E+00	8.80E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Tellurium-132	-9.22E+02	2.86E+03	0.00E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Thallium-208	1.71E+00	2.90E+00	5.81E+00	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Thorium-228	-3.67E+00	3.51E+00	1.18E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Thorium-230	-3.16E+00	4.14E+00	1.23E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Thorium-232	1.94E+00	8.17E+00	2.49E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Thorium-234	-5.32E+01	6.10E+01	1.75E+02	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Uranium-234	-3.16E+00	4.14E+00	1.23E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Zinc-65	8.39E+00	5.76E+00	1.95E+01	pCi/kg	U
TRM 485 Duplicate/2160	599894003	10/5/2022	Zirconium-95	6.42E+00	4.93E+00	1.75E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Actinium-228	-2.88E+00	8.81E+00	2.92E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Americium-241	5.91E+00	9.27E+00	3.08E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Antimony-124	-1.06E+01	5.13E+00	1.16E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Antimony-125	2.62E+00	4.33E+00	1.50E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Barium-140	1.19E+01	1.79E+01	6.18E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Beryllium-7	1.21E+01	1.84E+01	6.33E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Bismuth-214	2.11E-01	4.72E+00	1.47E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cerium-141	-5.24E+00	3.87E+00	1.18E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cerium-144	-1.15E+01	1.05E+01	3.25E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cesium-134	1.57E+00	2.23E+00	7.46E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cesium-137	-1.15E+00	2.01E+00	6.14E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Chromium-51	-2.93E+01	2.26E+01	7.18E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cobalt-57	1.54E+00	1.31E+00	4.55E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cobalt-58	3.38E+00	2.38E+00	8.83E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Cobalt-60	-7.72E-01	2.03E+00	6.26E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Iron-59	-6.51E-01	6.72E+00	2.03E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Lanthanum-140	2.33E+00	5.45E+00	1.95E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Lead-210	1.74E+03	7.07E+02	8.67E+02	pCi/kg	UI

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 532/2161	599894005	10/18/2022	Lead-212	-9.30E-01	3.51E+00	1.07E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Lead-214	4.09E-01	4.04E+00	1.28E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Manganese-54	-1.06E+00	1.77E+00	5.70E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Molybdenum-99	-1.30E+03	4.84E+03	1.31E+04	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Niobium-95	1.16E+00	2.33E+00	7.71E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Potassium-40	2.96E+03	1.24E+02	8.21E+01	pCi/kg	
TRM 532/2161	599894005	10/18/2022	Radium-226	4.09E-01	4.04E+00	1.28E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Radium-228	-2.88E+00	8.81E+00	2.92E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Ruthenium-103	1.94E+00	2.19E+00	7.68E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Ruthenium-106	-8.91E+00	1.56E+01	4.79E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Selenium-75	1.66E+00	2.69E+00	8.68E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Silver-108m	-4.06E-01	1.38E+00	4.52E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Silver-110m	3.55E+00	2.80E+00	1.03E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Tellurium-132	4.14E+01	2.26E+02	7.23E+02	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Thallium-208	-3.18E+00	2.16E+00	5.98E+00	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Thorium-228	-9.30E-01	3.51E+00	1.07E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Thorium-230	4.09E-01	4.04E+00	1.28E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Thorium-232	-2.88E+00	8.81E+00	2.92E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Thorium-234	1.37E+02	1.41E+02	2.13E+02	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Uranium-234	4.09E-01	4.04E+00	1.28E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Zinc-65	7.23E+00	5.88E+00	2.09E+01	pCi/kg	U
TRM 532/2161	599894005	10/18/2022	Zirconium-95	-4.12E+00	4.80E+00	1.25E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Actinium-228	-3.31E+01	1.14E+01	2.79E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Americium-241	6.56E+00	1.71E+01	5.89E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Antimony-124	-3.58E-01	7.19E+00	2.33E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Antimony-125	-5.60E+00	5.75E+00	1.81E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Barium-140	-2.47E+01	4.98E+01	1.59E+02	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Beryllium-7	2.91E+00	2.87E+01	9.69E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Bismuth-214	-4.68E+00	6.05E+00	1.81E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cerium-141	-2.32E-01	6.32E+00	2.05E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cerium-144	-8.73E-01	1.49E+01	4.83E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cesium-134	-1.88E+00	2.86E+00	8.64E+00	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cesium-137	1.63E+01	5.81E+00	7.62E+00	pCi/kg	UI
TRM 532/2161	599894004	10/6/2022	Chromium-51	-2.44E-01	3.82E+01	1.31E+02	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cobalt-57	1.19E+00	1.89E+00	6.36E+00	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cobalt-58	-3.25E+00	3.58E+00	1.06E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Cobalt-60	2.75E+00	3.09E+00	1.12E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Iron-59	1.57E+01	1.00E+01	3.52E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Lanthanum-140	6.80E+00	9.94E+00	3.84E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Lead-210	-5.28E+02	9.99E+02	3.31E+03	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Lead-212	-7.61E+00	5.25E+00	1.45E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Lead-214	-4.12E+00	6.00E+00	1.83E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Manganese-54	6.55E-01	2.73E+00	8.97E+00	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Molybdenum-99	4.57E+04	1.55E+05	0.00E+00	pCi/kg	UI
TRM 532/2161	599894004	10/6/2022	Niobium-95	-4.23E+00	3.81E+00	1.12E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Potassium-40	3.27E+03	1.54E+02	7.63E+01	pCi/kg	

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 532/2161	599894004	10/6/2022	Radium-226	-4.12E+00	6.00E+00	1.83E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Radium-228	-3.31E+01	1.14E+01	2.79E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Ruthenium-103	4.79E+00	3.97E+00	1.43E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Ruthenium-106	2.36E+01	2.43E+01	8.54E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Selenium-75	4.10E+00	3.44E+00	1.16E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Silver-108m	7.50E-01	1.99E+00	6.86E+00	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Silver-110m	1.26E+01	3.94E+00	1.30E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Tellurium-132	2.97E+03	3.92E+03	0.00E+00	pCi/kg	UI
TRM 532/2161	599894004	10/6/2022	Thallium-208	-2.08E+00	2.69E+00	8.10E+00	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Thorium-228	-7.61E+00	5.25E+00	1.45E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Thorium-230	-4.12E+00	6.00E+00	1.83E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Thorium-232	-3.31E+01	1.14E+01	2.79E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Thorium-234	-6.04E+01	1.89E+02	5.36E+02	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Uranium-234	-4.12E+00	6.00E+00	1.83E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Zinc-65	-4.40E+00	6.50E+00	2.06E+01	pCi/kg	U
TRM 532/2161	599894004	10/6/2022	Zirconium-95	-3.27E+00	6.09E+00	1.87E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Actinium-228	1.12E+01	1.17E+01	3.65E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Americium-241	-1.58E+01	1.66E+01	5.02E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Antimony-124	-1.08E+00	8.57E+00	2.80E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Antimony-125	4.01E+00	6.59E+00	2.21E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Barium-140	-2.20E+01	5.31E+01	1.75E+02	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Beryllium-7	2.78E+01	2.59E+01	8.99E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Bismuth-214	4.72E+00	5.79E+00	1.94E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cerium-141	7.38E+00	9.95E+00	1.83E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cerium-144	1.78E+00	1.24E+01	4.05E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cesium-134	3.12E+00	3.09E+00	9.88E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cesium-137	-2.42E+00	2.65E+00	8.18E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Chromium-51	-1.45E+01	4.15E+01	1.35E+02	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cobalt-57	1.83E+00	1.69E+00	5.79E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cobalt-58	-1.39E+00	3.85E+00	1.22E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Cobalt-60	-3.73E-01	2.76E+00	8.85E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Iron-59	-5.56E+00	1.20E+01	3.89E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Lanthanum-140	-3.09E+00	2.18E+01	7.16E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Lead-210	-1.49E+02	7.04E+02	2.26E+03	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Lead-212	7.46E+00	4.07E+00	1.46E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Lead-214	-7.58E+00	5.27E+00	1.39E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Manganese-54	2.32E+00	2.67E+00	9.30E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Molybdenum-99	-4.63E+05	1.89E+05	0.00E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Niobium-95	-1.24E+00	3.98E+00	1.27E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Potassium-40	3.21E+03	1.52E+02	7.59E+01	pCi/kg	
TRM 485/2160	599894001	10/5/2022	Radium-226	-7.58E+00	5.27E+00	1.39E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Radium-228	1.12E+01	1.17E+01	3.65E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Ruthenium-103	2.10E+00	4.02E+00	1.33E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Ruthenium-106	-2.74E+01	2.05E+01	6.08E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Selenium-75	1.92E+00	3.03E+00	1.05E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Silver-108m	-1.17E+00	1.99E+00	6.13E+00	pCi/kg	U

Table 12: Complete REMP Results – Fish (pCi/m³)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
TRM 485/2160	599894001	10/5/2022	Silver-110m	5.37E+00	3.93E+00	1.42E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Tellurium-132	5.13E+03	4.01E+03	0.00E+00	pCi/kg	UI
TRM 485/2160	599894001	10/5/2022	Thallium-208	5.05E+00	3.38E+00	6.88E+00	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Thorium-228	7.46E+00	4.07E+00	1.46E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Thorium-230	-7.58E+00	5.27E+00	1.39E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Thorium-232	1.12E+01	1.17E+01	3.65E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Thorium-234	1.45E+02	2.06E+02	3.80E+02	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Uranium-234	-7.58E+00	5.27E+00	1.39E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Zinc-65	-1.65E+01	8.46E+00	2.13E+01	pCi/kg	U
TRM 485/2160	599894001	10/5/2022	Zirconium-95	-1.20E+01	6.96E+00	1.96E+01	pCi/kg	U

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2163.1	583532001	6/17/2022	Actinium-228	-1.38E+01	1.98E+01	4.75E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Americium-241	8.62E+00	1.42E+01	4.83E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Antimony-124	6.54E+00	7.17E+00	2.58E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Antimony-125	1.66E+00	6.68E+00	2.24E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Barium-140	1.68E+01	1.79E+01	6.09E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Beryllium-7	5.12E+01	2.49E+01	8.83E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Bismuth-214	-6.79E+00	8.93E+00	2.31E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Cerium-141	4.79E+00	4.50E+00	1.38E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Cerium-144	1.86E+01	1.40E+01	4.68E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Cesium-134	-3.18E-03	4.28E+00	1.09E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Cesium-137	5.70E+00	2.94E+00	1.03E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Chromium-51	3.50E+01	2.67E+01	9.38E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Cobalt-57	5.20E+00	1.85E+00	6.45E+00	pCi/kg	U
2163.1	583532001	6/17/2022	Cobalt-58	-6.01E+00	2.82E+00	8.58E+00	pCi/kg	U
2163.1	583532001	6/17/2022	Cobalt-60	-5.22E-01	3.12E+00	1.00E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Iodine-131	9.97E+00	7.97E+00	2.53E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Iron-59	1.15E+01	7.22E+00	2.58E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Lanthanum-140	-1.77E+00	6.15E+00	1.92E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Lead-210	8.18E+02	4.40E+02	1.56E+03	pCi/kg	U
2163.1	583532001	6/17/2022	Lead-212	-1.19E+01	6.74E+00	1.59E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Lead-214	-1.27E+01	8.74E+00	1.97E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Manganese-54	3.44E+00	2.81E+00	1.00E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Molybdenum-99	1.60E+02	6.24E+02	1.92E+03	pCi/kg	U
2163.1	583532001	6/17/2022	Niobium-95	4.47E-01	3.09E+00	9.88E+00	pCi/kg	U
2163.1	583532001	6/17/2022	Potassium-40	3.82E+03	1.34E+02	9.09E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Radium-226	-6.79E+00	8.93E+00	2.31E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Radium-228	-1.38E+01	1.98E+01	4.75E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Ruthenium-103	6.54E+00	4.10E+00	9.90E+00	pCi/kg	U
2163.1	583532001	6/17/2022	Ruthenium-106	-2.59E+01	2.44E+01	7.46E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2163.1	583532001	6/17/2022	Selenium-75	5.19E+00	3.13E+00	1.12E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Silver-108m	-3.97E-02	2.35E+00	6.97E+00	pCi/kg	U
2163.1	583532001	6/17/2022	Silver-110m	-5.06E+00	4.27E+00	1.36E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Tellurium-132	-4.21E+01	4.43E+01	1.11E+02	pCi/kg	U
2163.1	583532001	6/17/2022	Thallium-208	-7.53E+00	4.89E+00	1.05E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Thorium-228	-1.19E+01	6.74E+00	1.59E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Thorium-230	-6.79E+00	8.92E+00	2.31E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Thorium-232	-1.38E+01	1.98E+01	4.75E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Thorium-234	-2.84E+02	1.81E+02	4.33E+02	pCi/kg	U
2163.1	583532001	6/17/2022	Uranium-234	-6.79E+00	8.92E+00	2.31E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Zinc-65	7.74E+00	7.13E+00	2.48E+01	pCi/kg	U
2163.1	583532001	6/17/2022	Zirconium-95	6.07E+00	5.66E+00	1.90E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Actinium-228	1.56E+00	2.56E+01	8.68E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Americium-241	6.88E+00	7.62E+00	2.47E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Antimony-124	1.03E+01	1.42E+01	5.04E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Antimony-125	3.51E+00	1.14E+01	3.86E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Barium-140	3.68E+00	2.55E+01	8.41E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Beryllium-7	3.73E+02	9.12E+01	1.41E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Bismuth-214	-1.46E+01	1.37E+01	4.10E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Cerium-141	1.39E+01	1.19E+01	1.89E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Cerium-144	4.04E+01	3.00E+01	7.56E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Cesium-134	3.02E-01	6.12E+00	1.95E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Cesium-137	1.01E+01	7.06E+00	2.51E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Chromium-51	3.33E+01	3.86E+01	1.37E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Cobalt-57	-2.56E+00	3.59E+00	1.01E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Cobalt-58	4.17E+00	5.72E+00	2.06E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Cobalt-60	-1.55E+00	6.56E+00	2.08E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Iodine-131	-5.59E+00	6.12E+00	1.94E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Iron-59	-1.90E+01	1.84E+01	3.63E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Lanthanum-140	-1.06E+00	7.29E+00	2.29E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Lead-210	6.29E+01	1.96E+02	2.37E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Lead-212	1.64E+01	1.34E+01	3.40E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Lead-214	1.65E+01	1.10E+01	4.00E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Manganese-54	-9.27E-01	6.07E+00	2.04E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Molybdenum-99	-2.08E+02	8.85E+01	2.06E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Niobium-95	1.66E+01	5.95E+00	2.30E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Potassium-40	1.68E+03	2.16E+02	2.27E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Radium-226	-1.46E+01	1.37E+01	4.10E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Radium-228	1.56E+00	2.56E+01	8.68E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Ruthenium-103	-2.35E-01	5.27E+00	1.73E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Ruthenium-106	-4.66E+01	6.24E+01	1.70E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Selenium-75	1.94E+00	5.34E+00	1.86E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Silver-108m	-3.52E+00	4.70E+00	1.48E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Silver-110m	9.06E-01	8.22E+00	2.80E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Tellurium-132	1.14E+00	6.66E+00	2.10E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Thallium-208	1.13E+01	1.11E+01	1.78E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2163.2	587160002	7/26/2022	Thorium-228	1.64E+01	1.34E+01	3.40E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Thorium-230	-1.46E+01	1.37E+01	4.10E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Thorium-232	1.56E+00	2.56E+01	8.68E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Thorium-234	4.76E+01	1.96E+02	2.56E+02	pCi/kg	U
2163.2	587160002	7/26/2022	Uranium-234	-1.46E+01	1.37E+01	4.10E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Zinc-65	-3.67E+01	1.37E+01	3.18E+01	pCi/kg	U
2163.2	587160002	7/26/2022	Zirconium-95	3.17E+00	1.12E+01	3.28E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Actinium-228	5.08E+00	1.06E+01	3.52E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Americium-241	-3.57E+00	1.48E+01	4.60E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Antimony-124	2.78E+00	3.88E+00	1.43E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Antimony-125	-2.22E+00	5.16E+00	1.68E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Barium-140	-1.00E+01	8.42E+00	2.47E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Beryllium-7	-2.44E+01	1.53E+01	4.44E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Bismuth-214	-4.38E-01	4.99E+00	1.62E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Cerium-141	1.06E+00	3.07E+00	1.01E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Cerium-144	-2.83E+00	1.12E+01	3.61E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Cesium-134	-1.23E+00	2.08E+00	5.28E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Cesium-137	-2.41E+00	2.57E+00	6.63E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Chromium-51	7.58E+01	3.16E+01	4.76E+01	pCi/kg	UI
2163.3	584137002	7/13/2022	Cobalt-57	-5.67E-01	1.52E+00	4.88E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Cobalt-58	2.26E+00	2.13E+00	7.50E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Cobalt-60	-2.85E+00	2.37E+00	6.56E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Iodine-131	-1.73E+00	3.08E+00	1.01E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Iron-59	-6.28E+00	4.24E+00	1.18E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Lanthanum-140	-2.78E+00	3.37E+00	9.45E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Lead-210	-1.32E+03	6.48E+02	1.80E+03	pCi/kg	U
2163.3	584137002	7/13/2022	Lead-212	1.13E+00	6.05E+00	1.42E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Lead-214	-4.95E+00	5.05E+00	1.53E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Manganese-54	3.27E-01	2.74E+00	7.85E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Molybdenum-99	1.94E+01	4.90E+01	1.27E+02	pCi/kg	U
2163.3	584137002	7/13/2022	Niobium-95	-7.82E-01	2.38E+00	7.77E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Potassium-40	1.57E+03	1.17E+02	1.04E+02	pCi/kg	
2163.3	584137002	7/13/2022	Radium-226	-4.38E-01	4.99E+00	1.62E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Radium-228	5.08E+00	1.06E+01	3.52E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Ruthenium-103	-1.03E+00	1.56E+00	4.83E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Ruthenium-106	4.61E+01	1.75E+01	6.90E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Selenium-75	5.67E+00	2.30E+00	8.38E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Silver-108m	-1.16E+00	1.65E+00	5.27E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Silver-110m	1.66E+00	3.18E+00	1.06E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Tellurium-132	-2.14E+00	6.12E+00	1.89E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Thallium-208	-4.26E+00	2.22E+00	6.67E+00	pCi/kg	U
2163.3	584137002	7/13/2022	Thorium-228	1.13E+00	6.05E+00	1.42E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Thorium-230	-4.38E-01	4.99E+00	1.62E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Thorium-232	5.08E+00	1.06E+01	3.52E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Thorium-234	1.37E+02	1.85E+02	3.77E+02	pCi/kg	U
2163.3	584137002	7/13/2022	Uranium-234	-4.38E-01	4.99E+00	1.62E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2163.3	584137002	7/13/2022	Zinc-65	2.27E+00	5.01E+00	1.74E+01	pCi/kg	U
2163.3	584137002	7/13/2022	Zirconium-95	-2.07E+00	4.08E+00	1.08E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Actinium-228	-3.17E+01	1.34E+01	3.28E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Americium-241	-8.43E+00	9.22E+00	2.69E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Antimony-124	5.77E+00	5.15E+00	1.95E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Antimony-125	-2.64E+00	5.07E+00	1.64E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Barium-140	-7.13E+00	9.67E+00	3.03E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Beryllium-7	-1.42E+01	1.59E+01	4.96E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Bismuth-214	3.60E+00	5.68E+00	1.83E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Cerium-141	-3.60E+00	3.01E+00	9.08E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Cerium-144	2.36E+00	1.06E+01	3.46E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Cesium-134	7.39E+00	3.04E+00	1.15E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Cesium-137	-1.71E+00	2.38E+00	7.35E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Chromium-51	8.47E-01	1.62E+01	5.55E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Cobalt-57	-1.19E+00	1.42E+00	4.39E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Cobalt-58	-1.59E+00	2.01E+00	5.91E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Cobalt-60	-7.71E-01	2.63E+00	8.53E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Iodine-131	-1.82E+00	3.21E+00	1.05E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Iron-59	2.72E+00	4.39E+00	1.57E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Lanthanum-140	-9.13E-01	2.43E+00	7.41E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Lead-210	5.41E+01	1.91E+02	6.09E+02	pCi/kg	U
2163.4	584137004	7/13/2022	Lead-212	-5.76E+00	3.69E+00	1.09E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Lead-214	-7.26E+00	5.38E+00	1.69E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Manganese-54	1.91E-01	2.13E+00	6.91E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Molybdenum-99	5.26E+01	7.00E+01	2.43E+02	pCi/kg	U
2163.4	584137004	7/13/2022	Niobium-95	-2.18E+00	2.25E+00	6.66E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Potassium-40	4.22E+03	1.58E+02	8.50E+01	pCi/kg	
2163.4	584137004	7/13/2022	Radium-226	3.60E+00	5.68E+00	1.83E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Radium-228	-3.17E+01	1.34E+01	3.28E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Ruthenium-103	-5.89E-01	1.95E+00	6.37E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Ruthenium-106	1.66E+01	2.07E+01	7.17E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Selenium-75	-2.60E+00	2.45E+00	7.06E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Silver-108m	-3.01E+00	1.71E+00	5.06E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Silver-110m	-1.56E+00	2.85E+00	8.59E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Tellurium-132	-3.31E+00	6.35E+00	1.76E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Thallium-208	-2.47E+00	2.53E+00	7.18E+00	pCi/kg	U
2163.4	584137004	7/13/2022	Thorium-228	-5.76E+00	3.69E+00	1.09E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Thorium-230	3.60E+00	5.68E+00	1.83E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Thorium-232	-3.17E+01	1.34E+01	3.28E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Thorium-234	6.32E+01	1.37E+02	2.28E+02	pCi/kg	U
2163.4	584137004	7/13/2022	Uranium-234	3.60E+00	5.68E+00	1.83E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Zinc-65	-5.48E+00	5.87E+00	1.77E+01	pCi/kg	U
2163.4	584137004	7/13/2022	Zirconium-95	-5.57E+00	3.83E+00	1.06E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Actinium-228	1.95E+01	2.76E+01	6.01E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Americium-241	-5.06E+00	2.27E+01	7.59E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Antimony-124	5.62E+00	7.83E+00	2.83E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2163.5	586735002	7/19/2022	Antimony-125	5.09E+00	8.04E+00	2.82E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Barium-140	-2.38E+01	1.10E+01	2.78E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Beryllium-7	1.39E+01	2.34E+01	8.16E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Bismuth-214	-3.07E-01	7.95E+00	2.60E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Cerium-141	-1.10E+00	4.27E+00	1.37E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Cerium-144	-1.66E+01	1.90E+01	5.90E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Cesium-134	-4.47E-02	3.89E+00	1.10E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Cesium-137	-3.43E+00	3.72E+00	1.10E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Chromium-51	-5.62E+00	2.22E+01	7.44E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Cobalt-57	-1.91E+00	2.75E+00	8.70E+00	pCi/kg	U
2163.5	586735002	7/19/2022	Cobalt-58	-1.14E+00	2.79E+00	8.40E+00	pCi/kg	U
2163.5	586735002	7/19/2022	Cobalt-60	2.53E+00	4.13E+00	1.46E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Iodine-131	-1.59E+00	3.50E+00	1.15E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Iron-59	-4.22E+00	6.17E+00	1.89E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Lanthanum-140	-3.34E+00	4.07E+00	1.11E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Lead-210	-3.10E+03	1.19E+03	3.27E+03	pCi/kg	U
2163.5	586735002	7/19/2022	Lead-212	1.40E+01	1.19E+01	2.44E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Lead-214	1.07E+01	8.92E+00	3.03E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Manganese-54	-3.31E+00	4.04E+00	1.18E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Molybdenum-99	1.12E+02	5.09E+01	1.95E+02	pCi/kg	U
2163.5	586735002	7/19/2022	Niobium-95	-3.74E+00	3.98E+00	1.24E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Potassium-40	1.21E+03	1.29E+02	8.41E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Radium-226	-3.07E-01	7.95E+00	2.60E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Radium-228	1.95E+01	2.76E+01	6.01E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Ruthenium-103	1.96E+00	2.67E+00	9.42E+00	pCi/kg	U
2163.5	586735002	7/19/2022	Ruthenium-106	-1.35E+01	3.03E+01	9.47E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Selenium-75	-1.06E+00	4.27E+00	1.31E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Silver-108m	7.65E-01	2.97E+00	1.01E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Silver-110m	-2.10E+00	4.65E+00	1.39E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Tellurium-132	1.98E+00	4.47E+00	1.45E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Thallium-208	2.34E+00	3.69E+00	1.35E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Thorium-228	1.40E+01	1.19E+01	2.44E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Thorium-230	-3.07E-01	7.95E+00	2.60E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Thorium-232	1.95E+01	2.76E+01	6.01E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Thorium-234	-2.43E+02	2.39E+02	6.74E+02	pCi/kg	U
2163.5	586735002	7/19/2022	Uranium-234	-3.07E-01	7.95E+00	2.60E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Zinc-65	-9.47E+00	9.20E+00	2.28E+01	pCi/kg	U
2163.5	586735002	7/19/2022	Zirconium-95	-2.90E+00	6.06E+00	1.84E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Actinium-228	-6.18E+00	1.72E+01	5.33E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Americium-241	-2.23E+01	1.93E+01	5.80E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Antimony-124	-4.74E+00	7.00E+00	2.03E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Antimony-125	-2.31E+00	8.42E+00	2.74E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Barium-140	2.90E-01	1.40E+01	4.58E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Beryllium-7	1.13E+01	2.66E+01	9.03E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Bismuth-214	-2.17E+00	1.10E+01	3.20E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Cerium-141	-8.37E+00	4.81E+00	1.43E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2163.6	586735001	7/19/2022	Cerium-144	2.11E+01	1.94E+01	6.71E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Cesium-134	-6.42E-01	4.00E+00	1.33E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Cesium-137	-4.19E-01	4.99E+00	1.45E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Chromium-51	-2.46E+01	2.66E+01	8.57E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Cobalt-57	2.19E+00	2.42E+00	8.35E+00	pCi/kg	U
2163.6	586735001	7/19/2022	Cobalt-58	-2.72E+00	3.16E+00	9.75E+00	pCi/kg	U
2163.6	586735001	7/19/2022	Cobalt-60	2.82E+00	4.54E+00	1.56E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Iodine-131	6.37E-02	4.14E+00	1.39E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Iron-59	2.09E+00	6.81E+00	2.30E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Lanthanum-140	4.53E+00	4.00E+00	1.56E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Lead-210	-7.20E+02	5.43E+02	1.70E+03	pCi/kg	U
2163.6	586735001	7/19/2022	Lead-212	7.16E+00	9.65E+00	2.49E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Lead-214	3.69E-01	9.24E+00	2.95E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Manganese-54	1.95E+00	3.85E+00	1.34E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Molybdenum-99	-3.71E+01	4.90E+01	1.56E+02	pCi/kg	U
2163.6	586735001	7/19/2022	Niobium-95	-1.43E+00	3.37E+00	1.10E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Potassium-40	1.75E+03	1.38E+02	1.32E+02	pCi/kg	U
2163.6	586735001	7/19/2022	Radium-226	-2.17E+00	1.10E+01	3.20E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Radium-228	-6.18E+00	1.72E+01	5.33E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Ruthenium-103	-1.48E+00	3.44E+00	1.09E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Ruthenium-106	1.23E+00	3.57E+01	1.15E+02	pCi/kg	U
2163.6	586735001	7/19/2022	Selenium-75	-1.70E+00	4.59E+00	1.39E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Silver-108m	8.35E-01	2.81E+00	9.51E+00	pCi/kg	U
2163.6	586735001	7/19/2022	Silver-110m	-5.93E+00	4.90E+00	1.40E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Tellurium-132	8.91E+00	4.76E+00	1.66E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Thallium-208	-8.96E+00	4.45E+00	1.23E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Thorium-228	7.16E+00	9.65E+00	2.49E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Thorium-230	-2.17E+00	1.10E+01	3.20E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Thorium-232	-6.18E+00	1.72E+01	5.33E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Thorium-234	1.57E+02	3.26E+02	4.73E+02	pCi/kg	U
2163.6	586735001	7/19/2022	Uranium-234	-2.17E+00	1.10E+01	3.20E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Zinc-65	8.15E-01	1.06E+01	3.48E+01	pCi/kg	U
2163.6	586735001	7/19/2022	Zirconium-95	9.98E+00	6.04E+00	2.31E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Actinium-228	2.37E+01	2.88E+01	5.11E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Americium-241	1.90E+01	2.29E+01	7.95E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Antimony-124	1.98E+00	6.88E+00	2.36E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Antimony-125	3.78E+00	7.93E+00	2.68E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Barium-140	4.04E+01	2.06E+01	7.26E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Beryllium-7	1.60E+01	2.86E+01	9.62E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Bismuth-214	4.87E+00	1.48E+01	2.58E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Cerium-141	-6.51E+00	5.25E+00	1.64E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Cerium-144	5.64E-01	1.69E+01	5.51E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Cesium-134	2.85E+00	3.42E+00	1.20E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Cesium-137	9.43E-01	3.17E+00	1.03E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Chromium-51	3.33E+01	3.00E+01	1.05E+02	pCi/kg	U
2167.1	583532002	6/17/2022	Cobalt-57	1.72E+00	2.36E+00	7.88E+00	pCi/kg	U

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2167.1	583532002	6/17/2022	Cobalt-58	2.49E+00	2.93E+00	1.03E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Cobalt-60	-5.08E+00	3.91E+00	1.16E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Iodine-131	1.01E+01	7.87E+00	2.76E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Iron-59	-1.98E-01	6.93E+00	2.28E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Lanthanum-140	5.63E+00	6.22E+00	2.24E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Lead-210	2.68E+03	1.49E+03	3.31E+03	pCi/kg	U
2167.1	583532002	6/17/2022	Lead-212	1.45E+01	1.02E+01	2.13E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Lead-214	-6.10E+00	1.06E+01	2.38E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Manganese-54	1.09E+00	2.96E+00	1.02E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Molybdenum-99	-1.03E+03	5.68E+02	1.61E+03	pCi/kg	U
2167.1	583532002	6/17/2022	Niobium-95	-1.78E+00	3.39E+00	1.13E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Potassium-40	3.93E+03	1.59E+02	1.05E+02	pCi/kg	U
2167.1	583532002	6/17/2022	Radium-226	4.87E+00	1.48E+01	2.58E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Radium-228	2.37E+01	2.88E+01	5.11E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Ruthenium-103	-2.93E+00	3.37E+00	1.07E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Ruthenium-106	1.13E+01	2.95E+01	9.67E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Selenium-75	9.88E+00	4.99E+00	1.31E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Silver-108m	-2.66E+00	2.53E+00	8.08E+00	pCi/kg	U
2167.1	583532002	6/17/2022	Silver-110m	-2.22E+00	4.11E+00	1.35E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Tellurium-132	3.46E+01	3.84E+01	1.24E+02	pCi/kg	U
2167.1	583532002	6/17/2022	Thallium-208	-2.84E+00	5.59E+00	1.21E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Thorium-228	1.45E+01	1.02E+01	2.13E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Thorium-230	4.87E+00	1.48E+01	2.58E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Thorium-232	2.37E+01	2.88E+01	5.11E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Thorium-234	-5.85E+01	2.64E+02	7.03E+02	pCi/kg	U
2167.1	583532002	6/17/2022	Uranium-234	4.87E+00	1.48E+01	2.58E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Zinc-65	-4.77E+00	8.23E+00	2.63E+01	pCi/kg	U
2167.1	583532002	6/17/2022	Zirconium-95	1.89E+00	5.89E+00	1.90E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Actinium-228	1.05E+01	2.82E+01	8.72E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Americium-241	7.75E+00	5.49E+00	1.88E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Antimony-124	5.09E+00	1.13E+01	4.03E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Antimony-125	1.18E+01	1.28E+01	4.49E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Barium-140	5.16E+00	2.04E+01	6.80E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Beryllium-7	3.18E+01	4.38E+01	1.51E+02	pCi/kg	U
2167.2	587160001	7/26/2022	Bismuth-214	1.18E+01	1.42E+01	4.45E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Cerium-141	8.58E+00	5.41E+00	1.56E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Cerium-144	1.08E+01	1.63E+01	5.54E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Cesium-134	-8.37E+00	5.56E+00	1.64E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Cesium-137	4.06E+00	6.77E+00	2.15E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Chromium-51	8.65E+00	3.36E+01	1.16E+02	pCi/kg	U
2167.2	587160001	7/26/2022	Cobalt-57	-2.01E+00	2.49E+00	7.92E+00	pCi/kg	U
2167.2	587160001	7/26/2022	Cobalt-58	-7.37E+00	4.89E+00	1.43E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Cobalt-60	-5.56E+00	5.76E+00	1.61E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Iodine-131	1.81E+01	7.51E+00	1.98E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Iron-59	1.02E+01	1.19E+01	4.22E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Lanthanum-140	1.98E+00	8.44E+00	2.91E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2167.2	587160001	7/26/2022	Lead-210	2.41E+02	1.59E+02	1.46E+02	pCi/kg	UI
2167.2	587160001	7/26/2022	Lead-212	-6.87E+00	8.53E+00	2.48E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Lead-214	4.89E+00	1.42E+01	3.36E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Manganese-54	2.44E-01	5.48E+00	1.86E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Molybdenum-99	-8.62E+01	7.76E+01	2.16E+02	pCi/kg	U
2167.2	587160001	7/26/2022	Niobium-95	9.54E+00	5.82E+00	2.09E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Potassium-40	1.75E+03	1.88E+02	1.89E+02	pCi/kg	
2167.2	587160001	7/26/2022	Radium-226	1.18E+01	1.42E+01	4.45E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Radium-228	1.05E+01	2.82E+01	8.72E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Ruthenium-103	1.32E+00	4.59E+00	1.54E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Ruthenium-106	7.13E+01	4.79E+01	1.72E+02	pCi/kg	U
2167.2	587160001	7/26/2022	Selenium-75	-3.57E-01	4.94E+00	1.54E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Silver-108m	1.59E-01	4.28E+00	1.43E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Silver-110m	4.38E+00	8.93E+00	2.79E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Tellurium-132	-4.38E+00	6.17E+00	1.87E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Thallium-208	-1.03E+01	6.35E+00	1.73E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Thorium-228	-6.87E+00	8.53E+00	2.48E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Thorium-230	1.18E+01	1.42E+01	4.45E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Thorium-232	1.05E+01	2.82E+01	8.72E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Thorium-234	7.14E+01	1.31E+02	2.82E+02	pCi/kg	U
2167.2	587160001	7/26/2022	Uranium-234	1.18E+01	1.42E+01	4.45E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Zinc-65	-7.73E+00	1.51E+01	4.05E+01	pCi/kg	U
2167.2	587160001	7/26/2022	Zirconium-95	5.05E+00	9.22E+00	3.08E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Actinium-228	2.77E+01	1.22E+01	3.87E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Americium-241	-1.53E+01	1.83E+01	5.83E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Antimony-124	-1.74E+00	2.89E+00	7.61E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Antimony-125	2.80E+00	5.62E+00	1.95E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Barium-140	1.48E+00	9.33E+00	3.13E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Beryllium-7	-5.78E+00	1.50E+01	4.83E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Bismuth-214	8.49E-01	5.22E+00	1.73E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Cerium-141	-2.03E-02	3.38E+00	1.09E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Cerium-144	-1.11E+01	1.32E+01	4.10E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Cesium-134	5.68E+00	2.68E+00	1.02E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Cesium-137	3.87E+00	2.28E+00	8.47E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Chromium-51	1.25E+01	1.83E+01	6.48E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Cobalt-57	2.30E-01	1.64E+00	5.34E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Cobalt-58	4.95E+00	3.72E+00	6.06E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Cobalt-60	-1.84E+00	2.12E+00	6.16E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Iodine-131	-2.88E+00	3.48E+00	1.12E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Iron-59	-4.61E+00	5.28E+00	1.65E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Lanthanum-140	-2.95E-02	2.04E+00	6.68E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Lead-210	2.26E+02	8.95E+02	2.91E+03	pCi/kg	U
2167.3	584137001	7/13/2022	Lead-212	1.48E+01	8.11E+00	1.78E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Lead-214	-4.40E+00	5.62E+00	1.74E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Manganese-54	-3.98E+00	2.45E+00	6.60E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Molybdenum-99	-2.38E+01	6.88E+01	1.88E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2167.3	584137001	7/13/2022	Niobium-95	2.86E+00	2.31E+00	8.26E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Potassium-40	2.29E+03	1.34E+02	9.03E+01	pCi/kg	
2167.3	584137001	7/13/2022	Radium-226	8.49E-01	5.22E+00	1.73E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Radium-228	2.77E+01	1.22E+01	3.87E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Ruthenium-103	6.62E-01	1.95E+00	6.65E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Ruthenium-106	2.91E+01	1.78E+01	6.64E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Selenium-75	3.82E+00	2.88E+00	9.70E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Silver-108m	3.92E+00	1.88E+00	7.11E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Silver-110m	-3.58E-01	3.03E+00	8.45E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Tellurium-132	-8.29E-01	6.47E+00	2.02E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Thallium-208	-4.99E-02	2.80E+00	9.36E+00	pCi/kg	U
2167.3	584137001	7/13/2022	Thorium-228	1.48E+01	8.11E+00	1.78E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Thorium-230	8.49E-01	5.22E+00	1.73E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Thorium-232	2.77E+01	1.22E+01	3.87E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Thorium-234	2.76E+00	1.68E+02	5.46E+02	pCi/kg	U
2167.3	584137001	7/13/2022	Uranium-234	8.49E-01	5.22E+00	1.73E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Zinc-65	-7.14E+00	5.16E+00	1.50E+01	pCi/kg	U
2167.3	584137001	7/13/2022	Zirconium-95	-1.55E-01	3.59E+00	1.03E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Actinium-228	2.35E+01	1.38E+01	4.81E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Americium-241	1.28E+01	1.60E+01	5.57E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Antimony-124	7.59E+00	5.41E+00	2.29E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Antimony-125	-2.45E+00	8.19E+00	2.66E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Barium-140	-1.26E+01	1.42E+01	4.26E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Beryllium-7	-3.78E+01	2.71E+01	7.96E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Bismuth-214	-2.87E+00	7.82E+00	2.48E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Cerium-141	-1.21E+01	4.44E+00	1.20E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Cerium-144	-4.34E+00	1.62E+01	5.13E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Cesium-134	1.61E-01	3.71E+00	1.27E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Cesium-137	1.99E+00	3.10E+00	1.06E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Chromium-51	1.75E+00	2.63E+01	8.95E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Cobalt-57	1.35E+00	1.98E+00	6.66E+00	pCi/kg	U
2167.4	584137003	7/13/2022	Cobalt-58	1.60E-01	3.03E+00	1.03E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Cobalt-60	-3.71E+00	4.69E+00	1.40E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Iodine-131	2.97E+00	4.64E+00	1.62E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Iron-59	1.67E+01	7.54E+00	3.07E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Lanthanum-140	3.59E+00	5.74E+00	2.00E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Lead-210	-3.64E+01	4.97E+02	1.67E+03	pCi/kg	U
2167.4	584137003	7/13/2022	Lead-212	3.06E+00	8.21E+00	1.63E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Lead-214	8.72E-01	6.89E+00	2.27E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Manganese-54	7.18E-01	3.33E+00	1.15E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Molybdenum-99	-8.25E+01	1.05E+02	3.03E+02	pCi/kg	U
2167.4	584137003	7/13/2022	Niobium-95	1.80E+00	3.28E+00	1.10E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Potassium-40	3.70E+03	1.90E+02	1.19E+02	pCi/kg	
2167.4	584137003	7/13/2022	Radium-226	-2.87E+00	7.82E+00	2.48E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Radium-228	2.35E+01	1.38E+01	4.81E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Ruthenium-103	1.12E-01	3.18E+00	1.05E+01	pCi/kg	U

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2167.4	584137003	7/13/2022	Ruthenium-106	-1.06E+01	2.85E+01	8.88E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Selenium-75	-3.28E+00	3.46E+00	1.13E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Silver-108m	-5.04E-01	2.41E+00	7.87E+00	pCi/kg	U
2167.4	584137003	7/13/2022	Silver-110m	-8.80E+00	4.26E+00	1.12E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Tellurium-132	-1.21E+01	9.57E+00	2.75E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Thallium-208	4.23E-01	3.84E+00	1.24E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Thorium-228	3.06E+00	8.21E+00	1.63E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Thorium-230	-2.87E+00	7.82E+00	2.48E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Thorium-232	2.35E+01	1.38E+01	4.81E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Thorium-234	6.53E+01	1.72E+02	3.42E+02	pCi/kg	U
2167.4	584137003	7/13/2022	Uranium-234	-2.87E+00	7.82E+00	2.48E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Zinc-65	1.05E+01	9.02E+00	2.61E+01	pCi/kg	U
2167.4	584137003	7/13/2022	Zirconium-95	-8.64E-01	6.06E+00	1.90E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Actinium-228	4.11E+01	2.09E+01	7.88E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Americium-241	2.21E+00	2.70E+01	9.31E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Antimony-124	5.25E+00	1.24E+01	4.37E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Antimony-125	8.03E+00	1.17E+01	3.96E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Barium-140	1.15E+01	1.54E+01	5.53E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Beryllium-7	5.29E+01	3.93E+01	1.38E+02	pCi/kg	U
2167.5	586735003	7/19/2022	Bismuth-214	-2.07E+00	9.90E+00	3.24E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Cerium-141	-3.46E+00	5.22E+00	1.61E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Cerium-144	3.44E-01	2.23E+01	7.22E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Cesium-134	-7.38E+00	5.55E+00	1.43E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Cesium-137	3.75E+00	5.32E+00	1.86E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Chromium-51	-5.25E+00	3.44E+01	1.13E+02	pCi/kg	U
2167.5	586735003	7/19/2022	Cobalt-57	1.72E+01	6.31E+00	7.71E+00	pCi/kg	UI
2167.5	586735003	7/19/2022	Cobalt-58	-3.07E+00	5.37E+00	1.66E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Cobalt-60	-1.24E+00	5.09E+00	1.60E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Iodine-131	-8.57E+00	4.48E+00	1.24E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Iron-59	9.38E+00	9.66E+00	3.52E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Lanthanum-140	1.10E+01	7.16E+00	2.81E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Lead-210	2.47E+03	1.28E+03	4.87E+03	pCi/kg	U
2167.5	586735003	7/19/2022	Lead-212	1.47E+01	1.44E+01	2.97E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Lead-214	-1.67E+01	1.01E+01	2.88E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Manganese-54	3.63E+00	5.36E+00	1.84E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Molybdenum-99	-2.48E+01	5.14E+01	1.59E+02	pCi/kg	U
2167.5	586735003	7/19/2022	Niobium-95	1.42E+01	5.72E+00	1.41E+01	pCi/kg	UI
2167.5	586735003	7/19/2022	Potassium-40	2.40E+03	1.91E+02	1.15E+02	pCi/kg	U
2167.5	586735003	7/19/2022	Radium-226	-2.07E+00	9.90E+00	3.24E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Radium-228	4.11E+01	2.09E+01	7.88E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Ruthenium-103	3.65E+00	4.21E+00	1.43E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Ruthenium-106	-1.22E+01	4.02E+01	1.31E+02	pCi/kg	U
2167.5	586735003	7/19/2022	Selenium-75	1.34E+00	5.17E+00	1.77E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Silver-108m	-3.92E+00	3.69E+00	1.08E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Silver-110m	2.71E+01	7.97E+00	2.55E+01	pCi/kg	UI
2167.5	586735003	7/19/2022	Tellurium-132	-3.13E+00	4.39E+00	1.44E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 13: Complete REMP Results – Food Products (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2167.5	586735003	7/19/2022	Thallium-208	-2.02E+00	5.78E+00	1.74E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Thorium-228	1.47E+01	1.44E+01	2.97E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Thorium-230	-2.07E+00	9.90E+00	3.24E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Thorium-232	4.11E+01	2.09E+01	7.88E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Thorium-234	5.27E+01	2.47E+02	8.17E+02	pCi/kg	U
2167.5	586735003	7/19/2022	Uranium-234	-2.07E+00	9.90E+00	3.24E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Zinc-65	-5.86E+00	1.19E+01	3.16E+01	pCi/kg	U
2167.5	586735003	7/19/2022	Zirconium-95	3.08E+00	6.49E+00	2.24E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Actinium-228	-1.11E+01	2.45E+01	7.77E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Americium-241	-6.51E-01	6.31E+00	1.93E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Antimony-124	-5.26E-01	5.59E+00	1.72E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Antimony-125	1.00E+00	1.08E+01	3.62E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Barium-140	-1.59E+01	1.56E+01	4.57E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Beryllium-7	2.06E+01	3.72E+01	1.28E+02	pCi/kg	U
2167.6	586735004	7/19/2022	Bismuth-214	-2.99E+01	1.39E+01	3.02E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Cerium-141	-3.20E+00	4.95E+00	1.52E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Cerium-144	9.42E+00	1.65E+01	5.51E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Cesium-134	-8.84E-01	5.63E+00	1.54E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Cesium-137	7.17E-01	5.01E+00	1.64E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Chromium-51	-3.10E+01	3.11E+01	9.83E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Cobalt-57	-1.72E-01	2.44E+00	7.82E+00	pCi/kg	U
2167.6	586735004	7/19/2022	Cobalt-58	-1.66E+00	5.02E+00	1.66E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Cobalt-60	-3.66E-01	5.94E+00	1.68E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Iodine-131	-3.88E-01	4.16E+00	1.39E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Iron-59	6.75E+00	9.98E+00	3.55E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Lanthanum-140	3.09E+00	4.87E+00	1.77E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Lead-210	7.84E+01	1.06E+02	1.90E+02	pCi/kg	U
2167.6	586735004	7/19/2022	Lead-212	6.31E-01	1.29E+01	2.49E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Lead-214	1.29E+00	9.08E+00	2.83E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Manganese-54	-3.31E+00	4.60E+00	1.46E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Molybdenum-99	-2.93E+01	5.76E+01	1.72E+02	pCi/kg	U
2167.6	586735004	7/19/2022	Niobium-95	-5.57E+00	5.94E+00	1.55E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Potassium-40	1.26E+03	1.60E+02	1.39E+02	pCi/kg	U
2167.6	586735004	7/19/2022	Radium-226	-2.99E+01	1.39E+01	3.02E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Radium-228	-1.11E+01	2.45E+01	7.77E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Ruthenium-103	1.10E+00	4.07E+00	1.37E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Ruthenium-106	-2.92E+01	4.29E+01	1.30E+02	pCi/kg	U
2167.6	586735004	7/19/2022	Selenium-75	6.39E-01	4.28E+00	1.48E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Silver-108m	-1.62E+00	3.81E+00	1.22E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Silver-110m	4.10E-01	6.06E+00	2.06E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Tellurium-132	7.91E+00	4.13E+00	1.48E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Thallium-208	2.76E+00	5.51E+00	1.94E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Thorium-228	6.31E-01	1.29E+01	2.49E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Thorium-230	-2.99E+01	1.39E+01	3.02E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Thorium-232	-1.11E+01	2.45E+01	7.77E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Thorium-234	2.18E+02	1.35E+02	1.80E+02	pCi/kg	UI

Table 13: Complete REMP Results – Food Products (pCi/kg)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2167.6	586735004	7/19/2022	Uranium-234	-2.99E+01	1.39E+01	3.02E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Zinc-65	7.06E-02	1.02E+01	3.37E+01	pCi/kg	U
2167.6	586735004	7/19/2022	Zirconium-95	4.49E+00	6.84E+00	2.37E+01	pCi/kg	U

Table 14: Complete REMP Results –Surface Water (pCi/L)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2153	568221001	1/25/2022	Actinium-228	-5.05E-02	3.81E+00	1.23E+01	pCi/L	U
2153	571001001	2/23/2022	Actinium-228	1.72E+01	5.70E+00	1.66E+01	pCi/L	UI
2153	573810001	3/22/2022	Actinium-228	-2.15E+00	4.11E+00	1.19E+01	pCi/L	U
2153	580036001	5/17/2022	Actinium-228	-1.61E+01	7.63E+00	1.93E+01	pCi/L	U
2153	582789001	6/14/2022	Actinium-228	-2.04E+00	3.40E+00	6.65E+00	pCi/L	U
2153	585558001	7/12/2022	Actinium-228	-2.41E+00	3.06E+00	6.32E+00	pCi/L	U
2153	588823001	8/8/2022	Actinium-228	-5.26E+00	3.33E+00	6.88E+00	pCi/L	U
2153	592021001	9/7/2022	Actinium-228	9.13E+00	7.23E+00	1.38E+01	pCi/L	U
2153	594993001	10/4/2022	Actinium-228	2.95E+00	4.97E+00	7.19E+00	pCi/L	U
2153	598806001	11/1/2022	Actinium-228	-7.18E+00	7.79E+00	2.40E+01	pCi/L	U
2153	602119001	11/29/2022	Actinium-228	1.44E+01	5.63E+00	1.99E+01	pCi/L	U
2153	605323001	12/28/2022	Actinium-228	-4.23E+00	3.77E+00	8.61E+00	pCi/L	U
2153	568221001	1/25/2022	Americium-241	3.62E+00	2.38E+00	8.08E+00	pCi/L	U
2153	571001001	2/23/2022	Americium-241	1.98E+00	9.84E+00	3.11E+01	pCi/L	U
2153	573810001	3/22/2022	Americium-241	-6.12E-01	2.39E+00	7.98E+00	pCi/L	U
2153	580036001	5/17/2022	Americium-241	3.89E+00	1.15E+01	3.44E+01	pCi/L	U
2153	582789001	6/14/2022	Americium-241	1.05E+00	4.12E+00	1.20E+01	pCi/L	U
2153	585558001	7/12/2022	Americium-241	-3.45E+00	3.76E+00	1.26E+01	pCi/L	U
2153	588823001	8/8/2022	Americium-241	9.98E-01	2.57E+00	7.99E+00	pCi/L	U
2153	592021001	9/7/2022	Americium-241	-8.53E-01	3.49E+00	1.13E+01	pCi/L	U
2153	594993001	10/4/2022	Americium-241	-2.84E+00	5.29E+00	1.63E+01	pCi/L	U
2153	598806001	11/1/2022	Americium-241	2.31E+00	2.44E+00	8.71E+00	pCi/L	U
2153	602119001	11/29/2022	Americium-241	1.22E+01	1.18E+01	3.85E+01	pCi/L	U
2153	605323001	12/28/2022	Americium-241	7.48E+00	5.40E+00	1.78E+01	pCi/L	U
2153	568221001	1/25/2022	Antimony-124	-1.32E+00	2.01E+00	6.09E+00	pCi/L	U
2153	571001001	2/23/2022	Antimony-124	-2.46E+00	2.54E+00	7.32E+00	pCi/L	U
2153	573810001	3/22/2022	Antimony-124	7.28E-01	1.86E+00	6.55E+00	pCi/L	U
2153	580036001	5/17/2022	Antimony-124	3.63E+00	2.98E+00	1.16E+01	pCi/L	U
2153	582789001	6/14/2022	Antimony-124	-5.33E-01	1.13E+00	3.59E+00	pCi/L	U
2153	585558001	7/12/2022	Antimony-124	1.11E+00	1.39E+00	4.68E+00	pCi/L	U
2153	588823001	8/8/2022	Antimony-124	-5.48E-01	1.21E+00	3.77E+00	pCi/L	U
2153	592021001	9/7/2022	Antimony-124	-1.04E-01	2.10E+00	6.66E+00	pCi/L	U
2153	594993001	10/4/2022	Antimony-124	2.50E+00	1.35E+00	4.97E+00	pCi/L	U
2153	598806001	11/1/2022	Antimony-124	2.60E-01	3.54E+00	1.20E+01	pCi/L	U
2153	602119001	11/29/2022	Antimony-124	6.10E-01	3.36E+00	1.12E+01	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	605323001	12/28/2022	Antimony-124	-1.77E+00	1.36E+00	4.04E+00	pCi/L	U
2153	568221001	1/25/2022	Antimony-125	-2.56E+00	2.33E+00	6.80E+00	pCi/L	U
2153	571001001	2/23/2022	Antimony-125	2.95E+00	2.49E+00	8.88E+00	pCi/L	U
2153	573810001	3/22/2022	Antimony-125	4.15E-01	2.05E+00	7.07E+00	pCi/L	U
2153	580036001	5/17/2022	Antimony-125	5.30E+00	3.34E+00	1.20E+01	pCi/L	U
2153	582789001	6/14/2022	Antimony-125	5.33E-01	1.32E+00	3.92E+00	pCi/L	U
2153	585558001	7/12/2022	Antimony-125	7.15E-02	1.05E+00	3.52E+00	pCi/L	U
2153	588823001	8/8/2022	Antimony-125	1.32E+00	1.11E+00	3.84E+00	pCi/L	U
2153	592021001	9/7/2022	Antimony-125	-1.46E+00	3.00E+00	9.59E+00	pCi/L	U
2153	594993001	10/4/2022	Antimony-125	-8.09E-01	1.42E+00	4.70E+00	pCi/L	U
2153	598806001	11/1/2022	Antimony-125	-8.82E-01	3.98E+00	1.30E+01	pCi/L	U
2153	602119001	11/29/2022	Antimony-125	4.66E+00	3.81E+00	1.37E+01	pCi/L	U
2153	605323001	12/28/2022	Antimony-125	8.66E-01	1.39E+00	4.81E+00	pCi/L	U
2153	568221001	1/25/2022	Barium-140	2.83E-01	3.91E+00	1.34E+01	pCi/L	U
2153	571001001	2/23/2022	Barium-140	-6.76E+00	5.91E+00	1.82E+01	pCi/L	U
2153	573810001	3/22/2022	Barium-140	4.42E+00	7.71E+00	2.69E+01	pCi/L	U
2153	580036001	5/17/2022	Barium-140	-3.53E+00	7.44E+00	1.93E+01	pCi/L	U
2153	582789001	6/14/2022	Barium-140	1.73E+00	3.13E+00	1.04E+01	pCi/L	U
2153	585558001	7/12/2022	Barium-140	2.06E+00	7.12E+00	2.37E+01	pCi/L	U
2153	588823001	8/8/2022	Barium-140	-2.68E+00	3.38E+00	1.08E+01	pCi/L	U
2153	592021001	9/7/2022	Barium-140	-5.44E+00	6.15E+00	1.70E+01	pCi/L	U
2153	594993001	10/4/2022	Barium-140	1.76E+00	3.87E+00	1.31E+01	pCi/L	U
2153	598806001	11/1/2022	Barium-140	1.03E+01	8.66E+00	3.05E+01	pCi/L	U
2153	602119001	11/29/2022	Barium-140	-3.54E+00	6.72E+00	2.15E+01	pCi/L	U
2153	605323001	12/28/2022	Barium-140	-7.61E-01	3.38E+00	1.12E+01	pCi/L	U
2153	568221001	1/25/2022	Beryllium-7	-2.48E+00	6.60E+00	2.22E+01	pCi/L	U
2153	571001001	2/23/2022	Beryllium-7	2.32E+00	8.44E+00	2.87E+01	pCi/L	U
2153	573810001	3/22/2022	Beryllium-7	4.76E+00	8.39E+00	2.82E+01	pCi/L	U
2153	580036001	5/17/2022	Beryllium-7	7.83E+01	2.28E+01	3.01E+01	pCi/L	UI
2153	582789001	6/14/2022	Beryllium-7	8.65E-01	4.20E+00	1.38E+01	pCi/L	U
2153	585558001	7/12/2022	Beryllium-7	-4.70E+00	4.44E+00	1.43E+01	pCi/L	U
2153	588823001	8/8/2022	Beryllium-7	2.44E+00	4.16E+00	1.41E+01	pCi/L	U
2153	592021001	9/7/2022	Beryllium-7	7.12E+00	9.73E+00	3.34E+01	pCi/L	U
2153	594993001	10/4/2022	Beryllium-7	7.11E+00	4.69E+00	1.65E+01	pCi/L	U
2153	598806001	11/1/2022	Beryllium-7	1.85E+01	1.19E+01	4.48E+01	pCi/L	U
2153	602119001	11/29/2022	Beryllium-7	-2.56E+00	1.15E+01	3.81E+01	pCi/L	U
2153	605323001	12/28/2022	Beryllium-7	-4.90E-01	4.73E+00	1.59E+01	pCi/L	U
2153	568221001	1/25/2022	Bismuth-214	2.06E+00	3.45E+00	5.22E+00	pCi/L	U
2153	571001001	2/23/2022	Bismuth-214	1.19E+00	4.02E+00	5.98E+00	pCi/L	U
2153	573810001	3/22/2022	Bismuth-214	5.44E+00	3.53E+00	7.89E+00	pCi/L	U
2153	580036001	5/17/2022	Bismuth-214	7.61E+00	3.40E+00	1.04E+01	pCi/L	U
2153	582789001	6/14/2022	Bismuth-214	5.09E+00	2.88E+00	2.75E+00	pCi/L	UI
2153	585558001	7/12/2022	Bismuth-214	-3.74E+00	2.09E+00	3.34E+00	pCi/L	U
2153	588823001	8/8/2022	Bismuth-214	2.40E+00	1.98E+00	3.02E+00	pCi/L	U
2153	592021001	9/7/2022	Bismuth-214	7.53E+00	4.26E+00	7.10E+00	pCi/L	UI
2153	594993001	10/4/2022	Bismuth-214	2.90E+00	2.65E+00	4.71E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	598806001	11/1/2022	Bismuth-214	7.29E+00	5.73E+00	1.55E+01	pCi/L	U
2153	602119001	11/29/2022	Bismuth-214	9.22E+00	4.64E+00	1.18E+01	pCi/L	U
2153	605323001	12/28/2022	Bismuth-214	-1.29E+00	2.13E+00	4.73E+00	pCi/L	U
2153	568221001	1/25/2022	Cerium-141	-3.15E-01	1.38E+00	4.56E+00	pCi/L	U
2153	571001001	2/23/2022	Cerium-141	-3.68E+00	2.01E+00	6.11E+00	pCi/L	U
2153	573810001	3/22/2022	Cerium-141	-3.94E+00	2.24E+00	5.76E+00	pCi/L	U
2153	580036001	5/17/2022	Cerium-141	-7.93E+00	2.79E+00	7.84E+00	pCi/L	U
2153	582789001	6/14/2022	Cerium-141	-5.72E+00	1.81E+00	3.19E+00	pCi/L	U
2153	585558001	7/12/2022	Cerium-141	-3.75E+00	1.28E+00	3.93E+00	pCi/L	U
2153	588823001	8/8/2022	Cerium-141	-2.28E-01	9.83E-01	2.88E+00	pCi/L	U
2153	592021001	9/7/2022	Cerium-141	-8.96E-01	1.88E+00	5.79E+00	pCi/L	U
2153	594993001	10/4/2022	Cerium-141	-1.17E+00	1.18E+00	3.75E+00	pCi/L	U
2153	598806001	11/1/2022	Cerium-141	-4.75E+00	2.60E+00	7.44E+00	pCi/L	U
2153	602119001	11/29/2022	Cerium-141	1.24E+00	2.72E+00	9.21E+00	pCi/L	U
2153	605323001	12/28/2022	Cerium-141	-5.56E+00	2.13E+00	3.56E+00	pCi/L	U
2153	568221001	1/25/2022	Cerium-144	-7.49E+00	4.98E+00	1.58E+01	pCi/L	U
2153	571001001	2/23/2022	Cerium-144	3.84E+00	6.21E+00	2.07E+01	pCi/L	U
2153	573810001	3/22/2022	Cerium-144	-4.81E+00	5.48E+00	1.73E+01	pCi/L	U
2153	580036001	5/17/2022	Cerium-144	-6.63E-01	8.92E+00	3.04E+01	pCi/L	U
2153	582789001	6/14/2022	Cerium-144	-2.42E+00	3.08E+00	1.04E+01	pCi/L	U
2153	585558001	7/12/2022	Cerium-144	-4.15E+00	2.86E+00	9.10E+00	pCi/L	U
2153	588823001	8/8/2022	Cerium-144	5.10E+00	2.93E+00	9.78E+00	pCi/L	U
2153	592021001	9/7/2022	Cerium-144	-5.63E+00	7.30E+00	2.18E+01	pCi/L	U
2153	594993001	10/4/2022	Cerium-144	-6.90E-01	3.72E+00	1.21E+01	pCi/L	U
2153	598806001	11/1/2022	Cerium-144	-3.00E+00	7.33E+00	2.36E+01	pCi/L	U
2153	602119001	11/29/2022	Cerium-144	1.03E+01	8.76E+00	3.06E+01	pCi/L	U
2153	605323001	12/28/2022	Cerium-144	-2.47E-01	3.54E+00	1.17E+01	pCi/L	U
2153	568221001	1/25/2022	Cesium-134	4.06E-01	7.59E-01	2.62E+00	pCi/L	U
2153	571001001	2/23/2022	Cesium-134	8.47E-02	1.02E+00	3.31E+00	pCi/L	U
2153	573810001	3/22/2022	Cesium-134	4.54E-01	8.66E-01	2.97E+00	pCi/L	U
2153	580036001	5/17/2022	Cesium-134	2.38E+00	1.04E+00	4.32E+00	pCi/L	U
2153	582789001	6/14/2022	Cesium-134	-3.17E-02	4.79E-01	1.52E+00	pCi/L	U
2153	585558001	7/12/2022	Cesium-134	4.81E-01	4.52E-01	1.51E+00	pCi/L	U
2153	588823001	8/8/2022	Cesium-134	4.86E-01	5.36E-01	1.61E+00	pCi/L	U
2153	592021001	9/7/2022	Cesium-134	-4.81E-01	1.23E+00	4.04E+00	pCi/L	U
2153	594993001	10/4/2022	Cesium-134	2.18E-01	5.82E-01	1.91E+00	pCi/L	U
2153	598806001	11/1/2022	Cesium-134	-2.92E+00	1.91E+00	4.42E+00	pCi/L	U
2153	602119001	11/29/2022	Cesium-134	2.70E+00	1.48E+00	5.34E+00	pCi/L	U
2153	605323001	12/28/2022	Cesium-134	-1.33E-01	6.01E-01	1.93E+00	pCi/L	U
2153	568221001	1/25/2022	Cesium-137	-1.42E-01	7.87E-01	2.61E+00	pCi/L	U
2153	571001001	2/23/2022	Cesium-137	1.22E-01	9.91E-01	3.27E+00	pCi/L	U
2153	573810001	3/22/2022	Cesium-137	1.55E-01	8.38E-01	2.82E+00	pCi/L	U
2153	580036001	5/17/2022	Cesium-137	4.89E-01	1.22E+00	4.23E+00	pCi/L	U
2153	582789001	6/14/2022	Cesium-137	2.34E-01	1.22E+00	2.94E+00	pCi/L	U
2153	585558001	7/12/2022	Cesium-137	-4.86E-01	4.20E-01	1.31E+00	pCi/L	U
2153	588823001	8/8/2022	Cesium-137	9.82E-01	4.91E-01	1.71E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2153	592021001	9/7/2022	Cesium-137	-6.53E-01	1.25E+00	3.61E+00	pCi/L	U
2153	594993001	10/4/2022	Cesium-137	1.18E+00	5.33E-01	1.90E+00	pCi/L	U
2153	598806001	11/1/2022	Cesium-137	1.16E+00	1.95E+00	6.38E+00	pCi/L	U
2153	602119001	11/29/2022	Cesium-137	2.28E+00	1.39E+00	5.13E+00	pCi/L	U
2153	605323001	12/28/2022	Cesium-137	-1.54E-01	5.11E-01	1.66E+00	pCi/L	U
2153	568221001	1/25/2022	Chromium-51	-5.69E+00	6.95E+00	2.12E+01	pCi/L	U
2153	571001001	2/23/2022	Chromium-51	-2.08E-01	9.13E+00	3.13E+01	pCi/L	U
2153	573810001	3/22/2022	Chromium-51	-6.38E+00	9.70E+00	2.91E+01	pCi/L	U
2153	580036001	5/17/2022	Chromium-51	6.17E+00	1.19E+01	4.03E+01	pCi/L	U
2153	582789001	6/14/2022	Chromium-51	-2.97E+00	5.01E+00	1.65E+01	pCi/L	U
2153	585558001	7/12/2022	Chromium-51	3.68E+00	6.54E+00	2.26E+01	pCi/L	U
2153	588823001	8/8/2022	Chromium-51	-2.20E+00	4.84E+00	1.62E+01	pCi/L	U
2153	592021001	9/7/2022	Chromium-51	-8.98E+00	1.04E+01	3.32E+01	pCi/L	U
2153	594993001	10/4/2022	Chromium-51	3.11E+00	5.84E+00	2.03E+01	pCi/L	U
2153	598806001	11/1/2022	Chromium-51	-9.63E+00	1.25E+01	4.03E+01	pCi/L	U
2153	602119001	11/29/2022	Chromium-51	4.69E+00	1.19E+01	3.92E+01	pCi/L	U
2153	605323001	12/28/2022	Chromium-51	-9.24E+00	6.00E+00	1.78E+01	pCi/L	U
2153	568221001	1/25/2022	Cobalt-57	-2.36E-01	6.90E-01	2.29E+00	pCi/L	U
2153	571001001	2/23/2022	Cobalt-57	-5.87E-01	8.51E-01	2.72E+00	pCi/L	U
2153	573810001	3/22/2022	Cobalt-57	-7.54E-01	6.32E-01	1.97E+00	pCi/L	U
2153	580036001	5/17/2022	Cobalt-57	1.38E-01	9.92E-01	3.43E+00	pCi/L	U
2153	582789001	6/14/2022	Cobalt-57	-2.42E-01	4.06E-01	1.38E+00	pCi/L	U
2153	585558001	7/12/2022	Cobalt-57	-2.65E-03	3.78E-01	1.24E+00	pCi/L	U
2153	588823001	8/8/2022	Cobalt-57	-6.32E-01	3.79E-01	1.18E+00	pCi/L	U
2153	592021001	9/7/2022	Cobalt-57	-1.13E+00	9.22E-01	2.77E+00	pCi/L	U
2153	594993001	10/4/2022	Cobalt-57	-7.25E-01	5.06E-01	1.61E+00	pCi/L	U
2153	598806001	11/1/2022	Cobalt-57	1.05E+00	9.63E-01	3.35E+00	pCi/L	U
2153	602119001	11/29/2022	Cobalt-57	1.25E+00	1.18E+00	4.12E+00	pCi/L	U
2153	605323001	12/28/2022	Cobalt-57	-1.44E-01	4.85E-01	1.60E+00	pCi/L	U
2153	568221001	1/25/2022	Cobalt-58	-8.18E-01	7.75E-01	2.36E+00	pCi/L	U
2153	571001001	2/23/2022	Cobalt-58	-7.26E-01	9.89E-01	3.00E+00	pCi/L	U
2153	573810001	3/22/2022	Cobalt-58	3.35E-02	7.41E-01	2.45E+00	pCi/L	U
2153	580036001	5/17/2022	Cobalt-58	-4.24E-01	1.59E+00	4.45E+00	pCi/L	U
2153	582789001	6/14/2022	Cobalt-58	-3.01E-01	4.51E-01	1.39E+00	pCi/L	U
2153	585558001	7/12/2022	Cobalt-58	8.30E-01	4.82E-01	1.65E+00	pCi/L	U
2153	588823001	8/8/2022	Cobalt-58	4.05E-02	5.13E-01	1.64E+00	pCi/L	U
2153	592021001	9/7/2022	Cobalt-58	-5.32E-01	1.17E+00	3.84E+00	pCi/L	U
2153	594993001	10/4/2022	Cobalt-58	1.22E-01	5.71E-01	1.86E+00	pCi/L	U
2153	598806001	11/1/2022	Cobalt-58	-1.73E+00	1.34E+00	3.72E+00	pCi/L	U
2153	602119001	11/29/2022	Cobalt-58	7.40E-01	1.43E+00	4.85E+00	pCi/L	U
2153	605323001	12/28/2022	Cobalt-58	3.41E-01	5.24E-01	1.75E+00	pCi/L	U
2153	568221001	1/25/2022	Cobalt-60	1.25E+00	7.30E-01	2.54E+00	pCi/L	U
2153	571001001	2/23/2022	Cobalt-60	-9.37E-01	8.15E-01	2.33E+00	pCi/L	U
2153	573810001	3/22/2022	Cobalt-60	1.90E-01	8.12E-01	2.82E+00	pCi/L	U
2153	580036001	5/17/2022	Cobalt-60	-2.35E-01	8.95E-01	2.86E+00	pCi/L	U
2153	582789001	6/14/2022	Cobalt-60	6.90E-01	4.89E-01	1.73E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	585558001	7/12/2022	Cobalt-60	-1.33E-01	4.44E-01	1.44E+00	pCi/L	U
2153	588823001	8/8/2022	Cobalt-60	3.76E-01	4.82E-01	1.66E+00	pCi/L	U
2153	592021001	9/7/2022	Cobalt-60	8.47E-01	1.02E+00	3.67E+00	pCi/L	U
2153	594993001	10/4/2022	Cobalt-60	2.47E-01	5.47E-01	1.87E+00	pCi/L	U
2153	598806001	11/1/2022	Cobalt-60	5.89E+00	1.76E+00	8.21E+00	pCi/L	U
2153	602119001	11/29/2022	Cobalt-60	-3.94E-01	9.72E-01	2.99E+00	pCi/L	U
2153	605323001	12/28/2022	Cobalt-60	-3.57E-01	5.83E-01	1.88E+00	pCi/L	U
2153	568221001	1/25/2022	Iodine-131	-2.50E+00	1.40E+00	3.97E+00	pCi/L	U
2153	571001001	2/23/2022	Iodine-131	-1.42E+00	2.41E+00	7.98E+00	pCi/L	U
2153	573810001	3/22/2022	Iodine-131	2.51E+00	3.86E+00	1.26E+01	pCi/L	U
2153	580036001	5/17/2022	Iodine-131	7.24E-01	2.48E+00	8.21E+00	pCi/L	U
2153	582789001	6/14/2022	Iodine-131	-8.09E-01	1.50E+00	4.89E+00	pCi/L	U
2153	585558001	7/12/2022	Iodine-131	3.44E+00	5.40E+00	1.86E+01	pCi/L	U
2153	588823001	8/8/2022	Iodine-131	-6.58E-01	1.51E+00	5.03E+00	pCi/L	U
2153	592021001	9/7/2022	Iodine-131	-2.10E-02	2.04E+00	6.78E+00	pCi/L	U
2153	594993001	10/4/2022	Iodine-131	-1.48E-01	1.76E+00	5.99E+00	pCi/L	U
2153	598806001	11/1/2022	Iodine-131	-9.83E-01	2.68E+00	8.78E+00	pCi/L	U
2153	602119001	11/29/2022	Iodine-131	-1.71E+00	2.75E+00	8.35E+00	pCi/L	U
2153	605323001	12/28/2022	Iodine-131	1.00E+00	1.44E+00	5.04E+00	pCi/L	U
2153	568221001	1/25/2022	Iron-59	2.57E+00	2.22E+00	5.48E+00	pCi/L	U
2153	571001001	2/23/2022	Iron-59	-5.16E-01	1.80E+00	5.93E+00	pCi/L	U
2153	573810001	3/22/2022	Iron-59	2.28E+00	1.48E+00	5.46E+00	pCi/L	U
2153	580036001	5/17/2022	Iron-59	8.08E+00	2.21E+00	1.03E+01	pCi/L	U
2153	582789001	6/14/2022	Iron-59	8.27E-01	9.05E-01	3.16E+00	pCi/L	U
2153	585558001	7/12/2022	Iron-59	1.46E+00	1.49E+00	4.60E+00	pCi/L	U
2153	588823001	8/8/2022	Iron-59	2.69E-01	1.04E+00	3.53E+00	pCi/L	U
2153	592021001	9/7/2022	Iron-59	1.23E+00	2.16E+00	7.54E+00	pCi/L	U
2153	594993001	10/4/2022	Iron-59	-3.63E+00	1.21E+00	3.50E+00	pCi/L	U
2153	598806001	11/1/2022	Iron-59	-2.26E+00	3.59E+00	1.09E+01	pCi/L	U
2153	602119001	11/29/2022	Iron-59	-9.74E-01	2.77E+00	8.99E+00	pCi/L	U
2153	605323001	12/28/2022	Iron-59	-2.15E+00	1.18E+00	3.67E+00	pCi/L	U
2153	568221001	1/25/2022	Lanthanum-140	-1.45E+00	1.16E+00	3.32E+00	pCi/L	U
2153	571001001	2/23/2022	Lanthanum-140	-5.11E-01	2.44E+00	7.83E+00	pCi/L	U
2153	573810001	3/22/2022	Lanthanum-140	-4.10E-01	2.68E+00	8.82E+00	pCi/L	U
2153	580036001	5/17/2022	Lanthanum-140	-1.11E+00	1.85E+00	5.44E+00	pCi/L	U
2153	582789001	6/14/2022	Lanthanum-140	-2.64E+00	1.22E+00	3.59E+00	pCi/L	U
2153	585558001	7/12/2022	Lanthanum-140	4.60E+00	3.84E+00	9.06E+00	pCi/L	U
2153	588823001	8/8/2022	Lanthanum-140	4.42E-01	1.22E+00	4.06E+00	pCi/L	U
2153	592021001	9/7/2022	Lanthanum-140	1.76E+00	1.97E+00	7.03E+00	pCi/L	U
2153	594993001	10/4/2022	Lanthanum-140	-1.31E+00	1.29E+00	3.92E+00	pCi/L	U
2153	598806001	11/1/2022	Lanthanum-140	3.70E-01	3.17E+00	1.09E+01	pCi/L	U
2153	602119001	11/29/2022	Lanthanum-140	1.60E+00	2.13E+00	7.73E+00	pCi/L	U
2153	605323001	12/28/2022	Lanthanum-140	-6.04E-02	1.19E+00	3.88E+00	pCi/L	U
2153	568221001	1/25/2022	Lead-210	-5.51E+01	3.42E+01	9.57E+01	pCi/L	U
2153	571001001	2/23/2022	Lead-210	-7.59E+02	5.84E+02	1.50E+03	pCi/L	U
2153	573810001	3/22/2022	Lead-210	-2.47E+01	3.66E+01	1.10E+02	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	580036001	5/17/2022	Lead-210	-2.71E+01	2.99E+02	9.57E+02	pCi/L	U
2153	582789001	6/14/2022	Lead-210	-4.41E+01	1.30E+02	3.77E+02	pCi/L	U
2153	585558001	7/12/2022	Lead-210	1.10E+02	1.78E+02	6.13E+02	pCi/L	U
2153	588823001	8/8/2022	Lead-210	2.54E+01	1.61E+02	1.96E+02	pCi/L	U
2153	592021001	9/7/2022	Lead-210	7.49E+01	1.35E+02	1.86E+02	pCi/L	U
2153	594993001	10/4/2022	Lead-210	-9.14E+01	4.21E+02	8.16E+02	pCi/L	U
2153	598806001	11/1/2022	Lead-210	2.24E+00	5.56E+01	8.46E+01	pCi/L	U
2153	602119001	11/29/2022	Lead-210	-1.32E+02	4.74E+02	1.46E+03	pCi/L	U
2153	605323001	12/28/2022	Lead-210	8.45E+01	5.49E+02	7.12E+02	pCi/L	U
2153	568221001	1/25/2022	Lead-212	-3.08E+00	2.36E+00	6.92E+00	pCi/L	U
2153	571001001	2/23/2022	Lead-212	2.18E+00	3.01E+00	6.93E+00	pCi/L	U
2153	573810001	3/22/2022	Lead-212	-2.04E+00	2.16E+00	7.51E+00	pCi/L	U
2153	580036001	5/17/2022	Lead-212	-2.57E+00	2.87E+00	9.44E+00	pCi/L	U
2153	582789001	6/14/2022	Lead-212	8.61E-01	2.12E+00	2.73E+00	pCi/L	U
2153	585558001	7/12/2022	Lead-212	2.64E-01	1.92E+00	3.02E+00	pCi/L	U
2153	588823001	8/8/2022	Lead-212	2.83E+00	1.89E+00	2.61E+00	pCi/L	UI
2153	592021001	9/7/2022	Lead-212	6.36E+00	3.70E+00	7.08E+00	pCi/L	U
2153	594993001	10/4/2022	Lead-212	2.44E+00	2.17E+00	3.98E+00	pCi/L	U
2153	598806001	11/1/2022	Lead-212	-1.26E-01	2.87E+00	8.76E+00	pCi/L	U
2153	602119001	11/29/2022	Lead-212	-6.70E+00	3.74E+00	1.03E+01	pCi/L	U
2153	605323001	12/28/2022	Lead-212	3.29E-01	2.05E+00	3.68E+00	pCi/L	U
2153	568221001	1/25/2022	Lead-214	4.90E+00	3.00E+00	7.59E+00	pCi/L	U
2153	571001001	2/23/2022	Lead-214	1.25E+01	3.64E+00	9.17E+00	pCi/L	UI
2153	573810001	3/22/2022	Lead-214	-3.17E+00	2.38E+00	6.51E+00	pCi/L	U
2153	580036001	5/17/2022	Lead-214	5.01E+00	5.31E+00	1.07E+01	pCi/L	U
2153	582789001	6/14/2022	Lead-214	-1.75E+00	1.99E+00	3.64E+00	pCi/L	U
2153	585558001	7/12/2022	Lead-214	1.71E+00	2.05E+00	3.13E+00	pCi/L	U
2153	588823001	8/8/2022	Lead-214	2.73E-01	2.05E+00	3.21E+00	pCi/L	U
2153	592021001	9/7/2022	Lead-214	4.01E+00	4.56E+00	1.06E+01	pCi/L	U
2153	594993001	10/4/2022	Lead-214	-4.71E+00	2.05E+00	4.54E+00	pCi/L	U
2153	598806001	11/1/2022	Lead-214	1.93E+00	3.58E+00	1.17E+01	pCi/L	U
2153	602119001	11/29/2022	Lead-214	1.78E-01	3.69E+00	1.19E+01	pCi/L	U
2153	605323001	12/28/2022	Lead-214	-4.06E+00	2.11E+00	4.57E+00	pCi/L	U
2153	568221001	1/25/2022	Manganese-54	-6.76E-01	6.74E-01	2.03E+00	pCi/L	U
2153	571001001	2/23/2022	Manganese-54	1.28E-01	9.57E-01	3.11E+00	pCi/L	U
2153	573810001	3/22/2022	Manganese-54	-5.02E-03	7.33E-01	2.40E+00	pCi/L	U
2153	580036001	5/17/2022	Manganese-54	-5.78E-01	1.32E+00	4.18E+00	pCi/L	U
2153	582789001	6/14/2022	Manganese-54	4.60E-01	4.57E-01	1.51E+00	pCi/L	U
2153	585558001	7/12/2022	Manganese-54	-2.29E-01	4.38E-01	1.37E+00	pCi/L	U
2153	588823001	8/8/2022	Manganese-54	-7.47E-02	4.57E-01	1.44E+00	pCi/L	U
2153	592021001	9/7/2022	Manganese-54	4.43E-02	1.05E+00	3.56E+00	pCi/L	U
2153	594993001	10/4/2022	Manganese-54	-3.32E-01	5.94E-01	1.87E+00	pCi/L	U
2153	598806001	11/1/2022	Manganese-54	8.73E-01	1.74E+00	6.15E+00	pCi/L	U
2153	602119001	11/29/2022	Manganese-54	-2.21E+00	1.15E+00	2.88E+00	pCi/L	U
2153	605323001	12/28/2022	Manganese-54	1.15E-01	5.46E-01	1.78E+00	pCi/L	U
2153	568221001	1/25/2022	Molybdenum-99	1.53E+01	3.05E+01	1.06E+02	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	571001001	2/23/2022	Molybdenum-99	-1.09E+02	1.66E+02	5.09E+02	pCi/L	U
2153	573810001	3/22/2022	Molybdenum-99	6.76E+02	8.98E+02	2.88E+03	pCi/L	U
2153	580036001	5/17/2022	Molybdenum-99	7.54E+01	7.72E+01	2.78E+02	pCi/L	U
2153	582789001	6/14/2022	Molybdenum-99	-2.05E+01	1.21E+02	3.84E+02	pCi/L	U
2153	585558001	7/12/2022	Molybdenum-99	1.59E+03	8.78E+03	0.00E+00	pCi/L	UI
2153	588823001	8/8/2022	Molybdenum-99	1.79E+03	4.03E+02	5.08E+02	pCi/L	UI
2153	592021001	9/7/2022	Molybdenum-99	2.34E+01	6.88E+01	2.25E+02	pCi/L	U
2153	594993001	10/4/2022	Molybdenum-99	5.36E+00	1.50E+02	4.86E+02	pCi/L	U
2153	598806001	11/1/2022	Molybdenum-99	-1.58E+02	1.28E+02	3.42E+02	pCi/L	U
2153	602119001	11/29/2022	Molybdenum-99	1.39E+02	1.51E+02	3.47E+02	pCi/L	U
2153	605323001	12/28/2022	Molybdenum-99	-1.31E+02	8.20E+01	2.47E+02	pCi/L	U
2153	568221001	1/25/2022	Niobium-95	3.76E-01	7.72E-01	2.66E+00	pCi/L	U
2153	571001001	2/23/2022	Niobium-95	-9.51E-01	8.98E-01	2.64E+00	pCi/L	U
2153	573810001	3/22/2022	Niobium-95	-9.93E-01	8.75E-01	2.59E+00	pCi/L	U
2153	580036001	5/17/2022	Niobium-95	1.16E+00	1.33E+00	4.73E+00	pCi/L	U
2153	582789001	6/14/2022	Niobium-95	1.05E+00	4.44E-01	1.66E+00	pCi/L	U
2153	585558001	7/12/2022	Niobium-95	6.10E-01	5.43E-01	1.81E+00	pCi/L	U
2153	588823001	8/8/2022	Niobium-95	-5.97E-01	4.80E-01	1.44E+00	pCi/L	U
2153	592021001	9/7/2022	Niobium-95	-5.70E-01	1.21E+00	3.65E+00	pCi/L	U
2153	594993001	10/4/2022	Niobium-95	-1.99E-01	6.13E-01	1.96E+00	pCi/L	U
2153	598806001	11/1/2022	Niobium-95	2.29E+00	2.01E+00	7.21E+00	pCi/L	U
2153	602119001	11/29/2022	Niobium-95	4.26E+00	1.33E+00	5.44E+00	pCi/L	U
2153	605323001	12/28/2022	Niobium-95	-2.89E-01	6.08E-01	1.94E+00	pCi/L	U
2153	568221001	1/25/2022	Potassium-40	1.05E+01	1.56E+01	2.20E+01	pCi/L	U
2153	571001001	2/23/2022	Potassium-40	9.94E+01	2.05E+01	2.99E+01	pCi/L	U
2153	573810001	3/22/2022	Potassium-40	-1.28E+01	1.12E+01	3.91E+01	pCi/L	U
2153	580036001	5/17/2022	Potassium-40	-2.74E+00	2.00E+01	6.64E+01	pCi/L	U
2153	582789001	6/14/2022	Potassium-40	-2.10E+01	1.59E+01	2.18E+01	pCi/L	U
2153	585558001	7/12/2022	Potassium-40	3.63E+01	9.00E+00	1.31E+01	pCi/L	U
2153	588823001	8/8/2022	Potassium-40	2.59E+01	1.26E+01	1.43E+01	pCi/L	UI
2153	592021001	9/7/2022	Potassium-40	5.22E+00	1.74E+01	3.24E+01	pCi/L	U
2153	594993001	10/4/2022	Potassium-40	6.76E+00	1.52E+01	1.90E+01	pCi/L	U
2153	598806001	11/1/2022	Potassium-40	-7.43E+00	2.82E+01	9.89E+01	pCi/L	U
2153	602119001	11/29/2022	Potassium-40	1.07E+01	1.84E+01	5.83E+01	pCi/L	U
2153	605323001	12/28/2022	Potassium-40	-1.51E+01	1.33E+01	2.93E+01	pCi/L	U
2153	568221001	1/25/2022	Radium-226	6.65E+00	3.22E+01	5.39E+01	pCi/L	U
2153	571001001	2/23/2022	Radium-226	4.46E+01	5.00E+01	6.41E+01	pCi/L	U
2153	573810001	3/22/2022	Radium-226	-4.50E+00	2.33E+01	7.26E+01	pCi/L	U
2153	580036001	5/17/2022	Radium-226	9.13E+00	5.59E+01	9.00E+01	pCi/L	U
2153	582789001	6/14/2022	Radium-226	-3.47E+01	2.20E+01	4.60E+01	pCi/L	U
2153	585558001	7/12/2022	Radium-226	-2.08E+01	1.85E+01	3.58E+01	pCi/L	U
2153	588823001	8/8/2022	Radium-226	6.18E+01	2.55E+01	2.78E+01	pCi/L	UI
2153	592021001	9/7/2022	Radium-226	2.69E+01	3.70E+01	6.60E+01	pCi/L	U
2153	594993001	10/4/2022	Radium-226	-1.55E+01	2.24E+01	5.03E+01	pCi/L	U
2153	598806001	11/1/2022	Radium-226	9.38E+00	4.72E+01	8.88E+01	pCi/L	U
2153	602119001	11/29/2022	Radium-226	-3.89E+01	3.95E+01	1.37E+02	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	605323001	12/28/2022	Radium-226	-4.76E+01	2.47E+01	4.88E+01	pCi/L	U
2153	568221001	1/25/2022	Radium-228	-5.05E-02	3.81E+00	1.23E+01	pCi/L	U
2153	571001001	2/23/2022	Radium-228	1.72E+01	5.70E+00	1.66E+01	pCi/L	UI
2153	573810001	3/22/2022	Radium-228	-2.15E+00	4.11E+00	1.19E+01	pCi/L	U
2153	580036001	5/17/2022	Radium-228	-1.61E+01	7.63E+00	1.93E+01	pCi/L	U
2153	582789001	6/14/2022	Radium-228	-2.04E+00	3.40E+00	6.65E+00	pCi/L	U
2153	585558001	7/12/2022	Radium-228	-2.41E+00	3.06E+00	6.32E+00	pCi/L	U
2153	588823001	8/8/2022	Radium-228	-5.26E+00	3.33E+00	6.88E+00	pCi/L	U
2153	592021001	9/7/2022	Radium-228	9.13E+00	7.23E+00	1.38E+01	pCi/L	U
2153	594993001	10/4/2022	Radium-228	2.95E+00	4.97E+00	7.19E+00	pCi/L	U
2153	598806001	11/1/2022	Radium-228	-7.18E+00	7.79E+00	2.40E+01	pCi/L	U
2153	602119001	11/29/2022	Radium-228	1.44E+01	5.63E+00	1.99E+01	pCi/L	U
2153	605323001	12/28/2022	Radium-228	-4.23E+00	3.77E+00	8.61E+00	pCi/L	U
2153	568221001	1/25/2022	Ruthenium-103	5.55E-01	7.69E-01	2.73E+00	pCi/L	U
2153	571001001	2/23/2022	Ruthenium-103	-2.05E-01	1.55E+00	3.63E+00	pCi/L	U
2153	573810001	3/22/2022	Ruthenium-103	1.32E+00	1.47E+00	3.12E+00	pCi/L	U
2153	580036001	5/17/2022	Ruthenium-103	-5.65E-01	1.48E+00	4.54E+00	pCi/L	U
2153	582789001	6/14/2022	Ruthenium-103	-3.85E-01	5.33E-01	1.70E+00	pCi/L	U
2153	585558001	7/12/2022	Ruthenium-103	-4.78E-01	7.21E-01	2.09E+00	pCi/L	U
2153	588823001	8/8/2022	Ruthenium-103	1.18E-02	6.01E-01	1.78E+00	pCi/L	U
2153	592021001	9/7/2022	Ruthenium-103	-6.51E-01	1.16E+00	3.66E+00	pCi/L	U
2153	594993001	10/4/2022	Ruthenium-103	-1.57E-01	6.76E-01	2.00E+00	pCi/L	U
2153	598806001	11/1/2022	Ruthenium-103	1.16E+00	1.75E+00	6.07E+00	pCi/L	U
2153	602119001	11/29/2022	Ruthenium-103	-1.94E+00	1.50E+00	4.62E+00	pCi/L	U
2153	605323001	12/28/2022	Ruthenium-103	-8.49E-01	5.70E-01	1.82E+00	pCi/L	U
2153	568221001	1/25/2022	Ruthenium-106	1.37E+01	6.26E+00	2.40E+01	pCi/L	U
2153	571001001	2/23/2022	Ruthenium-106	-3.19E+00	7.32E+00	2.33E+01	pCi/L	U
2153	573810001	3/22/2022	Ruthenium-106	1.39E-01	7.80E+00	2.61E+01	pCi/L	U
2153	580036001	5/17/2022	Ruthenium-106	1.87E+01	1.19E+01	4.46E+01	pCi/L	U
2153	582789001	6/14/2022	Ruthenium-106	-4.24E+00	4.08E+00	1.27E+01	pCi/L	U
2153	585558001	7/12/2022	Ruthenium-106	-3.82E+00	3.72E+00	1.17E+01	pCi/L	U
2153	588823001	8/8/2022	Ruthenium-106	-1.26E+01	6.75E+00	1.30E+01	pCi/L	U
2153	592021001	9/7/2022	Ruthenium-106	2.46E+00	9.93E+00	3.26E+01	pCi/L	U
2153	594993001	10/4/2022	Ruthenium-106	8.07E+00	4.56E+00	1.60E+01	pCi/L	U
2153	598806001	11/1/2022	Ruthenium-106	-2.19E+01	1.50E+01	4.06E+01	pCi/L	U
2153	602119001	11/29/2022	Ruthenium-106	-2.68E+00	1.17E+01	3.81E+01	pCi/L	U
2153	605323001	12/28/2022	Ruthenium-106	-1.21E+01	4.68E+00	1.39E+01	pCi/L	U
2153	568221001	1/25/2022	Selenium-75	-1.33E+00	1.02E+00	3.07E+00	pCi/L	U
2153	571001001	2/23/2022	Selenium-75	9.74E-01	1.47E+00	4.74E+00	pCi/L	U
2153	573810001	3/22/2022	Selenium-75	1.67E-01	1.15E+00	3.66E+00	pCi/L	U
2153	580036001	5/17/2022	Selenium-75	-9.90E-01	1.80E+00	5.77E+00	pCi/L	U
2153	582789001	6/14/2022	Selenium-75	6.69E-01	6.13E-01	2.10E+00	pCi/L	U
2153	585558001	7/12/2022	Selenium-75	-5.04E-01	6.50E-01	1.99E+00	pCi/L	U
2153	588823001	8/8/2022	Selenium-75	2.11E-01	5.84E-01	2.02E+00	pCi/L	U
2153	592021001	9/7/2022	Selenium-75	2.73E-01	1.41E+00	4.84E+00	pCi/L	U
2153	594993001	10/4/2022	Selenium-75	-5.00E-01	8.04E-01	2.48E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	598806001	11/1/2022	Selenium-75	-2.75E+00	1.90E+00	5.26E+00	pCi/L	U
2153	602119001	11/29/2022	Selenium-75	1.05E+00	1.74E+00	5.83E+00	pCi/L	U
2153	605323001	12/28/2022	Selenium-75	-4.51E-01	7.56E-01	2.35E+00	pCi/L	U
2153	568221001	1/25/2022	Silver-108m	1.21E+00	6.83E-01	2.37E+00	pCi/L	U
2153	571001001	2/23/2022	Silver-108m	-1.09E+00	7.30E-01	2.25E+00	pCi/L	U
2153	573810001	3/22/2022	Silver-108m	5.97E-01	6.67E-01	2.39E+00	pCi/L	U
2153	580036001	5/17/2022	Silver-108m	1.96E-01	1.18E+00	3.85E+00	pCi/L	U
2153	582789001	6/14/2022	Silver-108m	1.10E-01	3.91E-01	1.29E+00	pCi/L	U
2153	585558001	7/12/2022	Silver-108m	-1.06E-01	3.55E-01	1.18E+00	pCi/L	U
2153	588823001	8/8/2022	Silver-108m	-2.02E-01	3.68E-01	1.21E+00	pCi/L	U
2153	592021001	9/7/2022	Silver-108m	-6.47E-02	9.13E-01	2.99E+00	pCi/L	U
2153	594993001	10/4/2022	Silver-108m	-1.62E-01	4.74E-01	1.58E+00	pCi/L	U
2153	598806001	11/1/2022	Silver-108m	-4.75E-01	1.24E+00	3.99E+00	pCi/L	U
2153	602119001	11/29/2022	Silver-108m	-8.67E-01	1.16E+00	3.74E+00	pCi/L	U
2153	605323001	12/28/2022	Silver-108m	-1.99E-01	4.56E-01	1.53E+00	pCi/L	U
2153	568221001	1/25/2022	Silver-110m	1.47E+00	9.99E-01	3.67E+00	pCi/L	U
2153	571001001	2/23/2022	Silver-110m	-5.86E-01	1.42E+00	4.40E+00	pCi/L	U
2153	573810001	3/22/2022	Silver-110m	1.25E+00	9.97E-01	3.65E+00	pCi/L	U
2153	580036001	5/17/2022	Silver-110m	-2.81E+00	1.34E+00	2.93E+00	pCi/L	U
2153	582789001	6/14/2022	Silver-110m	-2.43E+00	1.82E+00	2.04E+00	pCi/L	U
2153	585558001	7/12/2022	Silver-110m	-5.09E-01	5.61E-01	1.70E+00	pCi/L	U
2153	588823001	8/8/2022	Silver-110m	-2.00E-01	5.77E-01	1.93E+00	pCi/L	U
2153	592021001	9/7/2022	Silver-110m	-7.81E-02	1.36E+00	4.57E+00	pCi/L	U
2153	594993001	10/4/2022	Silver-110m	-9.29E-01	7.41E-01	2.22E+00	pCi/L	U
2153	598806001	11/1/2022	Silver-110m	3.14E-01	2.36E+00	8.05E+00	pCi/L	U
2153	602119001	11/29/2022	Silver-110m	8.85E-01	1.58E+00	5.43E+00	pCi/L	U
2153	605323001	12/28/2022	Silver-110m	-1.25E+00	7.25E-01	2.12E+00	pCi/L	U
2153	568221001	1/25/2022	Tellurium-132	-9.15E-01	3.17E+00	1.02E+01	pCi/L	U
2153	571001001	2/23/2022	Tellurium-132	-9.37E+00	1.41E+01	4.32E+01	pCi/L	U
2153	573810001	3/22/2022	Tellurium-132	2.37E+00	4.85E+01	1.55E+02	pCi/L	U
2153	580036001	5/17/2022	Tellurium-132	4.01E+00	6.78E+00	2.32E+01	pCi/L	U
2153	582789001	6/14/2022	Tellurium-132	6.51E+00	8.76E+00	2.99E+01	pCi/L	U
2153	585558001	7/12/2022	Tellurium-132	2.59E+02	3.25E+02	1.04E+03	pCi/L	U
2153	588823001	8/8/2022	Tellurium-132	1.38E+01	1.06E+01	3.43E+01	pCi/L	U
2153	592021001	9/7/2022	Tellurium-132	1.43E+00	5.13E+00	1.77E+01	pCi/L	U
2153	594993001	10/4/2022	Tellurium-132	-4.71E+00	1.12E+01	3.49E+01	pCi/L	U
2153	598806001	11/1/2022	Tellurium-132	-6.68E+00	9.50E+00	2.88E+01	pCi/L	U
2153	602119001	11/29/2022	Tellurium-132	-1.38E+01	7.79E+00	2.30E+01	pCi/L	U
2153	605323001	12/28/2022	Tellurium-132	-4.48E-01	7.22E+00	2.12E+01	pCi/L	U
2153	568221001	1/25/2022	Thallium-208	8.52E-03	1.72E+00	2.36E+00	pCi/L	U
2153	571001001	2/23/2022	Thallium-208	-3.42E-01	1.38E+00	3.86E+00	pCi/L	U
2153	573810001	3/22/2022	Thallium-208	1.45E+00	1.37E+00	2.82E+00	pCi/L	U
2153	580036001	5/17/2022	Thallium-208	6.33E-01	1.45E+00	4.78E+00	pCi/L	U
2153	582789001	6/14/2022	Thallium-208	1.66E+00	1.32E+00	1.34E+00	pCi/L	UI
2153	585558001	7/12/2022	Thallium-208	-1.96E+00	8.76E-01	1.64E+00	pCi/L	U
2153	588823001	8/8/2022	Thallium-208	-2.13E+00	1.00E+00	2.17E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2153	592021001	9/7/2022	Thallium-208	9.11E-01	2.10E+00	3.85E+00	pCi/L	U
2153	594993001	10/4/2022	Thallium-208	-1.09E+00	9.62E-01	2.09E+00	pCi/L	U
2153	598806001	11/1/2022	Thallium-208	-2.72E+00	2.27E+00	6.47E+00	pCi/L	U
2153	602119001	11/29/2022	Thallium-208	-2.72E+00	1.66E+00	5.43E+00	pCi/L	U
2153	605323001	12/28/2022	Thallium-208	1.33E+00	1.25E+00	1.69E+00	pCi/L	U
2153	568221001	1/25/2022	Thorium-228	-3.08E+00	2.36E+00	6.92E+00	pCi/L	U
2153	571001001	2/23/2022	Thorium-228	2.18E+00	3.01E+00	6.93E+00	pCi/L	U
2153	573810001	3/22/2022	Thorium-228	-2.04E+00	2.16E+00	7.51E+00	pCi/L	U
2153	580036001	5/17/2022	Thorium-228	-2.57E+00	2.87E+00	9.44E+00	pCi/L	U
2153	582789001	6/14/2022	Thorium-228	8.61E-01	2.12E+00	2.73E+00	pCi/L	U
2153	585558001	7/12/2022	Thorium-228	2.64E-01	1.92E+00	3.02E+00	pCi/L	U
2153	588823001	8/8/2022	Thorium-228	2.83E+00	1.89E+00	2.61E+00	pCi/L	UI
2153	592021001	9/7/2022	Thorium-228	6.36E+00	3.70E+00	7.08E+00	pCi/L	U
2153	594993001	10/4/2022	Thorium-228	2.44E+00	2.17E+00	3.98E+00	pCi/L	U
2153	598806001	11/1/2022	Thorium-228	-1.26E-01	2.87E+00	8.76E+00	pCi/L	U
2153	602119001	11/29/2022	Thorium-228	-6.70E+00	3.74E+00	1.03E+01	pCi/L	U
2153	605323001	12/28/2022	Thorium-228	3.29E-01	2.05E+00	3.68E+00	pCi/L	U
2153	568221001	1/25/2022	Thorium-230	7.38E+02	3.35E+02	6.11E+02	pCi/L	UI
2153	571001001	2/23/2022	Thorium-230	4.78E+02	5.51E+02	1.77E+03	pCi/L	U
2153	573810001	3/22/2022	Thorium-230	4.38E+02	3.34E+02	6.33E+02	pCi/L	U
2153	580036001	5/17/2022	Thorium-230	-7.95E+02	6.83E+02	1.86E+03	pCi/L	U
2153	582789001	6/14/2022	Thorium-230	3.03E+02	2.65E+02	7.84E+02	pCi/L	U
2153	585558001	7/12/2022	Thorium-230	5.13E+02	4.47E+02	6.67E+02	pCi/L	U
2153	588823001	8/8/2022	Thorium-230	1.96E+03	3.65E+02	5.22E+02	pCi/L	UI
2153	592021001	9/7/2022	Thorium-230	5.12E+02	3.30E+02	1.07E+03	pCi/L	U
2153	594993001	10/4/2022	Thorium-230	2.48E+03	6.60E+02	9.45E+02	pCi/L	UI
2153	598806001	11/1/2022	Thorium-230	-2.39E+01	2.70E+02	7.58E+02	pCi/L	U
2153	602119001	11/29/2022	Thorium-230	-1.75E+02	6.83E+02	2.32E+03	pCi/L	U
2153	605323001	12/28/2022	Thorium-230	1.51E+03	5.79E+02	9.31E+02	pCi/L	UI
2153	568221001	1/25/2022	Thorium-232	3.17E+02	5.69E+02	9.43E+02	pCi/L	U
2153	571001001	2/23/2022	Thorium-232	-1.13E+02	1.24E+03	3.55E+03	pCi/L	U
2153	573810001	3/22/2022	Thorium-232	1.23E+01	5.53E+02	1.04E+03	pCi/L	U
2153	580036001	5/17/2022	Thorium-232	1.23E+03	2.31E+03	3.46E+03	pCi/L	U
2153	582789001	6/14/2022	Thorium-232	3.18E+03	1.26E+03	1.33E+03	pCi/L	UI
2153	585558001	7/12/2022	Thorium-232	-5.33E+02	7.32E+02	1.49E+03	pCi/L	U
2153	588823001	8/8/2022	Thorium-232	-2.97E+03	6.83E+02	1.07E+03	pCi/L	U
2153	592021001	9/7/2022	Thorium-232	2.81E+03	1.17E+03	1.51E+03	pCi/L	UI
2153	594993001	10/4/2022	Thorium-232	1.26E+03	1.13E+03	1.60E+03	pCi/L	U
2153	598806001	11/1/2022	Thorium-232	1.50E+02	7.75E+02	1.12E+03	pCi/L	U
2153	602119001	11/29/2022	Thorium-232	1.78E+03	2.26E+03	4.10E+03	pCi/L	U
2153	605323001	12/28/2022	Thorium-232	1.05E+03	1.08E+03	1.73E+03	pCi/L	U
2153	568221001	1/25/2022	Thorium-234	2.23E+01	4.00E+01	6.68E+01	pCi/L	U
2153	571001001	2/23/2022	Thorium-234	5.74E+00	9.05E+01	2.62E+02	pCi/L	U
2153	573810001	3/22/2022	Thorium-234	8.64E-01	3.88E+01	7.40E+01	pCi/L	U
2153	580036001	5/17/2022	Thorium-234	8.67E+01	1.62E+02	2.51E+02	pCi/L	U
2153	582789001	6/14/2022	Thorium-234	2.24E+02	8.84E+01	1.21E+02	pCi/L	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2153	585558001	7/12/2022	Thorium-234	-2.25E+01	5.32E+01	1.09E+02	pCi/L	U
2153	588823001	8/8/2022	Thorium-234	-2.01E+02	4.93E+01	7.85E+01	pCi/L	U
2153	592021001	9/7/2022	Thorium-234	1.97E+02	8.22E+01	1.44E+02	pCi/L	UI
2153	594993001	10/4/2022	Thorium-234	8.85E+01	7.91E+01	1.21E+02	pCi/L	U
2153	598806001	11/1/2022	Thorium-234	1.05E+01	5.44E+01	7.86E+01	pCi/L	U
2153	602119001	11/29/2022	Thorium-234	1.25E+02	1.59E+02	3.51E+02	pCi/L	U
2153	605323001	12/28/2022	Thorium-234	7.40E+01	7.57E+01	1.26E+02	pCi/L	U
2153	578162001	3/22/2022	Tritium	1.24E+02	1.87E+02	5.93E+02	pCi/L	U
2153	600472001	9/7/2022	Tritium	1.61E+02	2.15E+02	6.93E+02	pCi/L	U
2153	609541001	12/28/2022	Tritium	-3.05E+02	1.47E+02	5.29E+02	pCi/L	U
2153	568221001	1/25/2022	Uranium-234	1.51E+03	1.27E+03	2.48E+03	pCi/L	U
2153	571001001	2/23/2022	Uranium-234	6.98E+03	5.03E+03	1.79E+04	pCi/L	U
2153	573810001	3/22/2022	Uranium-234	1.56E+03	7.81E+02	2.83E+03	pCi/L	U
2153	580036001	5/17/2022	Uranium-234	2.13E+03	5.39E+03	1.76E+04	pCi/L	U
2153	582789001	6/14/2022	Uranium-234	3.83E+03	1.85E+03	6.09E+03	pCi/L	U
2153	585558001	7/12/2022	Uranium-234	1.44E+04	3.08E+03	7.26E+03	pCi/L	UI
2153	588823001	8/8/2022	Uranium-234	2.76E+03	1.09E+03	3.81E+03	pCi/L	U
2153	592021001	9/7/2022	Uranium-234	-1.52E+03	1.65E+03	4.94E+03	pCi/L	U
2153	594993001	10/4/2022	Uranium-234	1.27E+04	5.67E+03	9.59E+03	pCi/L	UI
2153	598806001	11/1/2022	Uranium-234	-6.27E+02	8.41E+02	2.63E+03	pCi/L	U
2153	602119001	11/29/2022	Uranium-234	7.15E+02	1.10E+04	2.07E+04	pCi/L	U
2153	605323001	12/28/2022	Uranium-234	7.65E+03	2.93E+03	1.06E+04	pCi/L	U
2153	568221001	1/25/2022	Zinc-65	-2.74E-02	1.68E+00	5.15E+00	pCi/L	U
2153	571001001	2/23/2022	Zinc-65	-8.48E-01	2.05E+00	5.80E+00	pCi/L	U
2153	573810001	3/22/2022	Zinc-65	-4.68E-01	1.75E+00	5.45E+00	pCi/L	U
2153	580036001	5/17/2022	Zinc-65	7.38E-01	2.38E+00	7.99E+00	pCi/L	U
2153	582789001	6/14/2022	Zinc-65	1.11E+00	9.91E-01	3.12E+00	pCi/L	U
2153	585558001	7/12/2022	Zinc-65	2.22E-01	9.25E-01	2.76E+00	pCi/L	U
2153	588823001	8/8/2022	Zinc-65	1.14E+00	1.11E+00	3.49E+00	pCi/L	U
2153	592021001	9/7/2022	Zinc-65	-7.74E+00	2.80E+00	4.52E+00	pCi/L	U
2153	594993001	10/4/2022	Zinc-65	3.09E-01	1.01E+00	3.47E+00	pCi/L	U
2153	598806001	11/1/2022	Zinc-65	-1.64E+00	3.48E+00	1.07E+01	pCi/L	U
2153	602119001	11/29/2022	Zinc-65	-1.77E+00	2.61E+00	8.11E+00	pCi/L	U
2153	605323001	12/28/2022	Zinc-65	-7.31E-02	1.04E+00	3.51E+00	pCi/L	U
2153	568221001	1/25/2022	Zirconium-95	1.20E+00	1.13E+00	4.09E+00	pCi/L	U
2153	571001001	2/23/2022	Zirconium-95	2.05E-01	1.47E+00	4.82E+00	pCi/L	U
2153	573810001	3/22/2022	Zirconium-95	1.84E-01	1.42E+00	4.74E+00	pCi/L	U
2153	580036001	5/17/2022	Zirconium-95	-3.41E+00	2.03E+00	5.40E+00	pCi/L	U
2153	582789001	6/14/2022	Zirconium-95	-6.70E-01	8.75E-01	2.71E+00	pCi/L	U
2153	585558001	7/12/2022	Zirconium-95	4.11E-01	9.28E-01	3.03E+00	pCi/L	U
2153	588823001	8/8/2022	Zirconium-95	-1.10E+00	9.34E-01	2.83E+00	pCi/L	U
2153	592021001	9/7/2022	Zirconium-95	2.75E-01	1.89E+00	6.09E+00	pCi/L	U
2153	594993001	10/4/2022	Zirconium-95	-3.60E-01	9.70E-01	3.09E+00	pCi/L	U
2153	598806001	11/1/2022	Zirconium-95	-5.55E-01	3.09E+00	9.58E+00	pCi/L	U
2153	602119001	11/29/2022	Zirconium-95	3.48E+00	1.51E+00	6.72E+00	pCi/L	U
2153	605323001	12/28/2022	Zirconium-95	8.93E-01	1.03E+00	3.47E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	566834001	1/10/2022	Actinium-228	-3.45E+00	4.37E+00	1.25E+01	pCi/L	U
3298	569530001	2/7/2022	Actinium-228	-2.62E+00	2.99E+00	7.08E+00	pCi/L	U
3298	572307001	3/8/2022	Actinium-228	7.18E+00	5.33E+00	9.61E+00	pCi/L	U
3298	575136001	4/4/2022	Actinium-228	-2.96E+00	4.09E+00	1.14E+01	pCi/L	U
3298	578414001	5/2/2022	Actinium-228	-2.64E+00	3.48E+00	9.28E+00	pCi/L	U
3298	581369001	5/29/2022	Actinium-228	5.26E-01	7.92E+00	2.66E+01	pCi/L	U
3298	584139001	6/27/2022	Actinium-228	-5.97E+00	4.94E+00	1.52E+01	pCi/L	U
3298	587144001	7/26/2022	Actinium-228	3.06E+00	4.88E+00	1.57E+01	pCi/L	U
3298	590519001	8/22/2022	Actinium-228	1.96E+01	5.73E+00	1.75E+01	pCi/L	UI
3298	593610001	9/19/2022	Actinium-228	-4.50E+00	5.25E+00	1.34E+01	pCi/L	U
3298	597084001	10/17/2022	Actinium-228	8.17E-01	3.89E+00	1.37E+01	pCi/L	U
3298	600674001	11/14/2022	Actinium-228	2.87E-02	7.62E+00	1.65E+01	pCi/L	U
3298	603748001	12/12/2022	Actinium-228	3.67E+00	6.67E+00	9.79E+00	pCi/L	U
3298	566834001	1/10/2022	Americium-241	7.89E-01	5.03E+00	1.57E+01	pCi/L	U
3298	569530001	2/7/2022	Americium-241	7.84E-01	4.20E+00	1.44E+01	pCi/L	U
3298	572307001	3/8/2022	Americium-241	-7.80E+00	8.31E+00	2.41E+01	pCi/L	U
3298	575136001	4/4/2022	Americium-241	1.02E+00	3.25E+00	1.02E+01	pCi/L	U
3298	578414001	5/2/2022	Americium-241	1.59E-01	2.93E+00	8.42E+00	pCi/L	U
3298	581369001	5/29/2022	Americium-241	-5.12E+00	3.24E+00	8.52E+00	pCi/L	U
3298	584139001	6/27/2022	Americium-241	-1.42E+01	1.29E+01	3.41E+01	pCi/L	U
3298	587144001	7/26/2022	Americium-241	6.45E+00	4.54E+00	1.02E+01	pCi/L	U
3298	590519001	8/22/2022	Americium-241	2.19E+00	4.81E+00	1.44E+01	pCi/L	U
3298	593610001	9/19/2022	Americium-241	2.33E+00	5.96E+00	1.88E+01	pCi/L	U
3298	597084001	10/17/2022	Americium-241	-1.73E+00	3.89E+00	1.15E+01	pCi/L	U
3298	600674001	11/14/2022	Americium-241	-1.44E+01	8.77E+00	2.74E+01	pCi/L	U
3298	603748001	12/12/2022	Americium-241	2.55E-01	5.99E+00	1.73E+01	pCi/L	U
3298	566834001	1/10/2022	Antimony-124	-9.64E-01	1.84E+00	5.67E+00	pCi/L	U
3298	569530001	2/7/2022	Antimony-124	-3.81E-01	1.20E+00	3.92E+00	pCi/L	U
3298	572307001	3/8/2022	Antimony-124	2.44E+00	2.19E+00	8.12E+00	pCi/L	U
3298	575136001	4/4/2022	Antimony-124	9.96E-01	1.53E+00	5.43E+00	pCi/L	U
3298	578414001	5/2/2022	Antimony-124	3.77E+00	1.37E+00	5.64E+00	pCi/L	U
3298	581369001	5/29/2022	Antimony-124	-3.83E+00	4.98E+00	1.42E+01	pCi/L	U
3298	584139001	6/27/2022	Antimony-124	-6.38E-02	3.92E+00	1.27E+01	pCi/L	U
3298	587144001	7/26/2022	Antimony-124	-1.14E-01	2.38E+00	7.56E+00	pCi/L	U
3298	590519001	8/22/2022	Antimony-124	5.05E-01	2.08E+00	6.99E+00	pCi/L	U
3298	593610001	9/19/2022	Antimony-124	2.13E+00	2.05E+00	7.75E+00	pCi/L	U
3298	597084001	10/17/2022	Antimony-124	-5.06E-01	2.55E+00	7.90E+00	pCi/L	U
3298	600674001	11/14/2022	Antimony-124	-7.58E+00	2.57E+00	5.35E+00	pCi/L	U
3298	603748001	12/12/2022	Antimony-124	-1.09E+00	1.72E+00	5.33E+00	pCi/L	U
3298	566834001	1/10/2022	Antimony-125	-2.32E+00	2.01E+00	6.41E+00	pCi/L	U
3298	569530001	2/7/2022	Antimony-125	-2.10E+00	1.21E+00	3.77E+00	pCi/L	U
3298	572307001	3/8/2022	Antimony-125	-9.04E-01	1.92E+00	6.22E+00	pCi/L	U
3298	575136001	4/4/2022	Antimony-125	8.10E+00	3.48E+00	6.71E+00	pCi/L	UI
3298	578414001	5/2/2022	Antimony-125	1.70E+00	1.94E+00	6.36E+00	pCi/L	U
3298	581369001	5/29/2022	Antimony-125	5.97E+00	4.06E+00	1.46E+01	pCi/L	U
3298	584139001	6/27/2022	Antimony-125	1.35E+00	3.36E+00	1.12E+01	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	587144001	7/26/2022	Antimony-125	7.83E-01	2.47E+00	8.33E+00	pCi/L	U
3298	590519001	8/22/2022	Antimony-125	6.31E-01	2.50E+00	8.29E+00	pCi/L	U
3298	593610001	9/19/2022	Antimony-125	-6.42E-01	2.47E+00	8.14E+00	pCi/L	U
3298	597084001	10/17/2022	Antimony-125	-7.53E-02	2.29E+00	7.54E+00	pCi/L	U
3298	600674001	11/14/2022	Antimony-125	-2.47E+00	2.44E+00	7.87E+00	pCi/L	U
3298	603748001	12/12/2022	Antimony-125	-2.18E+00	1.78E+00	5.57E+00	pCi/L	U
3298	566834001	1/10/2022	Barium-140	-6.33E-01	5.00E+00	1.65E+01	pCi/L	U
3298	569530001	2/7/2022	Barium-140	1.80E+00	3.71E+00	1.23E+01	pCi/L	U
3298	572307001	3/8/2022	Barium-140	1.64E+00	8.14E+00	2.42E+01	pCi/L	U
3298	575136001	4/4/2022	Barium-140	-3.53E+00	5.17E+00	1.64E+01	pCi/L	U
3298	578414001	5/2/2022	Barium-140	-8.07E-01	5.01E+00	1.68E+01	pCi/L	U
3298	581369001	5/29/2022	Barium-140	3.64E+01	1.80E+01	2.93E+01	pCi/L	UI
3298	584139001	6/27/2022	Barium-140	5.32E+00	6.37E+00	2.20E+01	pCi/L	U
3298	587144001	7/26/2022	Barium-140	-1.05E-01	5.76E+00	1.67E+01	pCi/L	U
3298	590519001	8/22/2022	Barium-140	1.68E+00	5.26E+00	1.74E+01	pCi/L	U
3298	593610001	9/19/2022	Barium-140	4.76E-02	4.02E+00	1.33E+01	pCi/L	U
3298	597084001	10/17/2022	Barium-140	-1.96E+00	5.79E+00	1.83E+01	pCi/L	U
3298	600674001	11/14/2022	Barium-140	-2.53E+01	9.43E+00	1.95E+01	pCi/L	U
3298	603748001	12/12/2022	Barium-140	6.94E+00	3.51E+00	1.23E+01	pCi/L	U
3298	566834001	1/10/2022	Beryllium-7	1.89E+01	6.72E+00	2.55E+01	pCi/L	U
3298	569530001	2/7/2022	Beryllium-7	1.07E+00	4.37E+00	1.45E+01	pCi/L	U
3298	572307001	3/8/2022	Beryllium-7	-1.88E+00	7.31E+00	2.37E+01	pCi/L	U
3298	575136001	4/4/2022	Beryllium-7	4.44E+00	6.16E+00	2.14E+01	pCi/L	U
3298	578414001	5/2/2022	Beryllium-7	6.88E+00	6.45E+00	2.27E+01	pCi/L	U
3298	581369001	5/29/2022	Beryllium-7	1.67E+00	1.41E+01	4.61E+01	pCi/L	U
3298	584139001	6/27/2022	Beryllium-7	-7.82E+00	1.19E+01	3.64E+01	pCi/L	U
3298	587144001	7/26/2022	Beryllium-7	3.72E+00	1.03E+01	3.45E+01	pCi/L	U
3298	590519001	8/22/2022	Beryllium-7	2.05E+00	9.95E+00	3.27E+01	pCi/L	U
3298	593610001	9/19/2022	Beryllium-7	1.67E+01	7.51E+00	2.89E+01	pCi/L	U
3298	597084001	10/17/2022	Beryllium-7	-4.79E+00	7.88E+00	2.45E+01	pCi/L	U
3298	600674001	11/14/2022	Beryllium-7	4.77E-01	8.43E+00	2.84E+01	pCi/L	U
3298	603748001	12/12/2022	Beryllium-7	3.54E+00	6.18E+00	1.85E+01	pCi/L	U
3298	566834001	1/10/2022	BETA	1.40E+00	1.16E+00	3.57E+00	pCi/L	U
3298	569530001	2/7/2022	BETA	-5.70E-01	7.08E-01	2.46E+00	pCi/L	U
3298	572307001	3/8/2022	BETA	1.81E+00	7.49E-01	1.96E+00	pCi/L	U
3298	575136001	4/4/2022	BETA	6.72E-01	1.05E+00	3.32E+00	pCi/L	U
3298	578414001	5/2/2022	BETA	1.21E+00	9.16E-01	2.69E+00	pCi/L	U
3298	581369001	5/29/2022	BETA	1.28E+00	1.13E+00	3.44E+00	pCi/L	U
3298	584139001	6/27/2022	BETA	1.96E+00	1.08E+00	3.15E+00	pCi/L	U
3298	587144001	7/26/2022	BETA	2.33E+00	9.97E-01	2.78E+00	pCi/L	U
3298	590519001	8/22/2022	BETA	1.75E+00	1.14E+00	3.46E+00	pCi/L	U
3298	593610001	9/19/2022	BETA	2.86E+00	1.09E+00	2.97E+00	pCi/L	U
3298	597084001	10/17/2022	BETA	-1.34E+00	1.56E+00	2.90E+00	pCi/L	U
3298	600674001	11/14/2022	BETA	-8.91E-01	9.28E-01	3.22E+00	pCi/L	U
3298	603748001	12/12/2022	BETA	5.08E-01	7.07E-01	2.17E+00	pCi/L	U
3298	566834001	1/10/2022	Bismuth-214	2.61E+00	3.07E+00	7.07E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	569530001	2/7/2022	Bismuth-214	-1.33E-02	1.76E+00	3.95E+00	pCi/L	U
3298	572307001	3/8/2022	Bismuth-214	2.24E+00	3.18E+00	6.74E+00	pCi/L	U
3298	575136001	4/4/2022	Bismuth-214	5.61E+00	2.98E+00	6.07E+00	pCi/L	U
3298	578414001	5/2/2022	Bismuth-214	3.31E+00	3.20E+00	4.76E+00	pCi/L	U
3298	581369001	5/29/2022	Bismuth-214	-5.91E+00	4.11E+00	1.23E+01	pCi/L	U
3298	584139001	6/27/2022	Bismuth-214	5.19E+00	3.22E+00	1.09E+01	pCi/L	U
3298	587144001	7/26/2022	Bismuth-214	8.38E-01	2.62E+00	8.54E+00	pCi/L	U
3298	590519001	8/22/2022	Bismuth-214	1.12E+01	3.60E+00	1.02E+01	pCi/L	UI
3298	593610001	9/19/2022	Bismuth-214	7.14E+00	3.76E+00	8.80E+00	pCi/L	U
3298	597084001	10/17/2022	Bismuth-214	3.39E+00	4.21E+00	1.02E+01	pCi/L	U
3298	600674001	11/14/2022	Bismuth-214	-3.10E+00	2.90E+00	7.42E+00	pCi/L	U
3298	603748001	12/12/2022	Bismuth-214	3.38E+00	3.24E+00	3.90E+00	pCi/L	U
3298	566834001	1/10/2022	Cerium-141	-2.41E+00	1.87E+00	4.99E+00	pCi/L	U
3298	569530001	2/7/2022	Cerium-141	-3.05E+00	1.62E+00	3.24E+00	pCi/L	U
3298	572307001	3/8/2022	Cerium-141	-1.84E+00	1.95E+00	5.60E+00	pCi/L	U
3298	575136001	4/4/2022	Cerium-141	-3.58E+00	1.41E+00	4.08E+00	pCi/L	U
3298	578414001	5/2/2022	Cerium-141	2.08E-01	1.44E+00	4.84E+00	pCi/L	U
3298	581369001	5/29/2022	Cerium-141	3.80E+00	2.17E+00	7.93E+00	pCi/L	U
3298	584139001	6/27/2022	Cerium-141	-3.54E-01	2.19E+00	7.35E+00	pCi/L	U
3298	587144001	7/26/2022	Cerium-141	-2.67E+00	1.96E+00	5.80E+00	pCi/L	U
3298	590519001	8/22/2022	Cerium-141	-3.71E+00	1.95E+00	5.71E+00	pCi/L	U
3298	593610001	9/19/2022	Cerium-141	6.73E-01	3.01E+00	4.38E+00	pCi/L	U
3298	597084001	10/17/2022	Cerium-141	-9.91E-01	1.95E+00	6.01E+00	pCi/L	U
3298	600674001	11/14/2022	Cerium-141	1.48E-01	3.21E+00	6.66E+00	pCi/L	U
3298	603748001	12/12/2022	Cerium-141	2.74E-01	1.32E+00	4.06E+00	pCi/L	U
3298	566834001	1/10/2022	Cerium-144	2.56E+00	5.53E+00	1.82E+01	pCi/L	U
3298	569530001	2/7/2022	Cerium-144	-3.21E+00	4.89E+00	1.09E+01	pCi/L	U
3298	572307001	3/8/2022	Cerium-144	-2.13E+00	5.36E+00	1.72E+01	pCi/L	U
3298	575136001	4/4/2022	Cerium-144	-2.69E+00	4.61E+00	1.45E+01	pCi/L	U
3298	578414001	5/2/2022	Cerium-144	1.73E+00	4.44E+00	1.50E+01	pCi/L	U
3298	581369001	5/29/2022	Cerium-144	1.11E+01	7.42E+00	2.69E+01	pCi/L	U
3298	584139001	6/27/2022	Cerium-144	-9.26E+00	8.08E+00	2.60E+01	pCi/L	U
3298	587144001	7/26/2022	Cerium-144	-8.33E-01	6.74E+00	2.13E+01	pCi/L	U
3298	590519001	8/22/2022	Cerium-144	9.87E-01	6.52E+00	2.24E+01	pCi/L	U
3298	593610001	9/19/2022	Cerium-144	-1.06E+00	6.18E+00	1.98E+01	pCi/L	U
3298	597084001	10/17/2022	Cerium-144	-1.47E+01	7.67E+00	2.23E+01	pCi/L	U
3298	600674001	11/14/2022	Cerium-144	3.48E+00	6.42E+00	2.18E+01	pCi/L	U
3298	603748001	12/12/2022	Cerium-144	-1.38E+00	4.43E+00	1.50E+01	pCi/L	U
3298	566834001	1/10/2022	Cesium-134	1.16E+00	8.58E-01	3.03E+00	pCi/L	U
3298	569530001	2/7/2022	Cesium-134	-1.40E-01	4.99E-01	1.67E+00	pCi/L	U
3298	572307001	3/8/2022	Cesium-134	1.16E+00	8.28E-01	3.05E+00	pCi/L	U
3298	575136001	4/4/2022	Cesium-134	6.87E-01	7.24E-01	2.51E+00	pCi/L	U
3298	578414001	5/2/2022	Cesium-134	-1.16E-01	7.17E-01	2.34E+00	pCi/L	U
3298	581369001	5/29/2022	Cesium-134	6.19E-01	2.06E+00	7.12E+00	pCi/L	U
3298	584139001	6/27/2022	Cesium-134	9.94E-01	1.49E+00	4.80E+00	pCi/L	U
3298	587144001	7/26/2022	Cesium-134	-9.65E-01	1.20E+00	3.25E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	590519001	8/22/2022	Cesium-134	1.04E+00	1.10E+00	3.81E+00	pCi/L	U
3298	593610001	9/19/2022	Cesium-134	-8.52E-01	1.14E+00	2.81E+00	pCi/L	U
3298	597084001	10/17/2022	Cesium-134	-1.62E-01	1.28E+00	4.30E+00	pCi/L	U
3298	600674001	11/14/2022	Cesium-134	1.09E+00	9.53E-01	3.34E+00	pCi/L	U
3298	603748001	12/12/2022	Cesium-134	-9.49E-01	8.58E-01	2.22E+00	pCi/L	U
3298	566834001	1/10/2022	Cesium-137	-1.06E+00	8.31E-01	2.51E+00	pCi/L	U
3298	569530001	2/7/2022	Cesium-137	-7.49E-01	5.04E-01	1.50E+00	pCi/L	U
3298	572307001	3/8/2022	Cesium-137	1.40E+00	8.24E-01	2.94E+00	pCi/L	U
3298	575136001	4/4/2022	Cesium-137	6.77E-01	7.02E-01	2.44E+00	pCi/L	U
3298	578414001	5/2/2022	Cesium-137	-2.15E-01	7.14E-01	2.34E+00	pCi/L	U
3298	581369001	5/29/2022	Cesium-137	1.66E+00	2.21E+00	7.15E+00	pCi/L	U
3298	584139001	6/27/2022	Cesium-137	-2.42E+00	1.93E+00	5.08E+00	pCi/L	U
3298	587144001	7/26/2022	Cesium-137	-2.23E-01	1.32E+00	3.89E+00	pCi/L	U
3298	590519001	8/22/2022	Cesium-137	1.31E+00	1.13E+00	3.96E+00	pCi/L	U
3298	593610001	9/19/2022	Cesium-137	-7.46E-01	8.36E-01	2.45E+00	pCi/L	U
3298	597084001	10/17/2022	Cesium-137	-1.72E+00	1.16E+00	3.27E+00	pCi/L	U
3298	600674001	11/14/2022	Cesium-137	-2.95E+00	1.28E+00	2.89E+00	pCi/L	U
3298	603748001	12/12/2022	Cesium-137	6.08E-01	1.57E+00	2.22E+00	pCi/L	U
3298	566834001	1/10/2022	Chromium-51	-7.43E+00	8.04E+00	2.66E+01	pCi/L	U
3298	569530001	2/7/2022	Chromium-51	-7.71E+00	5.10E+00	1.66E+01	pCi/L	U
3298	572307001	3/8/2022	Chromium-51	6.90E+00	9.97E+00	3.17E+01	pCi/L	U
3298	575136001	4/4/2022	Chromium-51	-5.38E+00	7.23E+00	2.39E+01	pCi/L	U
3298	578414001	5/2/2022	Chromium-51	8.17E+00	8.12E+00	2.71E+01	pCi/L	U
3298	581369001	5/29/2022	Chromium-51	5.09E+00	1.75E+01	5.43E+01	pCi/L	U
3298	584139001	6/27/2022	Chromium-51	-1.39E+01	1.12E+01	3.37E+01	pCi/L	U
3298	587144001	7/26/2022	Chromium-51	6.32E-01	8.96E+00	3.02E+01	pCi/L	U
3298	590519001	8/22/2022	Chromium-51	-1.33E+01	1.01E+01	3.04E+01	pCi/L	U
3298	593610001	9/19/2022	Chromium-51	7.50E-01	7.65E+00	2.63E+01	pCi/L	U
3298	597084001	10/17/2022	Chromium-51	-8.61E+00	1.10E+01	3.55E+01	pCi/L	U
3298	600674001	11/14/2022	Chromium-51	6.37E+00	1.13E+01	3.71E+01	pCi/L	U
3298	603748001	12/12/2022	Chromium-51	-3.43E+00	6.04E+00	1.97E+01	pCi/L	U
3298	566834001	1/10/2022	Cobalt-57	1.50E+00	7.82E-01	2.52E+00	pCi/L	U
3298	569530001	2/7/2022	Cobalt-57	2.04E-01	4.39E-01	1.45E+00	pCi/L	U
3298	572307001	3/8/2022	Cobalt-57	2.75E-01	7.08E-01	2.35E+00	pCi/L	U
3298	575136001	4/4/2022	Cobalt-57	-7.63E-01	5.64E-01	1.73E+00	pCi/L	U
3298	578414001	5/2/2022	Cobalt-57	1.63E-01	5.72E-01	1.94E+00	pCi/L	U
3298	581369001	5/29/2022	Cobalt-57	1.22E+00	9.39E-01	3.39E+00	pCi/L	U
3298	584139001	6/27/2022	Cobalt-57	1.27E+00	1.00E+00	3.59E+00	pCi/L	U
3298	587144001	7/26/2022	Cobalt-57	2.94E-01	8.89E-01	2.88E+00	pCi/L	U
3298	590519001	8/22/2022	Cobalt-57	8.43E-01	8.29E-01	2.95E+00	pCi/L	U
3298	593610001	9/19/2022	Cobalt-57	-1.09E+00	7.77E-01	2.33E+00	pCi/L	U
3298	597084001	10/17/2022	Cobalt-57	1.91E-01	8.84E-01	2.84E+00	pCi/L	U
3298	600674001	11/14/2022	Cobalt-57	3.01E-01	8.38E-01	2.84E+00	pCi/L	U
3298	603748001	12/12/2022	Cobalt-57	-4.96E-01	5.86E-01	1.97E+00	pCi/L	U
3298	566834001	1/10/2022	Cobalt-58	5.02E-01	7.70E-01	2.61E+00	pCi/L	U
3298	569530001	2/7/2022	Cobalt-58	2.94E-01	5.06E-01	1.76E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	572307001	3/8/2022	Cobalt-58	1.05E+00	9.11E-01	3.29E+00	pCi/L	U
3298	575136001	4/4/2022	Cobalt-58	9.01E-01	6.74E-01	2.41E+00	pCi/L	U
3298	578414001	5/2/2022	Cobalt-58	5.37E-01	6.88E-01	2.35E+00	pCi/L	U
3298	581369001	5/29/2022	Cobalt-58	-1.35E+00	1.66E+00	5.18E+00	pCi/L	U
3298	584139001	6/27/2022	Cobalt-58	1.82E-01	1.35E+00	4.09E+00	pCi/L	U
3298	587144001	7/26/2022	Cobalt-58	5.89E-01	1.11E+00	3.67E+00	pCi/L	U
3298	590519001	8/22/2022	Cobalt-58	-1.21E+00	1.12E+00	2.81E+00	pCi/L	U
3298	593610001	9/19/2022	Cobalt-58	1.33E+00	9.16E-01	3.37E+00	pCi/L	U
3298	597084001	10/17/2022	Cobalt-58	3.57E-01	1.02E+00	3.20E+00	pCi/L	U
3298	600674001	11/14/2022	Cobalt-58	3.95E-01	8.88E-01	2.98E+00	pCi/L	U
3298	603748001	12/12/2022	Cobalt-58	-3.61E-01	6.32E-01	1.69E+00	pCi/L	U
3298	566834001	1/10/2022	Cobalt-60	1.92E+00	8.19E-01	3.23E+00	pCi/L	U
3298	569530001	2/7/2022	Cobalt-60	4.27E-02	4.84E-01	1.58E+00	pCi/L	U
3298	572307001	3/8/2022	Cobalt-60	-2.35E+00	1.22E+00	2.62E+00	pCi/L	U
3298	575136001	4/4/2022	Cobalt-60	-2.60E-01	7.91E-01	2.57E+00	pCi/L	U
3298	578414001	5/2/2022	Cobalt-60	-1.37E-03	8.22E-01	2.39E+00	pCi/L	U
3298	581369001	5/29/2022	Cobalt-60	-1.52E+00	1.75E+00	5.04E+00	pCi/L	U
3298	584139001	6/27/2022	Cobalt-60	-9.28E-01	1.07E+00	3.04E+00	pCi/L	U
3298	587144001	7/26/2022	Cobalt-60	-9.22E-01	1.13E+00	2.65E+00	pCi/L	U
3298	590519001	8/22/2022	Cobalt-60	2.01E+00	8.38E-01	3.68E+00	pCi/L	U
3298	593610001	9/19/2022	Cobalt-60	1.77E+00	9.80E-01	3.93E+00	pCi/L	U
3298	597084001	10/17/2022	Cobalt-60	-1.09E+00	9.03E-01	2.37E+00	pCi/L	U
3298	600674001	11/14/2022	Cobalt-60	-1.52E+00	9.95E-01	2.85E+00	pCi/L	U
3298	603748001	12/12/2022	Cobalt-60	-3.45E-01	6.45E-01	2.06E+00	pCi/L	U
3298	566834001	1/10/2022	Iodine-131	-1.17E+00	2.02E+00	6.70E+00	pCi/L	U
3298	569530001	2/7/2022	Iodine-131	5.77E-01	1.58E+00	5.37E+00	pCi/L	U
3298	572307001	3/8/2022	Iodine-131	8.19E-03	3.36E+00	1.13E+01	pCi/L	U
3298	575136001	4/4/2022	Iodine-131	-9.09E-02	2.50E-01	8.39E-01	pCi/L	U
3298	578414001	5/2/2022	Iodine-131	-2.10E-01	2.50E-01	8.51E-01	pCi/L	U
3298	581369001	5/29/2022	Iodine-131	7.54E-01	2.94E-01	9.05E-01	pCi/L	U
3298	584139001	6/27/2022	Iodine-131	3.70E-01	2.56E+00	8.45E+00	pCi/L	U
3298	584139001	6/27/2022	Iodine-131	2.57E-01	2.72E-01	8.62E-01	pCi/L	U
3298	587144001	7/26/2022	Iodine-131	3.50E-01	1.92E+00	6.49E+00	pCi/L	U
3298	587144001	7/26/2022	Iodine-131	3.51E-01	2.82E-01	9.01E-01	pCi/L	U
3298	590519001	8/22/2022	Iodine-131	-1.58E-01	2.28E+00	7.45E+00	pCi/L	U
3298	590519001	8/22/2022	Iodine-131	8.31E-01	2.83E-01	8.52E-01	pCi/L	U
3298	593610001	9/19/2022	Iodine-131	-3.48E-01	2.54E-01	8.64E-01	pCi/L	U
3298	597084001	10/17/2022	Iodine-131	-1.59E-01	2.65E-01	8.79E-01	pCi/L	U
3298	600674001	11/14/2022	Iodine-131	4.50E-02	2.62E-01	8.57E-01	pCi/L	U
3298	603748001	12/12/2022	Iodine-131	-9.49E-02	2.65E-01	8.80E-01	pCi/L	U
3298	566834001	1/10/2022	Iron-59	6.74E-01	1.54E+00	5.39E+00	pCi/L	U
3298	569530001	2/7/2022	Iron-59	-1.67E+00	1.15E+00	3.49E+00	pCi/L	U
3298	572307001	3/8/2022	Iron-59	3.93E-01	1.85E+00	6.21E+00	pCi/L	U
3298	575136001	4/4/2022	Iron-59	-6.08E-01	1.58E+00	5.20E+00	pCi/L	U
3298	578414001	5/2/2022	Iron-59	-3.37E-01	1.62E+00	5.13E+00	pCi/L	U
3298	581369001	5/29/2022	Iron-59	-8.84E+00	4.52E+00	1.22E+01	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	584139001	6/27/2022	Iron-59	2.33E+00	2.73E+00	8.97E+00	pCi/L	U
3298	587144001	7/26/2022	Iron-59	2.85E-01	2.09E+00	7.04E+00	pCi/L	U
3298	590519001	8/22/2022	Iron-59	2.66E+00	1.77E+00	6.94E+00	pCi/L	U
3298	593610001	9/19/2022	Iron-59	-2.12E+00	2.05E+00	6.21E+00	pCi/L	U
3298	597084001	10/17/2022	Iron-59	1.15E+00	2.26E+00	7.83E+00	pCi/L	U
3298	600674001	11/14/2022	Iron-59	1.09E+00	1.89E+00	6.62E+00	pCi/L	U
3298	603748001	12/12/2022	Iron-59	-3.35E+00	3.74E+00	4.71E+00	pCi/L	U
3298	566834001	1/10/2022	Lanthanum-140	-1.32E+00	1.67E+00	5.08E+00	pCi/L	U
3298	569530001	2/7/2022	Lanthanum-140	-1.10E+00	1.32E+00	4.22E+00	pCi/L	U
3298	572307001	3/8/2022	Lanthanum-140	1.77E+00	2.33E+00	8.39E+00	pCi/L	U
3298	575136001	4/4/2022	Lanthanum-140	-3.02E+00	1.80E+00	4.75E+00	pCi/L	U
3298	578414001	5/2/2022	Lanthanum-140	2.38E-01	1.81E+00	5.25E+00	pCi/L	U
3298	581369001	5/29/2022	Lanthanum-140	-1.13E+00	4.52E+00	1.42E+01	pCi/L	U
3298	584139001	6/27/2022	Lanthanum-140	-8.95E-01	2.81E+00	8.79E+00	pCi/L	U
3298	587144001	7/26/2022	Lanthanum-140	1.07E-01	2.16E+00	6.99E+00	pCi/L	U
3298	590519001	8/22/2022	Lanthanum-140	2.43E+00	2.05E+00	7.68E+00	pCi/L	U
3298	593610001	9/19/2022	Lanthanum-140	-1.98E+00	1.38E+00	3.49E+00	pCi/L	U
3298	597084001	10/17/2022	Lanthanum-140	1.07E+00	1.96E+00	6.74E+00	pCi/L	U
3298	600674001	11/14/2022	Lanthanum-140	7.78E-01	1.95E+00	6.67E+00	pCi/L	U
3298	603748001	12/12/2022	Lanthanum-140	-5.87E-01	1.36E+00	4.34E+00	pCi/L	U
3298	566834001	1/10/2022	Lead-210	1.57E+00	1.38E+02	3.98E+02	pCi/L	U
3298	569530001	2/7/2022	Lead-210	3.69E+02	1.69E+02	6.10E+02	pCi/L	U
3298	572307001	3/8/2022	Lead-210	1.84E+02	2.73E+02	9.60E+02	pCi/L	U
3298	575136001	4/4/2022	Lead-210	1.54E+01	1.19E+02	2.12E+02	pCi/L	U
3298	578414001	5/2/2022	Lead-210	-7.53E+01	6.32E+01	1.51E+02	pCi/L	U
3298	581369001	5/29/2022	Lead-210	9.21E+01	5.39E+01	8.41E+01	pCi/L	UI
3298	584139001	6/27/2022	Lead-210	7.28E+01	4.38E+02	1.36E+03	pCi/L	U
3298	587144001	7/26/2022	Lead-210	-8.55E+01	7.19E+01	2.25E+02	pCi/L	U
3298	590519001	8/22/2022	Lead-210	6.80E+01	8.85E+01	2.81E+02	pCi/L	U
3298	593610001	9/19/2022	Lead-210	-2.39E+02	1.68E+02	5.18E+02	pCi/L	U
3298	597084001	10/17/2022	Lead-210	7.37E+01	1.08E+02	1.72E+02	pCi/L	U
3298	600674001	11/14/2022	Lead-210	-3.89E+01	3.41E+02	1.06E+03	pCi/L	U
3298	603748001	12/12/2022	Lead-210	-3.82E+02	2.26E+02	5.54E+02	pCi/L	U
3298	566834001	1/10/2022	Lead-212	-1.32E+00	2.04E+00	5.64E+00	pCi/L	U
3298	569530001	2/7/2022	Lead-212	2.36E+00	1.93E+00	3.70E+00	pCi/L	U
3298	572307001	3/8/2022	Lead-212	1.65E+00	3.24E+00	5.84E+00	pCi/L	U
3298	575136001	4/4/2022	Lead-212	2.18E+00	1.91E+00	4.96E+00	pCi/L	U
3298	578414001	5/2/2022	Lead-212	3.39E+00	2.66E+00	4.76E+00	pCi/L	U
3298	581369001	5/29/2022	Lead-212	1.53E+01	6.64E+00	7.46E+00	pCi/L	UI
3298	584139001	6/27/2022	Lead-212	-1.89E+00	2.74E+00	8.53E+00	pCi/L	U
3298	587144001	7/26/2022	Lead-212	7.35E-01	2.90E+00	5.91E+00	pCi/L	U
3298	590519001	8/22/2022	Lead-212	1.02E+01	3.96E+00	7.50E+00	pCi/L	UI
3298	593610001	9/19/2022	Lead-212	2.65E+00	3.51E+00	9.35E+00	pCi/L	U
3298	597084001	10/17/2022	Lead-212	9.74E-01	4.04E+00	7.90E+00	pCi/L	U
3298	600674001	11/14/2022	Lead-212	5.05E+00	3.24E+00	7.58E+00	pCi/L	U
3298	603748001	12/12/2022	Lead-212	1.45E+00	2.09E+00	3.98E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	566834001	1/10/2022	Lead-214	-2.43E+00	2.41E+00	6.89E+00	pCi/L	U
3298	569530001	2/7/2022	Lead-214	-7.96E-01	1.70E+00	3.93E+00	pCi/L	U
3298	572307001	3/8/2022	Lead-214	-1.10E+00	2.38E+00	6.88E+00	pCi/L	U
3298	575136001	4/4/2022	Lead-214	2.03E-01	1.88E+00	5.53E+00	pCi/L	U
3298	578414001	5/2/2022	Lead-214	5.01E+00	2.88E+00	6.21E+00	pCi/L	U
3298	581369001	5/29/2022	Lead-214	1.36E+01	8.94E+00	1.19E+01	pCi/L	UI
3298	584139001	6/27/2022	Lead-214	3.31E+00	4.12E+00	1.14E+01	pCi/L	U
3298	587144001	7/26/2022	Lead-214	4.73E+00	4.73E+00	8.29E+00	pCi/L	U
3298	590519001	8/22/2022	Lead-214	5.14E+00	2.83E+00	1.00E+01	pCi/L	U
3298	593610001	9/19/2022	Lead-214	-1.21E+00	2.31E+00	7.17E+00	pCi/L	U
3298	597084001	10/17/2022	Lead-214	-2.81E+00	2.56E+00	7.79E+00	pCi/L	U
3298	600674001	11/14/2022	Lead-214	-2.24E+00	2.59E+00	7.05E+00	pCi/L	U
3298	603748001	12/12/2022	Lead-214	6.02E+00	2.97E+00	4.56E+00	pCi/L	UI
3298	566834001	1/10/2022	Manganese-54	2.72E-01	7.27E-01	2.41E+00	pCi/L	U
3298	569530001	2/7/2022	Manganese-54	-1.08E-01	4.62E-01	1.55E+00	pCi/L	U
3298	572307001	3/8/2022	Manganese-54	-8.46E-02	7.74E-01	2.60E+00	pCi/L	U
3298	575136001	4/4/2022	Manganese-54	-1.35E+00	7.40E-01	1.66E+00	pCi/L	U
3298	578414001	5/2/2022	Manganese-54	-8.26E-01	6.27E-01	1.90E+00	pCi/L	U
3298	581369001	5/29/2022	Manganese-54	4.78E+00	1.90E+00	4.62E+00	pCi/L	UI
3298	584139001	6/27/2022	Manganese-54	-2.52E-02	1.25E+00	4.22E+00	pCi/L	U
3298	587144001	7/26/2022	Manganese-54	7.54E+00	1.50E+00	3.27E+00	pCi/L	UI
3298	590519001	8/22/2022	Manganese-54	-1.98E-03	9.91E-01	3.34E+00	pCi/L	U
3298	593610001	9/19/2022	Manganese-54	5.56E-01	8.96E-01	2.80E+00	pCi/L	U
3298	597084001	10/17/2022	Manganese-54	-1.38E+00	1.01E+00	3.00E+00	pCi/L	U
3298	600674001	11/14/2022	Manganese-54	-7.39E-02	9.01E-01	2.91E+00	pCi/L	U
3298	603748001	12/12/2022	Manganese-54	1.84E-01	5.90E-01	2.04E+00	pCi/L	U
3298	566834001	1/10/2022	Molybdenum-99	-3.72E+01	1.07E+02	3.40E+02	pCi/L	U
3298	569530001	2/7/2022	Molybdenum-99	-8.98E+01	1.66E+02	4.52E+02	pCi/L	U
3298	572307001	3/8/2022	Molybdenum-99	-4.70E+01	4.70E+02	1.48E+03	pCi/L	U
3298	575136001	4/4/2022	Molybdenum-99	6.13E+02	3.51E+02	1.17E+03	pCi/L	U
3298	578414001	5/2/2022	Molybdenum-99	6.48E+02	3.68E+02	7.95E+02	pCi/L	U
3298	581369001	5/29/2022	Molybdenum-99	-1.52E+01	1.84E+02	6.22E+02	pCi/L	U
3298	584139001	6/27/2022	Molybdenum-99	-1.32E+02	9.87E+01	3.00E+02	pCi/L	U
3298	587144001	7/26/2022	Molybdenum-99	5.37E+01	7.75E+01	2.63E+02	pCi/L	U
3298	590519001	8/22/2022	Molybdenum-99	-6.82E+01	8.81E+01	2.76E+02	pCi/L	U
3298	593610001	9/19/2022	Molybdenum-99	-9.62E+00	1.70E+01	5.14E+01	pCi/L	U
3298	597084001	10/17/2022	Molybdenum-99	1.60E+02	1.06E+02	2.65E+02	pCi/L	U
3298	600674001	11/14/2022	Molybdenum-99	2.53E+02	3.29E+02	1.12E+03	pCi/L	U
3298	603748001	12/12/2022	Molybdenum-99	1.47E+01	4.78E+01	1.55E+02	pCi/L	U
3298	566834001	1/10/2022	Niobium-95	1.66E-01	9.07E-01	2.97E+00	pCi/L	U
3298	569530001	2/7/2022	Niobium-95	-3.21E-01	4.75E-01	1.57E+00	pCi/L	U
3298	572307001	3/8/2022	Niobium-95	-5.89E-01	9.74E-01	3.20E+00	pCi/L	U
3298	575136001	4/4/2022	Niobium-95	-5.96E-01	7.42E-01	2.25E+00	pCi/L	U
3298	578414001	5/2/2022	Niobium-95	-1.43E+00	7.19E-01	2.12E+00	pCi/L	U
3298	581369001	5/29/2022	Niobium-95	-3.18E+00	1.37E+00	3.35E+00	pCi/L	U
3298	584139001	6/27/2022	Niobium-95	-7.36E-02	1.06E+00	3.57E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	587144001	7/26/2022	Niobium-95	-2.73E-01	1.24E+00	3.39E+00	pCi/L	U
3298	590519001	8/22/2022	Niobium-95	1.62E+00	1.06E+00	4.01E+00	pCi/L	U
3298	593610001	9/19/2022	Niobium-95	2.49E+00	1.41E+00	2.28E+00	pCi/L	UI
3298	597084001	10/17/2022	Niobium-95	-6.46E-01	9.81E-01	2.88E+00	pCi/L	U
3298	600674001	11/14/2022	Niobium-95	1.33E-01	1.05E+00	3.46E+00	pCi/L	U
3298	603748001	12/12/2022	Niobium-95	5.38E-01	7.36E-01	2.42E+00	pCi/L	U
3298	566834001	1/10/2022	Potassium-40	-1.30E+01	1.51E+01	4.06E+01	pCi/L	U
3298	569530001	2/7/2022	Potassium-40	1.34E+00	1.31E+01	1.76E+01	pCi/L	U
3298	572307001	3/8/2022	Potassium-40	-2.76E+01	1.23E+01	3.50E+01	pCi/L	U
3298	575136001	4/4/2022	Potassium-40	-5.20E+00	1.16E+01	3.60E+01	pCi/L	U
3298	578414001	5/2/2022	Potassium-40	4.36E+00	1.48E+01	2.05E+01	pCi/L	U
3298	581369001	5/29/2022	Potassium-40	-2.13E+01	2.49E+01	7.30E+01	pCi/L	U
3298	584139001	6/27/2022	Potassium-40	-5.02E+00	1.68E+01	5.68E+01	pCi/L	U
3298	587144001	7/26/2022	Potassium-40	-7.95E+00	1.52E+01	5.47E+01	pCi/L	U
3298	590519001	8/22/2022	Potassium-40	1.00E+01	1.55E+01	5.44E+01	pCi/L	U
3298	593610001	9/19/2022	Potassium-40	-1.67E+01	1.50E+01	5.03E+01	pCi/L	U
3298	597084001	10/17/2022	Potassium-40	-1.77E+01	1.41E+01	4.90E+01	pCi/L	U
3298	600674001	11/14/2022	Potassium-40	5.97E+01	1.25E+01	1.91E+01	pCi/L	
3298	603748001	12/12/2022	Potassium-40	2.10E+01	9.05E+00	2.05E+01	pCi/L	UI
3298	566834001	1/10/2022	Radium-226	6.03E+01	3.70E+01	5.37E+01	pCi/L	UI
3298	569530001	2/7/2022	Radium-226	2.26E+01	2.61E+01	3.34E+01	pCi/L	U
3298	572307001	3/8/2022	Radium-226	4.08E+01	3.37E+01	5.14E+01	pCi/L	U
3298	575136001	4/4/2022	Radium-226	1.09E+00	2.74E+01	4.23E+01	pCi/L	U
3298	578414001	5/2/2022	Radium-226	3.84E+01	2.95E+01	4.58E+01	pCi/L	U
3298	581369001	5/29/2022	Radium-226	5.55E+01	4.98E+01	8.38E+01	pCi/L	U
3298	584139001	6/27/2022	Radium-226	1.46E+01	4.93E+01	7.38E+01	pCi/L	U
3298	587144001	7/26/2022	Radium-226	1.93E+00	2.88E+01	9.53E+01	pCi/L	U
3298	590519001	8/22/2022	Radium-226	1.05E+01	4.74E+01	6.68E+01	pCi/L	U
3298	593610001	9/19/2022	Radium-226	5.28E+00	4.19E+01	6.72E+01	pCi/L	U
3298	597084001	10/17/2022	Radium-226	4.52E+01	4.00E+01	7.21E+01	pCi/L	U
3298	600674001	11/14/2022	Radium-226	1.13E+01	3.91E+01	6.41E+01	pCi/L	U
3298	603748001	12/12/2022	Radium-226	-2.51E+01	2.64E+01	6.59E+01	pCi/L	U
3298	566834001	1/10/2022	Radium-228	-3.45E+00	4.37E+00	1.25E+01	pCi/L	U
3298	569530001	2/7/2022	Radium-228	-2.62E+00	2.99E+00	7.08E+00	pCi/L	U
3298	572307001	3/8/2022	Radium-228	7.18E+00	5.33E+00	9.61E+00	pCi/L	U
3298	575136001	4/4/2022	Radium-228	-2.96E+00	4.09E+00	1.14E+01	pCi/L	U
3298	578414001	5/2/2022	Radium-228	-2.64E+00	3.48E+00	9.28E+00	pCi/L	U
3298	581369001	5/29/2022	Radium-228	5.26E-01	7.92E+00	2.66E+01	pCi/L	U
3298	584139001	6/27/2022	Radium-228	-5.97E+00	4.94E+00	1.52E+01	pCi/L	U
3298	587144001	7/26/2022	Radium-228	3.06E+00	4.88E+00	1.57E+01	pCi/L	U
3298	590519001	8/22/2022	Radium-228	1.96E+01	5.73E+00	1.75E+01	pCi/L	UI
3298	593610001	9/19/2022	Radium-228	-4.50E+00	5.25E+00	1.34E+01	pCi/L	U
3298	597084001	10/17/2022	Radium-228	8.17E-01	3.89E+00	1.37E+01	pCi/L	U
3298	600674001	11/14/2022	Radium-228	2.87E-02	7.62E+00	1.65E+01	pCi/L	U
3298	603748001	12/12/2022	Radium-228	3.67E+00	6.67E+00	9.79E+00	pCi/L	U
3298	566834001	1/10/2022	Ruthenium-103	-4.01E-01	9.54E-01	3.13E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	569530001	2/7/2022	Ruthenium-103	2.92E-01	5.85E-01	1.96E+00	pCi/L	U
3298	572307001	3/8/2022	Ruthenium-103	-1.10E+00	1.11E+00	3.02E+00	pCi/L	U
3298	575136001	4/4/2022	Ruthenium-103	-7.57E-01	7.29E-01	2.27E+00	pCi/L	U
3298	578414001	5/2/2022	Ruthenium-103	-1.93E+00	7.86E-01	2.41E+00	pCi/L	U
3298	581369001	5/29/2022	Ruthenium-103	-4.29E+00	1.90E+00	5.03E+00	pCi/L	U
3298	584139001	6/27/2022	Ruthenium-103	-1.55E+00	1.37E+00	3.99E+00	pCi/L	U
3298	587144001	7/26/2022	Ruthenium-103	-5.84E-02	1.12E+00	3.64E+00	pCi/L	U
3298	590519001	8/22/2022	Ruthenium-103	-1.15E+00	1.42E+00	3.74E+00	pCi/L	U
3298	593610001	9/19/2022	Ruthenium-103	3.21E+00	8.64E-01	2.98E+00	pCi/L	UI
3298	597084001	10/17/2022	Ruthenium-103	-1.81E+00	1.10E+00	3.14E+00	pCi/L	U
3298	600674001	11/14/2022	Ruthenium-103	1.56E+00	1.19E+00	3.82E+00	pCi/L	U
3298	603748001	12/12/2022	Ruthenium-103	-1.01E+00	7.76E-01	2.09E+00	pCi/L	U
3298	566834001	1/10/2022	Ruthenium-106	-1.93E-01	7.70E+00	2.53E+01	pCi/L	U
3298	569530001	2/7/2022	Ruthenium-106	2.01E+00	4.43E+00	1.46E+01	pCi/L	U
3298	572307001	3/8/2022	Ruthenium-106	-1.07E+01	7.35E+00	2.13E+01	pCi/L	U
3298	575136001	4/4/2022	Ruthenium-106	-1.07E+01	6.19E+00	1.80E+01	pCi/L	U
3298	578414001	5/2/2022	Ruthenium-106	-9.52E-02	5.67E+00	1.89E+01	pCi/L	U
3298	581369001	5/29/2022	Ruthenium-106	-1.39E+01	1.83E+01	4.75E+01	pCi/L	U
3298	584139001	6/27/2022	Ruthenium-106	-1.52E+01	1.00E+01	2.64E+01	pCi/L	U
3298	587144001	7/26/2022	Ruthenium-106	-1.54E+01	1.06E+01	3.00E+01	pCi/L	U
3298	590519001	8/22/2022	Ruthenium-106	-2.08E+01	9.23E+00	2.22E+01	pCi/L	U
3298	593610001	9/19/2022	Ruthenium-106	-1.76E-01	7.96E+00	2.32E+01	pCi/L	U
3298	597084001	10/17/2022	Ruthenium-106	-1.44E+00	8.61E+00	2.73E+01	pCi/L	U
3298	600674001	11/14/2022	Ruthenium-106	-4.05E+00	8.41E+00	2.71E+01	pCi/L	U
3298	603748001	12/12/2022	Ruthenium-106	2.34E+00	5.81E+00	1.90E+01	pCi/L	U
3298	566834001	1/10/2022	Selenium-75	-9.47E-01	1.20E+00	3.61E+00	pCi/L	U
3298	569530001	2/7/2022	Selenium-75	-7.60E-01	6.53E-01	2.18E+00	pCi/L	U
3298	572307001	3/8/2022	Selenium-75	1.58E+00	1.08E+00	3.92E+00	pCi/L	U
3298	575136001	4/4/2022	Selenium-75	7.38E-01	9.26E-01	3.00E+00	pCi/L	U
3298	578414001	5/2/2022	Selenium-75	6.35E-01	9.20E-01	3.06E+00	pCi/L	U
3298	581369001	5/29/2022	Selenium-75	5.56E-01	1.91E+00	6.47E+00	pCi/L	U
3298	584139001	6/27/2022	Selenium-75	-8.92E-02	1.50E+00	4.93E+00	pCi/L	U
3298	587144001	7/26/2022	Selenium-75	-1.47E-01	1.47E+00	4.83E+00	pCi/L	U
3298	590519001	8/22/2022	Selenium-75	8.67E-01	1.42E+00	4.88E+00	pCi/L	U
3298	593610001	9/19/2022	Selenium-75	-5.25E-01	1.31E+00	3.97E+00	pCi/L	U
3298	597084001	10/17/2022	Selenium-75	2.70E+00	1.28E+00	4.77E+00	pCi/L	U
3298	600674001	11/14/2022	Selenium-75	5.65E-01	1.31E+00	4.32E+00	pCi/L	U
3298	603748001	12/12/2022	Selenium-75	8.58E-03	8.55E-01	2.85E+00	pCi/L	U
3298	566834001	1/10/2022	Silver-108m	2.55E+00	1.60E+00	3.00E+00	pCi/L	U
3298	569530001	2/7/2022	Silver-108m	-2.95E-01	4.24E-01	1.38E+00	pCi/L	U
3298	572307001	3/8/2022	Silver-108m	-5.54E-01	6.43E-01	2.03E+00	pCi/L	U
3298	575136001	4/4/2022	Silver-108m	4.02E-01	5.95E-01	1.98E+00	pCi/L	U
3298	578414001	5/2/2022	Silver-108m	3.75E-01	6.36E-01	2.06E+00	pCi/L	U
3298	581369001	5/29/2022	Silver-108m	3.88E+00	1.37E+00	5.29E+00	pCi/L	U
3298	584139001	6/27/2022	Silver-108m	-3.04E-01	1.08E+00	3.44E+00	pCi/L	U
3298	587144001	7/26/2022	Silver-108m	2.41E-01	8.34E-01	2.80E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	590519001	8/22/2022	Silver-108m	2.54E+00	1.32E+00	2.96E+00	pCi/L	U
3298	593610001	9/19/2022	Silver-108m	-2.23E-01	6.96E-01	2.27E+00	pCi/L	U
3298	597084001	10/17/2022	Silver-108m	9.77E-01	8.35E-01	2.97E+00	pCi/L	U
3298	600674001	11/14/2022	Silver-108m	-6.40E-01	8.11E-01	2.65E+00	pCi/L	U
3298	603748001	12/12/2022	Silver-108m	1.84E-02	5.85E-01	1.92E+00	pCi/L	U
3298	566834001	1/10/2022	Silver-110m	-1.77E+00	1.18E+00	3.35E+00	pCi/L	U
3298	569530001	2/7/2022	Silver-110m	5.99E-01	6.21E-01	2.18E+00	pCi/L	U
3298	572307001	3/8/2022	Silver-110m	-2.91E-01	1.01E+00	3.30E+00	pCi/L	U
3298	575136001	4/4/2022	Silver-110m	-2.38E+00	9.23E-01	2.23E+00	pCi/L	U
3298	578414001	5/2/2022	Silver-110m	-2.61E-02	7.97E-01	2.59E+00	pCi/L	U
3298	581369001	5/29/2022	Silver-110m	6.38E-01	2.53E+00	8.71E+00	pCi/L	U
3298	584139001	6/27/2022	Silver-110m	-6.21E-01	1.67E+00	5.42E+00	pCi/L	U
3298	587144001	7/26/2022	Silver-110m	-6.16E-01	1.12E+00	3.55E+00	pCi/L	U
3298	590519001	8/22/2022	Silver-110m	-2.65E+00	1.39E+00	3.73E+00	pCi/L	U
3298	593610001	9/19/2022	Silver-110m	2.00E+00	1.31E+00	4.56E+00	pCi/L	U
3298	597084001	10/17/2022	Silver-110m	-2.01E+00	1.44E+00	4.24E+00	pCi/L	U
3298	600674001	11/14/2022	Silver-110m	2.39E-01	1.20E+00	3.94E+00	pCi/L	U
3298	603748001	12/12/2022	Silver-110m	1.44E+00	8.72E-01	2.91E+00	pCi/L	U
3298	566834001	1/10/2022	Tellurium-132	-4.65E+00	8.23E+00	2.54E+01	pCi/L	U
3298	569530001	2/7/2022	Tellurium-132	-3.87E-01	9.80E+00	3.07E+01	pCi/L	U
3298	572307001	3/8/2022	Tellurium-132	-1.81E+00	3.17E+01	9.92E+01	pCi/L	U
3298	575136001	4/4/2022	Tellurium-132	8.91E+00	1.99E+01	6.36E+01	pCi/L	U
3298	578414001	5/2/2022	Tellurium-132	9.26E-01	1.82E+01	5.98E+01	pCi/L	U
3298	581369001	5/29/2022	Tellurium-132	2.86E+01	1.37E+01	5.02E+01	pCi/L	U
3298	584139001	6/27/2022	Tellurium-132	3.22E+00	7.60E+00	2.58E+01	pCi/L	U
3298	587144001	7/26/2022	Tellurium-132	-2.98E+00	5.86E+00	1.95E+01	pCi/L	U
3298	590519001	8/22/2022	Tellurium-132	1.22E+01	7.23E+00	2.63E+01	pCi/L	U
3298	593610001	9/19/2022	Tellurium-132	2.26E+00	1.85E+00	6.25E+00	pCi/L	U
3298	597084001	10/17/2022	Tellurium-132	-3.66E+00	6.00E+00	2.00E+01	pCi/L	U
3298	600674001	11/14/2022	Tellurium-132	-3.52E+01	2.23E+01	6.87E+01	pCi/L	U
3298	603748001	12/12/2022	Tellurium-132	4.14E+00	4.28E+00	1.47E+01	pCi/L	U
3298	566834001	1/10/2022	Thallium-208	-8.16E-01	1.31E+00	3.59E+00	pCi/L	U
3298	569530001	2/7/2022	Thallium-208	-8.22E-01	8.41E-01	1.98E+00	pCi/L	U
3298	572307001	3/8/2022	Thallium-208	1.13E+00	1.09E+00	3.18E+00	pCi/L	U
3298	575136001	4/4/2022	Thallium-208	-1.36E-01	9.64E-01	2.70E+00	pCi/L	U
3298	578414001	5/2/2022	Thallium-208	9.74E-01	1.35E+00	2.19E+00	pCi/L	U
3298	581369001	5/29/2022	Thallium-208	-4.54E+00	2.15E+00	5.40E+00	pCi/L	U
3298	584139001	6/27/2022	Thallium-208	7.84E-01	1.57E+00	5.06E+00	pCi/L	U
3298	587144001	7/26/2022	Thallium-208	-9.53E-01	1.30E+00	4.09E+00	pCi/L	U
3298	590519001	8/22/2022	Thallium-208	-1.02E+00	1.46E+00	4.18E+00	pCi/L	U
3298	593610001	9/19/2022	Thallium-208	2.56E-01	1.60E+00	3.40E+00	pCi/L	U
3298	597084001	10/17/2022	Thallium-208	2.93E-01	1.23E+00	3.95E+00	pCi/L	U
3298	600674001	11/14/2022	Thallium-208	-1.38E+00	1.31E+00	3.58E+00	pCi/L	U
3298	603748001	12/12/2022	Thallium-208	3.61E-01	1.30E+00	2.02E+00	pCi/L	U
3298	566834001	1/10/2022	Thorium-228	-1.32E+00	2.04E+00	5.64E+00	pCi/L	U
3298	569530001	2/7/2022	Thorium-228	2.36E+00	1.93E+00	3.70E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	572307001	3/8/2022	Thorium-228	1.65E+00	3.24E+00	5.84E+00	pCi/L	U
3298	575136001	4/4/2022	Thorium-228	2.18E+00	1.91E+00	4.96E+00	pCi/L	U
3298	578414001	5/2/2022	Thorium-228	3.39E+00	2.66E+00	4.76E+00	pCi/L	U
3298	581369001	5/29/2022	Thorium-228	1.53E+01	6.64E+00	7.46E+00	pCi/L	UI
3298	584139001	6/27/2022	Thorium-228	-1.89E+00	2.74E+00	8.53E+00	pCi/L	U
3298	587144001	7/26/2022	Thorium-228	7.35E-01	2.90E+00	5.91E+00	pCi/L	U
3298	590519001	8/22/2022	Thorium-228	1.02E+01	3.96E+00	7.50E+00	pCi/L	UI
3298	593610001	9/19/2022	Thorium-228	2.65E+00	3.51E+00	9.35E+00	pCi/L	U
3298	597084001	10/17/2022	Thorium-228	9.74E-01	4.04E+00	7.90E+00	pCi/L	U
3298	600674001	11/14/2022	Thorium-228	5.05E+00	3.24E+00	7.58E+00	pCi/L	U
3298	603748001	12/12/2022	Thorium-228	1.45E+00	2.09E+00	3.98E+00	pCi/L	U
3298	566834001	1/10/2022	Thorium-230	-2.23E+02	3.56E+02	1.02E+03	pCi/L	U
3298	569530001	2/7/2022	Thorium-230	2.57E+03	7.07E+02	8.07E+02	pCi/L	UI
3298	572307001	3/8/2022	Thorium-230	-8.87E+02	4.89E+02	1.25E+03	pCi/L	U
3298	575136001	4/4/2022	Thorium-230	9.33E+02	4.13E+02	6.87E+02	pCi/L	UI
3298	578414001	5/2/2022	Thorium-230	6.92E+02	2.48E+02	6.50E+02	pCi/L	UI
3298	581369001	5/29/2022	Thorium-230	5.57E+02	2.88E+02	9.78E+02	pCi/L	U
3298	584139001	6/27/2022	Thorium-230	1.52E+03	7.00E+02	2.06E+03	pCi/L	U
3298	587144001	7/26/2022	Thorium-230	3.28E+02	4.60E+02	9.65E+02	pCi/L	U
3298	590519001	8/22/2022	Thorium-230	1.05E+03	6.22E+02	9.49E+02	pCi/L	UI
3298	593610001	9/19/2022	Thorium-230	-4.63E+01	3.69E+02	1.10E+03	pCi/L	U
3298	597084001	10/17/2022	Thorium-230	1.15E+03	4.40E+02	9.67E+02	pCi/L	UI
3298	600674001	11/14/2022	Thorium-230	4.19E+01	4.75E+02	1.63E+03	pCi/L	U
3298	603748001	12/12/2022	Thorium-230	-2.14E+02	4.45E+02	1.11E+03	pCi/L	U
3298	566834001	1/10/2022	Thorium-232	-8.19E+02	6.97E+02	2.00E+03	pCi/L	U
3298	569530001	2/7/2022	Thorium-232	1.36E+03	9.25E+02	1.42E+03	pCi/L	U
3298	572307001	3/8/2022	Thorium-232	2.75E+03	1.26E+03	2.38E+03	pCi/L	UI
3298	575136001	4/4/2022	Thorium-232	1.26E+03	7.62E+02	1.15E+03	pCi/L	UI
3298	578414001	5/2/2022	Thorium-232	5.31E+02	8.14E+02	1.08E+03	pCi/L	U
3298	581369001	5/29/2022	Thorium-232	5.52E+01	5.12E+02	1.71E+03	pCi/L	U
3298	584139001	6/27/2022	Thorium-232	3.91E+02	2.03E+03	3.30E+03	pCi/L	U
3298	587144001	7/26/2022	Thorium-232	1.62E+02	6.01E+02	1.55E+03	pCi/L	U
3298	590519001	8/22/2022	Thorium-232	1.58E+03	9.95E+02	1.63E+03	pCi/L	U
3298	593610001	9/19/2022	Thorium-232	5.99E+02	9.83E+02	2.00E+03	pCi/L	U
3298	597084001	10/17/2022	Thorium-232	1.02E+03	7.24E+02	1.54E+03	pCi/L	U
3298	600674001	11/14/2022	Thorium-232	-2.41E+03	1.18E+03	3.41E+03	pCi/L	U
3298	603748001	12/12/2022	Thorium-232	2.15E+02	1.33E+03	2.03E+03	pCi/L	U
3298	575136001	4/4/2022	Thorium-234	8.84E+01	5.36E+01	1.16E+02	pCi/L	U
3298	578414001	5/2/2022	Thorium-234	3.73E+01	5.72E+01	7.73E+01	pCi/L	U
3298	581369001	5/29/2022	Thorium-234	-1.23E+01	3.64E+01	1.20E+02	pCi/L	U
3298	593610001	9/19/2022	Thorium-234	4.21E+01	6.91E+01	1.44E+02	pCi/L	U
3298	597084001	10/17/2022	Thorium-234	7.18E+01	5.09E+01	1.47E+02	pCi/L	U
3298	600674001	11/14/2022	Thorium-234	-9.45E+01	8.50E+01	2.51E+02	pCi/L	U
3298	603748001	12/12/2022	Thorium-234	1.51E+01	9.34E+01	1.47E+02	pCi/L	U
3298	566834001	1/10/2022	Tritium	6.31E+02	1.01E+02	2.86E+02	pCi/L	U
3298	569530001	2/7/2022	Tritium	1.03E+02	8.74E+01	2.80E+02	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	578162002	3/8/2022	Tritium	1.28E+02	1.82E+02	5.78E+02	pCi/L	U
3298	578162002	3/8/2022	Tritium	1.28E+02	1.82E+02	5.78E+02	pCi/L	U
3298	572307001	3/8/2022	Tritium	-7.92E+01	1.12E+02	3.73E+02	pCi/L	U
3298	575136001	4/4/2022	Tritium	-2.82E+01	2.00E+02	3.37E+02	pCi/L	U
3298	578414001	5/2/2022	Tritium	1.05E+02	1.04E+02	3.37E+02	pCi/L	U
3298	581369001	5/29/2022	Tritium	1.69E+02	1.01E+02	3.18E+02	pCi/L	U
3298	584139001	6/27/2022	Tritium	-4.64E+01	1.03E+02	3.43E+02	pCi/L	U
3298	587144001	7/26/2022	Tritium	2.89E+02	1.05E+02	2.76E+02	pCi/L	M
3298	590519001	8/22/2022	Tritium	1.18E+02	9.66E+01	3.08E+02	pCi/L	U
3298	600472002	9/19/2022	Tritium	5.89E+01	2.01E+02	6.57E+02	pCi/L	U
3298	593610001	9/19/2022	Tritium	1.93E+02	9.16E+01	2.82E+02	pCi/L	U
3298	597084001	10/17/2022	Tritium	-8.60E+01	9.64E+01	3.24E+02	pCi/L	U
3298	600674001	11/14/2022	Tritium	6.75E+01	9.48E+01	3.02E+02	pCi/L	U
3298	609541002	12/12/2022	Tritium	-9.49E+01	2.34E+02	7.79E+02	pCi/L	U
3298	603748001	12/12/2022	Tritium	3.38E+01	8.82E+01	2.87E+02	pCi/L	U
3298	566834001	1/10/2022	Uranium-234	3.91E+03	2.08E+03	7.40E+03	pCi/L	U
3298	569530001	2/7/2022	Uranium-234	1.37E+04	4.62E+03	7.03E+03	pCi/L	UI
3298	572307001	3/8/2022	Uranium-234	2.08E+03	3.68E+03	1.28E+04	pCi/L	U
3298	575136001	4/4/2022	Uranium-234	1.19E+03	1.30E+03	4.47E+03	pCi/L	U
3298	578414001	5/2/2022	Uranium-234	4.96E+03	1.66E+03	2.94E+03	pCi/L	UI
3298	581369001	5/29/2022	Uranium-234	-8.06E+02	8.61E+02	2.62E+03	pCi/L	U
3298	584139001	6/27/2022	Uranium-234	-1.04E+04	6.34E+03	1.80E+04	pCi/L	U
3298	587144001	7/26/2022	Uranium-234	2.40E+03	1.45E+03	5.11E+03	pCi/L	U
3298	590519001	8/22/2022	Uranium-234	5.10E+02	1.79E+03	5.76E+03	pCi/L	U
3298	593610001	9/19/2022	Uranium-234	4.13E+03	4.09E+03	7.55E+03	pCi/L	U
3298	597084001	10/17/2022	Uranium-234	8.74E+03	2.79E+03	4.45E+03	pCi/L	UI
3298	600674001	11/14/2022	Uranium-234	9.01E+03	1.09E+04	1.50E+04	pCi/L	U
3298	603748001	12/12/2022	Uranium-234	1.59E+03	2.70E+03	8.61E+03	pCi/L	U
3298	566834001	1/10/2022	Zinc-65	-6.10E-01	1.48E+00	4.85E+00	pCi/L	U
3298	569530001	2/7/2022	Zinc-65	-1.71E-01	9.28E-01	3.02E+00	pCi/L	U
3298	572307001	3/8/2022	Zinc-65	2.55E+00	3.29E+00	5.27E+00	pCi/L	U
3298	575136001	4/4/2022	Zinc-65	4.67E-01	1.37E+00	4.76E+00	pCi/L	U
3298	578414001	5/2/2022	Zinc-65	2.38E+00	1.51E+00	4.82E+00	pCi/L	U
3298	581369001	5/29/2022	Zinc-65	-2.18E-02	2.90E+00	9.60E+00	pCi/L	U
3298	584139001	6/27/2022	Zinc-65	-3.43E+00	2.55E+00	7.15E+00	pCi/L	U
3298	587144001	7/26/2022	Zinc-65	-1.42E+00	2.02E+00	6.14E+00	pCi/L	U
3298	590519001	8/22/2022	Zinc-65	3.88E-01	1.84E+00	6.23E+00	pCi/L	U
3298	593610001	9/19/2022	Zinc-65	-3.15E-01	1.73E+00	5.70E+00	pCi/L	U
3298	597084001	10/17/2022	Zinc-65	8.54E-03	1.77E+00	5.86E+00	pCi/L	U
3298	600674001	11/14/2022	Zinc-65	4.43E+00	2.91E+00	8.21E+00	pCi/L	U
3298	603748001	12/12/2022	Zinc-65	6.82E-01	1.39E+00	4.26E+00	pCi/L	U
3298	566834001	1/10/2022	Zirconium-95	6.43E-01	1.74E+00	5.76E+00	pCi/L	U
3298	569530001	2/7/2022	Zirconium-95	-4.94E-01	1.03E+00	3.20E+00	pCi/L	U
3298	572307001	3/8/2022	Zirconium-95	2.43E+00	1.68E+00	5.86E+00	pCi/L	U
3298	575136001	4/4/2022	Zirconium-95	-1.16E+00	1.40E+00	4.25E+00	pCi/L	U
3298	578414001	5/2/2022	Zirconium-95	-9.91E-01	1.35E+00	4.27E+00	pCi/L	U

Table 14: Complete REMP Results –Surface Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	581369001	5/29/2022	Zirconium-95	2.43E+00	2.74E+00	1.01E+01	pCi/L	U
3298	584139001	6/27/2022	Zirconium-95	1.37E+00	2.21E+00	7.88E+00	pCi/L	U
3298	587144001	7/26/2022	Zirconium-95	-1.16E-01	1.95E+00	6.16E+00	pCi/L	U
3298	590519001	8/22/2022	Zirconium-95	-4.95E-01	1.70E+00	5.59E+00	pCi/L	U
3298	593610001	9/19/2022	Zirconium-95	2.13E-01	1.95E+00	6.35E+00	pCi/L	U
3298	597084001	10/17/2022	Zirconium-95	2.18E+00	1.70E+00	6.13E+00	pCi/L	U
3298	600674001	11/14/2022	Zirconium-95	-2.60E+00	1.70E+00	4.95E+00	pCi/L	U
3298	603748001	12/12/2022	Zirconium-95	2.78E-01	1.15E+00	3.71E+00	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2136	566830003	1/11/2022	Actinium-228	1.74E+01	6.54E+00	2.21E+01	pCi/L	U
2136	576093001	4/12/2022	Actinium-228	1.35E+01	3.13E+00	1.04E+01	pCi/L	UI
2136	585558002	7/12/2022	Actinium-228	7.74E-01	3.84E+00	6.45E+00	pCi/L	U
2136	566830003	1/11/2022	Americium-241	-6.68E+00	1.46E+01	4.45E+01	pCi/L	U
2136	576093001	4/12/2022	Americium-241	-7.28E+00	5.98E+00	1.54E+01	pCi/L	U
2136	585558002	7/12/2022	Americium-241	-4.48E+00	2.04E+00	6.04E+00	pCi/L	U
2136	566830003	1/11/2022	Antimony-124	6.04E+00	3.02E+00	1.31E+01	pCi/L	U
2136	576093001	4/12/2022	Antimony-124	-1.09E+00	1.62E+00	5.00E+00	pCi/L	U
2136	585558002	7/12/2022	Antimony-124	3.13E-02	1.32E+00	4.45E+00	pCi/L	U
2136	566830003	1/11/2022	Antimony-125	2.27E+00	3.55E+00	1.25E+01	pCi/L	U
2136	576093001	4/12/2022	Antimony-125	6.16E-01	1.61E+00	5.57E+00	pCi/L	U
2136	585558002	7/12/2022	Antimony-125	-6.87E-01	1.01E+00	3.29E+00	pCi/L	U
2136	566830003	1/11/2022	Barium-140	-4.63E+00	8.33E+00	2.64E+01	pCi/L	U
2136	576093001	4/12/2022	Barium-140	-2.66E-01	4.89E+00	1.64E+01	pCi/L	U
2136	585558002	7/12/2022	Barium-140	5.72E+00	7.32E+00	2.43E+01	pCi/L	U
2136	566830003	1/11/2022	Beryllium-7	2.88E+00	1.34E+01	4.47E+01	pCi/L	U
2136	576093001	4/12/2022	Beryllium-7	-2.16E+00	5.44E+00	1.80E+01	pCi/L	U
2136	585558002	7/12/2022	Beryllium-7	4.52E+00	4.60E+00	1.54E+01	pCi/L	U
2136	566830003	1/11/2022	BETA	2.41E+00	1.10E+00	3.37E+00	pCi/L	U
2136	576093001	4/12/2022	BETA	1.61E-01	1.01E+00	3.28E+00	pCi/L	U
2136	585558002	7/12/2022	BETA	1.78E+00	1.07E+00	3.13E+00	pCi/L	U
2136	566830003	1/11/2022	Bismuth-214	2.07E+01	5.13E+00	8.08E+00	pCi/L	
2136	576093001	4/12/2022	Bismuth-214	1.01E+01	2.61E+00	6.54E+00	pCi/L	UI
2136	585558002	7/12/2022	Bismuth-214	5.93E-01	2.21E+00	3.21E+00	pCi/L	U
2136	566830003	1/11/2022	Cerium-141	-2.29E+00	2.79E+00	8.70E+00	pCi/L	U
2136	576093001	4/12/2022	Cerium-141	-9.35E-01	1.36E+00	4.01E+00	pCi/L	U
2136	585558002	7/12/2022	Cerium-141	-1.90E+00	1.78E+00	3.44E+00	pCi/L	U
2136	566830003	1/11/2022	Cerium-144	8.55E+00	1.25E+01	3.01E+01	pCi/L	U
2136	576093001	4/12/2022	Cerium-144	-1.46E+00	4.47E+00	1.45E+01	pCi/L	U
2136	585558002	7/12/2022	Cerium-144	4.79E-01	2.67E+00	8.59E+00	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2136	566830003	1/11/2022	Cesium-134	-3.66E-01	1.36E+00	4.25E+00	pCi/L	U
2136	576093001	4/12/2022	Cesium-134	6.11E-01	1.03E+00	2.38E+00	pCi/L	U
2136	585558002	7/12/2022	Cesium-134	3.43E-01	3.77E-01	1.31E+00	pCi/L	U
2136	566830003	1/11/2022	Cesium-137	7.49E-01	1.44E+00	4.92E+00	pCi/L	U
2136	576093001	4/12/2022	Cesium-137	-4.49E-01	9.07E-01	2.28E+00	pCi/L	U
2136	585558002	7/12/2022	Cesium-137	-5.75E-01	1.10E+00	2.14E+00	pCi/L	U
2136	566830003	1/11/2022	Chromium-51	-1.45E+01	1.39E+01	4.48E+01	pCi/L	U
2136	576093001	4/12/2022	Chromium-51	-1.04E+01	8.00E+00	2.36E+01	pCi/L	U
2136	585558002	7/12/2022	Chromium-51	-3.93E+00	6.39E+00	2.13E+01	pCi/L	U
2136	566830003	1/11/2022	Cobalt-57	4.13E-01	1.16E+00	3.87E+00	pCi/L	U
2136	576093001	4/12/2022	Cobalt-57	-3.99E-01	6.63E-01	1.74E+00	pCi/L	U
2136	585558002	7/12/2022	Cobalt-57	1.14E-01	3.57E-01	1.16E+00	pCi/L	U
2136	566830003	1/11/2022	Cobalt-58	-2.65E+00	1.42E+00	3.50E+00	pCi/L	U
2136	576093001	4/12/2022	Cobalt-58	-6.43E-01	5.74E-01	1.71E+00	pCi/L	U
2136	585558002	7/12/2022	Cobalt-58	-6.21E-01	4.28E-01	1.37E+00	pCi/L	U
2136	566830003	1/11/2022	Cobalt-60	-2.20E+00	1.19E+00	2.56E+00	pCi/L	U
2136	576093001	4/12/2022	Cobalt-60	-4.88E-01	6.45E-01	1.73E+00	pCi/L	U
2136	585558002	7/12/2022	Cobalt-60	3.69E-01	4.72E-01	1.40E+00	pCi/L	U
2136	566830003	1/11/2022	Iodine-131	-1.39E+00	3.23E+00	1.07E+01	pCi/L	U
2136	576093001	4/12/2022	Iodine-131	3.18E-01	1.93E+00	6.68E+00	pCi/L	U
2136	585558002	7/12/2022	Iodine-131	-3.68E+00	5.34E+00	1.76E+01	pCi/L	U
2136	566830003	1/11/2022	Iron-59	-2.49E+00	2.85E+00	8.66E+00	pCi/L	U
2136	576093001	4/12/2022	Iron-59	-7.23E-01	1.41E+00	4.27E+00	pCi/L	U
2136	585558002	7/12/2022	Iron-59	1.78E+00	1.07E+00	3.74E+00	pCi/L	U
2136	566830003	1/11/2022	Lanthanum-140	-3.16E+00	2.79E+00	5.99E+00	pCi/L	U
2136	576093001	4/12/2022	Lanthanum-140	2.24E+00	1.29E+00	5.15E+00	pCi/L	U
2136	585558002	7/12/2022	Lanthanum-140	1.67E+00	2.32E+00	8.07E+00	pCi/L	U
2136	566830003	1/11/2022	Lead-210	4.31E+02	6.97E+02	2.29E+03	pCi/L	U
2136	576093001	4/12/2022	Lead-210	-1.06E+02	2.13E+02	5.04E+02	pCi/L	U
2136	585558002	7/12/2022	Lead-210	2.74E+02	9.35E+01	1.28E+02	pCi/L	U
2136	566830003	1/11/2022	Lead-212	6.70E+00	4.55E+00	1.04E+01	pCi/L	U
2136	576093001	4/12/2022	Lead-212	-1.67E-01	1.64E+00	4.58E+00	pCi/L	U
2136	585558002	7/12/2022	Lead-212	8.15E-01	1.40E+00	2.93E+00	pCi/L	U
2136	566830003	1/11/2022	Lead-214	3.80E+01	7.21E+00	1.88E+01	pCi/L	UI
2136	576093001	4/12/2022	Lead-214	9.15E+00	3.37E+00	4.32E+00	pCi/L	U
2136	585558002	7/12/2022	Lead-214	-9.63E-01	1.70E+00	3.02E+00	pCi/L	U
2136	566830003	1/11/2022	Manganese-54	1.20E+00	1.45E+00	5.05E+00	pCi/L	U
2136	576093001	4/12/2022	Manganese-54	5.74E-01	6.95E-01	2.16E+00	pCi/L	U
2136	585558002	7/12/2022	Manganese-54	-7.33E-01	3.71E-01	1.17E+00	pCi/L	U
2136	566830003	1/11/2022	Molybdenum-99	1.33E+02	1.70E+02	5.96E+02	pCi/L	U
2136	576093001	4/12/2022	Molybdenum-99	7.61E+01	2.11E+02	7.08E+02	pCi/L	U
2136	585558002	7/12/2022	Molybdenum-99	7.33E+03	8.63E+03	0.00E+00	pCi/L	UI
2136	566830003	1/11/2022	Niobium-95	4.60E+00	2.67E+00	4.37E+00	pCi/L	UI
2136	576093001	4/12/2022	Niobium-95	-4.02E-01	6.71E-01	2.11E+00	pCi/L	U
2136	585558002	7/12/2022	Niobium-95	3.09E-01	4.58E-01	1.59E+00	pCi/L	U
2136	566830003	1/11/2022	Potassium-40	-1.53E+01	1.81E+01	5.75E+01	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2136	576093001	4/12/2022	Potassium-40	2.27E+01	1.40E+01	1.84E+01	pCi/L	UI
2136	585558002	7/12/2022	Potassium-40	3.75E+00	1.23E+01	1.17E+01	pCi/L	U
2136	566830003	1/11/2022	Radium-226	-1.30E+02	3.58E+01	1.08E+02	pCi/L	U
2136	576093001	4/12/2022	Radium-226	3.33E+01	3.10E+01	3.96E+01	pCi/L	U
2136	585558002	7/12/2022	Radium-226	-3.21E+01	1.62E+01	3.60E+01	pCi/L	U
2136	566830003	1/11/2022	Radium-228	1.74E+01	6.54E+00	2.21E+01	pCi/L	U
2136	576093001	4/12/2022	Radium-228	1.35E+01	3.13E+00	1.04E+01	pCi/L	UI
2136	585558002	7/12/2022	Radium-228	7.74E-01	3.84E+00	6.45E+00	pCi/L	U
2136	566830003	1/11/2022	Ruthenium-103	2.60E+00	1.51E+00	5.65E+00	pCi/L	U
2136	576093001	4/12/2022	Ruthenium-103	6.25E-01	7.21E-01	2.52E+00	pCi/L	U
2136	585558002	7/12/2022	Ruthenium-103	8.46E-01	7.92E-01	1.94E+00	pCi/L	U
2136	566830003	1/11/2022	Ruthenium-106	1.48E+01	1.11E+01	4.08E+01	pCi/L	U
2136	576093001	4/12/2022	Ruthenium-106	-2.70E+00	5.17E+00	1.67E+01	pCi/L	U
2136	585558002	7/12/2022	Ruthenium-106	3.40E+00	5.38E+00	1.24E+01	pCi/L	U
2136	566830003	1/11/2022	Selenium-75	-1.64E-02	2.06E+00	6.44E+00	pCi/L	U
2136	576093001	4/12/2022	Selenium-75	1.01E+00	9.24E-01	3.05E+00	pCi/L	U
2136	585558002	7/12/2022	Selenium-75	1.42E+00	5.69E-01	2.02E+00	pCi/L	U
2136	566830003	1/11/2022	Silver-108m	-7.19E-01	1.03E+00	3.26E+00	pCi/L	U
2136	576093001	4/12/2022	Silver-108m	-1.58E-01	5.33E-01	1.79E+00	pCi/L	U
2136	585558002	7/12/2022	Silver-108m	8.82E-02	3.28E-01	1.09E+00	pCi/L	U
2136	566830003	1/11/2022	Silver-110m	8.99E-02	2.15E+00	6.92E+00	pCi/L	U
2136	576093001	4/12/2022	Silver-110m	-8.57E-01	9.61E-01	2.94E+00	pCi/L	U
2136	585558002	7/12/2022	Silver-110m	-7.00E-01	5.60E-01	1.81E+00	pCi/L	U
2136	566830003	1/11/2022	Tellurium-132	9.91E+00	1.43E+01	4.70E+01	pCi/L	U
2136	576093001	4/12/2022	Tellurium-132	-1.57E+00	1.50E+01	4.77E+01	pCi/L	U
2136	585558002	7/12/2022	Tellurium-132	2.91E+01	2.88E+02	9.91E+02	pCi/L	U
2136	566830003	1/11/2022	Thallium-208	6.05E-01	1.47E+00	4.44E+00	pCi/L	U
2136	576093001	4/12/2022	Thallium-208	-1.50E+00	8.51E-01	2.27E+00	pCi/L	U
2136	585558002	7/12/2022	Thallium-208	3.90E-01	1.06E+00	1.24E+00	pCi/L	U
2136	566830003	1/11/2022	Thorium-228	6.70E+00	4.55E+00	1.04E+01	pCi/L	U
2136	576093001	4/12/2022	Thorium-228	-1.67E-01	1.64E+00	4.58E+00	pCi/L	U
2136	585558002	7/12/2022	Thorium-228	8.15E-01	1.40E+00	2.93E+00	pCi/L	U
2136	566830003	1/11/2022	Thorium-230	2.07E+03	1.20E+03	2.68E+03	pCi/L	U
2136	576093001	4/12/2022	Thorium-230	1.27E+03	6.35E+02	8.84E+02	pCi/L	UI
2136	585558002	7/12/2022	Thorium-230	1.36E+03	3.16E+02	4.41E+02	pCi/L	UI
2136	566830003	1/11/2022	Thorium-232	1.91E+03	2.26E+03	4.66E+03	pCi/L	U
2136	576093001	4/12/2022	Thorium-232	5.10E+02	9.99E+02	1.57E+03	pCi/L	U
2136	585558002	7/12/2022	Thorium-232	-7.63E+02	3.83E+02	9.42E+02	pCi/L	U
2136	566830003	1/11/2022	Thorium-234	1.34E+02	1.59E+02	4.00E+02	pCi/L	U
2136	576093001	4/12/2022	Thorium-234	3.58E+01	7.02E+01	1.43E+02	pCi/L	U
2136	585558002	7/12/2022	Thorium-234	-4.17E+01	2.76E+01	6.87E+01	pCi/L	U
2136	566830003	1/11/2022	Tritium	5.67E+01	1.58E+02	5.10E+02	pCi/L	U
2136	576093001	4/12/2022	Tritium	7.09E+01	9.67E+01	3.01E+02	pCi/L	U
2136	585558002	7/12/2022	Tritium	1.71E+02	1.62E+02	5.04E+02	pCi/L	U
2136	566830003	1/11/2022	Uranium-234	1.15E+03	8.18E+03	2.78E+04	pCi/L	U
2136	576093001	4/12/2022	Uranium-234	1.08E+04	4.57E+03	7.01E+03	pCi/L	UI

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2136	585558002	7/12/2022	Uranium-234	2.25E+03	1.23E+03	2.54E+03	pCi/L	U
2136	566830003	1/11/2022	Zinc-65	1.80E+00	2.60E+00	9.47E+00	pCi/L	U
2136	576093001	4/12/2022	Zinc-65	-1.64E+00	1.33E+00	3.49E+00	pCi/L	U
2136	585558002	7/12/2022	Zinc-65	-1.26E+00	8.41E-01	2.61E+00	pCi/L	U
2136	566830003	1/11/2022	Zirconium-95	-5.60E-01	2.39E+00	7.55E+00	pCi/L	U
2136	576093001	4/12/2022	Zirconium-95	-1.16E+00	1.21E+00	3.72E+00	pCi/L	U
2136	585558002	7/12/2022	Zirconium-95	-5.42E-01	8.18E-01	2.72E+00	pCi/L	U
2204	566167001	1/4/2022	Actinium-228	-7.60E+00	7.17E+00	2.12E+01	pCi/L	U
2204	575132001	4/4/2022	Actinium-228	4.81E+00	3.90E+00	6.23E+00	pCi/L	U
2204	584824001	7/5/2022	Actinium-228	6.29E+00	5.90E+00	2.16E+01	pCi/L	U
2204	594993002	10/6/2022	Actinium-228	3.93E-01	3.36E+00	7.38E+00	pCi/L	U
2204	566167001	1/4/2022	Americium-241	5.03E+00	3.53E+00	1.22E+01	pCi/L	U
2204	575132001	4/4/2022	Americium-241	1.14E+01	4.20E+00	8.40E+00	pCi/L	UI
2204	584824001	7/5/2022	Americium-241	2.86E+00	1.17E+01	3.84E+01	pCi/L	U
2204	594993002	10/6/2022	Americium-241	-1.26E+00	2.37E+00	7.24E+00	pCi/L	U
2204	566167001	1/4/2022	Antimony-124	2.85E+00	3.43E+00	1.25E+01	pCi/L	U
2204	575132001	4/4/2022	Antimony-124	-1.12E+00	2.14E+00	3.61E+00	pCi/L	U
2204	584824001	7/5/2022	Antimony-124	-2.72E-01	2.69E+00	8.57E+00	pCi/L	U
2204	594993002	10/6/2022	Antimony-124	2.55E+00	1.12E+00	4.23E+00	pCi/L	U
2204	566167001	1/4/2022	Antimony-125	5.24E+00	4.75E+00	1.54E+01	pCi/L	U
2204	575132001	4/4/2022	Antimony-125	-3.74E-01	9.47E-01	3.19E+00	pCi/L	U
2204	584824001	7/5/2022	Antimony-125	-2.26E+00	3.60E+00	1.14E+01	pCi/L	U
2204	594993002	10/6/2022	Antimony-125	2.70E+00	1.39E+00	4.38E+00	pCi/L	U
2204	566167001	1/4/2022	Barium-140	-3.13E+00	7.63E+00	2.42E+01	pCi/L	U
2204	575132001	4/4/2022	Barium-140	1.95E+00	3.25E+00	1.11E+01	pCi/L	U
2204	584824001	7/5/2022	Barium-140	-5.61E+00	6.02E+00	1.80E+01	pCi/L	U
2204	594993002	10/6/2022	Barium-140	-1.62E+00	3.27E+00	9.26E+00	pCi/L	U
2204	566167001	1/4/2022	Beryllium-7	-1.53E+01	1.39E+01	4.21E+01	pCi/L	U
2204	575132001	4/4/2022	Beryllium-7	1.91E+00	3.53E+00	1.21E+01	pCi/L	U
2204	584824001	7/5/2022	Beryllium-7	1.01E+01	1.06E+01	3.70E+01	pCi/L	U
2204	594993002	10/6/2022	Beryllium-7	-6.89E-02	4.67E+00	1.37E+01	pCi/L	U
2204	566167001	1/4/2022	BETA	8.52E+00	1.27E+00	2.52E+00	pCi/L	U
2204	575132001	4/4/2022	BETA	1.11E+01	1.56E+00	3.31E+00	pCi/L	U
2204	584824001	7/5/2022	BETA	5.63E+00	1.33E+00	3.40E+00	pCi/L	U
2204	594993002	10/6/2022	BETA	8.09E+00	1.35E+00	2.91E+00	pCi/L	U
2204	566167001	1/4/2022	Bismuth-214	1.73E+02	1.10E+01	9.69E+00	pCi/L	U
2204	575132001	4/4/2022	Bismuth-214	2.10E+01	2.20E+00	2.44E+00	pCi/L	U
2204	584824001	7/5/2022	Bismuth-214	5.35E+01	6.43E+00	7.47E+00	pCi/L	U
2204	594993002	10/6/2022	Bismuth-214	1.16E+01	2.39E+00	2.93E+00	pCi/L	U
2204	566167001	1/4/2022	Cerium-141	4.18E+00	4.08E+00	8.05E+00	pCi/L	U
2204	575132001	4/4/2022	Cerium-141	-4.42E+00	1.48E+00	2.64E+00	pCi/L	U
2204	584824001	7/5/2022	Cerium-141	1.38E+00	4.47E+00	7.64E+00	pCi/L	U
2204	594993002	10/6/2022	Cerium-141	3.72E-01	9.66E-01	2.87E+00	pCi/L	U
2204	566167001	1/4/2022	Cerium-144	6.91E+00	8.80E+00	2.92E+01	pCi/L	U
2204	575132001	4/4/2022	Cerium-144	-2.09E+00	2.64E+00	8.57E+00	pCi/L	U
2204	584824001	7/5/2022	Cerium-144	1.95E+01	9.20E+00	3.17E+01	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	594993002	10/6/2022	Cerium-144	1.59E+00	3.10E+00	1.00E+01	pCi/L	U
2204	566167001	1/4/2022	Cesium-134	1.82E+00	1.53E+00	5.51E+00	pCi/L	U
2204	575132001	4/4/2022	Cesium-134	3.87E-01	4.04E-01	1.37E+00	pCi/L	U
2204	584824001	7/5/2022	Cesium-134	-1.44E+00	1.69E+00	4.24E+00	pCi/L	U
2204	594993002	10/6/2022	Cesium-134	3.16E-01	5.08E-01	1.76E+00	pCi/L	U
2204	566167001	1/4/2022	Cesium-137	7.72E-01	1.57E+00	4.80E+00	pCi/L	U
2204	575132001	4/4/2022	Cesium-137	-8.36E-01	6.70E-01	1.34E+00	pCi/L	U
2204	584824001	7/5/2022	Cesium-137	2.52E-01	1.38E+00	4.05E+00	pCi/L	U
2204	594993002	10/6/2022	Cesium-137	-1.19E+00	1.08E+00	2.20E+00	pCi/L	U
2204	566167001	1/4/2022	Chromium-51	-5.11E+00	1.35E+01	4.47E+01	pCi/L	U
2204	575132001	4/4/2022	Chromium-51	-4.57E+00	4.57E+00	1.39E+01	pCi/L	U
2204	584824001	7/5/2022	Chromium-51	-9.91E+00	1.17E+01	3.74E+01	pCi/L	U
2204	594993002	10/6/2022	Chromium-51	-1.52E+00	4.94E+00	1.65E+01	pCi/L	U
2204	566167001	1/4/2022	Cobalt-57	2.04E-02	1.14E+00	3.67E+00	pCi/L	U
2204	575132001	4/4/2022	Cobalt-57	3.52E-01	3.40E-01	1.14E+00	pCi/L	U
2204	584824001	7/5/2022	Cobalt-57	-1.39E+00	1.23E+00	3.68E+00	pCi/L	U
2204	594993002	10/6/2022	Cobalt-57	-4.08E-01	4.22E-01	1.23E+00	pCi/L	U
2204	566167001	1/4/2022	Cobalt-58	-1.71E+00	1.52E+00	4.66E+00	pCi/L	U
2204	575132001	4/4/2022	Cobalt-58	1.51E-01	4.00E-01	1.32E+00	pCi/L	U
2204	584824001	7/5/2022	Cobalt-58	7.94E-01	1.59E+00	4.74E+00	pCi/L	U
2204	594993002	10/6/2022	Cobalt-58	-5.55E-01	4.47E-01	1.44E+00	pCi/L	U
2204	566167001	1/4/2022	Cobalt-60	1.74E+00	1.68E+00	6.17E+00	pCi/L	U
2204	575132001	4/4/2022	Cobalt-60	1.01E-01	4.00E-01	1.36E+00	pCi/L	U
2204	584824001	7/5/2022	Cobalt-60	-4.91E-01	1.07E+00	3.30E+00	pCi/L	U
2204	594993002	10/6/2022	Cobalt-60	1.29E+00	6.11E-01	1.46E+00	pCi/L	U
2204	566167001	1/4/2022	Iodine-131	2.15E+00	2.28E+00	8.06E+00	pCi/L	U
2204	575132001	4/4/2022	Iodine-131	3.48E-02	1.45E+00	5.00E+00	pCi/L	U
2204	584824001	7/5/2022	Iodine-131	2.25E+00	2.30E+00	8.11E+00	pCi/L	U
2204	594993002	10/6/2022	Iodine-131	3.27E-01	1.59E+00	3.82E+00	pCi/L	U
2204	566167001	1/4/2022	Iron-59	-9.00E-01	3.18E+00	1.02E+01	pCi/L	U
2204	575132001	4/4/2022	Iron-59	2.61E-01	8.85E-01	2.86E+00	pCi/L	U
2204	584824001	7/5/2022	Iron-59	3.18E+00	2.16E+00	8.37E+00	pCi/L	U
2204	594993002	10/6/2022	Iron-59	6.51E-01	9.38E-01	3.19E+00	pCi/L	U
2204	566167001	1/4/2022	Lanthanum-140	5.56E+00	2.44E+00	1.03E+01	pCi/L	U
2204	575132001	4/4/2022	Lanthanum-140	-1.11E+00	1.04E+00	3.25E+00	pCi/L	U
2204	584824001	7/5/2022	Lanthanum-140	-3.18E+00	2.22E+00	5.71E+00	pCi/L	U
2204	594993002	10/6/2022	Lanthanum-140	-7.03E-01	1.04E+00	3.39E+00	pCi/L	U
2204	566167001	1/4/2022	Lead-210	3.12E+00	4.93E+01	9.04E+01	pCi/L	U
2204	575132001	4/4/2022	Lead-210	-8.67E+01	1.78E+02	3.30E+02	pCi/L	U
2204	584824001	7/5/2022	Lead-210	-9.93E+02	4.49E+02	1.10E+03	pCi/L	U
2204	594993002	10/6/2022	Lead-210	7.47E+01	9.88E+01	1.57E+02	pCi/L	U
2204	566167001	1/4/2022	Lead-212	-3.57E+00	3.30E+00	9.94E+00	pCi/L	U
2204	575132001	4/4/2022	Lead-212	-5.28E-01	1.35E+00	2.89E+00	pCi/L	U
2204	584824001	7/5/2022	Lead-212	-2.55E+00	2.93E+00	9.78E+00	pCi/L	U
2204	594993002	10/6/2022	Lead-212	1.41E+00	1.75E+00	3.54E+00	pCi/L	U
2204	566167001	1/4/2022	Lead-214	1.76E+02	1.04E+01	3.93E+01	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	575132001	4/4/2022	Lead-214	2.51E+01	2.50E+00	2.72E+00	pCi/L	
2204	584824001	7/5/2022	Lead-214	6.64E+01	6.84E+00	2.37E+01	pCi/L	UI
2204	594993002	10/6/2022	Lead-214	1.52E+01	2.42E+00	5.13E+00	pCi/L	
2204	566167001	1/4/2022	Manganese-54	-4.13E+00	1.57E+00	4.07E+00	pCi/L	U
2204	575132001	4/4/2022	Manganese-54	5.12E-01	3.41E-01	1.18E+00	pCi/L	U
2204	584824001	7/5/2022	Manganese-54	6.00E-01	1.23E+00	4.07E+00	pCi/L	U
2204	594993002	10/6/2022	Manganese-54	-2.58E-01	4.48E-01	1.48E+00	pCi/L	U
2204	566167001	1/4/2022	Molybdenum-99	8.06E+01	5.56E+01	2.01E+02	pCi/L	U
2204	575132001	4/4/2022	Molybdenum-99	-5.02E+02	2.03E+02	6.05E+02	pCi/L	U
2204	584824001	7/5/2022	Molybdenum-99	4.72E+01	6.80E+01	2.32E+02	pCi/L	U
2204	594993002	10/6/2022	Molybdenum-99	-2.39E+01	7.70E+01	2.40E+02	pCi/L	U
2204	566167001	1/4/2022	Niobium-95	4.20E-01	2.35E+00	7.09E+00	pCi/L	U
2204	575132001	4/4/2022	Niobium-95	3.55E+00	1.42E+00	1.27E+00	pCi/L	UI
2204	584824001	7/5/2022	Niobium-95	-2.02E+00	1.65E+00	4.48E+00	pCi/L	U
2204	594993002	10/6/2022	Niobium-95	-1.49E+00	8.14E-01	1.62E+00	pCi/L	U
2204	566167001	1/4/2022	Potassium-40	-3.11E+01	2.04E+01	5.97E+01	pCi/L	U
2204	575132001	4/4/2022	Potassium-40	-1.37E+01	9.69E+00	2.07E+01	pCi/L	U
2204	584824001	7/5/2022	Potassium-40	-3.64E+01	1.72E+01	4.94E+01	pCi/L	U
2204	594993002	10/6/2022	Potassium-40	-1.02E+01	9.91E+00	2.24E+01	pCi/L	U
2204	566167001	1/4/2022	Radium-226	-2.02E+01	4.24E+01	1.48E+02	pCi/L	U
2204	575132001	4/4/2022	Radium-226	2.63E+01	2.18E+01	2.47E+01	pCi/L	UI
2204	584824001	7/5/2022	Radium-226	-6.10E+01	3.75E+01	1.34E+02	pCi/L	U
2204	594993002	10/6/2022	Radium-226	-1.41E+01	1.76E+01	4.29E+01	pCi/L	U
2204	566167001	1/4/2022	Radium-228	-7.60E+00	7.17E+00	2.12E+01	pCi/L	U
2204	575132001	4/4/2022	Radium-228	4.81E+00	3.90E+00	6.23E+00	pCi/L	U
2204	584824001	7/5/2022	Radium-228	6.29E+00	5.90E+00	2.16E+01	pCi/L	U
2204	594993002	10/6/2022	Radium-228	3.93E-01	3.36E+00	7.38E+00	pCi/L	U
2204	566167001	1/4/2022	Ruthenium-103	-2.18E+00	1.59E+00	4.68E+00	pCi/L	U
2204	575132001	4/4/2022	Ruthenium-103	-1.07E+00	9.23E-01	1.58E+00	pCi/L	U
2204	584824001	7/5/2022	Ruthenium-103	-2.96E+00	1.39E+00	3.08E+00	pCi/L	U
2204	594993002	10/6/2022	Ruthenium-103	6.76E-01	5.69E-01	1.74E+00	pCi/L	U
2204	566167001	1/4/2022	Ruthenium-106	7.90E+00	1.28E+01	4.36E+01	pCi/L	U
2204	575132001	4/4/2022	Ruthenium-106	-3.56E-01	2.95E+00	9.77E+00	pCi/L	U
2204	584824001	7/5/2022	Ruthenium-106	-2.01E+00	9.46E+00	2.99E+01	pCi/L	U
2204	594993002	10/6/2022	Ruthenium-106	1.81E+00	4.31E+00	1.40E+01	pCi/L	U
2204	566167001	1/4/2022	Selenium-75	1.23E-01	1.94E+00	6.65E+00	pCi/L	U
2204	575132001	4/4/2022	Selenium-75	1.40E-01	5.81E-01	1.85E+00	pCi/L	U
2204	584824001	7/5/2022	Selenium-75	-2.39E+00	1.61E+00	5.03E+00	pCi/L	U
2204	594993002	10/6/2022	Selenium-75	-1.75E-01	5.75E-01	1.95E+00	pCi/L	U
2204	566167001	1/4/2022	Silver-108m	-1.43E+00	1.35E+00	4.18E+00	pCi/L	U
2204	575132001	4/4/2022	Silver-108m	-1.57E-01	3.45E-01	1.04E+00	pCi/L	U
2204	584824001	7/5/2022	Silver-108m	-1.26E+00	1.09E+00	3.29E+00	pCi/L	U
2204	594993002	10/6/2022	Silver-108m	-5.46E-01	3.86E-01	1.22E+00	pCi/L	U
2204	566167001	1/4/2022	Silver-110m	-3.54E+00	2.29E+00	6.70E+00	pCi/L	U
2204	575132001	4/4/2022	Silver-110m	-2.54E-01	5.06E-01	1.60E+00	pCi/L	U
2204	584824001	7/5/2022	Silver-110m	-9.99E-01	1.50E+00	4.75E+00	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	594993002	10/6/2022	Silver-110m	8.48E-01	6.51E-01	2.06E+00	pCi/L	U
2204	566167001	1/4/2022	Tellurium-132	-1.82E+00	4.95E+00	1.51E+01	pCi/L	U
2204	575132001	4/4/2022	Tellurium-132	4.96E-01	1.27E+01	4.05E+01	pCi/L	U
2204	584824001	7/5/2022	Tellurium-132	2.27E+00	6.36E+00	2.20E+01	pCi/L	U
2204	594993002	10/6/2022	Tellurium-132	-3.53E-01	5.21E+00	1.79E+01	pCi/L	U
2204	566167001	1/4/2022	Thallium-208	-2.36E+00	1.86E+00	5.49E+00	pCi/L	U
2204	575132001	4/4/2022	Thallium-208	1.28E+00	9.84E-01	1.19E+00	pCi/L	UI
2204	584824001	7/5/2022	Thallium-208	2.56E+00	2.25E+00	3.31E+00	pCi/L	U
2204	594993002	10/6/2022	Thallium-208	-5.71E-01	7.43E-01	1.86E+00	pCi/L	U
2204	566167001	1/4/2022	Thorium-228	-3.57E+00	3.30E+00	9.94E+00	pCi/L	U
2204	575132001	4/4/2022	Thorium-228	-5.28E-01	1.35E+00	2.89E+00	pCi/L	U
2204	584824001	7/5/2022	Thorium-228	-2.55E+00	2.93E+00	9.78E+00	pCi/L	U
2204	594993002	10/6/2022	Thorium-228	1.41E+00	1.75E+00	3.54E+00	pCi/L	U
2204	566167001	1/4/2022	Thorium-230	8.14E+01	3.54E+02	1.10E+03	pCi/L	U
2204	575132001	4/4/2022	Thorium-230	-2.68E+02	2.53E+02	5.61E+02	pCi/L	U
2204	584824001	7/5/2022	Thorium-230	2.25E+03	1.10E+03	2.16E+03	pCi/L	UI
2204	594993002	10/6/2022	Thorium-230	1.86E+03	2.80E+02	5.35E+02	pCi/L	UI
2204	566167001	1/4/2022	Thorium-232	-7.26E+02	6.10E+02	2.13E+03	pCi/L	U
2204	575132001	4/4/2022	Thorium-232	1.03E+03	6.28E+02	9.49E+02	pCi/L	UI
2204	584824001	7/5/2022	Thorium-232	-3.97E+03	1.61E+03	4.32E+03	pCi/L	U
2204	594993002	10/6/2022	Thorium-232	6.04E+02	5.82E+02	9.14E+02	pCi/L	U
2204	566167001	1/4/2022	Thorium-234	-5.41E+00	4.19E+01	1.56E+02	pCi/L	U
2204	575132001	4/4/2022	Thorium-234	7.24E+01	4.41E+01	8.72E+01	pCi/L	U
2204	584824001	7/5/2022	Thorium-234	-1.11E+02	1.11E+02	3.22E+02	pCi/L	U
2204	594993002	10/6/2022	Thorium-234	4.25E+01	4.09E+01	8.11E+01	pCi/L	U
2204	566167001	1/4/2022	Tritium	-2.80E+02	1.94E+02	6.80E+02	pCi/L	U
2204	575132001	4/4/2022	Tritium	1.47E+02	1.03E+02	2.92E+02	pCi/L	U
2204	584824001	7/5/2022	Tritium	-1.52E+02	1.47E+02	5.20E+02	pCi/L	U
2204	594993002	10/6/2022	Tritium	1.78E+02	1.18E+02	3.58E+02	pCi/L	U
2204	566167001	1/4/2022	Uranium-234	5.89E+03	1.95E+03	3.22E+03	pCi/L	UI
2204	575132001	4/4/2022	Uranium-234	1.81E+03	1.33E+03	4.62E+03	pCi/L	U
2204	584824001	7/5/2022	Uranium-234	5.28E+03	5.80E+03	1.96E+04	pCi/L	U
2204	594993002	10/6/2022	Uranium-234	2.13E+03	9.77E+02	3.40E+03	pCi/L	U
2204	566167001	1/4/2022	Zinc-65	6.87E+00	2.96E+00	0.00E+00	pCi/L	UI
2204	575132001	4/4/2022	Zinc-65	-2.38E-01	7.76E-01	2.14E+00	pCi/L	U
2204	584824001	7/5/2022	Zinc-65	3.37E-02	2.56E+00	7.54E+00	pCi/L	U
2204	594993002	10/6/2022	Zinc-65	2.29E-01	9.94E-01	2.92E+00	pCi/L	U
2204	566167001	1/4/2022	Zirconium-95	-2.80E-01	3.06E+00	9.65E+00	pCi/L	U
2204	575132001	4/4/2022	Zirconium-95	3.05E-01	7.74E-01	2.46E+00	pCi/L	U
2204	584824001	7/5/2022	Zirconium-95	-2.73E+00	2.27E+00	6.35E+00	pCi/L	U
2204	594993002	10/6/2022	Zirconium-95	-2.52E-01	8.51E-01	2.52E+00	pCi/L	U
2204	575132001	4/4/2022	Cobalt-57	3.52E-01	3.40E-01	1.14E+00	pCi/L	U
2204	584824001	7/5/2022	Cobalt-57	-1.39E+00	1.23E+00	3.68E+00	pCi/L	U
2204	594993002	10/6/2022	Cobalt-57	-4.08E-01	4.22E-01	1.23E+00	pCi/L	U
2204	566167001	1/4/2022	Cobalt-58	-1.71E+00	1.52E+00	4.66E+00	pCi/L	U
2204	575132001	4/4/2022	Cobalt-58	1.51E-01	4.00E-01	1.32E+00	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	584824001	7/5/2022	Cobalt-58	7.94E-01	1.59E+00	4.74E+00	pCi/L	U
2204	594993002	10/6/2022	Cobalt-58	-5.55E-01	4.47E-01	1.44E+00	pCi/L	U
2204	566167001	1/4/2022	Cobalt-60	1.74E+00	1.68E+00	6.17E+00	pCi/L	U
2204	575132001	4/4/2022	Cobalt-60	1.01E-01	4.00E-01	1.36E+00	pCi/L	U
2204	584824001	7/5/2022	Cobalt-60	-4.91E-01	1.07E+00	3.30E+00	pCi/L	U
2204	594993002	10/6/2022	Cobalt-60	1.29E+00	6.11E-01	1.46E+00	pCi/L	U
2204	566167001	1/4/2022	Iodine-131	2.15E+00	2.28E+00	8.06E+00	pCi/L	U
2204	575132001	4/4/2022	Iodine-131	3.48E-02	1.45E+00	5.00E+00	pCi/L	U
2204	584824001	7/5/2022	Iodine-131	2.25E+00	2.30E+00	8.11E+00	pCi/L	U
2204	594993002	10/6/2022	Iodine-131	3.27E-01	1.59E+00	3.82E+00	pCi/L	U
2204	566167001	1/4/2022	Iron-59	-9.00E-01	3.18E+00	1.02E+01	pCi/L	U
2204	575132001	4/4/2022	Iron-59	2.61E-01	8.85E-01	2.86E+00	pCi/L	U
2204	584824001	7/5/2022	Iron-59	3.18E+00	2.16E+00	8.37E+00	pCi/L	U
2204	594993002	10/6/2022	Iron-59	6.51E-01	9.38E-01	3.19E+00	pCi/L	U
2204	566167001	1/4/2022	Lanthanum-140	5.56E+00	2.44E+00	1.03E+01	pCi/L	U
2204	575132001	4/4/2022	Lanthanum-140	-1.11E+00	1.04E+00	3.25E+00	pCi/L	U
2204	584824001	7/5/2022	Lanthanum-140	-3.18E+00	2.22E+00	5.71E+00	pCi/L	U
2204	594993002	10/6/2022	Lanthanum-140	-7.03E-01	1.04E+00	3.39E+00	pCi/L	U
2204	566167001	1/4/2022	Lead-210	3.12E+00	4.93E+01	9.04E+01	pCi/L	U
2204	575132001	4/4/2022	Lead-210	-8.67E+01	1.78E+02	3.30E+02	pCi/L	U
2204	584824001	7/5/2022	Lead-210	-9.93E+02	4.49E+02	1.10E+03	pCi/L	U
2204	594993002	10/6/2022	Lead-210	7.47E+01	9.88E+01	1.57E+02	pCi/L	U
2204	566167001	1/4/2022	Lead-212	-3.57E+00	3.30E+00	9.94E+00	pCi/L	U
2204	575132001	4/4/2022	Lead-212	-5.28E-01	1.35E+00	2.89E+00	pCi/L	U
2204	584824001	7/5/2022	Lead-212	-2.55E+00	2.93E+00	9.78E+00	pCi/L	U
2204	594993002	10/6/2022	Lead-212	1.41E+00	1.75E+00	3.54E+00	pCi/L	U
2204	566167001	1/4/2022	Lead-214	1.76E+02	1.04E+01	3.93E+01	pCi/L	
2204	575132001	4/4/2022	Lead-214	2.51E+01	2.50E+00	2.72E+00	pCi/L	
2204	584824001	7/5/2022	Lead-214	6.64E+01	6.84E+00	2.37E+01	pCi/L	UI
2204	594993002	10/6/2022	Lead-214	1.52E+01	2.42E+00	5.13E+00	pCi/L	
2204	566167001	1/4/2022	Manganese-54	-4.13E+00	1.57E+00	4.07E+00	pCi/L	U
2204	575132001	4/4/2022	Manganese-54	5.12E-01	3.41E-01	1.18E+00	pCi/L	U
2204	584824001	7/5/2022	Manganese-54	6.00E-01	1.23E+00	4.07E+00	pCi/L	U
2204	594993002	10/6/2022	Manganese-54	-2.58E-01	4.48E-01	1.48E+00	pCi/L	U
2204	566167001	1/4/2022	Molybdenum-99	8.06E+01	5.56E+01	2.01E+02	pCi/L	U
2204	575132001	4/4/2022	Molybdenum-99	-5.02E+02	2.03E+02	6.05E+02	pCi/L	U
2204	584824001	7/5/2022	Molybdenum-99	4.72E+01	6.80E+01	2.32E+02	pCi/L	U
2204	594993002	10/6/2022	Molybdenum-99	-2.39E+01	7.70E+01	2.40E+02	pCi/L	U
2204	566167001	1/4/2022	Niobium-95	4.20E-01	2.35E+00	7.09E+00	pCi/L	U
2204	575132001	4/4/2022	Niobium-95	3.55E+00	1.42E+00	1.27E+00	pCi/L	UI
2204	584824001	7/5/2022	Niobium-95	-2.02E+00	1.65E+00	4.48E+00	pCi/L	U
2204	594993002	10/6/2022	Niobium-95	-1.49E+00	8.14E-01	1.62E+00	pCi/L	U
2204	566167001	1/4/2022	Potassium-40	-3.11E+01	2.04E+01	5.97E+01	pCi/L	U
2204	575132001	4/4/2022	Potassium-40	-1.37E+01	9.69E+00	2.07E+01	pCi/L	U
2204	584824001	7/5/2022	Potassium-40	-3.64E+01	1.72E+01	4.94E+01	pCi/L	U
2204	594993002	10/6/2022	Potassium-40	-1.02E+01	9.91E+00	2.24E+01	pCi/L	U

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	566167001	1/4/2022	Radium-226	-2.02E+01	4.24E+01	1.48E+02	pCi/L	U
2204	575132001	4/4/2022	Radium-226	2.63E+01	2.18E+01	2.47E+01	pCi/L	UI
2204	584824001	7/5/2022	Radium-226	-6.10E+01	3.75E+01	1.34E+02	pCi/L	U
2204	594993002	10/6/2022	Radium-226	-1.41E+01	1.76E+01	4.29E+01	pCi/L	U
2204	566167001	1/4/2022	Radium-228	-7.60E+00	7.17E+00	2.12E+01	pCi/L	U
2204	575132001	4/4/2022	Radium-228	4.81E+00	3.90E+00	6.23E+00	pCi/L	U
2204	584824001	7/5/2022	Radium-228	6.29E+00	5.90E+00	2.16E+01	pCi/L	U
2204	594993002	10/6/2022	Radium-228	3.93E-01	3.36E+00	7.38E+00	pCi/L	U
2204	566167001	1/4/2022	Ruthenium-103	-2.18E+00	1.59E+00	4.68E+00	pCi/L	U
2204	575132001	4/4/2022	Ruthenium-103	-1.07E+00	9.23E-01	1.58E+00	pCi/L	U
2204	584824001	7/5/2022	Ruthenium-103	-2.96E+00	1.39E+00	3.08E+00	pCi/L	U
2204	594993002	10/6/2022	Ruthenium-103	6.76E-01	5.69E-01	1.74E+00	pCi/L	U
2204	566167001	1/4/2022	Ruthenium-106	7.90E+00	1.28E+01	4.36E+01	pCi/L	U
2204	575132001	4/4/2022	Ruthenium-106	-3.56E-01	2.95E+00	9.77E+00	pCi/L	U
2204	584824001	7/5/2022	Ruthenium-106	-2.01E+00	9.46E+00	2.99E+01	pCi/L	U
2204	594993002	10/6/2022	Ruthenium-106	1.81E+00	4.31E+00	1.40E+01	pCi/L	U
2204	566167001	1/4/2022	Selenium-75	1.23E-01	1.94E+00	6.65E+00	pCi/L	U
2204	575132001	4/4/2022	Selenium-75	1.40E-01	5.81E-01	1.85E+00	pCi/L	U
2204	584824001	7/5/2022	Selenium-75	-2.39E+00	1.61E+00	5.03E+00	pCi/L	U
2204	594993002	10/6/2022	Selenium-75	-1.75E-01	5.75E-01	1.95E+00	pCi/L	U
2204	566167001	1/4/2022	Silver-108m	-1.43E+00	1.35E+00	4.18E+00	pCi/L	U
2204	575132001	4/4/2022	Silver-108m	-1.57E-01	3.45E-01	1.04E+00	pCi/L	U
2204	584824001	7/5/2022	Silver-108m	-1.26E+00	1.09E+00	3.29E+00	pCi/L	U
2204	594993002	10/6/2022	Silver-108m	-5.46E-01	3.86E-01	1.22E+00	pCi/L	U
2204	566167001	1/4/2022	Silver-110m	-3.54E+00	2.29E+00	6.70E+00	pCi/L	U
2204	575132001	4/4/2022	Silver-110m	-2.54E-01	5.06E-01	1.60E+00	pCi/L	U
2204	584824001	7/5/2022	Silver-110m	-9.99E-01	1.50E+00	4.75E+00	pCi/L	U
2204	594993002	10/6/2022	Silver-110m	8.48E-01	6.51E-01	2.06E+00	pCi/L	U
2204	566167001	1/4/2022	Tellurium-132	-1.82E+00	4.95E+00	1.51E+01	pCi/L	U
2204	575132001	4/4/2022	Tellurium-132	4.96E-01	1.27E+01	4.05E+01	pCi/L	U
2204	584824001	7/5/2022	Tellurium-132	2.27E+00	6.36E+00	2.20E+01	pCi/L	U
2204	594993002	10/6/2022	Tellurium-132	-3.53E-01	5.21E+00	1.79E+01	pCi/L	U
2204	566167001	1/4/2022	Thallium-208	-2.36E+00	1.86E+00	5.49E+00	pCi/L	U
2204	575132001	4/4/2022	Thallium-208	1.28E+00	9.84E-01	1.19E+00	pCi/L	UI
2204	584824001	7/5/2022	Thallium-208	2.56E+00	2.25E+00	3.31E+00	pCi/L	U
2204	594993002	10/6/2022	Thallium-208	-5.71E-01	7.43E-01	1.86E+00	pCi/L	U
2204	566167001	1/4/2022	Thorium-228	-3.57E+00	3.30E+00	9.94E+00	pCi/L	U
2204	575132001	4/4/2022	Thorium-228	-5.28E-01	1.35E+00	2.89E+00	pCi/L	U
2204	584824001	7/5/2022	Thorium-228	-2.55E+00	2.93E+00	9.78E+00	pCi/L	U
2204	594993002	10/6/2022	Thorium-228	1.41E+00	1.75E+00	3.54E+00	pCi/L	U
2204	566167001	1/4/2022	Thorium-230	8.14E+01	3.54E+02	1.10E+03	pCi/L	U
2204	575132001	4/4/2022	Thorium-230	-2.68E+02	2.53E+02	5.61E+02	pCi/L	U
2204	584824001	7/5/2022	Thorium-230	2.25E+03	1.10E+03	2.16E+03	pCi/L	UI
2204	594993002	10/6/2022	Thorium-230	1.86E+03	2.80E+02	5.35E+02	pCi/L	UI
2204	566167001	1/4/2022	Thorium-232	-7.26E+02	6.10E+02	2.13E+03	pCi/L	U
2204	575132001	4/4/2022	Thorium-232	1.03E+03	6.28E+02	9.49E+02	pCi/L	UI

Table 15: Complete REMP Results – Well Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	584824001	7/5/2022	Thorium-232	-3.97E+03	1.61E+03	4.32E+03	pCi/L	U
2204	594993002	10/6/2022	Thorium-232	6.04E+02	5.82E+02	9.14E+02	pCi/L	U
2204	566167001	1/4/2022	Thorium-234	-5.41E+00	4.19E+01	1.56E+02	pCi/L	U
2204	575132001	4/4/2022	Thorium-234	7.24E+01	4.41E+01	8.72E+01	pCi/L	U
2204	584824001	7/5/2022	Thorium-234	-1.11E+02	1.11E+02	3.22E+02	pCi/L	U
2204	594993002	10/6/2022	Thorium-234	4.25E+01	4.09E+01	8.11E+01	pCi/L	U
2204	566167001	1/4/2022	Tritium	-2.80E+02	1.94E+02	6.80E+02	pCi/L	U
2204	575132001	4/4/2022	Tritium	1.47E+02	1.03E+02	2.92E+02	pCi/L	U
2204	584824001	7/5/2022	Tritium	-1.52E+02	1.47E+02	5.20E+02	pCi/L	U
2204	594993002	10/6/2022	Tritium	1.78E+02	1.18E+02	3.58E+02	pCi/L	U
2204	566167001	1/4/2022	Uranium-234	5.89E+03	1.95E+03	3.22E+03	pCi/L	UI
2204	575132001	4/4/2022	Uranium-234	1.81E+03	1.33E+03	4.62E+03	pCi/L	U
2204	584824001	7/5/2022	Uranium-234	5.28E+03	5.80E+03	1.96E+04	pCi/L	U
2204	594993002	10/6/2022	Uranium-234	2.13E+03	9.77E+02	3.40E+03	pCi/L	U
2204	566167001	1/4/2022	Zinc-65	6.87E+00	2.96E+00	0.00E+00	pCi/L	UI
2204	575132001	4/4/2022	Zinc-65	-2.38E-01	7.76E-01	2.14E+00	pCi/L	U
2204	584824001	7/5/2022	Zinc-65	3.37E-02	2.56E+00	7.54E+00	pCi/L	U
2204	594993002	10/6/2022	Zinc-65	2.29E-01	9.94E-01	2.92E+00	pCi/L	U
2204	566167001	1/4/2022	Zirconium-95	-2.80E-01	3.06E+00	9.65E+00	pCi/L	U
2204	575132001	4/4/2022	Zirconium-95	3.05E-01	7.74E-01	2.46E+00	pCi/L	U
2204	584824001	7/5/2022	Zirconium-95	-2.73E+00	2.27E+00	6.35E+00	pCi/L	U
2204	594993002	10/6/2022	Zirconium-95	-2.52E-01	8.51E-01	2.52E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2140	566830004	1/10/2022	Actinium-228	-1.96E+00	5.65E+00	1.65E+01	pCi/L	U
2140	569536001	2/7/2022	Actinium-228	1.17E+01	5.35E+00	8.65E+00	pCi/L	UI
2140	572311001	3/7/2022	Actinium-228	6.22E-01	5.53E+00	8.62E+00	pCi/L	U
2140	575132004	4/4/2022	Actinium-228	4.82E+00	4.05E+00	1.14E+01	pCi/L	U
2140	578411003	5/3/2022	Actinium-228	-4.04E-01	3.78E+00	9.72E+00	pCi/L	U
2140	581373003	5/31/2022	Actinium-228	-1.04E+01	4.88E+00	1.33E+01	pCi/L	U
2140	584135003	6/27/2022	Actinium-228	8.82E-01	4.60E+00	1.58E+01	pCi/L	U
2140	587148001	7/26/2022	Actinium-228	-7.19E+00	5.39E+00	1.33E+01	pCi/L	U
2140	590525004	8/23/2022	Actinium-228	5.50E+00	7.04E+00	1.72E+01	pCi/L	U
2140	593606003	9/20/2022	Actinium-228	-1.18E+00	5.21E+00	1.76E+01	pCi/L	U
2140	597079003	10/18/2022	Actinium-228	1.20E+01	5.59E+00	1.91E+01	pCi/L	U
2140	600678003	11/15/2022	Actinium-228	-4.14E+00	5.00E+00	1.29E+01	pCi/L	U
2140	603753001	12/13/2022	Actinium-228	-1.88E+00	3.71E+00	1.02E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	566830004	1/10/2022	Americium-241	2.73E+00	2.40E+00	6.24E+00	pCi/L	U
2140	569536001	2/7/2022	Americium-241	1.83E-01	1.09E+00	3.39E+00	pCi/L	U
2140	572311001	3/7/2022	Americium-241	-3.60E+00	4.17E+00	1.42E+01	pCi/L	U
2140	575132004	4/4/2022	Americium-241	3.77E+00	4.29E+00	1.39E+01	pCi/L	U
2140	578411003	5/3/2022	Americium-241	-3.82E+00	4.02E+00	1.21E+01	pCi/L	U
2140	581373003	5/31/2022	Americium-241	1.06E+00	3.30E+00	1.15E+01	pCi/L	U
2140	584135003	6/27/2022	Americium-241	-4.02E+00	5.70E+00	1.69E+01	pCi/L	U
2140	587148001	7/26/2022	Americium-241	3.63E+00	1.35E+01	4.56E+01	pCi/L	U
2140	590525004	8/23/2022	Americium-241	6.96E+00	8.48E+00	2.70E+01	pCi/L	U
2140	593606003	9/20/2022	Americium-241	7.04E+00	5.20E+00	1.86E+01	pCi/L	U
2140	597079003	10/18/2022	Americium-241	-1.60E+00	4.90E+00	1.40E+01	pCi/L	U
2140	600678003	11/15/2022	Americium-241	5.44E+00	9.13E+00	3.10E+01	pCi/L	U
2140	603753001	12/13/2022	Americium-241	7.02E+00	5.08E+00	1.57E+01	pCi/L	U
2140	566830004	1/10/2022	Antimony-124	5.07E+00	3.01E+00	1.08E+01	pCi/L	U
2140	569536001	2/7/2022	Antimony-124	-1.40E+00	2.21E+00	4.23E+00	pCi/L	U
2140	572311001	3/7/2022	Antimony-124	-2.38E+00	2.65E+00	5.11E+00	pCi/L	U
2140	575132004	4/4/2022	Antimony-124	-1.20E+00	1.98E+00	6.01E+00	pCi/L	U
2140	578411003	5/3/2022	Antimony-124	-5.59E-01	1.65E+00	4.81E+00	pCi/L	U
2140	581373003	5/31/2022	Antimony-124	2.19E+00	1.64E+00	6.91E+00	pCi/L	U
2140	584135003	6/27/2022	Antimony-124	-3.10E+00	2.54E+00	6.88E+00	pCi/L	U
2140	587148001	7/26/2022	Antimony-124	4.91E+00	3.01E+00	1.23E+01	pCi/L	U
2140	590525004	8/23/2022	Antimony-124	5.05E-01	2.66E+00	8.86E+00	pCi/L	U
2140	593606003	9/20/2022	Antimony-124	5.10E-01	2.33E+00	7.85E+00	pCi/L	U
2140	597079003	10/18/2022	Antimony-124	-1.25E+00	2.31E+00	6.68E+00	pCi/L	U
2140	600678003	11/15/2022	Antimony-124	-2.51E+00	2.89E+00	7.13E+00	pCi/L	U
2140	603753001	12/13/2022	Antimony-124	-1.17E+00	1.88E+00	5.34E+00	pCi/L	U
2140	566830004	1/10/2022	Antimony-125	7.29E+00	3.80E+00	9.05E+00	pCi/L	U
2140	569536001	2/7/2022	Antimony-125	-7.46E-01	1.49E+00	4.85E+00	pCi/L	U
2140	572311001	3/7/2022	Antimony-125	1.14E+00	1.45E+00	4.88E+00	pCi/L	U
2140	575132004	4/4/2022	Antimony-125	-2.53E-02	1.74E+00	5.83E+00	pCi/L	U
2140	578411003	5/3/2022	Antimony-125	-2.27E+00	1.73E+00	5.53E+00	pCi/L	U
2140	581373003	5/31/2022	Antimony-125	-2.14E-01	2.73E+00	8.47E+00	pCi/L	U
2140	584135003	6/27/2022	Antimony-125	8.08E-01	2.95E+00	9.92E+00	pCi/L	U
2140	587148001	7/26/2022	Antimony-125	-1.63E+00	3.52E+00	1.15E+01	pCi/L	U
2140	590525004	8/23/2022	Antimony-125	-5.95E-01	3.38E+00	1.11E+01	pCi/L	U
2140	593606003	9/20/2022	Antimony-125	2.87E+00	2.65E+00	9.60E+00	pCi/L	U
2140	597079003	10/18/2022	Antimony-125	1.71E+00	2.70E+00	9.20E+00	pCi/L	U
2140	600678003	11/15/2022	Antimony-125	-2.87E-01	2.63E+00	7.88E+00	pCi/L	U
2140	603753001	12/13/2022	Antimony-125	-9.07E-01	1.75E+00	5.61E+00	pCi/L	U
2140	566830004	1/10/2022	Barium-140	1.21E+00	6.74E+00	2.20E+01	pCi/L	U
2140	569536001	2/7/2022	Barium-140	2.64E+00	4.38E+00	1.47E+01	pCi/L	U
2140	572311001	3/7/2022	Barium-140	-8.58E+00	5.66E+00	1.74E+01	pCi/L	U
2140	575132004	4/4/2022	Barium-140	2.25E+00	5.48E+00	1.06E+01	pCi/L	U
2140	578411003	5/3/2022	Barium-140	-6.23E+00	5.14E+00	1.62E+01	pCi/L	U
2140	581373003	5/31/2022	Barium-140	6.51E+00	6.10E+00	2.22E+01	pCi/L	U
2140	584135003	6/27/2022	Barium-140	-1.15E+01	6.86E+00	1.93E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2140	587148001	7/26/2022	Barium-140	-6.51E+00	5.91E+00	1.74E+01	pCi/L	U
2140	590525004	8/23/2022	Barium-140	-9.89E-02	4.07E+00	1.15E+01	pCi/L	U
2140	593606003	9/20/2022	Barium-140	3.52E+00	5.78E+00	1.86E+01	pCi/L	U
2140	597079003	10/18/2022	Barium-140	2.93E+00	5.32E+00	1.79E+01	pCi/L	U
2140	600678003	11/15/2022	Barium-140	4.87E+00	6.08E+00	2.11E+01	pCi/L	U
2140	603753001	12/13/2022	Barium-140	-1.26E+01	5.39E+00	1.04E+01	pCi/L	U
2140	566830004	1/10/2022	Beryllium-7	1.23E+01	1.07E+01	3.67E+01	pCi/L	U
2140	569536001	2/7/2022	Beryllium-7	-2.44E+00	5.13E+00	1.66E+01	pCi/L	U
2140	572311001	3/7/2022	Beryllium-7	4.89E+00	5.40E+00	1.82E+01	pCi/L	U
2140	575132004	4/4/2022	Beryllium-7	1.04E+01	6.30E+00	2.28E+01	pCi/L	U
2140	578411003	5/3/2022	Beryllium-7	6.58E+00	6.53E+00	2.27E+01	pCi/L	U
2140	581373003	5/31/2022	Beryllium-7	-1.79E+00	9.36E+00	2.85E+01	pCi/L	U
2140	584135003	6/27/2022	Beryllium-7	-8.53E+00	8.89E+00	2.68E+01	pCi/L	U
2140	587148001	7/26/2022	Beryllium-7	-8.52E+00	1.01E+01	3.13E+01	pCi/L	U
2140	590525004	8/23/2022	Beryllium-7	-6.54E-01	7.65E+00	2.49E+01	pCi/L	U
2140	593606003	9/20/2022	Beryllium-7	2.65E+00	9.11E+00	3.09E+01	pCi/L	U
2140	597079003	10/18/2022	Beryllium-7	2.60E+00	9.30E+00	3.07E+01	pCi/L	U
2140	600678003	11/15/2022	Beryllium-7	1.15E+01	1.79E+01	2.33E+01	pCi/L	U
2140	603753001	12/13/2022	Beryllium-7	1.16E+01	8.25E+00	2.03E+01	pCi/L	U
2140	566830004	1/10/2022	BETA	1.80E+00	8.95E-01	2.47E+00	pCi/L	U
2140	569536001	2/7/2022	BETA	-1.21E+00	8.53E-01	3.07E+00	pCi/L	U
2140	572311001	3/7/2022	BETA	1.65E+00	1.15E+00	3.47E+00	pCi/L	U
2140	575132004	4/4/2022	BETA	9.19E-01	1.07E+00	3.36E+00	pCi/L	U
2140	578411003	5/3/2022	BETA	-7.89E-01	8.56E-01	2.98E+00	pCi/L	U
2140	581373003	5/31/2022	BETA	2.67E+00	1.09E+00	3.26E+00	pCi/L	U
2140	584135003	6/27/2022	BETA	9.46E-01	7.96E-01	2.35E+00	pCi/L	U
2140	587148001	7/26/2022	BETA	1.10E+00	7.08E-01	1.95E+00	pCi/L	U
2140	590525004	8/23/2022	BETA	2.20E+00	9.80E-01	2.77E+00	pCi/L	U
2140	593606003	9/20/2022	BETA	2.41E+00	2.28E+00	3.48E+00	pCi/L	U
2140	597079003	10/18/2022	BETA	-1.43E+00	1.49E+00	2.80E+00	pCi/L	U
2140	600678003	11/15/2022	BETA	2.19E+00	9.52E-01	2.64E+00	pCi/L	U
2140	603753001	12/13/2022	BETA	3.56E-01	8.30E-01	2.59E+00	pCi/L	U
2140	566830004	1/10/2022	Bismuth-214	-2.87E+00	3.60E+00	9.57E+00	pCi/L	U
2140	569536001	2/7/2022	Bismuth-214	5.24E+00	2.31E+00	4.59E+00	pCi/L	UI
2140	572311001	3/7/2022	Bismuth-214	-5.87E+00	2.17E+00	4.10E+00	pCi/L	U
2140	575132004	4/4/2022	Bismuth-214	-9.73E-01	2.27E+00	6.32E+00	pCi/L	U
2140	578411003	5/3/2022	Bismuth-214	3.74E+00	3.64E+00	6.41E+00	pCi/L	U
2140	581373003	5/31/2022	Bismuth-214	-3.10E+00	3.04E+00	9.97E+00	pCi/L	U
2140	584135003	6/27/2022	Bismuth-214	3.80E+00	3.26E+00	9.53E+00	pCi/L	U
2140	587148001	7/26/2022	Bismuth-214	6.84E+00	3.87E+00	7.31E+00	pCi/L	U
2140	590525004	8/23/2022	Bismuth-214	1.69E+00	3.75E+00	1.13E+01	pCi/L	U
2140	593606003	9/20/2022	Bismuth-214	9.47E+00	4.93E+00	1.21E+01	pCi/L	U
2140	597079003	10/18/2022	Bismuth-214	2.37E+00	2.95E+00	9.52E+00	pCi/L	U
2140	600678003	11/15/2022	Bismuth-214	3.99E+00	4.05E+00	8.66E+00	pCi/L	U
2140	603753001	12/13/2022	Bismuth-214	3.47E+00	3.06E+00	6.18E+00	pCi/L	U
2140	566830004	1/10/2022	Cerium-141	-5.40E-01	2.15E+00	5.56E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	569536001	2/7/2022	Cerium-141	1.39E+00	1.08E+00	3.30E+00	pCi/L	U
2140	572311001	3/7/2022	Cerium-141	1.37E+00	1.33E+00	4.57E+00	pCi/L	U
2140	575132004	4/4/2022	Cerium-141	-3.70E+00	1.86E+00	4.91E+00	pCi/L	U
2140	578411003	5/3/2022	Cerium-141	1.83E+00	1.47E+00	4.89E+00	pCi/L	U
2140	581373003	5/31/2022	Cerium-141	2.80E+00	2.37E+00	7.61E+00	pCi/L	U
2140	584135003	6/27/2022	Cerium-141	1.13E+00	2.24E+00	6.78E+00	pCi/L	U
2140	587148001	7/26/2022	Cerium-141	-4.21E+00	2.90E+00	7.98E+00	pCi/L	U
2140	590525004	8/23/2022	Cerium-141	-1.66E+00	2.32E+00	7.06E+00	pCi/L	U
2140	593606003	9/20/2022	Cerium-141	-1.57E+00	2.08E+00	5.82E+00	pCi/L	U
2140	597079003	10/18/2022	Cerium-141	3.67E-01	1.75E+00	5.44E+00	pCi/L	U
2140	600678003	11/15/2022	Cerium-141	-3.79E+00	2.12E+00	6.39E+00	pCi/L	U
2140	603753001	12/13/2022	Cerium-141	-8.50E+00	1.79E+00	3.88E+00	pCi/L	U
2140	566830004	1/10/2022	Cerium-144	4.90E+00	6.10E+00	1.94E+01	pCi/L	U
2140	569536001	2/7/2022	Cerium-144	-1.42E+00	3.09E+00	9.79E+00	pCi/L	U
2140	572311001	3/7/2022	Cerium-144	-8.20E+00	3.82E+00	1.25E+01	pCi/L	U
2140	575132004	4/4/2022	Cerium-144	-6.81E-02	4.69E+00	1.52E+01	pCi/L	U
2140	578411003	5/3/2022	Cerium-144	4.84E+00	4.68E+00	1.56E+01	pCi/L	U
2140	581373003	5/31/2022	Cerium-144	2.95E+00	7.29E+00	2.48E+01	pCi/L	U
2140	584135003	6/27/2022	Cerium-144	-1.70E+00	7.57E+00	2.41E+01	pCi/L	U
2140	587148001	7/26/2022	Cerium-144	-1.16E+01	9.13E+00	2.76E+01	pCi/L	U
2140	590525004	8/23/2022	Cerium-144	-1.23E+01	8.08E+00	2.34E+01	pCi/L	U
2140	593606003	9/20/2022	Cerium-144	-2.47E+00	6.86E+00	2.16E+01	pCi/L	U
2140	597079003	10/18/2022	Cerium-144	8.92E-01	6.82E+00	2.24E+01	pCi/L	U
2140	600678003	11/15/2022	Cerium-144	7.53E+00	6.63E+00	2.22E+01	pCi/L	U
2140	603753001	12/13/2022	Cerium-144	1.53E+00	4.98E+00	1.45E+01	pCi/L	U
2140	566830004	1/10/2022	Cesium-134	-4.96E-01	1.37E+00	4.53E+00	pCi/L	U
2140	569536001	2/7/2022	Cesium-134	9.17E-01	7.30E-01	2.46E+00	pCi/L	U
2140	572311001	3/7/2022	Cesium-134	-8.06E-01	5.97E-01	1.79E+00	pCi/L	U
2140	575132004	4/4/2022	Cesium-134	1.08E-02	7.21E-01	2.31E+00	pCi/L	U
2140	578411003	5/3/2022	Cesium-134	-3.93E-01	1.28E+00	2.45E+00	pCi/L	U
2140	581373003	5/31/2022	Cesium-134	2.20E+00	1.16E+00	4.47E+00	pCi/L	U
2140	584135003	6/27/2022	Cesium-134	5.48E-01	1.15E+00	4.05E+00	pCi/L	U
2140	587148001	7/26/2022	Cesium-134	-2.92E+00	1.54E+00	3.69E+00	pCi/L	U
2140	590525004	8/23/2022	Cesium-134	1.13E+00	1.36E+00	4.28E+00	pCi/L	U
2140	593606003	9/20/2022	Cesium-134	-2.09E+00	1.26E+00	3.19E+00	pCi/L	U
2140	597079003	10/18/2022	Cesium-134	-2.53E-01	7.62E-01	2.46E+00	pCi/L	U
2140	600678003	11/15/2022	Cesium-134	1.32E+00	1.00E+00	3.54E+00	pCi/L	U
2140	603753001	12/13/2022	Cesium-134	7.42E-01	7.11E-01	2.49E+00	pCi/L	U
2140	566830004	1/10/2022	Cesium-137	7.56E-01	1.39E+00	4.56E+00	pCi/L	U
2140	569536001	2/7/2022	Cesium-137	6.76E-02	5.92E-01	1.92E+00	pCi/L	U
2140	572311001	3/7/2022	Cesium-137	3.91E-01	1.51E+00	1.71E+00	pCi/L	U
2140	575132004	4/4/2022	Cesium-137	-6.90E-01	9.74E-01	2.86E+00	pCi/L	U
2140	578411003	5/3/2022	Cesium-137	7.70E-01	7.76E-01	2.42E+00	pCi/L	U
2140	581373003	5/31/2022	Cesium-137	5.72E-01	1.04E+00	3.65E+00	pCi/L	U
2140	584135003	6/27/2022	Cesium-137	-1.94E+00	1.92E+00	6.60E+00	pCi/L	U
2140	587148001	7/26/2022	Cesium-137	-1.00E+00	1.24E+00	3.71E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2140	590525004	8/23/2022	Cesium-137	-7.51E-02	1.20E+00	3.91E+00	pCi/L	U
2140	593606003	9/20/2022	Cesium-137	1.69E-01	9.86E-01	3.26E+00	pCi/L	U
2140	597079003	10/18/2022	Cesium-137	-6.46E-01	1.17E+00	3.45E+00	pCi/L	U
2140	600678003	11/15/2022	Cesium-137	4.10E-01	8.67E-01	2.93E+00	pCi/L	U
2140	603753001	12/13/2022	Cesium-137	8.97E-01	7.27E-01	2.42E+00	pCi/L	U
2140	566830004	1/10/2022	Chromium-51	1.14E+01	9.84E+00	3.42E+01	pCi/L	U
2140	569536001	2/7/2022	Chromium-51	8.67E-01	5.75E+00	1.95E+01	pCi/L	U
2140	572311001	3/7/2022	Chromium-51	-6.96E-01	7.05E+00	2.33E+01	pCi/L	U
2140	575132004	4/4/2022	Chromium-51	7.38E+00	7.87E+00	2.78E+01	pCi/L	U
2140	578411003	5/3/2022	Chromium-51	-9.87E+00	7.71E+00	2.55E+01	pCi/L	U
2140	581373003	5/31/2022	Chromium-51	1.70E+01	9.54E+00	3.41E+01	pCi/L	U
2140	584135003	6/27/2022	Chromium-51	-6.02E+00	1.04E+01	3.38E+01	pCi/L	U
2140	587148001	7/26/2022	Chromium-51	3.30E+01	1.64E+01	3.85E+01	pCi/L	U
2140	590525004	8/23/2022	Chromium-51	1.56E-01	8.63E+00	2.90E+01	pCi/L	U
2140	593606003	9/20/2022	Chromium-51	2.44E+01	9.43E+00	3.67E+01	pCi/L	U
2140	597079003	10/18/2022	Chromium-51	-5.45E+00	1.00E+01	3.03E+01	pCi/L	U
2140	600678003	11/15/2022	Chromium-51	-2.26E+01	9.70E+00	2.98E+01	pCi/L	U
2140	603753001	12/13/2022	Chromium-51	6.76E+00	6.05E+00	2.07E+01	pCi/L	U
2140	566830004	1/10/2022	Cobalt-57	-3.82E-01	6.62E-01	2.24E+00	pCi/L	U
2140	569536001	2/7/2022	Cobalt-57	2.18E-01	3.99E-01	1.30E+00	pCi/L	U
2140	572311001	3/7/2022	Cobalt-57	-7.79E-01	5.14E-01	1.71E+00	pCi/L	U
2140	575132004	4/4/2022	Cobalt-57	8.38E-01	6.14E-01	2.09E+00	pCi/L	U
2140	578411003	5/3/2022	Cobalt-57	-5.96E-01	6.02E-01	1.91E+00	pCi/L	U
2140	581373003	5/31/2022	Cobalt-57	-3.17E-02	9.19E-01	3.08E+00	pCi/L	U
2140	584135003	6/27/2022	Cobalt-57	4.39E-02	9.84E-01	3.18E+00	pCi/L	U
2140	587148001	7/26/2022	Cobalt-57	1.79E+00	1.20E+00	4.17E+00	pCi/L	U
2140	590525004	8/23/2022	Cobalt-57	7.97E-01	1.14E+00	3.72E+00	pCi/L	U
2140	593606003	9/20/2022	Cobalt-57	-1.01E+00	9.55E-01	2.91E+00	pCi/L	U
2140	597079003	10/18/2022	Cobalt-57	2.14E-01	1.03E+00	3.13E+00	pCi/L	U
2140	600678003	11/15/2022	Cobalt-57	7.91E-01	8.47E-01	2.83E+00	pCi/L	U
2140	603753001	12/13/2022	Cobalt-57	1.25E-01	6.32E-01	2.00E+00	pCi/L	U
2140	566830004	1/10/2022	Cobalt-58	4.57E-01	1.18E+00	4.08E+00	pCi/L	U
2140	569536001	2/7/2022	Cobalt-58	5.16E-01	5.93E-01	2.10E+00	pCi/L	U
2140	572311001	3/7/2022	Cobalt-58	-5.90E-01	5.97E-01	1.82E+00	pCi/L	U
2140	575132004	4/4/2022	Cobalt-58	-2.74E-01	7.61E-01	2.37E+00	pCi/L	U
2140	578411003	5/3/2022	Cobalt-58	-6.97E-01	7.56E-01	2.32E+00	pCi/L	U
2140	581373003	5/31/2022	Cobalt-58	-6.51E-01	9.87E-01	3.04E+00	pCi/L	U
2140	584135003	6/27/2022	Cobalt-58	-1.41E-01	1.02E+00	3.42E+00	pCi/L	U
2140	587148001	7/26/2022	Cobalt-58	-2.91E-01	1.42E+00	4.14E+00	pCi/L	U
2140	590525004	8/23/2022	Cobalt-58	-7.55E-01	1.15E+00	2.89E+00	pCi/L	U
2140	593606003	9/20/2022	Cobalt-58	-6.75E-01	1.18E+00	3.51E+00	pCi/L	U
2140	597079003	10/18/2022	Cobalt-58	-7.18E-01	9.39E-01	2.79E+00	pCi/L	U
2140	600678003	11/15/2022	Cobalt-58	-6.06E-01	9.48E-01	2.90E+00	pCi/L	U
2140	603753001	12/13/2022	Cobalt-58	-1.30E-01	6.07E-01	2.02E+00	pCi/L	U
2140	566830004	1/10/2022	Cobalt-60	2.11E-01	1.18E+00	3.94E+00	pCi/L	U
2140	569536001	2/7/2022	Cobalt-60	2.20E-01	6.44E-01	2.15E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	572311001	3/7/2022	Cobalt-60	3.92E-01	5.87E-01	2.04E+00	pCi/L	U
2140	575132004	4/4/2022	Cobalt-60	5.93E-01	7.30E-01	2.59E+00	pCi/L	U
2140	578411003	5/3/2022	Cobalt-60	1.18E+00	6.43E-01	2.42E+00	pCi/L	U
2140	581373003	5/31/2022	Cobalt-60	-2.98E-01	1.18E+00	4.07E+00	pCi/L	U
2140	584135003	6/27/2022	Cobalt-60	9.88E-01	1.09E+00	3.96E+00	pCi/L	U
2140	587148001	7/26/2022	Cobalt-60	-3.97E-01	1.16E+00	3.67E+00	pCi/L	U
2140	590525004	8/23/2022	Cobalt-60	-2.07E+00	1.27E+00	3.27E+00	pCi/L	U
2140	593606003	9/20/2022	Cobalt-60	3.10E-01	1.17E+00	3.98E+00	pCi/L	U
2140	597079003	10/18/2022	Cobalt-60	1.65E+00	1.04E+00	4.05E+00	pCi/L	U
2140	600678003	11/15/2022	Cobalt-60	1.86E-01	8.46E-01	2.89E+00	pCi/L	U
2140	603753001	12/13/2022	Cobalt-60	9.81E-02	6.74E-01	2.20E+00	pCi/L	U
2140	566830004	1/10/2022	Iodine-131	-1.07E+00	2.41E+00	7.77E+00	pCi/L	U
2140	569536001	2/7/2022	Iodine-131	2.89E+00	1.78E+00	6.26E+00	pCi/L	U
2140	572311001	3/7/2022	Iodine-131	4.16E+00	3.21E+00	1.10E+01	pCi/L	U
2140	575132004	4/4/2022	Iodine-131	-3.57E-01	2.15E-01	7.73E-01	pCi/L	U
2140	578411003	5/3/2022	Iodine-131	-4.74E-02	2.36E-01	7.81E-01	pCi/L	U
2140	578411003	5/3/2022	Iodine-131	1.60E+00	2.32E+00	8.06E+00	pCi/L	U
2140	581373003	5/31/2022	Iodine-131	-1.02E+00	2.13E+00	6.49E+00	pCi/L	U
2140	581373003	5/31/2022	Iodine-131	-1.66E-01	2.02E-01	6.82E-01	pCi/L	U
2140	584135003	6/27/2022	Iodine-131	5.71E-01	2.44E-01	7.51E-01	pCi/L	U
2140	587148001	7/26/2022	Iodine-131	8.13E-01	2.95E-01	9.20E-01	pCi/L	U
2140	590525004	8/23/2022	Iodine-131	-7.74E-02	1.31E+00	4.37E+00	pCi/L	U
2140	590525004	8/23/2022	Iodine-131	-2.54E-01	2.25E-01	7.75E-01	pCi/L	U
2140	593606003	9/20/2022	Iodine-131	1.75E-01	2.61E-01	8.32E-01	pCi/L	U
2140	597079003	10/18/2022	Iodine-131	6.19E-02	1.97E-01	6.46E-01	pCi/L	U
2140	600678003	11/15/2022	Iodine-131	-5.19E-02	3.00E-01	9.91E-01	pCi/L	U
2140	603753001	12/13/2022	Iodine-131	2.63E-01	2.46E-01	7.65E-01	pCi/L	U
2140	566830004	1/10/2022	Iron-59	-3.86E+00	2.72E+00	8.06E+00	pCi/L	U
2140	569536001	2/7/2022	Iron-59	-1.03E+00	1.44E+00	4.59E+00	pCi/L	U
2140	572311001	3/7/2022	Iron-59	-8.58E-01	2.12E+00	4.49E+00	pCi/L	U
2140	575132004	4/4/2022	Iron-59	-1.03E+00	1.99E+00	5.58E+00	pCi/L	U
2140	578411003	5/3/2022	Iron-59	5.82E-01	1.55E+00	5.35E+00	pCi/L	U
2140	581373003	5/31/2022	Iron-59	2.87E+00	2.28E+00	8.38E+00	pCi/L	U
2140	584135003	6/27/2022	Iron-59	-1.11E-01	2.11E+00	6.90E+00	pCi/L	U
2140	587148001	7/26/2022	Iron-59	-4.14E-01	3.09E+00	9.03E+00	pCi/L	U
2140	590525004	8/23/2022	Iron-59	-1.74E-01	2.07E+00	6.84E+00	pCi/L	U
2140	593606003	9/20/2022	Iron-59	1.65E-01	2.20E+00	7.43E+00	pCi/L	U
2140	597079003	10/18/2022	Iron-59	7.97E-01	1.84E+00	6.40E+00	pCi/L	U
2140	600678003	11/15/2022	Iron-59	-3.28E+00	1.74E+00	4.81E+00	pCi/L	U
2140	603753001	12/13/2022	Iron-59	-4.46E-01	1.54E+00	4.34E+00	pCi/L	U
2140	566830004	1/10/2022	Lanthanum-140	5.18E+00	2.74E+00	9.98E+00	pCi/L	U
2140	569536001	2/7/2022	Lanthanum-140	1.04E+00	1.43E+00	4.38E+00	pCi/L	U
2140	572311001	3/7/2022	Lanthanum-140	2.22E+00	1.93E+00	6.84E+00	pCi/L	U
2140	575132004	4/4/2022	Lanthanum-140	3.60E+00	2.08E+00	6.27E+00	pCi/L	U
2140	578411003	5/3/2022	Lanthanum-140	-1.78E+00	1.60E+00	4.78E+00	pCi/L	U
2140	581373003	5/31/2022	Lanthanum-140	-2.22E+00	1.85E+00	5.11E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2140	584135003	6/27/2022	Lanthanum-140	7.96E-01	1.24E+00	4.70E+00	pCi/L	U
2140	587148001	7/26/2022	Lanthanum-140	-4.86E+00	2.20E+00	3.79E+00	pCi/L	U
2140	590525004	8/23/2022	Lanthanum-140	-1.40E+00	1.47E+00	4.04E+00	pCi/L	U
2140	593606003	9/20/2022	Lanthanum-140	-5.05E-01	2.03E+00	6.37E+00	pCi/L	U
2140	597079003	10/18/2022	Lanthanum-140	-1.62E+00	1.92E+00	5.41E+00	pCi/L	U
2140	600678003	11/15/2022	Lanthanum-140	-1.89E+00	2.00E+00	5.82E+00	pCi/L	U
2140	603753001	12/13/2022	Lanthanum-140	1.74E+00	1.30E+00	4.25E+00	pCi/L	U
2140	566830004	1/10/2022	Lead-210	7.19E+01	3.00E+01	4.16E+01	pCi/L	UI
2140	569536001	2/7/2022	Lead-210	2.23E+01	2.05E+01	2.89E+01	pCi/L	U
2140	572311001	3/7/2022	Lead-210	-1.03E+02	3.18E+02	4.79E+02	pCi/L	U
2140	575132004	4/4/2022	Lead-210	4.06E+02	2.57E+02	3.49E+02	pCi/L	UI
2140	578411003	5/3/2022	Lead-210	-3.92E+01	1.23E+02	3.26E+02	pCi/L	U
2140	581373003	5/31/2022	Lead-210	4.06E+01	5.84E+01	1.21E+02	pCi/L	U
2140	584135003	6/27/2022	Lead-210	-2.43E+01	1.34E+02	4.28E+02	pCi/L	U
2140	587148001	7/26/2022	Lead-210	1.44E+03	9.76E+02	1.61E+03	pCi/L	U
2140	590525004	8/23/2022	Lead-210	2.17E+02	3.64E+02	1.14E+03	pCi/L	U
2140	593606003	9/20/2022	Lead-210	1.72E+02	2.99E+02	5.12E+02	pCi/L	U
2140	597079003	10/18/2022	Lead-210	2.05E+02	1.44E+02	2.22E+02	pCi/L	U
2140	600678003	11/15/2022	Lead-210	-9.00E+02	5.22E+02	1.36E+03	pCi/L	U
2140	603753001	12/13/2022	Lead-210	-6.42E+01	1.49E+02	4.81E+02	pCi/L	U
2140	566830004	1/10/2022	Lead-212	-1.96E+00	2.50E+00	7.60E+00	pCi/L	U
2140	569536001	2/7/2022	Lead-212	5.12E-01	1.81E+00	3.65E+00	pCi/L	U
2140	572311001	3/7/2022	Lead-212	-2.00E+00	1.70E+00	4.09E+00	pCi/L	U
2140	575132004	4/4/2022	Lead-212	1.59E+00	2.67E+00	4.94E+00	pCi/L	U
2140	578411003	5/3/2022	Lead-212	-2.65E-02	1.72E+00	4.79E+00	pCi/L	U
2140	581373003	5/31/2022	Lead-212	3.93E+00	3.70E+00	9.13E+00	pCi/L	U
2140	584135003	6/27/2022	Lead-212	1.57E+00	3.69E+00	8.11E+00	pCi/L	U
2140	587148001	7/26/2022	Lead-212	4.36E+00	5.18E+00	7.99E+00	pCi/L	U
2140	590525004	8/23/2022	Lead-212	3.24E+00	3.76E+00	9.54E+00	pCi/L	U
2140	593606003	9/20/2022	Lead-212	3.23E+00	4.15E+00	1.16E+01	pCi/L	U
2140	597079003	10/18/2022	Lead-212	4.00E+00	3.28E+00	7.75E+00	pCi/L	U
2140	600678003	11/15/2022	Lead-212	8.54E-01	3.03E+00	7.39E+00	pCi/L	U
2140	603753001	12/13/2022	Lead-212	-1.53E+00	1.74E+00	4.55E+00	pCi/L	U
2140	566830004	1/10/2022	Lead-214	-2.21E+00	2.72E+00	8.08E+00	pCi/L	U
2140	569536001	2/7/2022	Lead-214	1.39E+00	2.64E+00	4.51E+00	pCi/L	U
2140	572311001	3/7/2022	Lead-214	9.32E-02	2.57E+00	4.42E+00	pCi/L	U
2140	575132004	4/4/2022	Lead-214	-2.55E+00	2.07E+00	5.76E+00	pCi/L	U
2140	578411003	5/3/2022	Lead-214	-2.26E+00	2.14E+00	5.67E+00	pCi/L	U
2140	581373003	5/31/2022	Lead-214	1.22E+00	4.27E+00	1.01E+01	pCi/L	U
2140	584135003	6/27/2022	Lead-214	4.05E-01	2.76E+00	8.88E+00	pCi/L	U
2140	587148001	7/26/2022	Lead-214	-5.87E+00	3.50E+00	1.05E+01	pCi/L	U
2140	590525004	8/23/2022	Lead-214	3.80E+00	4.87E+00	1.15E+01	pCi/L	U
2140	593606003	9/20/2022	Lead-214	2.61E+00	2.78E+00	8.90E+00	pCi/L	U
2140	597079003	10/18/2022	Lead-214	5.28E+00	3.81E+00	9.14E+00	pCi/L	U
2140	600678003	11/15/2022	Lead-214	6.92E+00	5.48E+00	8.14E+00	pCi/L	U
2140	603753001	12/13/2022	Lead-214	-2.72E+00	2.33E+00	5.53E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2140	566830004	1/10/2022	Manganese-54	1.58E+00	9.77E-01	3.66E+00	pCi/L	U
2140	569536001	2/7/2022	Manganese-54	-7.84E-01	5.65E-01	1.79E+00	pCi/L	U
2140	572311001	3/7/2022	Manganese-54	-7.12E-01	5.68E-01	1.71E+00	pCi/L	U
2140	575132004	4/4/2022	Manganese-54	-2.81E-01	7.19E-01	2.23E+00	pCi/L	U
2140	578411003	5/3/2022	Manganese-54	-7.87E-01	7.80E-01	2.39E+00	pCi/L	U
2140	581373003	5/31/2022	Manganese-54	3.39E-01	9.21E-01	3.16E+00	pCi/L	U
2140	584135003	6/27/2022	Manganese-54	1.42E+00	1.01E+00	3.55E+00	pCi/L	U
2140	587148001	7/26/2022	Manganese-54	5.16E-01	9.93E-01	3.41E+00	pCi/L	U
2140	590525004	8/23/2022	Manganese-54	5.98E-01	1.26E+00	4.16E+00	pCi/L	U
2140	593606003	9/20/2022	Manganese-54	8.04E-01	1.08E+00	3.73E+00	pCi/L	U
2140	597079003	10/18/2022	Manganese-54	7.49E-01	9.26E-01	3.35E+00	pCi/L	U
2140	600678003	11/15/2022	Manganese-54	-6.98E-01	8.42E-01	2.52E+00	pCi/L	U
2140	603753001	12/13/2022	Manganese-54	1.03E+00	6.27E-01	2.24E+00	pCi/L	U
2140	566830004	1/10/2022	Molybdenum-99	1.50E+03	5.31E+02	4.66E+02	pCi/L	UI
2140	569536001	2/7/2022	Molybdenum-99	-1.04E+01	1.84E+02	5.86E+02	pCi/L	U
2140	572311001	3/7/2022	Molybdenum-99	4.74E+02	8.08E+02	2.66E+03	pCi/L	U
2140	575132004	4/4/2022	Molybdenum-99	-6.67E+01	2.82E+02	8.91E+02	pCi/L	U
2140	578411003	5/3/2022	Molybdenum-99	4.60E+02	2.24E+02	8.04E+02	pCi/L	U
2140	581373003	5/31/2022	Molybdenum-99	-1.49E+01	6.88E+01	2.24E+02	pCi/L	U
2140	584135003	6/27/2022	Molybdenum-99	1.58E+02	8.69E+01	3.13E+02	pCi/L	U
2140	587148001	7/26/2022	Molybdenum-99	3.38E+01	8.53E+01	2.89E+02	pCi/L	U
2140	590525004	8/23/2022	Molybdenum-99	1.84E+01	1.61E+01	5.79E+01	pCi/L	U
2140	593606003	9/20/2022	Molybdenum-99	1.28E+01	4.04E+01	1.21E+02	pCi/L	U
2140	597079003	10/18/2022	Molybdenum-99	-5.79E+01	4.54E+01	1.32E+02	pCi/L	U
2140	600678003	11/15/2022	Molybdenum-99	-8.96E+01	2.46E+02	7.78E+02	pCi/L	U
2140	603753001	12/13/2022	Molybdenum-99	4.15E+01	4.41E+01	1.54E+02	pCi/L	U
2140	566830004	1/10/2022	Niobium-95	4.49E-01	1.14E+00	3.96E+00	pCi/L	U
2140	569536001	2/7/2022	Niobium-95	4.91E-01	7.65E-01	2.50E+00	pCi/L	U
2140	572311001	3/7/2022	Niobium-95	1.52E+00	1.59E+00	1.91E+00	pCi/L	U
2140	575132004	4/4/2022	Niobium-95	-4.25E-02	8.35E-01	2.68E+00	pCi/L	U
2140	578411003	5/3/2022	Niobium-95	1.13E+00	8.08E-01	2.79E+00	pCi/L	U
2140	581373003	5/31/2022	Niobium-95	-1.50E+00	1.15E+00	3.13E+00	pCi/L	U
2140	584135003	6/27/2022	Niobium-95	-2.99E-01	1.15E+00	3.83E+00	pCi/L	U
2140	587148001	7/26/2022	Niobium-95	-1.20E+00	1.23E+00	3.54E+00	pCi/L	U
2140	590525004	8/23/2022	Niobium-95	1.27E-01	1.08E+00	3.11E+00	pCi/L	U
2140	593606003	9/20/2022	Niobium-95	-3.77E-01	1.19E+00	3.68E+00	pCi/L	U
2140	597079003	10/18/2022	Niobium-95	9.64E-01	1.08E+00	3.70E+00	pCi/L	U
2140	600678003	11/15/2022	Niobium-95	-5.82E-01	1.02E+00	3.18E+00	pCi/L	U
2140	603753001	12/13/2022	Niobium-95	3.44E-01	7.19E-01	2.47E+00	pCi/L	U
2140	566830004	1/10/2022	Potassium-40	-1.53E+01	1.86E+01	5.88E+01	pCi/L	U
2140	569536001	2/7/2022	Potassium-40	-4.40E+00	1.04E+01	2.94E+01	pCi/L	U
2140	572311001	3/7/2022	Potassium-40	-2.13E+01	1.28E+01	2.70E+01	pCi/L	U
2140	575132004	4/4/2022	Potassium-40	-2.83E+01	1.14E+01	3.14E+01	pCi/L	U
2140	578411003	5/3/2022	Potassium-40	-4.02E+01	1.14E+01	2.64E+01	pCi/L	U
2140	581373003	5/31/2022	Potassium-40	-9.47E+00	1.73E+01	6.20E+01	pCi/L	U
2140	584135003	6/27/2022	Potassium-40	-1.24E-01	1.48E+01	5.08E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	587148001	7/26/2022	Potassium-40	2.33E+01	2.57E+01	2.93E+01	pCi/L	U
2140	590525004	8/23/2022	Potassium-40	-5.90E+00	1.77E+01	6.39E+01	pCi/L	U
2140	593606003	9/20/2022	Potassium-40	-4.23E+01	1.88E+01	4.74E+01	pCi/L	U
2140	597079003	10/18/2022	Potassium-40	-1.60E+01	1.51E+01	4.65E+01	pCi/L	U
2140	600678003	11/15/2022	Potassium-40	-2.88E+01	1.51E+01	4.90E+01	pCi/L	U
2140	603753001	12/13/2022	Potassium-40	-2.40E+01	1.34E+01	3.69E+01	pCi/L	U
2140	566830004	1/10/2022	Radium-226	-3.78E+01	2.54E+01	7.91E+01	pCi/L	U
2140	569536001	2/7/2022	Radium-226	-3.71E+01	2.21E+01	5.64E+01	pCi/L	U
2140	572311001	3/7/2022	Radium-226	1.96E+01	2.89E+01	3.78E+01	pCi/L	U
2140	575132004	4/4/2022	Radium-226	3.92E+00	3.76E+01	5.03E+01	pCi/L	U
2140	578411003	5/3/2022	Radium-226	1.87E+01	2.79E+01	4.67E+01	pCi/L	U
2140	581373003	5/31/2022	Radium-226	9.41E+01	4.13E+01	6.50E+01	pCi/L	UI
2140	584135003	6/27/2022	Radium-226	6.52E+01	5.33E+01	7.18E+01	pCi/L	U
2140	587148001	7/26/2022	Radium-226	1.23E+02	4.60E+01	8.18E+01	pCi/L	UI
2140	590525004	8/23/2022	Radium-226	7.21E+00	5.90E+01	8.30E+01	pCi/L	U
2140	593606003	9/20/2022	Radium-226	4.86E+01	3.97E+01	7.73E+01	pCi/L	U
2140	597079003	10/18/2022	Radium-226	6.98E+01	3.89E+01	6.76E+01	pCi/L	UI
2140	600678003	11/15/2022	Radium-226	5.88E+01	4.11E+01	5.88E+01	pCi/L	U
2140	603753001	12/13/2022	Radium-226	7.99E-01	3.45E+01	4.73E+01	pCi/L	U
2140	566830004	1/10/2022	Radium-228	-1.96E+00	5.65E+00	1.65E+01	pCi/L	U
2140	569536001	2/7/2022	Radium-228	1.17E+01	5.35E+00	8.65E+00	pCi/L	UI
2140	572311001	3/7/2022	Radium-228	6.22E-01	5.53E+00	8.62E+00	pCi/L	U
2140	575132004	4/4/2022	Radium-228	4.82E+00	4.05E+00	1.14E+01	pCi/L	U
2140	578411003	5/3/2022	Radium-228	-4.04E-01	3.78E+00	9.72E+00	pCi/L	U
2140	581373003	5/31/2022	Radium-228	-1.04E+01	4.88E+00	1.33E+01	pCi/L	U
2140	584135003	6/27/2022	Radium-228	8.82E-01	4.60E+00	1.58E+01	pCi/L	U
2140	587148001	7/26/2022	Radium-228	-7.19E+00	5.39E+00	1.33E+01	pCi/L	U
2140	590525004	8/23/2022	Radium-228	5.50E+00	7.04E+00	1.72E+01	pCi/L	U
2140	593606003	9/20/2022	Radium-228	-1.18E+00	5.21E+00	1.76E+01	pCi/L	U
2140	597079003	10/18/2022	Radium-228	1.20E+01	5.59E+00	1.91E+01	pCi/L	U
2140	600678003	11/15/2022	Radium-228	-4.14E+00	5.00E+00	1.29E+01	pCi/L	U
2140	603753001	12/13/2022	Radium-228	-1.88E+00	3.71E+00	1.02E+01	pCi/L	U
2140	566830004	1/10/2022	Ruthenium-103	-3.57E+00	1.29E+00	3.50E+00	pCi/L	U
2140	569536001	2/7/2022	Ruthenium-103	-1.03E+00	6.90E-01	2.13E+00	pCi/L	U
2140	572311001	3/7/2022	Ruthenium-103	-1.41E+00	6.95E-01	2.11E+00	pCi/L	U
2140	575132004	4/4/2022	Ruthenium-103	-3.87E-01	9.08E-01	2.61E+00	pCi/L	U
2140	578411003	5/3/2022	Ruthenium-103	3.00E-01	9.40E-01	2.86E+00	pCi/L	U
2140	581373003	5/31/2022	Ruthenium-103	3.90E-01	1.06E+00	3.73E+00	pCi/L	U
2140	584135003	6/27/2022	Ruthenium-103	-5.54E-01	1.25E+00	3.95E+00	pCi/L	U
2140	587148001	7/26/2022	Ruthenium-103	6.84E-02	1.31E+00	4.38E+00	pCi/L	U
2140	590525004	8/23/2022	Ruthenium-103	3.67E-01	1.01E+00	3.11E+00	pCi/L	U
2140	593606003	9/20/2022	Ruthenium-103	-3.70E-01	1.15E+00	3.69E+00	pCi/L	U
2140	597079003	10/18/2022	Ruthenium-103	-2.29E+00	1.29E+00	3.63E+00	pCi/L	U
2140	600678003	11/15/2022	Ruthenium-103	-1.37E+00	1.03E+00	3.17E+00	pCi/L	U
2140	603753001	12/13/2022	Ruthenium-103	3.54E-01	7.22E-01	2.37E+00	pCi/L	U
2140	566830004	1/10/2022	Ruthenium-106	6.31E-02	1.15E+01	3.67E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	569536001	2/7/2022	Ruthenium-106	2.19E+01	1.02E+01	1.69E+01	pCi/L	UI
2140	572311001	3/7/2022	Ruthenium-106	1.46E+01	8.64E+00	1.51E+01	pCi/L	U
2140	575132004	4/4/2022	Ruthenium-106	3.11E+00	6.07E+00	2.05E+01	pCi/L	U
2140	578411003	5/3/2022	Ruthenium-106	3.73E+00	6.24E+00	2.11E+01	pCi/L	U
2140	581373003	5/31/2022	Ruthenium-106	9.04E+00	9.16E+00	3.32E+01	pCi/L	U
2140	584135003	6/27/2022	Ruthenium-106	-3.85E+00	1.02E+01	3.16E+01	pCi/L	U
2140	587148001	7/26/2022	Ruthenium-106	-1.20E+01	1.62E+01	3.97E+01	pCi/L	U
2140	590525004	8/23/2022	Ruthenium-106	3.59E+00	1.16E+01	3.84E+01	pCi/L	U
2140	593606003	9/20/2022	Ruthenium-106	-8.30E+00	8.26E+00	2.36E+01	pCi/L	U
2140	597079003	10/18/2022	Ruthenium-106	9.94E+00	8.57E+00	3.04E+01	pCi/L	U
2140	600678003	11/15/2022	Ruthenium-106	5.25E-01	7.94E+00	2.62E+01	pCi/L	U
2140	603753001	12/13/2022	Ruthenium-106	2.44E-01	5.69E+00	1.82E+01	pCi/L	U
2140	566830004	1/10/2022	Selenium-75	-1.47E+00	1.30E+00	4.17E+00	pCi/L	U
2140	569536001	2/7/2022	Selenium-75	-4.47E-01	6.40E-01	2.14E+00	pCi/L	U
2140	572311001	3/7/2022	Selenium-75	-1.04E-01	8.02E-01	2.67E+00	pCi/L	U
2140	575132004	4/4/2022	Selenium-75	-6.07E-01	1.06E+00	3.21E+00	pCi/L	U
2140	578411003	5/3/2022	Selenium-75	1.52E+00	1.02E+00	3.36E+00	pCi/L	U
2140	581373003	5/31/2022	Selenium-75	-5.57E-01	1.32E+00	4.13E+00	pCi/L	U
2140	584135003	6/27/2022	Selenium-75	7.41E-01	1.39E+00	4.88E+00	pCi/L	U
2140	587148001	7/26/2022	Selenium-75	-3.22E+00	1.91E+00	5.25E+00	pCi/L	U
2140	590525004	8/23/2022	Selenium-75	-1.21E-02	1.49E+00	5.04E+00	pCi/L	U
2140	593606003	9/20/2022	Selenium-75	-9.38E-02	1.45E+00	4.97E+00	pCi/L	U
2140	597079003	10/18/2022	Selenium-75	-1.83E-01	1.40E+00	4.61E+00	pCi/L	U
2140	600678003	11/15/2022	Selenium-75	1.91E+00	1.46E+00	4.78E+00	pCi/L	U
2140	603753001	12/13/2022	Selenium-75	-7.26E-01	8.79E-01	2.89E+00	pCi/L	U
2140	566830004	1/10/2022	Silver-108m	1.19E+00	9.71E-01	3.36E+00	pCi/L	U
2140	569536001	2/7/2022	Silver-108m	-2.05E-01	4.68E-01	1.53E+00	pCi/L	U
2140	572311001	3/7/2022	Silver-108m	-1.26E-02	4.81E-01	1.58E+00	pCi/L	U
2140	575132004	4/4/2022	Silver-108m	-6.21E-02	5.51E-01	1.83E+00	pCi/L	U
2140	578411003	5/3/2022	Silver-108m	9.68E-02	8.07E-01	2.22E+00	pCi/L	U
2140	581373003	5/31/2022	Silver-108m	1.70E+00	9.55E-01	3.39E+00	pCi/L	U
2140	584135003	6/27/2022	Silver-108m	1.68E-01	1.09E+00	3.64E+00	pCi/L	U
2140	587148001	7/26/2022	Silver-108m	9.61E-01	1.03E+00	3.69E+00	pCi/L	U
2140	590525004	8/23/2022	Silver-108m	5.78E-01	8.67E-01	3.02E+00	pCi/L	U
2140	593606003	9/20/2022	Silver-108m	1.25E+00	9.06E-01	3.33E+00	pCi/L	U
2140	597079003	10/18/2022	Silver-108m	-1.46E-02	7.13E-01	2.31E+00	pCi/L	U
2140	600678003	11/15/2022	Silver-108m	-2.28E-01	7.42E-01	2.45E+00	pCi/L	U
2140	603753001	12/13/2022	Silver-108m	8.17E-01	5.97E-01	2.03E+00	pCi/L	U
2140	566830004	1/10/2022	Silver-110m	7.50E-02	1.52E+00	4.98E+00	pCi/L	U
2140	569536001	2/7/2022	Silver-110m	-4.13E-01	8.35E-01	2.76E+00	pCi/L	U
2140	572311001	3/7/2022	Silver-110m	-4.29E-01	7.13E-01	2.20E+00	pCi/L	U
2140	575132004	4/4/2022	Silver-110m	1.51E+00	9.81E-01	3.49E+00	pCi/L	U
2140	578411003	5/3/2022	Silver-110m	1.01E+00	9.98E-01	3.38E+00	pCi/L	U
2140	581373003	5/31/2022	Silver-110m	-5.88E-01	1.42E+00	4.46E+00	pCi/L	U
2140	584135003	6/27/2022	Silver-110m	4.30E-02	1.51E+00	5.09E+00	pCi/L	U
2140	587148001	7/26/2022	Silver-110m	-7.54E-01	1.96E+00	5.23E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	590525004	8/23/2022	Silver-110m	-5.64E-01	1.62E+00	5.32E+00	pCi/L	U
2140	593606003	9/20/2022	Silver-110m	1.01E-01	1.26E+00	4.32E+00	pCi/L	U
2140	597079003	10/18/2022	Silver-110m	-1.00E+00	1.23E+00	3.77E+00	pCi/L	U
2140	600678003	11/15/2022	Silver-110m	2.81E+00	1.83E+00	4.83E+00	pCi/L	U
2140	603753001	12/13/2022	Silver-110m	8.64E-01	8.07E-01	2.83E+00	pCi/L	U
2140	566830004	1/10/2022	Tellurium-132	-1.02E+00	9.77E+00	2.93E+01	pCi/L	U
2140	569536001	2/7/2022	Tellurium-132	-9.17E+00	1.04E+01	3.13E+01	pCi/L	U
2140	572311001	3/7/2022	Tellurium-132	-7.39E+01	4.53E+01	1.47E+02	pCi/L	U
2140	575132004	4/4/2022	Tellurium-132	-2.67E+01	1.97E+01	5.79E+01	pCi/L	U
2140	578411003	5/3/2022	Tellurium-132	-1.15E-01	1.57E+01	4.96E+01	pCi/L	U
2140	581373003	5/31/2022	Tellurium-132	-8.46E+00	6.05E+00	1.81E+01	pCi/L	U
2140	584135003	6/27/2022	Tellurium-132	-5.34E+00	6.23E+00	2.06E+01	pCi/L	U
2140	587148001	7/26/2022	Tellurium-132	-6.99E+00	8.60E+00	2.57E+01	pCi/L	U
2140	590525004	8/23/2022	Tellurium-132	-4.76E+00	1.81E+00	5.33E+00	pCi/L	U
2140	593606003	9/20/2022	Tellurium-132	3.78E+00	3.44E+00	1.15E+01	pCi/L	U
2140	597079003	10/18/2022	Tellurium-132	5.86E+00	4.90E+00	1.73E+01	pCi/L	U
2140	600678003	11/15/2022	Tellurium-132	1.78E+01	1.86E+01	6.08E+01	pCi/L	U
2140	603753001	12/13/2022	Tellurium-132	-2.51E+00	3.73E+00	1.24E+01	pCi/L	U
2140	566830004	1/10/2022	Thallium-208	2.05E+00	2.26E+00	3.54E+00	pCi/L	U
2140	569536001	2/7/2022	Thallium-208	-2.72E+00	1.04E+00	2.26E+00	pCi/L	U
2140	572311001	3/7/2022	Thallium-208	-9.48E-01	9.77E-01	2.27E+00	pCi/L	U
2140	575132004	4/4/2022	Thallium-208	6.11E-01	1.39E+00	1.98E+00	pCi/L	U
2140	578411003	5/3/2022	Thallium-208	-1.20E+00	1.00E+00	2.55E+00	pCi/L	U
2140	581373003	5/31/2022	Thallium-208	1.13E+00	1.64E+00	5.66E+00	pCi/L	U
2140	584135003	6/27/2022	Thallium-208	-1.84E+00	1.35E+00	3.87E+00	pCi/L	U
2140	587148001	7/26/2022	Thallium-208	3.77E+00	2.06E+00	3.80E+00	pCi/L	U
2140	590525004	8/23/2022	Thallium-208	5.81E+00	2.12E+00	3.84E+00	pCi/L	U
2140	593606003	9/20/2022	Thallium-208	-1.79E+00	1.54E+00	4.97E+00	pCi/L	U
2140	597079003	10/18/2022	Thallium-208	4.88E+00	1.73E+00	3.04E+00	pCi/L	UI
2140	600678003	11/15/2022	Thallium-208	-3.70E-01	1.42E+00	3.96E+00	pCi/L	U
2140	603753001	12/13/2022	Thallium-208	-1.90E+00	1.14E+00	2.55E+00	pCi/L	U
2140	566830004	1/10/2022	Thorium-228	-1.96E+00	2.50E+00	7.60E+00	pCi/L	U
2140	569536001	2/7/2022	Thorium-228	5.12E-01	1.81E+00	3.65E+00	pCi/L	U
2140	572311001	3/7/2022	Thorium-228	-2.00E+00	1.70E+00	4.09E+00	pCi/L	U
2140	575132004	4/4/2022	Thorium-228	1.59E+00	2.67E+00	4.94E+00	pCi/L	U
2140	578411003	5/3/2022	Thorium-228	-2.65E-02	1.72E+00	4.79E+00	pCi/L	U
2140	581373003	5/31/2022	Thorium-228	3.93E+00	3.70E+00	9.13E+00	pCi/L	U
2140	584135003	6/27/2022	Thorium-228	1.57E+00	3.69E+00	8.11E+00	pCi/L	U
2140	587148001	7/26/2022	Thorium-228	4.36E+00	5.18E+00	7.99E+00	pCi/L	U
2140	590525004	8/23/2022	Thorium-228	3.24E+00	3.76E+00	9.54E+00	pCi/L	U
2140	593606003	9/20/2022	Thorium-228	3.23E+00	4.15E+00	1.16E+01	pCi/L	U
2140	597079003	10/18/2022	Thorium-228	4.00E+00	3.28E+00	7.75E+00	pCi/L	U
2140	600678003	11/15/2022	Thorium-228	8.54E-01	3.03E+00	7.39E+00	pCi/L	U
2140	603753001	12/13/2022	Thorium-228	-1.53E+00	1.74E+00	4.55E+00	pCi/L	U
2140	566830004	1/10/2022	Thorium-230	1.35E+02	2.45E+02	5.66E+02	pCi/L	U
2140	569536001	2/7/2022	Thorium-230	3.88E+02	1.77E+02	2.85E+02	pCi/L	UI

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2140	572311001	3/7/2022	Thorium-230	8.13E+02	3.21E+02	8.76E+02	pCi/L	U
2140	575132004	4/4/2022	Thorium-230	1.72E+03	4.86E+02	8.62E+02	pCi/L	UI
2140	578411003	5/3/2022	Thorium-230	-8.08E+02	3.16E+02	8.01E+02	pCi/L	U
2140	581373003	5/31/2022	Thorium-230	-4.85E+01	2.47E+02	8.43E+02	pCi/L	U
2140	584135003	6/27/2022	Thorium-230	1.04E+02	3.89E+02	1.18E+03	pCi/L	U
2140	587148001	7/26/2022	Thorium-230	4.88E+02	8.69E+02	2.31E+03	pCi/L	U
2140	590525004	8/23/2022	Thorium-230	-1.09E+03	6.92E+02	2.00E+03	pCi/L	U
2140	593606003	9/20/2022	Thorium-230	-1.66E+03	4.90E+02	1.35E+03	pCi/L	U
2140	597079003	10/18/2022	Thorium-230	5.30E+02	6.23E+02	1.08E+03	pCi/L	U
2140	600678003	11/15/2022	Thorium-230	4.69E+02	4.82E+02	1.65E+03	pCi/L	U
2140	603753001	12/13/2022	Thorium-230	5.10E+02	5.80E+02	9.93E+02	pCi/L	U
2140	566830004	1/10/2022	Thorium-232	4.20E+02	6.35E+02	9.80E+02	pCi/L	U
2140	569536001	2/7/2022	Thorium-232	5.18E+02	3.27E+02	4.61E+02	pCi/L	UI
2140	572311001	3/7/2022	Thorium-232	-4.31E+02	9.23E+02	1.94E+03	pCi/L	U
2140	575132004	4/4/2022	Thorium-232	1.54E+03	9.37E+02	1.55E+03	pCi/L	U
2140	578411003	5/3/2022	Thorium-232	1.73E+03	8.41E+02	1.30E+03	pCi/L	UI
2140	581373003	5/31/2022	Thorium-232	1.42E+02	5.75E+02	1.44E+03	pCi/L	U
2140	584135003	6/27/2022	Thorium-232	4.63E+02	1.07E+03	2.10E+03	pCi/L	U
2140	587148001	7/26/2022	Thorium-232	-1.53E+03	1.56E+03	4.45E+03	pCi/L	U
2140	590525004	8/23/2022	Thorium-232	1.48E+03	2.19E+03	3.40E+03	pCi/L	U
2140	593606003	9/20/2022	Thorium-232	-1.44E+03	7.89E+02	2.48E+03	pCi/L	U
2140	597079003	10/18/2022	Thorium-232	-2.72E+02	6.88E+02	2.36E+03	pCi/L	U
2140	600678003	11/15/2022	Thorium-232	2.14E+02	1.22E+03	3.32E+03	pCi/L	U
2140	603753001	12/13/2022	Thorium-232	-1.35E+03	7.81E+02	2.39E+03	pCi/L	U
2140	566830004	1/10/2022	Thorium-234	2.95E+01	4.46E+01	6.91E+01	pCi/L	U
2140	569536001	2/7/2022	Thorium-234	3.64E+01	2.30E+01	3.25E+01	pCi/L	UI
2140	572311001	3/7/2022	Thorium-234	-5.94E+01	6.69E+01	1.39E+02	pCi/L	U
2140	575132004	4/4/2022	Thorium-234	1.08E+02	6.59E+01	1.64E+02	pCi/L	U
2140	578411003	5/3/2022	Thorium-234	1.22E+02	5.91E+01	9.37E+01	pCi/L	UI
2140	581373003	5/31/2022	Thorium-234	9.94E+00	4.04E+01	9.68E+01	pCi/L	U
2140	584135003	6/27/2022	Thorium-234	3.25E+01	7.53E+01	2.05E+02	pCi/L	U
2140	587148001	7/26/2022	Thorium-234	-1.10E+02	1.16E+02	3.33E+02	pCi/L	U
2140	590525004	8/23/2022	Thorium-234	1.04E+02	1.54E+02	3.37E+02	pCi/L	U
2140	593606003	9/20/2022	Thorium-234	-8.92E+01	5.34E+01	1.69E+02	pCi/L	U
2140	597079003	10/18/2022	Thorium-234	-3.05E+01	4.88E+01	1.66E+02	pCi/L	U
2140	600678003	11/15/2022	Thorium-234	-2.11E+01	8.98E+01	2.43E+02	pCi/L	U
2140	603753001	12/13/2022	Thorium-234	-5.45E+01	5.70E+01	1.77E+02	pCi/L	U
2140	578156001	3/7/2022	Tritium	3.42E+02	2.00E+02	6.01E+02	pCi/L	U
2140	592759003	6/27/2022	Tritium	1.13E+02	1.45E+02	4.54E+02	pCi/L	U
2140	600459003	9/20/2022	Tritium	-9.45E+01	2.09E+02	6.98E+02	pCi/L	U
2140	609540001	12/13/2022	Tritium	5.65E+01	2.25E+02	7.35E+02	pCi/L	U
2140	566830004	1/10/2022	Uranium-234	5.14E+02	6.49E+02	1.97E+03	pCi/L	U
2140	569536001	2/7/2022	Uranium-234	9.38E+02	6.73E+02	1.02E+03	pCi/L	U
2140	572311001	3/7/2022	Uranium-234	3.49E+03	2.31E+03	7.43E+03	pCi/L	U
2140	575132004	4/4/2022	Uranium-234	4.51E+03	2.03E+03	7.35E+03	pCi/L	U
2140	578411003	5/3/2022	Uranium-234	2.67E+03	1.66E+03	5.80E+03	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2140	581373003	5/31/2022	Uranium-234	3.49E+03	1.37E+03	3.29E+03	pCi/L	UI
2140	584135003	6/27/2022	Uranium-234	-5.08E+02	2.47E+03	8.20E+03	pCi/L	U
2140	587148001	7/26/2022	Uranium-234	1.54E+04	1.11E+04	2.25E+04	pCi/L	U
2140	590525004	8/23/2022	Uranium-234	5.27E+03	4.60E+03	1.50E+04	pCi/L	U
2140	593606003	9/20/2022	Uranium-234	2.74E+03	3.10E+03	1.04E+04	pCi/L	U
2140	597079003	10/18/2022	Uranium-234	2.65E+03	1.76E+03	6.01E+03	pCi/L	U
2140	600678003	11/15/2022	Uranium-234	3.06E+04	8.11E+03	1.54E+04	pCi/L	UI
2140	603753001	12/13/2022	Uranium-234	7.91E+02	2.37E+03	7.75E+03	pCi/L	U
2140	566830004	1/10/2022	Zinc-65	-6.13E+00	2.25E+00	5.45E+00	pCi/L	U
2140	569536001	2/7/2022	Zinc-65	-4.64E-01	1.22E+00	3.97E+00	pCi/L	U
2140	572311001	3/7/2022	Zinc-65	-1.47E+00	1.16E+00	3.71E+00	pCi/L	U
2140	575132004	4/4/2022	Zinc-65	2.07E+00	1.55E+00	5.41E+00	pCi/L	U
2140	578411003	5/3/2022	Zinc-65	2.33E+00	1.24E+00	4.66E+00	pCi/L	U
2140	581373003	5/31/2022	Zinc-65	2.03E+00	2.03E+00	6.89E+00	pCi/L	U
2140	584135003	6/27/2022	Zinc-65	-2.59E+00	2.41E+00	6.99E+00	pCi/L	U
2140	587148001	7/26/2022	Zinc-65	1.06E+00	2.35E+00	8.36E+00	pCi/L	U
2140	590525004	8/23/2022	Zinc-65	-1.39E+00	2.11E+00	6.46E+00	pCi/L	U
2140	593606003	9/20/2022	Zinc-65	6.30E-01	2.48E+00	8.53E+00	pCi/L	U
2140	597079003	10/18/2022	Zinc-65	2.65E+00	2.21E+00	8.17E+00	pCi/L	U
2140	600678003	11/15/2022	Zinc-65	3.12E+00	2.14E+00	4.76E+00	pCi/L	U
2140	603753001	12/13/2022	Zinc-65	-9.37E-01	1.43E+00	4.54E+00	pCi/L	U
2140	566830004	1/10/2022	Zirconium-95	-1.13E+00	1.99E+00	6.52E+00	pCi/L	U
2140	569536001	2/7/2022	Zirconium-95	-1.38E+00	1.28E+00	3.85E+00	pCi/L	U
2140	572311001	3/7/2022	Zirconium-95	-1.85E+00	1.11E+00	3.27E+00	pCi/L	U
2140	575132004	4/4/2022	Zirconium-95	2.76E+00	1.48E+00	5.34E+00	pCi/L	U
2140	578411003	5/3/2022	Zirconium-95	-6.97E-02	1.25E+00	4.04E+00	pCi/L	U
2140	581373003	5/31/2022	Zirconium-95	-2.42E+00	1.78E+00	5.07E+00	pCi/L	U
2140	584135003	6/27/2022	Zirconium-95	2.11E+00	1.94E+00	7.16E+00	pCi/L	U
2140	587148001	7/26/2022	Zirconium-95	-1.20E+00	2.33E+00	7.13E+00	pCi/L	U
2140	590525004	8/23/2022	Zirconium-95	-5.40E-01	1.75E+00	5.39E+00	pCi/L	U
2140	593606003	9/20/2022	Zirconium-95	-1.04E+00	2.46E+00	6.59E+00	pCi/L	U
2140	597079003	10/18/2022	Zirconium-95	-9.77E-01	2.29E+00	6.50E+00	pCi/L	U
2140	600678003	11/15/2022	Zirconium-95	-2.60E+00	1.68E+00	4.75E+00	pCi/L	U
2140	603753001	12/13/2022	Zirconium-95	7.46E-01	1.18E+00	4.09E+00	pCi/L	U
2141	566830002	1/12/2022	Actinium-228	5.89E+00	4.24E+00	1.42E+01	pCi/L	U
2141	569536002	2/8/2022	Actinium-228	2.38E+00	4.55E+00	5.00E+00	pCi/L	U
2141	572311003	3/7/2022	Actinium-228	2.55E+00	5.20E+00	1.61E+01	pCi/L	U
2141	575132003	4/4/2022	Actinium-228	1.31E+01	5.11E+00	1.30E+01	pCi/L	UI
2141	578411002	5/3/2022	Actinium-228	-8.94E+00	3.82E+00	8.21E+00	pCi/L	U
2141	581373004	5/31/2022	Actinium-228	-1.22E+01	4.44E+00	1.19E+01	pCi/L	U
2141	584135002	6/27/2022	Actinium-228	1.64E+01	8.52E+00	1.29E+01	pCi/L	UI
2141	587148003	7/25/2022	Actinium-228	3.04E-01	4.88E+00	1.71E+01	pCi/L	U
2141	590525002	8/23/2022	Actinium-228	1.75E+01	6.43E+00	1.67E+01	pCi/L	UI
2141	593606001	9/19/2022	Actinium-228	1.38E+00	6.74E+00	1.97E+01	pCi/L	U
2141	597079001	10/17/2022	Actinium-228	6.10E+00	6.81E+00	1.62E+01	pCi/L	U
2141	600678001	11/15/2022	Actinium-228	-6.13E+00	5.26E+00	1.31E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2141	603753003	12/13/2022	Actinium-228	3.11E+00	3.58E+00	1.25E+01	pCi/L	U
2141	566830002	1/12/2022	Americium-241	6.27E+00	5.72E+00	1.86E+01	pCi/L	U
2141	569536002	2/8/2022	Americium-241	1.18E-01	1.32E+00	4.56E+00	pCi/L	U
2141	572311003	3/7/2022	Americium-241	2.05E+00	1.69E+00	5.46E+00	pCi/L	U
2141	575132003	4/4/2022	Americium-241	9.33E-01	8.23E+00	2.78E+01	pCi/L	U
2141	578411002	5/3/2022	Americium-241	1.98E+00	2.53E+00	7.73E+00	pCi/L	U
2141	581373004	5/31/2022	Americium-241	5.76E+00	9.54E+00	3.32E+01	pCi/L	U
2141	584135002	6/27/2022	Americium-241	-9.53E+00	8.15E+00	2.35E+01	pCi/L	U
2141	587148003	7/25/2022	Americium-241	5.62E+00	5.86E+00	1.91E+01	pCi/L	U
2141	590525002	8/23/2022	Americium-241	-1.36E+01	4.61E+00	1.29E+01	pCi/L	U
2141	593606001	9/19/2022	Americium-241	1.11E+01	1.55E+01	4.69E+01	pCi/L	U
2141	597079001	10/17/2022	Americium-241	5.50E+00	6.76E+00	2.27E+01	pCi/L	U
2141	600678001	11/15/2022	Americium-241	4.43E+00	4.95E+00	1.75E+01	pCi/L	U
2141	603753003	12/13/2022	Americium-241	2.28E+00	1.04E+00	3.82E+00	pCi/L	U
2141	566830002	1/12/2022	Antimony-124	-1.46E+00	2.10E+00	6.50E+00	pCi/L	U
2141	569536002	2/8/2022	Antimony-124	-1.44E+00	1.03E+00	3.07E+00	pCi/L	U
2141	572311003	3/7/2022	Antimony-124	8.06E+00	2.65E+00	1.14E+01	pCi/L	U
2141	575132003	4/4/2022	Antimony-124	3.88E-01	2.70E+00	8.95E+00	pCi/L	U
2141	578411002	5/3/2022	Antimony-124	-2.02E+00	1.63E+00	4.97E+00	pCi/L	U
2141	581373004	5/31/2022	Antimony-124	4.56E+00	3.19E+00	1.24E+01	pCi/L	U
2141	584135002	6/27/2022	Antimony-124	-3.29E+00	3.25E+00	9.27E+00	pCi/L	U
2141	587148003	7/25/2022	Antimony-124	-3.17E+00	3.17E+00	9.33E+00	pCi/L	U
2141	590525002	8/23/2022	Antimony-124	2.02E+00	2.07E+00	7.82E+00	pCi/L	U
2141	593606001	9/19/2022	Antimony-124	-2.65E+00	3.65E+00	1.09E+01	pCi/L	U
2141	597079001	10/17/2022	Antimony-124	7.40E-01	2.50E+00	8.67E+00	pCi/L	U
2141	600678001	11/15/2022	Antimony-124	-1.40E+00	2.41E+00	7.57E+00	pCi/L	U
2141	603753003	12/13/2022	Antimony-124	-8.98E-01	1.64E+00	5.17E+00	pCi/L	U
2141	566830002	1/12/2022	Antimony-125	3.33E+00	2.22E+00	7.95E+00	pCi/L	U
2141	569536002	2/8/2022	Antimony-125	-3.56E-02	1.28E+00	4.00E+00	pCi/L	U
2141	572311003	3/7/2022	Antimony-125	1.39E+00	2.42E+00	8.29E+00	pCi/L	U
2141	575132003	4/4/2022	Antimony-125	2.65E-01	2.29E+00	7.78E+00	pCi/L	U
2141	578411002	5/3/2022	Antimony-125	-5.05E-01	1.46E+00	4.68E+00	pCi/L	U
2141	581373004	5/31/2022	Antimony-125	-3.41E+00	2.97E+00	9.06E+00	pCi/L	U
2141	584135002	6/27/2022	Antimony-125	7.05E+00	2.69E+00	1.08E+01	pCi/L	U
2141	587148003	7/25/2022	Antimony-125	1.64E+00	2.95E+00	1.01E+01	pCi/L	U
2141	590525002	8/23/2022	Antimony-125	3.26E+00	2.48E+00	9.08E+00	pCi/L	U
2141	593606001	9/19/2022	Antimony-125	1.21E+00	4.12E+00	1.34E+01	pCi/L	U
2141	597079001	10/17/2022	Antimony-125	2.50E+00	2.59E+00	9.21E+00	pCi/L	U
2141	600678001	11/15/2022	Antimony-125	-3.21E+00	2.19E+00	6.68E+00	pCi/L	U
2141	603753003	12/13/2022	Antimony-125	-2.21E+00	1.91E+00	6.14E+00	pCi/L	U
2141	566830002	1/12/2022	Barium-140	6.56E+00	5.75E+00	2.01E+01	pCi/L	U
2141	569536002	2/8/2022	Barium-140	-5.73E+00	5.59E+00	1.06E+01	pCi/L	U
2141	572311003	3/7/2022	Barium-140	-7.76E+00	8.73E+00	2.68E+01	pCi/L	U
2141	575132003	4/4/2022	Barium-140	-3.16E+00	7.32E+00	2.37E+01	pCi/L	U
2141	578411002	5/3/2022	Barium-140	2.82E+00	4.55E+00	1.51E+01	pCi/L	U
2141	581373004	5/31/2022	Barium-140	3.10E+00	6.05E+00	2.09E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2141	584135002	6/27/2022	Barium-140	1.83E-01	5.64E+00	1.85E+01	pCi/L	U
2141	587148003	7/25/2022	Barium-140	-9.57E-01	6.16E+00	1.97E+01	pCi/L	U
2141	590525002	8/23/2022	Barium-140	-1.59E+00	4.00E+00	1.29E+01	pCi/L	U
2141	593606001	9/19/2022	Barium-140	5.51E+00	5.68E+00	1.89E+01	pCi/L	U
2141	597079001	10/17/2022	Barium-140	-1.14E+00	6.30E+00	2.04E+01	pCi/L	U
2141	600678001	11/15/2022	Barium-140	1.96E+00	5.82E+00	1.95E+01	pCi/L	U
2141	603753003	12/13/2022	Barium-140	1.14E+00	4.06E+00	1.36E+01	pCi/L	U
2141	566830002	1/12/2022	Beryllium-7	-1.46E+00	7.96E+00	2.59E+01	pCi/L	U
2141	569536002	2/8/2022	Beryllium-7	5.27E+00	3.96E+00	1.41E+01	pCi/L	U
2141	572311003	3/7/2022	Beryllium-7	1.04E+01	8.39E+00	2.97E+01	pCi/L	U
2141	575132003	4/4/2022	Beryllium-7	9.25E+00	9.01E+00	3.18E+01	pCi/L	U
2141	578411002	5/3/2022	Beryllium-7	4.18E+00	5.67E+00	1.90E+01	pCi/L	U
2141	581373004	5/31/2022	Beryllium-7	-7.72E+00	1.03E+01	3.23E+01	pCi/L	U
2141	584135002	6/27/2022	Beryllium-7	-1.54E+01	1.12E+01	3.29E+01	pCi/L	U
2141	587148003	7/25/2022	Beryllium-7	-8.45E-01	1.01E+01	3.28E+01	pCi/L	U
2141	590525002	8/23/2022	Beryllium-7	4.69E+00	7.80E+00	2.72E+01	pCi/L	U
2141	593606001	9/19/2022	Beryllium-7	3.65E+00	1.34E+01	4.34E+01	pCi/L	U
2141	597079001	10/17/2022	Beryllium-7	-1.75E+01	1.11E+01	2.77E+01	pCi/L	U
2141	600678001	11/15/2022	Beryllium-7	5.49E+00	7.74E+00	2.66E+01	pCi/L	U
2141	603753003	12/13/2022	Beryllium-7	-5.69E+00	6.34E+00	2.03E+01	pCi/L	U
2141	566830002	1/12/2022	BETA	1.33E-01	9.33E-01	3.02E+00	pCi/L	U
2141	569536002	2/8/2022	BETA	7.65E-01	9.27E-01	2.88E+00	pCi/L	U
2141	572311003	3/7/2022	BETA	-4.12E-01	8.30E-01	2.82E+00	pCi/L	U
2141	575132003	4/4/2022	BETA	-5.95E-01	9.70E-01	3.31E+00	pCi/L	U
2141	578411002	5/3/2022	BETA	1.12E+00	1.02E+00	3.08E+00	pCi/L	U
2141	581373004	5/31/2022	BETA	-1.63E-01	8.39E-01	2.78E+00	pCi/L	U
2141	584135002	6/27/2022	BETA	-6.93E-01	9.87E-01	3.38E+00	pCi/L	U
2141	587148003	7/25/2022	BETA	8.28E-01	8.81E-01	2.70E+00	pCi/L	U
2141	590525002	8/23/2022	BETA	7.55E-01	1.04E+00	3.31E+00	pCi/L	U
2141	593606001	9/19/2022	BETA	2.21E+00	2.32E+00	3.60E+00	pCi/L	U
2141	597079001	10/17/2022	BETA	1.65E+00	2.18E+00	3.34E+00	pCi/L	U
2141	600678001	11/15/2022	BETA	1.31E+00	9.00E-01	2.64E+00	pCi/L	U
2141	603753003	12/13/2022	BETA	1.76E+00	8.47E-01	2.32E+00	pCi/L	U
2141	566830002	1/12/2022	Bismuth-214	4.57E+00	2.66E+00	8.15E+00	pCi/L	U
2141	569536002	2/8/2022	Bismuth-214	-2.46E+00	2.01E+00	4.24E+00	pCi/L	U
2141	572311003	3/7/2022	Bismuth-214	5.02E+00	2.16E+00	7.89E+00	pCi/L	U
2141	575132003	4/4/2022	Bismuth-214	6.05E+00	2.61E+00	7.36E+00	pCi/L	U
2141	578411002	5/3/2022	Bismuth-214	9.85E+00	2.45E+00	3.45E+00	pCi/L	U
2141	581373004	5/31/2022	Bismuth-214	6.28E+00	6.93E+00	1.36E+01	pCi/L	U
2141	584135002	6/27/2022	Bismuth-214	6.41E-01	4.07E+00	9.61E+00	pCi/L	U
2141	587148003	7/25/2022	Bismuth-214	2.96E+00	4.16E+00	6.47E+00	pCi/L	U
2141	590525002	8/23/2022	Bismuth-214	3.42E+01	5.72E+00	5.79E+00	pCi/L	U
2141	593606001	9/19/2022	Bismuth-214	7.07E+00	4.65E+00	1.23E+01	pCi/L	U
2141	597079001	10/17/2022	Bismuth-214	1.08E+01	4.28E+00	7.82E+00	pCi/L	U
2141	600678001	11/15/2022	Bismuth-214	3.79E-02	2.58E+00	7.22E+00	pCi/L	U
2141	603753003	12/13/2022	Bismuth-214	-8.72E-01	2.44E+00	6.13E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2141	566830002	1/12/2022	Cerium-141	-3.25E+00	1.93E+00	5.03E+00	pCi/L	U
2141	569536002	2/8/2022	Cerium-141	-6.52E-01	9.49E-01	3.12E+00	pCi/L	U
2141	572311003	3/7/2022	Cerium-141	-2.88E+00	1.77E+00	5.29E+00	pCi/L	U
2141	575132003	4/4/2022	Cerium-141	-4.93E+00	2.69E+00	6.42E+00	pCi/L	U
2141	578411002	5/3/2022	Cerium-141	2.69E+00	1.90E+00	3.59E+00	pCi/L	U
2141	581373004	5/31/2022	Cerium-141	-2.24E+00	2.10E+00	6.42E+00	pCi/L	U
2141	584135002	6/27/2022	Cerium-141	-1.70E+00	2.21E+00	6.81E+00	pCi/L	U
2141	587148003	7/25/2022	Cerium-141	-2.92E+00	2.14E+00	6.38E+00	pCi/L	U
2141	590525002	8/23/2022	Cerium-141	-1.32E+00	1.69E+00	5.23E+00	pCi/L	U
2141	593606001	9/19/2022	Cerium-141	-1.04E+00	2.22E+00	7.39E+00	pCi/L	U
2141	597079001	10/17/2022	Cerium-141	-1.58E+00	2.07E+00	6.12E+00	pCi/L	U
2141	600678001	11/15/2022	Cerium-141	-3.86E+00	1.95E+00	5.19E+00	pCi/L	U
2141	603753003	12/13/2022	Cerium-141	5.06E-01	2.05E+00	3.43E+00	pCi/L	U
2141	566830002	1/12/2022	Cerium-144	-4.99E+00	6.67E+00	1.73E+01	pCi/L	U
2141	569536002	2/8/2022	Cerium-144	-1.68E+00	3.14E+00	1.04E+01	pCi/L	U
2141	572311003	3/7/2022	Cerium-144	4.22E+00	4.68E+00	1.56E+01	pCi/L	U
2141	575132003	4/4/2022	Cerium-144	1.98E+00	6.53E+00	2.15E+01	pCi/L	U
2141	578411002	5/3/2022	Cerium-144	-5.18E+00	4.18E+00	1.14E+01	pCi/L	U
2141	581373004	5/31/2022	Cerium-144	8.07E+00	8.54E+00	2.90E+01	pCi/L	U
2141	584135002	6/27/2022	Cerium-144	7.43E+00	7.52E+00	2.55E+01	pCi/L	U
2141	587148003	7/25/2022	Cerium-144	6.86E+00	7.70E+00	2.57E+01	pCi/L	U
2141	590525002	8/23/2022	Cerium-144	1.31E+00	6.18E+00	2.01E+01	pCi/L	U
2141	593606001	9/19/2022	Cerium-144	6.18E+00	1.06E+01	3.08E+01	pCi/L	U
2141	597079001	10/17/2022	Cerium-144	1.12E+01	6.89E+00	2.43E+01	pCi/L	U
2141	600678001	11/15/2022	Cerium-144	1.08E+00	5.14E+00	1.70E+01	pCi/L	U
2141	603753003	12/13/2022	Cerium-144	-4.97E+00	4.74E+00	1.16E+01	pCi/L	U
2141	566830002	1/12/2022	Cesium-134	1.92E+00	9.99E-01	3.77E+00	pCi/L	
2141	569536002	2/8/2022	Cesium-134	2.69E-01	4.98E-01	1.69E+00	pCi/L	
2141	572311003	3/7/2022	Cesium-134	-4.62E+00	1.50E+00	2.70E+00	pCi/L	
2141	575132003	4/4/2022	Cesium-134	8.88E-01	1.21E+00	3.44E+00	pCi/L	
2141	578411002	5/3/2022	Cesium-134	7.35E-02	6.47E-01	2.19E+00	pCi/L	
2141	581373004	5/31/2022	Cesium-134	-9.67E-01	1.42E+00	4.20E+00	pCi/L	
2141	584135002	6/27/2022	Cesium-134	3.89E-01	1.23E+00	4.30E+00	pCi/L	
2141	587148003	7/25/2022	Cesium-134	6.10E-02	1.02E+00	3.47E+00	pCi/L	
2141	590525002	8/23/2022	Cesium-134	8.81E-01	1.03E+00	3.63E+00	pCi/L	
2141	593606001	9/19/2022	Cesium-134	-9.92E-03	1.60E+00	5.29E+00	pCi/L	
2141	597079001	10/17/2022	Cesium-134	1.98E+00	1.14E+00	4.39E+00	pCi/L	
2141	600678001	11/15/2022	Cesium-134	-6.62E-01	7.25E-01	2.26E+00	pCi/L	
2141	603753003	12/13/2022	Cesium-134	-1.27E+00	9.04E-01	2.60E+00	pCi/L	
2141	566830002	1/12/2022	Cesium-137	-4.85E-01	8.92E-01	2.75E+00	pCi/L	
2141	569536002	2/8/2022	Cesium-137	-2.60E-02	4.60E-01	1.54E+00	pCi/L	
2141	572311003	3/7/2022	Cesium-137	1.76E+00	9.58E-01	3.49E+00	pCi/L	
2141	575132003	4/4/2022	Cesium-137	1.88E+00	9.17E-01	3.41E+00	pCi/L	
2141	578411002	5/3/2022	Cesium-137	-2.14E-01	8.35E-01	2.04E+00	pCi/L	
2141	581373004	5/31/2022	Cesium-137	1.24E+00	1.17E+00	4.19E+00	pCi/L	
2141	584135002	6/27/2022	Cesium-137	1.98E+00	1.29E+00	4.74E+00	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2141	587148003	7/25/2022	Cesium-137	4.25E+00	2.18E+00	3.33E+00	pCi/L	
2141	590525002	8/23/2022	Cesium-137	-2.88E-02	1.05E+00	3.42E+00	pCi/L	
2141	593606001	9/19/2022	Cesium-137	4.55E-02	1.35E+00	4.51E+00	pCi/L	
2141	597079001	10/17/2022	Cesium-137	4.97E-02	1.01E+00	3.27E+00	pCi/L	
2141	600678001	11/15/2022	Cesium-137	-4.85E-01	9.35E-01	2.89E+00	pCi/L	
2141	603753003	12/13/2022	Cesium-137	-3.77E-01	8.80E-01	2.78E+00	pCi/L	
2141	566830002	1/12/2022	Chromium-51	-3.93E+00	9.00E+00	2.99E+01	pCi/L	
2141	569536002	2/8/2022	Chromium-51	6.14E+00	4.95E+00	1.64E+01	pCi/L	
2141	572311003	3/7/2022	Chromium-51	-1.60E+01	9.73E+00	3.03E+01	pCi/L	
2141	575132003	4/4/2022	Chromium-51	2.68E+01	1.54E+01	3.39E+01	pCi/L	
2141	578411002	5/3/2022	Chromium-51	-5.40E+00	6.64E+00	2.14E+01	pCi/L	
2141	581373004	5/31/2022	Chromium-51	4.15E-01	1.12E+01	3.83E+01	pCi/L	
2141	584135002	6/27/2022	Chromium-51	1.66E+01	1.10E+01	4.06E+01	pCi/L	
2141	587148003	7/25/2022	Chromium-51	8.74E+00	1.09E+01	3.83E+01	pCi/L	
2141	590525002	8/23/2022	Chromium-51	3.99E+00	9.26E+00	2.94E+01	pCi/L	
2141	593606001	9/19/2022	Chromium-51	3.51E+00	1.09E+01	3.63E+01	pCi/L	
2141	597079001	10/17/2022	Chromium-51	-7.46E+00	8.80E+00	2.84E+01	pCi/L	
2141	600678001	11/15/2022	Chromium-51	2.82E+01	1.24E+01	2.82E+01	pCi/L	
2141	603753003	12/13/2022	Chromium-51	-5.17E+00	6.79E+00	2.04E+01	pCi/L	
2141	566830002	1/12/2022	Cobalt-57	2.48E-01	7.53E-01	2.47E+00	pCi/L	
2141	569536002	2/8/2022	Cobalt-57	7.76E-02	4.14E-01	1.40E+00	pCi/L	
2141	572311003	3/7/2022	Cobalt-57	8.83E-01	6.81E-01	2.15E+00	pCi/L	
2141	575132003	4/4/2022	Cobalt-57	-4.72E-01	8.14E-01	2.61E+00	pCi/L	
2141	578411002	5/3/2022	Cobalt-57	9.77E-01	5.10E-01	1.69E+00	pCi/L	
2141	581373004	5/31/2022	Cobalt-57	1.39E+00	1.14E+00	3.94E+00	pCi/L	
2141	584135002	6/27/2022	Cobalt-57	-1.94E+00	1.05E+00	3.08E+00	pCi/L	
2141	587148003	7/25/2022	Cobalt-57	-1.14E+00	9.52E-01	2.89E+00	pCi/L	
2141	590525002	8/23/2022	Cobalt-57	-9.57E-01	8.06E-01	2.45E+00	pCi/L	
2141	593606001	9/19/2022	Cobalt-57	-1.73E-01	1.11E+00	3.76E+00	pCi/L	
2141	597079001	10/17/2022	Cobalt-57	-2.11E-01	8.32E-01	2.72E+00	pCi/L	
2141	600678001	11/15/2022	Cobalt-57	4.42E-01	6.83E-01	2.30E+00	pCi/L	
2141	603753003	12/13/2022	Cobalt-57	8.05E-02	4.29E-01	1.45E+00	pCi/L	
2141	566830002	1/12/2022	Cobalt-58	1.92E+00	9.19E-01	3.52E+00	pCi/L	
2141	569536002	2/8/2022	Cobalt-58	9.32E-01	4.44E-01	1.61E+00	pCi/L	
2141	572311003	3/7/2022	Cobalt-58	-2.06E-01	9.76E-01	3.27E+00	pCi/L	
2141	575132003	4/4/2022	Cobalt-58	1.55E+00	9.69E-01	3.52E+00	pCi/L	
2141	578411002	5/3/2022	Cobalt-58	2.28E-01	6.69E-01	2.29E+00	pCi/L	
2141	581373004	5/31/2022	Cobalt-58	-3.59E-01	1.11E+00	3.38E+00	pCi/L	
2141	584135002	6/27/2022	Cobalt-58	-2.14E+00	1.13E+00	2.99E+00	pCi/L	
2141	587148003	7/25/2022	Cobalt-58	-1.68E+00	9.89E-01	2.73E+00	pCi/L	
2141	590525002	8/23/2022	Cobalt-58	-2.69E-01	9.92E-01	3.11E+00	pCi/L	
2141	593606001	9/19/2022	Cobalt-58	-9.36E-01	1.16E+00	3.50E+00	pCi/L	
2141	597079001	10/17/2022	Cobalt-58	-2.89E-01	8.99E-01	2.95E+00	pCi/L	
2141	600678001	11/15/2022	Cobalt-58	-4.53E-01	8.43E-01	2.74E+00	pCi/L	
2141	603753003	12/13/2022	Cobalt-58	2.66E-01	7.47E-01	2.59E+00	pCi/L	
2141	566830002	1/12/2022	Cobalt-60	1.50E+00	1.68E+00	3.30E+00	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2141	569536002	2/8/2022	Cobalt-60	-1.54E-01	4.85E-01	1.51E+00	pCi/L	
2141	572311003	3/7/2022	Cobalt-60	1.19E+00	1.10E+00	3.97E+00	pCi/L	
2141	575132003	4/4/2022	Cobalt-60	4.72E-01	8.95E-01	3.14E+00	pCi/L	
2141	578411002	5/3/2022	Cobalt-60	-8.66E-01	5.48E-01	1.51E+00	pCi/L	
2141	581373004	5/31/2022	Cobalt-60	1.96E+00	1.36E+00	5.22E+00	pCi/L	
2141	584135002	6/27/2022	Cobalt-60	-8.78E-02	1.18E+00	3.78E+00	pCi/L	
2141	587148003	7/25/2022	Cobalt-60	-1.30E-01	1.11E+00	3.54E+00	pCi/L	
2141	590525002	8/23/2022	Cobalt-60	-8.72E-02	1.08E+00	3.56E+00	pCi/L	
2141	593606001	9/19/2022	Cobalt-60	-8.68E-01	1.41E+00	4.61E+00	pCi/L	
2141	597079001	10/17/2022	Cobalt-60	1.07E+00	1.19E+00	4.16E+00	pCi/L	
2141	600678001	11/15/2022	Cobalt-60	3.82E-02	9.75E-01	3.17E+00	pCi/L	
2141	603753003	12/13/2022	Cobalt-60	-6.07E-01	9.38E-01	2.89E+00	pCi/L	
2141	566830002	1/12/2022	Iodine-131	-8.32E-01	2.55E+00	8.45E+00	pCi/L	
2141	569536002	2/8/2022	Iodine-131	-2.12E+00	2.32E+00	4.61E+00	pCi/L	
2141	572311003	3/7/2022	Iodine-131	3.61E+00	3.95E+00	1.38E+01	pCi/L	
2141	578411002	5/3/2022	Iodine-131	-3.87E-01	2.18E+00	7.15E+00	pCi/L	
2141	581373004	5/31/2022	Iodine-131	-1.11E+00	2.48E+00	8.16E+00	pCi/L	
2141	584135002	6/27/2022	Iodine-131	-3.15E-01	2.59E+00	8.61E+00	pCi/L	
2141	590525002	8/23/2022	Iodine-131	-1.88E-01	1.36E+00	4.10E+00	pCi/L	
2141	593606001	9/19/2022	Iodine-131	1.56E+00	2.37E+00	7.98E+00	pCi/L	
2141	597079001	10/17/2022	Iodine-131	1.89E+00	2.00E+00	7.15E+00	pCi/L	
2141	600678001	11/15/2022	Iodine-131	1.09E+00	2.45E+00	8.45E+00	pCi/L	
2141	603753003	12/13/2022	Iodine-131	-4.19E-01	1.32E+00	4.46E+00	pCi/L	
2141	566830002	1/12/2022	Iron-59	2.78E-02	2.03E+00	6.73E+00	pCi/L	
2141	569536002	2/8/2022	Iron-59	-8.05E-01	1.08E+00	3.33E+00	pCi/L	
2141	572311003	3/7/2022	Iron-59	-1.61E+00	2.29E+00	7.12E+00	pCi/L	
2141	575132003	4/4/2022	Iron-59	-3.18E-01	1.98E+00	6.62E+00	pCi/L	
2141	578411002	5/3/2022	Iron-59	-3.42E-01	1.28E+00	4.15E+00	pCi/L	
2141	581373004	5/31/2022	Iron-59	-2.57E+00	3.00E+00	7.63E+00	pCi/L	
2141	584135002	6/27/2022	Iron-59	5.07E+00	2.35E+00	9.73E+00	pCi/L	
2141	587148003	7/25/2022	Iron-59	8.43E+00	3.11E+00	1.06E+01	pCi/L	
2141	590525002	8/23/2022	Iron-59	-1.47E+00	1.75E+00	5.36E+00	pCi/L	
2141	593606001	9/19/2022	Iron-59	4.20E-01	3.18E+00	1.04E+01	pCi/L	
2141	597079001	10/17/2022	Iron-59	-2.98E+00	2.37E+00	7.06E+00	pCi/L	
2141	600678001	11/15/2022	Iron-59	2.70E+00	1.79E+00	6.71E+00	pCi/L	
2141	603753003	12/13/2022	Iron-59	-2.66E-01	1.68E+00	5.51E+00	pCi/L	
2141	566830002	1/12/2022	Lanthanum-140	-1.02E+00	2.30E+00	5.91E+00	pCi/L	
2141	569536002	2/8/2022	Lanthanum-140	-1.16E+00	9.82E-01	3.04E+00	pCi/L	
2141	572311003	3/7/2022	Lanthanum-140	-8.03E-01	3.14E+00	9.81E+00	pCi/L	
2141	575132003	4/4/2022	Lanthanum-140	4.84E+00	3.35E+00	1.06E+01	pCi/L	
2141	578411002	5/3/2022	Lanthanum-140	-2.07E+00	1.46E+00	4.37E+00	pCi/L	
2141	581373004	5/31/2022	Lanthanum-140	1.01E+00	2.35E+00	8.09E+00	pCi/L	
2141	584135002	6/27/2022	Lanthanum-140	-1.96E+00	2.40E+00	6.57E+00	pCi/L	
2141	587148003	7/25/2022	Lanthanum-140	1.49E+00	2.00E+00	7.41E+00	pCi/L	
2141	590525002	8/23/2022	Lanthanum-140	3.76E-01	1.00E+00	3.52E+00	pCi/L	
2141	593606001	9/19/2022	Lanthanum-140	3.92E-01	2.19E+00	7.40E+00	pCi/L	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2141	597079001	10/17/2022	Lanthanum-140	-4.95E+00	1.86E+00	3.56E+00	pCi/L	
2141	600678001	11/15/2022	Lanthanum-140	-3.74E-01	2.72E+00	7.82E+00	pCi/L	
2141	603753003	12/13/2022	Lanthanum-140	3.92E-01	1.29E+00	4.46E+00	pCi/L	
2141	566830002	1/12/2022	Lead-210	3.94E+02	2.53E+02	5.28E+02	pCi/L	
2141	569536002	2/8/2022	Lead-210	6.33E-01	3.77E+01	4.98E+01	pCi/L	
2141	572311003	3/7/2022	Lead-210	1.68E+00	3.69E+01	4.78E+01	pCi/L	
2141	575132003	4/4/2022	Lead-210	2.32E+02	4.88E+02	1.51E+03	pCi/L	
2141	578411002	5/3/2022	Lead-210	-1.33E+02	6.12E+01	1.51E+02	pCi/L	
2141	581373004	5/31/2022	Lead-210	1.06E+02	3.42E+02	1.19E+03	pCi/L	
2141	584135002	6/27/2022	Lead-210	7.16E+01	2.51E+02	7.84E+02	pCi/L	
2141	587148003	7/25/2022	Lead-210	1.69E+02	1.60E+02	3.56E+02	pCi/L	
2141	590525002	8/23/2022	Lead-210	7.80E+01	1.02E+02	3.38E+02	pCi/L	
2141	593606001	9/19/2022	Lead-210	-4.26E+02	5.29E+02	1.63E+03	pCi/L	
2141	597079001	10/17/2022	Lead-210	-1.40E+02	2.04E+02	6.24E+02	pCi/L	
2141	600678001	11/15/2022	Lead-210	-6.28E+00	1.81E+02	4.93E+02	pCi/L	
2141	603753003	12/13/2022	Lead-210	-4.40E+01	2.16E+01	5.87E+01	pCi/L	
2141	566830002	1/12/2022	Lead-212	6.73E-01	4.11E+00	6.37E+00	pCi/L	
2141	569536002	2/8/2022	Lead-212	1.77E+00	1.94E+00	4.25E+00	pCi/L	
2141	572311003	3/7/2022	Lead-212	-7.43E-01	1.85E+00	5.86E+00	pCi/L	
2141	575132003	4/4/2022	Lead-212	1.68E+00	2.88E+00	6.64E+00	pCi/L	
2141	578411002	5/3/2022	Lead-212	-2.99E+00	1.42E+00	4.10E+00	pCi/L	
2141	581373004	5/31/2022	Lead-212	-7.72E-01	2.79E+00	8.76E+00	pCi/L	
2141	584135002	6/27/2022	Lead-212	2.78E+00	4.19E+00	8.48E+00	pCi/L	
2141	587148003	7/25/2022	Lead-212	3.15E+00	3.11E+00	9.02E+00	pCi/L	
2141	590525002	8/23/2022	Lead-212	8.02E-01	2.36E+00	7.58E+00	pCi/L	
2141	593606001	9/19/2022	Lead-212	-2.11E+00	3.29E+00	1.03E+01	pCi/L	
2141	597079001	10/17/2022	Lead-212	1.92E+00	2.97E+00	5.89E+00	pCi/L	
2141	600678001	11/15/2022	Lead-212	9.65E-02	3.17E+00	5.60E+00	pCi/L	
2141	603753003	12/13/2022	Lead-212	1.59E+00	1.81E+00	4.75E+00	pCi/L	
2141	566830002	1/12/2022	Lead-214	9.13E+00	3.87E+00	7.89E+00	pCi/L	
2141	569536002	2/8/2022	Lead-214	5.78E-01	2.70E+00	4.05E+00	pCi/L	
2141	572311003	3/7/2022	Lead-214	-5.27E+00	2.60E+00	6.09E+00	pCi/L	
2141	575132003	4/4/2022	Lead-214	-3.62E+00	2.89E+00	7.36E+00	pCi/L	
2141	578411002	5/3/2022	Lead-214	7.64E+00	2.76E+00	4.08E+00	pCi/L	
2141	581373004	5/31/2022	Lead-214	5.73E-01	3.98E+00	1.18E+01	pCi/L	
2141	584135002	6/27/2022	Lead-214	-1.72E+00	3.05E+00	8.54E+00	pCi/L	
2141	587148003	7/25/2022	Lead-214	3.61E+00	3.09E+00	1.04E+01	pCi/L	
2141	590525002	8/23/2022	Lead-214	3.21E+01	4.84E+00	1.42E+01	pCi/L	
2141	593606001	9/19/2022	Lead-214	6.69E+00	3.86E+00	1.27E+01	pCi/L	
2141	597079001	10/17/2022	Lead-214	-2.13E+00	2.71E+00	8.59E+00	pCi/L	
2141	600678001	11/15/2022	Lead-214	3.25E+00	3.21E+00	7.81E+00	pCi/L	
2141	603753003	12/13/2022	Lead-214	-5.68E+00	2.63E+00	5.95E+00	pCi/L	
2141	566830002	1/12/2022	Manganese-54	-1.85E+00	8.68E-01	2.50E+00	pCi/L	
2141	569536002	2/8/2022	Manganese-54	-6.76E-01	4.56E-01	1.41E+00	pCi/L	
2141	572311003	3/7/2022	Manganese-54	-4.28E-01	9.67E-01	3.19E+00	pCi/L	
2141	575132003	4/4/2022	Manganese-54	8.19E-01	9.04E-01	3.12E+00	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2141	578411002	5/3/2022	Manganese-54	-1.34E-01	5.67E-01	1.88E+00	pCi/L	
2141	581373004	5/31/2022	Manganese-54	7.91E-01	1.91E+00	3.86E+00	pCi/L	
2141	584135002	6/27/2022	Manganese-54	-1.35E-02	1.21E+00	4.10E+00	pCi/L	
2141	587148003	7/25/2022	Manganese-54	-5.38E-01	1.11E+00	3.59E+00	pCi/L	
2141	590525002	8/23/2022	Manganese-54	-1.07E+00	1.07E+00	3.11E+00	pCi/L	
2141	593606001	9/19/2022	Manganese-54	-6.98E-01	1.24E+00	3.85E+00	pCi/L	
2141	597079001	10/17/2022	Manganese-54	-1.17E+00	9.04E-01	2.66E+00	pCi/L	
2141	600678001	11/15/2022	Manganese-54	4.31E-01	7.02E-01	2.49E+00	pCi/L	
2141	603753003	12/13/2022	Manganese-54	-9.89E-03	7.72E-01	2.62E+00	pCi/L	
2141	566830002	1/12/2022	Molybdenum-99	1.56E+02	1.86E+02	6.29E+02	pCi/L	
2141	569536002	2/8/2022	Molybdenum-99	2.63E+01	1.04E+02	3.50E+02	pCi/L	
2141	572311003	3/7/2022	Molybdenum-99	-1.94E+03	8.45E+02	2.17E+03	pCi/L	
2141	575132003	4/4/2022	Molybdenum-99	4.35E+02	3.75E+02	1.33E+03	pCi/L	
2141	578411002	5/3/2022	Molybdenum-99	6.31E+01	1.93E+02	6.65E+02	pCi/L	
2141	581373004	5/31/2022	Molybdenum-99	9.98E+01	9.58E+01	2.73E+02	pCi/L	
2141	584135002	6/27/2022	Molybdenum-99	-6.83E+01	8.88E+01	2.56E+02	pCi/L	
2141	587148003	7/25/2022	Molybdenum-99	1.76E+01	1.04E+02	3.35E+02	pCi/L	
2141	590525002	8/23/2022	Molybdenum-99	5.85E+00	1.85E+01	6.16E+01	pCi/L	
2141	593606001	9/19/2022	Molybdenum-99	-4.17E+01	5.45E+01	1.68E+02	pCi/L	
2141	597079001	10/17/2022	Molybdenum-99	9.89E+01	7.33E+01	2.64E+02	pCi/L	
2141	600678001	11/15/2022	Molybdenum-99	-5.98E+02	2.92E+02	7.30E+02	pCi/L	
2141	603753003	12/13/2022	Molybdenum-99	-5.95E+01	5.40E+01	1.61E+02	pCi/L	
2141	566830002	1/12/2022	Niobium-95	-1.44E+00	9.76E-01	2.23E+00	pCi/L	
2141	569536002	2/8/2022	Niobium-95	-1.09E-01	4.92E-01	1.62E+00	pCi/L	
2141	572311003	3/7/2022	Niobium-95	1.02E+00	1.57E+00	4.18E+00	pCi/L	
2141	575132003	4/4/2022	Niobium-95	2.28E+00	1.08E+00	3.98E+00	pCi/L	
2141	578411002	5/3/2022	Niobium-95	-1.14E+00	8.10E-01	1.68E+00	pCi/L	
2141	581373004	5/31/2022	Niobium-95	1.62E+00	1.30E+00	4.66E+00	pCi/L	
2141	584135002	6/27/2022	Niobium-95	-1.67E+00	1.40E+00	3.84E+00	pCi/L	
2141	587148003	7/25/2022	Niobium-95	3.75E+00	1.41E+00	5.55E+00	pCi/L	
2141	590525002	8/23/2022	Niobium-95	-9.80E-01	1.15E+00	3.44E+00	pCi/L	
2141	593606001	9/19/2022	Niobium-95	3.30E+00	2.25E+00	4.58E+00	pCi/L	
2141	597079001	10/17/2022	Niobium-95	1.09E-01	1.19E+00	3.79E+00	pCi/L	
2141	600678001	11/15/2022	Niobium-95	1.51E-01	9.34E-01	3.00E+00	pCi/L	
2141	603753003	12/13/2022	Niobium-95	2.51E-01	8.33E-01	2.70E+00	pCi/L	
2141	566830002	1/12/2022	Potassium-40	1.01E+01	1.85E+01	3.05E+01	pCi/L	
2141	569536002	2/8/2022	Potassium-40	9.28E+00	1.37E+01	1.57E+01	pCi/L	
2141	572311003	3/7/2022	Potassium-40	1.12E+01	1.12E+01	3.97E+01	pCi/L	
2141	575132003	4/4/2022	Potassium-40	4.67E+01	2.11E+01	2.85E+01	pCi/L	
2141	578411002	5/3/2022	Potassium-40	3.41E+00	9.98E+00	2.60E+01	pCi/L	
2141	581373004	5/31/2022	Potassium-40	-1.73E+00	1.76E+01	6.61E+01	pCi/L	
2141	584135002	6/27/2022	Potassium-40	-1.25E+01	1.70E+01	5.53E+01	pCi/L	
2141	587148003	7/25/2022	Potassium-40	1.64E+01	1.52E+01	5.77E+01	pCi/L	
2141	590525002	8/23/2022	Potassium-40	8.88E+00	1.32E+01	4.76E+01	pCi/L	
2141	593606001	9/19/2022	Potassium-40	1.53E+01	1.96E+01	6.95E+01	pCi/L	
2141	597079001	10/17/2022	Potassium-40	1.42E+01	2.28E+01	3.18E+01	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2141	600678001	11/15/2022	Potassium-40	-3.01E+01	1.30E+01	3.60E+01	pCi/L	
2141	603753003	12/13/2022	Potassium-40	-9.11E+00	1.59E+01	4.39E+01	pCi/L	
2141	566830002	1/12/2022	Radium-226	8.03E+01	3.96E+01	5.60E+01	pCi/L	
2141	569536002	2/8/2022	Radium-226	3.01E+01	2.46E+01	2.96E+01	pCi/L	
2141	572311003	3/7/2022	Radium-226	-1.82E+01	2.73E+01	9.05E+01	pCi/L	
2141	575132003	4/4/2022	Radium-226	4.77E+01	4.01E+01	6.60E+01	pCi/L	
2141	578411002	5/3/2022	Radium-226	1.66E+01	2.52E+01	3.86E+01	pCi/L	
2141	581373004	5/31/2022	Radium-226	6.12E+01	6.29E+01	7.51E+01	pCi/L	
2141	584135002	6/27/2022	Radium-226	-1.09E+02	3.01E+01	9.10E+01	pCi/L	
2141	587148003	7/25/2022	Radium-226	5.37E+00	5.71E+01	8.01E+01	pCi/L	
2141	590525002	8/23/2022	Radium-226	3.48E+01	4.22E+01	6.70E+01	pCi/L	
2141	593606001	9/19/2022	Radium-226	4.77E+01	5.87E+01	9.23E+01	pCi/L	
2141	597079001	10/17/2022	Radium-226	-3.85E+01	2.68E+01	9.62E+01	pCi/L	
2141	600678001	11/15/2022	Radium-226	8.82E+00	3.46E+01	5.11E+01	pCi/L	
2141	603753003	12/13/2022	Radium-226	5.12E+01	2.92E+01	3.76E+01	pCi/L	
2141	566830002	1/12/2022	Radium-228	5.89E+00	4.24E+00	1.42E+01	pCi/L	
2141	569536002	2/8/2022	Radium-228	2.38E+00	4.55E+00	5.00E+00	pCi/L	
2141	572311003	3/7/2022	Radium-228	2.55E+00	5.20E+00	1.61E+01	pCi/L	
2141	575132003	4/4/2022	Radium-228	1.31E+01	5.11E+00	1.30E+01	pCi/L	
2141	578411002	5/3/2022	Radium-228	-8.94E+00	3.82E+00	8.21E+00	pCi/L	
2141	581373004	5/31/2022	Radium-228	-1.22E+01	4.44E+00	1.19E+01	pCi/L	
2141	584135002	6/27/2022	Radium-228	1.64E+01	8.52E+00	1.29E+01	pCi/L	
2141	587148003	7/25/2022	Radium-228	3.04E-01	4.88E+00	1.71E+01	pCi/L	
2141	590525002	8/23/2022	Radium-228	1.75E+01	6.43E+00	1.67E+01	pCi/L	
2141	593606001	9/19/2022	Radium-228	1.38E+00	6.74E+00	1.97E+01	pCi/L	
2141	597079001	10/17/2022	Radium-228	6.10E+00	6.81E+00	1.62E+01	pCi/L	
2141	600678001	11/15/2022	Radium-228	-6.13E+00	5.26E+00	1.31E+01	pCi/L	
2141	603753003	12/13/2022	Radium-228	3.11E+00	3.58E+00	1.25E+01	pCi/L	
2141	566830002	1/12/2022	Ruthenium-103	-5.95E-01	1.02E+00	3.25E+00	pCi/L	
2141	569536002	2/8/2022	Ruthenium-103	1.55E-01	4.48E-01	1.55E+00	pCi/L	
2141	572311003	3/7/2022	Ruthenium-103	1.23E-01	1.22E+00	4.03E+00	pCi/L	
2141	575132003	4/4/2022	Ruthenium-103	-9.29E-01	1.07E+00	3.39E+00	pCi/L	
2141	578411002	5/3/2022	Ruthenium-103	-5.99E-01	7.15E-01	2.22E+00	pCi/L	
2141	581373004	5/31/2022	Ruthenium-103	-5.92E-01	1.34E+00	4.29E+00	pCi/L	
2141	584135002	6/27/2022	Ruthenium-103	-1.83E+00	1.30E+00	3.76E+00	pCi/L	
2141	587148003	7/25/2022	Ruthenium-103	-2.00E+00	1.14E+00	3.17E+00	pCi/L	
2141	590525002	8/23/2022	Ruthenium-103	-5.57E-01	8.48E-01	2.67E+00	pCi/L	
2141	593606001	9/19/2022	Ruthenium-103	-1.99E+00	1.53E+00	4.35E+00	pCi/L	
2141	597079001	10/17/2022	Ruthenium-103	4.15E-01	9.94E-01	3.08E+00	pCi/L	
2141	600678001	11/15/2022	Ruthenium-103	2.96E-01	9.33E-01	3.13E+00	pCi/L	
2141	603753003	12/13/2022	Ruthenium-103	-3.62E-01	1.09E+00	2.47E+00	pCi/L	
2141	566830002	1/12/2022	Ruthenium-106	1.07E+01	8.80E+00	3.04E+01	pCi/L	
2141	569536002	2/8/2022	Ruthenium-106	2.62E+00	3.95E+00	1.24E+01	pCi/L	
2141	572311003	3/7/2022	Ruthenium-106	-4.38E+00	8.76E+00	2.73E+01	pCi/L	
2141	575132003	4/4/2022	Ruthenium-106	-1.46E+00	8.51E+00	2.46E+01	pCi/L	
2141	578411002	5/3/2022	Ruthenium-106	-1.52E+00	5.67E+00	1.78E+01	pCi/L	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2141	581373004	5/31/2022	Ruthenium-106	-6.92E+00	1.09E+01	3.35E+01	pCi/L	
2141	584135002	6/27/2022	Ruthenium-106	-3.14E+00	9.53E+00	2.96E+01	pCi/L	
2141	587148003	7/25/2022	Ruthenium-106	-1.01E+01	9.98E+00	2.90E+01	pCi/L	
2141	590525002	8/23/2022	Ruthenium-106	4.67E+00	8.13E+00	2.81E+01	pCi/L	
2141	593606001	9/19/2022	Ruthenium-106	6.55E+00	1.07E+01	3.77E+01	pCi/L	
2141	597079001	10/17/2022	Ruthenium-106	-2.53E+01	1.14E+01	2.37E+01	pCi/L	
2141	600678001	11/15/2022	Ruthenium-106	-7.57E+00	7.32E+00	2.18E+01	pCi/L	
2141	603753003	12/13/2022	Ruthenium-106	5.84E+00	6.76E+00	2.30E+01	pCi/L	
2141	566830002	1/12/2022	Selenium-75	-1.60E-01	1.14E+00	3.87E+00	pCi/L	
2141	569536002	2/8/2022	Selenium-75	-3.68E-02	6.74E-01	2.17E+00	pCi/L	
2141	572311003	3/7/2022	Selenium-75	1.22E+00	1.15E+00	4.09E+00	pCi/L	
2141	575132003	4/4/2022	Selenium-75	1.29E+00	1.36E+00	4.45E+00	pCi/L	
2141	578411002	5/3/2022	Selenium-75	-6.93E-01	7.79E-01	2.54E+00	pCi/L	
2141	581373004	5/31/2022	Selenium-75	3.65E+00	1.60E+00	5.75E+00	pCi/L	
2141	584135002	6/27/2022	Selenium-75	-1.15E+00	1.34E+00	4.35E+00	pCi/L	
2141	587148003	7/25/2022	Selenium-75	-1.01E+00	1.28E+00	4.17E+00	pCi/L	
2141	590525002	8/23/2022	Selenium-75	-5.96E-01	1.40E+00	4.24E+00	pCi/L	
2141	593606001	9/19/2022	Selenium-75	-1.84E+00	1.74E+00	5.41E+00	pCi/L	
2141	597079001	10/17/2022	Selenium-75	-7.80E-01	1.42E+00	4.27E+00	pCi/L	
2141	600678001	11/15/2022	Selenium-75	-4.24E-01	1.17E+00	3.59E+00	pCi/L	
2141	603753003	12/13/2022	Selenium-75	2.34E-01	9.07E-01	2.90E+00	pCi/L	
2141	566830002	1/12/2022	Silver-108m	-2.88E-01	7.90E-01	2.28E+00	pCi/L	
2141	569536002	2/8/2022	Silver-108m	-4.21E-01	4.21E-01	1.26E+00	pCi/L	
2141	572311003	3/7/2022	Silver-108m	-8.52E-02	7.98E-01	2.63E+00	pCi/L	
2141	575132003	4/4/2022	Silver-108m	1.88E-01	8.06E-01	2.75E+00	pCi/L	
2141	578411002	5/3/2022	Silver-108m	-4.08E-01	4.73E-01	1.48E+00	pCi/L	
2141	581373004	5/31/2022	Silver-108m	-1.20E+00	9.77E-01	2.96E+00	pCi/L	
2141	584135002	6/27/2022	Silver-108m	-1.29E+00	9.34E-01	2.71E+00	pCi/L	
2141	587148003	7/25/2022	Silver-108m	-4.03E-01	1.04E+00	3.34E+00	pCi/L	
2141	590525002	8/23/2022	Silver-108m	-5.80E-01	8.00E-01	2.54E+00	pCi/L	
2141	593606001	9/19/2022	Silver-108m	-2.61E+00	1.30E+00	3.55E+00	pCi/L	
2141	597079001	10/17/2022	Silver-108m	-4.22E-01	9.57E-01	3.10E+00	pCi/L	
2141	600678001	11/15/2022	Silver-108m	-3.59E-01	7.10E-01	2.30E+00	pCi/L	
2141	603753003	12/13/2022	Silver-108m	5.09E-01	6.59E-01	2.19E+00	pCi/L	
2141	566830002	1/12/2022	Silver-110m	6.43E-02	1.08E+00	3.66E+00	pCi/L	
2141	569536002	2/8/2022	Silver-110m	-4.06E-01	6.06E-01	1.93E+00	pCi/L	
2141	572311003	3/7/2022	Silver-110m	2.08E+00	1.44E+00	5.32E+00	pCi/L	
2141	575132003	4/4/2022	Silver-110m	-1.41E+00	1.46E+00	3.68E+00	pCi/L	
2141	578411002	5/3/2022	Silver-110m	-2.11E+00	7.60E-01	2.09E+00	pCi/L	
2141	581373004	5/31/2022	Silver-110m	6.23E-01	1.50E+00	5.00E+00	pCi/L	
2141	584135002	6/27/2022	Silver-110m	1.01E-01	1.19E+00	4.04E+00	pCi/L	
2141	587148003	7/25/2022	Silver-110m	1.95E+00	1.73E+00	6.31E+00	pCi/L	
2141	590525002	8/23/2022	Silver-110m	2.07E+00	1.47E+00	5.01E+00	pCi/L	
2141	593606001	9/19/2022	Silver-110m	-1.73E+00	1.46E+00	4.09E+00	pCi/L	
2141	597079001	10/17/2022	Silver-110m	-1.55E-01	1.39E+00	4.62E+00	pCi/L	
2141	600678001	11/15/2022	Silver-110m	2.09E+00	1.13E+00	4.30E+00	pCi/L	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2141	603753003	12/13/2022	Silver-110m	-6.16E-01	1.34E+00	3.87E+00	pCi/L	
2141	566830002	1/12/2022	Tellurium-132	3.00E+00	1.31E+01	3.80E+01	pCi/L	
2141	569536002	2/8/2022	Tellurium-132	-5.39E+00	7.52E+00	2.41E+01	pCi/L	
2141	572311003	3/7/2022	Tellurium-132	-3.01E+01	4.08E+01	1.22E+02	pCi/L	
2141	575132003	4/4/2022	Tellurium-132	-2.79E+01	2.61E+01	7.84E+01	pCi/L	
2141	578411002	5/3/2022	Tellurium-132	-2.37E+00	1.24E+01	4.15E+01	pCi/L	
2141	581373004	5/31/2022	Tellurium-132	2.39E+01	9.09E+00	2.06E+01	pCi/L	
2141	584135002	6/27/2022	Tellurium-132	1.18E+01	7.26E+00	2.51E+01	pCi/L	
2141	587148003	7/25/2022	Tellurium-132	1.00E+00	8.50E+00	2.94E+01	pCi/L	
2141	590525002	8/23/2022	Tellurium-132	-4.18E-01	1.79E+00	5.07E+00	pCi/L	
2141	593606001	9/19/2022	Tellurium-132	-2.68E+00	5.53E+00	1.80E+01	pCi/L	
2141	597079001	10/17/2022	Tellurium-132	7.14E+00	5.75E+00	1.96E+01	pCi/L	
2141	600678001	11/15/2022	Tellurium-132	8.97E+00	1.59E+01	5.13E+01	pCi/L	
2141	603753003	12/13/2022	Tellurium-132	-3.34E+00	3.58E+00	1.11E+01	pCi/L	
2141	566830002	1/12/2022	Thallium-208	1.57E+00	1.97E+00	2.87E+00	pCi/L	
2141	569536002	2/8/2022	Thallium-208	1.15E-01	1.40E+00	1.52E+00	pCi/L	
2141	572311003	3/7/2022	Thallium-208	4.55E+00	1.85E+00	3.37E+00	pCi/L	
2141	575132003	4/4/2022	Thallium-208	4.96E+00	2.24E+00	2.79E+00	pCi/L	
2141	578411002	5/3/2022	Thallium-208	-7.64E-01	9.42E-01	2.40E+00	pCi/L	
2141	581373004	5/31/2022	Thallium-208	-1.53E-01	1.78E+00	5.26E+00	pCi/L	
2141	584135002	6/27/2022	Thallium-208	4.37E+00	3.18E+00	3.47E+00	pCi/L	
2141	587148003	7/25/2022	Thallium-208	7.47E-02	1.34E+00	4.26E+00	pCi/L	
2141	590525002	8/23/2022	Thallium-208	2.88E+00	2.06E+00	3.09E+00	pCi/L	
2141	593606001	9/19/2022	Thallium-208	8.33E-01	2.28E+00	3.40E+00	pCi/L	
2141	597079001	10/17/2022	Thallium-208	2.59E-01	1.56E+00	3.45E+00	pCi/L	
2141	600678001	11/15/2022	Thallium-208	-7.77E-01	1.16E+00	3.17E+00	pCi/L	
2141	603753003	12/13/2022	Thallium-208	-1.36E+00	1.41E+00	3.15E+00	pCi/L	
2141	566830002	1/12/2022	Thorium-228	6.73E-01	4.11E+00	6.37E+00	pCi/L	
2141	569536002	2/8/2022	Thorium-228	1.77E+00	1.94E+00	4.25E+00	pCi/L	
2141	572311003	3/7/2022	Thorium-228	-7.43E-01	1.85E+00	5.86E+00	pCi/L	
2141	575132003	4/4/2022	Thorium-228	1.68E+00	2.88E+00	6.64E+00	pCi/L	
2141	578411002	5/3/2022	Thorium-228	-2.99E+00	1.42E+00	4.10E+00	pCi/L	
2141	581373004	5/31/2022	Thorium-228	-7.72E-01	2.79E+00	8.76E+00	pCi/L	
2141	584135002	6/27/2022	Thorium-228	2.78E+00	4.19E+00	8.48E+00	pCi/L	
2141	587148003	7/25/2022	Thorium-228	3.15E+00	3.11E+00	9.02E+00	pCi/L	
2141	590525002	8/23/2022	Thorium-228	8.02E-01	2.36E+00	7.58E+00	pCi/L	
2141	593606001	9/19/2022	Thorium-228	-2.11E+00	3.29E+00	1.03E+01	pCi/L	
2141	597079001	10/17/2022	Thorium-228	1.92E+00	2.97E+00	5.89E+00	pCi/L	
2141	600678001	11/15/2022	Thorium-228	9.65E-02	3.17E+00	5.60E+00	pCi/L	
2141	603753003	12/13/2022	Thorium-228	1.59E+00	1.81E+00	4.75E+00	pCi/L	
2141	566830002	1/12/2022	Thorium-230	1.67E+03	6.04E+02	1.10E+03	pCi/L	
2141	569536002	2/8/2022	Thorium-230	5.49E+02	2.10E+02	3.83E+02	pCi/L	
2141	572311003	3/7/2022	Thorium-230	5.66E+02	2.72E+02	4.85E+02	pCi/L	
2141	575132003	4/4/2022	Thorium-230	2.61E+03	9.78E+02	1.49E+03	pCi/L	
2141	578411002	5/3/2022	Thorium-230	1.44E+03	3.67E+02	5.89E+02	pCi/L	
2141	581373004	5/31/2022	Thorium-230	2.35E+03	1.07E+03	1.75E+03	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2141	584135002	6/27/2022	Thorium-230	-1.69E+02	5.33E+02	1.62E+03	pCi/L	
2141	587148003	7/25/2022	Thorium-230	9.61E+02	7.49E+02	1.17E+03	pCi/L	
2141	590525002	8/23/2022	Thorium-230	1.69E+03	6.60E+02	1.01E+03	pCi/L	
2141	593606001	9/19/2022	Thorium-230	1.95E+03	1.32E+03	2.35E+03	pCi/L	
2141	597079001	10/17/2022	Thorium-230	-5.54E+02	5.05E+02	1.51E+03	pCi/L	
2141	600678001	11/15/2022	Thorium-230	1.39E+03	7.75E+02	1.02E+03	pCi/L	
2141	603753003	12/13/2022	Thorium-230	3.10E+02	1.59E+02	3.48E+02	pCi/L	
2141	566830002	1/12/2022	Thorium-232	1.09E+03	1.27E+03	1.94E+03	pCi/L	
2141	569536002	2/8/2022	Thorium-232	-1.47E+02	3.15E+02	7.17E+02	pCi/L	
2141	572311003	3/7/2022	Thorium-232	-1.27E+03	3.73E+02	1.25E+03	pCi/L	
2141	575132003	4/4/2022	Thorium-232	-2.09E+03	1.22E+03	3.32E+03	pCi/L	
2141	578411002	5/3/2022	Thorium-232	8.08E+02	6.38E+02	9.30E+02	pCi/L	
2141	581373004	5/31/2022	Thorium-232	1.22E+03	1.56E+03	3.10E+03	pCi/L	
2141	584135002	6/27/2022	Thorium-232	2.84E+02	1.72E+03	2.79E+03	pCi/L	
2141	587148003	7/25/2022	Thorium-232	1.05E+03	1.04E+03	2.13E+03	pCi/L	
2141	590525002	8/23/2022	Thorium-232	-9.73E+02	7.60E+02	2.27E+03	pCi/L	
2141	593606001	9/19/2022	Thorium-232	2.13E+03	2.45E+03	4.83E+03	pCi/L	
2141	597079001	10/17/2022	Thorium-232	3.24E+03	1.43E+03	2.61E+03	pCi/L	
2141	600678001	11/15/2022	Thorium-232	-1.33E+03	8.05E+02	2.21E+03	pCi/L	
2141	603753003	12/13/2022	Thorium-232	-7.23E+02	2.79E+02	7.09E+02	pCi/L	
2141	566830002	1/12/2022	Thorium-234	7.68E+01	8.91E+01	1.40E+02	pCi/L	
2141	569536002	2/8/2022	Thorium-234	-8.76E+00	2.26E+01	5.21E+01	pCi/L	
2141	572311003	3/7/2022	Thorium-234	-5.60E+01	2.69E+01	9.18E+01	pCi/L	
2141	575132003	4/4/2022	Thorium-234	-9.57E+01	8.68E+01	2.43E+02	pCi/L	
2141	578411002	5/3/2022	Thorium-234	5.68E+01	4.48E+01	9.54E+01	pCi/L	
2141	581373004	5/31/2022	Thorium-234	8.59E+01	1.10E+02	2.98E+02	pCi/L	
2141	584135002	6/27/2022	Thorium-234	1.99E+01	1.21E+02	2.50E+02	pCi/L	
2141	587148003	7/25/2022	Thorium-234	7.36E+01	7.32E+01	2.02E+02	pCi/L	
2141	590525002	8/23/2022	Thorium-234	-3.30E+01	5.50E+01	1.70E+02	pCi/L	
2141	593606001	9/19/2022	Thorium-234	1.49E+02	1.72E+02	3.51E+02	pCi/L	
2141	597079001	10/17/2022	Thorium-234	2.28E+02	1.01E+02	2.49E+02	pCi/L	
2141	600678001	11/15/2022	Thorium-234	-4.33E+01	5.75E+01	1.63E+02	pCi/L	
2141	603753003	12/13/2022	Thorium-234	-1.99E+01	1.95E+01	5.24E+01	pCi/L	
2141	578156003	3/7/2022	Tritium	1.93E+02	1.88E+02	5.86E+02	pCi/L	
2141	592759002	6/27/2022	Tritium	1.77E+01	1.40E+02	4.58E+02	pCi/L	
2141	600459001	9/19/2022	Tritium	6.54E+01	2.01E+02	6.54E+02	pCi/L	
2141	609540003	12/13/2022	Tritium	7.22E+01	2.42E+02	7.90E+02	pCi/L	
2141	566830002	1/12/2022	Uranium-234	6.33E+02	2.75E+03	9.34E+03	pCi/L	
2141	569536002	2/8/2022	Uranium-234	1.24E+03	7.87E+02	1.47E+03	pCi/L	
2141	572311003	3/7/2022	Uranium-234	1.64E+02	6.24E+02	1.82E+03	pCi/L	
2141	575132003	4/4/2022	Uranium-234	5.30E+03	5.17E+03	1.81E+04	pCi/L	
2141	578411002	5/3/2022	Uranium-234	1.38E+03	9.33E+02	3.15E+03	pCi/L	
2141	581373004	5/31/2022	Uranium-234	4.86E+03	8.00E+03	1.50E+04	pCi/L	
2141	584135002	6/27/2022	Uranium-234	-1.97E+03	3.50E+03	1.14E+04	pCi/L	
2141	587148003	7/25/2022	Uranium-234	4.37E+03	2.30E+03	8.36E+03	pCi/L	
2141	590525002	8/23/2022	Uranium-234	4.65E+03	1.89E+03	7.05E+03	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2141	593606001	9/19/2022	Uranium-234	-1.06E+03	7.47E+03	2.36E+04	pCi/L	
2141	597079001	10/17/2022	Uranium-234	2.28E+03	3.15E+03	1.12E+04	pCi/L	
2141	600678001	11/15/2022	Uranium-234	2.37E+03	2.37E+03	8.43E+03	pCi/L	
2141	603753003	12/13/2022	Uranium-234	1.08E+03	7.31E+02	1.11E+03	pCi/L	
2141	566830002	1/12/2022	Zinc-65	2.56E+00	1.95E+00	7.71E+00	pCi/L	
2141	569536002	2/8/2022	Zinc-65	2.44E-01	9.13E-01	3.00E+00	pCi/L	
2141	572311003	3/7/2022	Zinc-65	5.36E-01	1.86E+00	5.67E+00	pCi/L	
2141	575132003	4/4/2022	Zinc-65	1.32E+00	1.64E+00	5.95E+00	pCi/L	
2141	578411002	5/3/2022	Zinc-65	9.18E-01	1.22E+00	3.78E+00	pCi/L	
2141	581373004	5/31/2022	Zinc-65	1.54E+00	1.90E+00	6.57E+00	pCi/L	
2141	584135002	6/27/2022	Zinc-65	-2.34E+00	2.36E+00	6.72E+00	pCi/L	
2141	587148003	7/25/2022	Zinc-65	1.01E+00	2.42E+00	7.45E+00	pCi/L	
2141	590525002	8/23/2022	Zinc-65	1.38E-02	1.94E+00	5.79E+00	pCi/L	
2141	593606001	9/19/2022	Zinc-65	-3.57E+00	2.50E+00	6.44E+00	pCi/L	
2141	597079001	10/17/2022	Zinc-65	3.47E+00	1.86E+00	7.10E+00	pCi/L	
2141	600678001	11/15/2022	Zinc-65	-2.33E+00	2.05E+00	6.12E+00	pCi/L	
2141	603753003	12/13/2022	Zinc-65	-1.86E+00	1.58E+00	4.76E+00	pCi/L	
2141	566830002	1/12/2022	Zirconium-95	6.37E-02	1.68E+00	5.36E+00	pCi/L	
2141	569536002	2/8/2022	Zirconium-95	-2.20E-01	8.41E-01	2.77E+00	pCi/L	
2141	572311003	3/7/2022	Zirconium-95	3.55E+00	2.14E+00	7.12E+00	pCi/L	
2141	575132003	4/4/2022	Zirconium-95	2.15E+00	1.54E+00	5.60E+00	pCi/L	
2141	578411002	5/3/2022	Zirconium-95	4.02E-01	1.11E+00	3.72E+00	pCi/L	
2141	581373004	5/31/2022	Zirconium-95	2.97E+00	1.85E+00	7.05E+00	pCi/L	
2141	584135002	6/27/2022	Zirconium-95	1.00E-02	2.17E+00	6.87E+00	pCi/L	
2141	587148003	7/25/2022	Zirconium-95	1.37E-01	2.09E+00	6.33E+00	pCi/L	
2141	590525002	8/23/2022	Zirconium-95	-1.93E+00	1.39E+00	3.66E+00	pCi/L	
2141	593606001	9/19/2022	Zirconium-95	2.01E+00	2.67E+00	9.35E+00	pCi/L	
2141	597079001	10/17/2022	Zirconium-95	-1.12E+00	2.19E+00	6.60E+00	pCi/L	
2141	600678001	11/15/2022	Zirconium-95	-1.61E+00	1.86E+00	5.48E+00	pCi/L	
2141	603753003	12/13/2022	Zirconium-95	-1.50E-01	1.39E+00	4.40E+00	pCi/L	
2142	566830001	1/10/2022	Actinium-228	2.71E-01	3.97E+00	1.19E+01	pCi/L	
2142	569536003	2/8/2022	Actinium-228	3.23E+00	3.46E+00	5.65E+00	pCi/L	
2142	572311002	3/8/2022	Actinium-228	3.10E+00	5.92E+00	1.36E+01	pCi/L	
2142	575132002	4/5/2022	Actinium-228	-1.41E+00	4.52E+00	1.24E+01	pCi/L	
2142	578411001	5/2/2022	Actinium-228	1.60E+01	4.31E+00	8.83E+00	pCi/L	
2142	581373001	5/31/2022	Actinium-228	-4.61E+00	6.29E+00	1.94E+01	pCi/L	
2142	584135001	6/28/2022	Actinium-228	3.70E+00	6.61E+00	2.15E+01	pCi/L	
2142	587148002	7/26/2022	Actinium-228	-8.19E+00	5.29E+00	1.65E+01	pCi/L	
2142	590525001	8/22/2022	Actinium-228	1.44E+00	6.36E+00	1.79E+01	pCi/L	
2142	593606002	9/19/2022	Actinium-228	2.11E+01	1.12E+01	2.23E+01	pCi/L	
2142	597079002	10/18/2022	Actinium-228	5.09E+00	5.69E+00	1.79E+01	pCi/L	
2142	600678002	11/15/2022	Actinium-228	7.72E+00	4.03E+00	9.63E+00	pCi/L	
2142	603753002	12/13/2022	Actinium-228	3.32E+00	4.48E+00	5.94E+00	pCi/L	
2142	566830001	1/10/2022	Americium-241	-6.07E+00	4.66E+00	1.49E+01	pCi/L	
2142	569536003	2/8/2022	Americium-241	-1.09E+00	1.25E+00	4.14E+00	pCi/L	
2142	572311002	3/8/2022	Americium-241	-5.44E+00	9.13E+00	2.98E+01	pCi/L	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	575132002	4/5/2022	Americium-241	2.85E+00	9.22E+00	2.73E+01	pCi/L	
2142	578411001	5/2/2022	Americium-241	-1.35E+00	2.97E+00	9.01E+00	pCi/L	
2142	581373001	5/31/2022	Americium-241	4.19E+00	3.45E+00	8.65E+00	pCi/L	
2142	584135001	6/28/2022	Americium-241	-1.56E+01	1.33E+01	3.59E+01	pCi/L	
2142	587148002	7/26/2022	Americium-241	2.96E+01	1.23E+01	2.97E+01	pCi/L	
2142	590525001	8/22/2022	Americium-241	6.86E+00	7.16E+00	2.30E+01	pCi/L	
2142	593606002	9/19/2022	Americium-241	-1.49E+01	1.36E+01	4.33E+01	pCi/L	
2142	597079002	10/18/2022	Americium-241	4.89E-01	3.27E+00	1.07E+01	pCi/L	
2142	600678002	11/15/2022	Americium-241	1.50E+00	8.34E+00	2.51E+01	pCi/L	
2142	603753002	12/13/2022	Americium-241	2.62E+00	4.92E+00	1.51E+01	pCi/L	
2142	566830001	1/10/2022	Antimony-124	2.79E+00	2.06E+00	7.46E+00	pCi/L	
2142	569536003	2/8/2022	Antimony-124	1.97E+00	1.03E+00	3.90E+00	pCi/L	
2142	572311002	3/8/2022	Antimony-124	3.26E+00	2.08E+00	8.11E+00	pCi/L	
2142	575132002	4/5/2022	Antimony-124	4.96E-01	2.71E+00	9.07E+00	pCi/L	
2142	578411001	5/2/2022	Antimony-124	-1.27E+00	1.29E+00	3.78E+00	pCi/L	
2142	581373001	5/31/2022	Antimony-124	1.98E+00	2.91E+00	1.06E+01	pCi/L	
2142	584135001	6/28/2022	Antimony-124	1.97E+00	3.24E+00	1.16E+01	pCi/L	
2142	587148002	7/26/2022	Antimony-124	1.61E+00	2.74E+00	9.74E+00	pCi/L	
2142	590525001	8/22/2022	Antimony-124	-1.18E+00	2.35E+00	7.12E+00	pCi/L	
2142	593606002	9/19/2022	Antimony-124	-3.32E+00	2.83E+00	6.87E+00	pCi/L	
2142	597079002	10/18/2022	Antimony-124	-9.84E-02	2.45E+00	8.15E+00	pCi/L	
2142	600678002	11/15/2022	Antimony-124	-3.28E+00	2.63E+00	7.46E+00	pCi/L	
2142	603753002	12/13/2022	Antimony-124	2.96E+00	3.46E+00	4.03E+00	pCi/L	
2142	566830001	1/10/2022	Antimony-125	4.10E-01	1.85E+00	6.18E+00	pCi/L	
2142	569536003	2/8/2022	Antimony-125	1.82E+00	1.07E+00	3.84E+00	pCi/L	
2142	572311002	3/8/2022	Antimony-125	-3.41E+00	2.52E+00	7.93E+00	pCi/L	
2142	575132002	4/5/2022	Antimony-125	5.19E+00	2.65E+00	9.27E+00	pCi/L	
2142	578411001	5/2/2022	Antimony-125	1.25E+00	1.35E+00	4.72E+00	pCi/L	
2142	581373001	5/31/2022	Antimony-125	1.61E+01	9.32E+00	1.07E+01	pCi/L	
2142	584135001	6/28/2022	Antimony-125	2.60E+00	3.22E+00	1.12E+01	pCi/L	
2142	587148002	7/26/2022	Antimony-125	1.10E+00	3.05E+00	1.05E+01	pCi/L	
2142	590525001	8/22/2022	Antimony-125	2.96E+00	2.89E+00	1.03E+01	pCi/L	
2142	593606002	9/19/2022	Antimony-125	5.41E+00	3.18E+00	1.21E+01	pCi/L	
2142	597079002	10/18/2022	Antimony-125	-6.78E-01	2.95E+00	9.03E+00	pCi/L	
2142	600678002	11/15/2022	Antimony-125	-2.19E+00	2.32E+00	6.99E+00	pCi/L	
2142	603753002	12/13/2022	Antimony-125	-8.29E-01	1.52E+00	4.95E+00	pCi/L	
2142	566830001	1/10/2022	Barium-140	8.37E+00	5.09E+00	1.80E+01	pCi/L	
2142	569536003	2/8/2022	Barium-140	4.73E+00	2.97E+00	1.06E+01	pCi/L	
2142	572311002	3/8/2022	Barium-140	-3.24E+00	7.67E+00	2.48E+01	pCi/L	
2142	575132002	4/5/2022	Barium-140	1.30E+01	6.75E+00	2.50E+01	pCi/L	
2142	578411001	5/2/2022	Barium-140	-9.47E+00	7.75E+00	1.39E+01	pCi/L	
2142	581373001	5/31/2022	Barium-140	-1.52E+00	7.21E+00	2.31E+01	pCi/L	
2142	584135001	6/28/2022	Barium-140	2.18E+00	7.62E+00	2.54E+01	pCi/L	
2142	587148002	7/26/2022	Barium-140	5.75E+00	5.99E+00	2.15E+01	pCi/L	
2142	590525001	8/22/2022	Barium-140	-4.77E+00	4.39E+00	1.33E+01	pCi/L	
2142	593606002	9/19/2022	Barium-140	2.93E-01	5.63E+00	1.88E+01	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	597079002	10/18/2022	Barium-140	2.35E+00	5.85E+00	1.93E+01	pCi/L	
2142	600678002	11/15/2022	Barium-140	4.14E-01	6.58E+00	2.24E+01	pCi/L	
2142	603753002	12/13/2022	Barium-140	-1.62E+00	2.80E+00	8.93E+00	pCi/L	
2142	566830001	1/10/2022	Beryllium-7	-2.01E-01	6.94E+00	2.26E+01	pCi/L	
2142	569536003	2/8/2022	Beryllium-7	2.81E+00	3.80E+00	1.32E+01	pCi/L	
2142	572311002	3/8/2022	Beryllium-7	-3.71E-01	9.00E+00	3.00E+01	pCi/L	
2142	575132002	4/5/2022	Beryllium-7	5.82E+00	8.84E+00	2.91E+01	pCi/L	
2142	578411001	5/2/2022	Beryllium-7	-1.04E-01	5.06E+00	1.69E+01	pCi/L	
2142	581373001	5/31/2022	Beryllium-7	1.71E+01	1.18E+01	4.32E+01	pCi/L	
2142	584135001	6/28/2022	Beryllium-7	1.36E+01	1.09E+01	3.92E+01	pCi/L	
2142	587148002	7/26/2022	Beryllium-7	1.59E+01	1.28E+01	3.07E+01	pCi/L	
2142	590525001	8/22/2022	Beryllium-7	-6.40E+00	8.44E+00	2.66E+01	pCi/L	
2142	593606002	9/19/2022	Beryllium-7	1.38E+01	1.13E+01	4.10E+01	pCi/L	
2142	597079002	10/18/2022	Beryllium-7	9.29E+00	8.42E+00	3.10E+01	pCi/L	
2142	600678002	11/15/2022	Beryllium-7	1.93E+01	8.34E+00	2.99E+01	pCi/L	
2142	603753002	12/13/2022	Beryllium-7	4.28E+00	4.44E+00	1.52E+01	pCi/L	
2142	566830001	1/10/2022	BETA	1.31E+00	1.07E+00	3.30E+00	pCi/L	
2142	569536003	2/8/2022	BETA	1.98E-01	8.75E-01	2.83E+00	pCi/L	
2142	572311002	3/8/2022	BETA	-1.95E-01	7.11E-01	2.39E+00	pCi/L	
2142	575132002	4/5/2022	BETA	5.80E-01	6.85E-01	2.08E+00	pCi/L	
2142	578411001	5/2/2022	BETA	1.75E-01	8.67E-01	2.80E+00	pCi/L	
2142	581373001	5/31/2022	BETA	6.76E-02	1.10E+00	3.62E+00	pCi/L	
2142	584135001	6/28/2022	BETA	2.14E-01	8.20E-01	2.62E+00	pCi/L	
2142	587148002	7/26/2022	BETA	1.20E+00	9.83E-01	2.98E+00	pCi/L	
2142	590525001	8/22/2022	BETA	6.52E-01	2.24E+00	3.64E+00	pCi/L	
2142	593606002	9/19/2022	BETA	-1.66E-01	1.30E+00	2.23E+00	pCi/L	
2142	597079002	10/18/2022	BETA	1.59E+00	2.23E+00	3.43E+00	pCi/L	
2142	600678002	11/15/2022	BETA	2.05E+00	8.95E-01	2.47E+00	pCi/L	
2142	603753002	12/13/2022	BETA	1.70E+00	9.57E-01	2.77E+00	pCi/L	
2142	566830001	1/10/2022	Bismuth-214	-3.83E-01	2.23E+00	6.62E+00	pCi/L	
2142	569536003	2/8/2022	Bismuth-214	2.20E+00	2.01E+00	2.51E+00	pCi/L	
2142	572311002	3/8/2022	Bismuth-214	6.20E+00	4.26E+00	4.68E+00	pCi/L	
2142	575132002	4/5/2022	Bismuth-214	-3.24E+00	2.50E+00	6.95E+00	pCi/L	
2142	578411001	5/2/2022	Bismuth-214	9.25E+00	2.64E+00	3.15E+00	pCi/L	
2142	581373001	5/31/2022	Bismuth-214	1.84E+01	5.54E+00	7.57E+00	pCi/L	
2142	584135001	6/28/2022	Bismuth-214	1.21E+01	5.76E+00	1.35E+01	pCi/L	
2142	587148002	7/26/2022	Bismuth-214	3.02E+00	2.76E+00	9.40E+00	pCi/L	
2142	590525001	8/22/2022	Bismuth-214	1.45E+01	5.27E+00	1.25E+01	pCi/L	
2142	593606002	9/19/2022	Bismuth-214	1.48E+01	5.12E+00	8.85E+00	pCi/L	
2142	597079002	10/18/2022	Bismuth-214	4.37E+00	4.26E+00	7.40E+00	pCi/L	
2142	600678002	11/15/2022	Bismuth-214	5.11E+00	2.87E+00	7.96E+00	pCi/L	
2142	603753002	12/13/2022	Bismuth-214	1.01E+01	2.91E+00	3.51E+00	pCi/L	
2142	566830001	1/10/2022	Cerium-141	1.48E+00	1.62E+00	4.95E+00	pCi/L	
2142	569536003	2/8/2022	Cerium-141	-1.53E+00	8.44E-01	2.64E+00	pCi/L	
2142	572311002	3/8/2022	Cerium-141	-2.56E+00	2.25E+00	6.96E+00	pCi/L	
2142	575132002	4/5/2022	Cerium-141	2.26E-01	1.97E+00	6.02E+00	pCi/L	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	578411001	5/2/2022	Cerium-141	4.67E-01	1.23E+00	3.98E+00	pCi/L	
2142	581373001	5/31/2022	Cerium-141	2.96E-01	2.34E+00	6.93E+00	pCi/L	
2142	584135001	6/28/2022	Cerium-141	-9.07E-01	2.30E+00	7.72E+00	pCi/L	
2142	587148002	7/26/2022	Cerium-141	1.78E-02	2.34E+00	7.59E+00	pCi/L	
2142	590525001	8/22/2022	Cerium-141	-2.73E+00	1.93E+00	5.77E+00	pCi/L	
2142	593606002	9/19/2022	Cerium-141	8.94E-01	2.40E+00	7.37E+00	pCi/L	
2142	597079002	10/18/2022	Cerium-141	1.22E+00	1.97E+00	6.72E+00	pCi/L	
2142	600678002	11/15/2022	Cerium-141	7.97E-01	1.88E+00	6.24E+00	pCi/L	
2142	603753002	12/13/2022	Cerium-141	5.65E-01	2.08E+00	3.21E+00	pCi/L	
2142	566830001	1/10/2022	Cerium-144	-5.70E-01	5.37E+00	1.72E+01	pCi/L	
2142	569536003	2/8/2022	Cerium-144	2.47E+00	2.72E+00	9.08E+00	pCi/L	
2142	572311002	3/8/2022	Cerium-144	-8.20E+00	6.78E+00	2.10E+01	pCi/L	
2142	575132002	4/5/2022	Cerium-144	-5.16E+00	6.13E+00	2.04E+01	pCi/L	
2142	578411001	5/2/2022	Cerium-144	-3.96E+00	3.57E+00	1.11E+01	pCi/L	
2142	581373001	5/31/2022	Cerium-144	5.64E+00	6.76E+00	2.27E+01	pCi/L	
2142	584135001	6/28/2022	Cerium-144	1.23E+00	8.65E+00	2.98E+01	pCi/L	
2142	587148002	7/26/2022	Cerium-144	2.25E+01	9.39E+00	2.35E+01	pCi/L	
2142	590525001	8/22/2022	Cerium-144	5.75E-01	7.46E+00	2.40E+01	pCi/L	
2142	593606002	9/19/2022	Cerium-144	-4.44E+00	9.08E+00	2.88E+01	pCi/L	
2142	597079002	10/18/2022	Cerium-144	6.15E-01	6.81E+00	2.29E+01	pCi/L	
2142	600678002	11/15/2022	Cerium-144	-5.42E+00	6.44E+00	2.06E+01	pCi/L	
2142	603753002	12/13/2022	Cerium-144	5.12E+00	4.04E+00	1.32E+01	pCi/L	
2142	566830001	1/10/2022	Cesium-134	2.08E+00	8.03E-01	3.13E+00	pCi/L	
2142	569536003	2/8/2022	Cesium-134	4.84E-01	4.55E-01	1.57E+00	pCi/L	
2142	572311002	3/8/2022	Cesium-134	1.72E+00	1.06E+00	3.78E+00	pCi/L	
2142	575132002	4/5/2022	Cesium-134	-1.05E-01	1.02E+00	3.33E+00	pCi/L	
2142	578411001	5/2/2022	Cesium-134	-7.46E-01	7.61E-01	2.02E+00	pCi/L	
2142	581373001	5/31/2022	Cesium-134	9.86E-01	1.36E+00	4.71E+00	pCi/L	
2142	584135001	6/28/2022	Cesium-134	7.16E+00	2.21E+00	5.44E+00	pCi/L	
2142	587148002	7/26/2022	Cesium-134	-3.33E-02	1.33E+00	4.24E+00	pCi/L	
2142	590525001	8/22/2022	Cesium-134	-1.47E+00	1.05E+00	2.84E+00	pCi/L	
2142	593606002	9/19/2022	Cesium-134	-1.23E-01	1.38E+00	4.41E+00	pCi/L	
2142	597079002	10/18/2022	Cesium-134	5.08E-01	1.07E+00	3.72E+00	pCi/L	
2142	600678002	11/15/2022	Cesium-134	1.05E+00	8.36E-01	3.04E+00	pCi/L	
2142	603753002	12/13/2022	Cesium-134	3.96E-01	5.99E-01	1.98E+00	pCi/L	
2142	566830001	1/10/2022	Cesium-137	-6.81E-01	9.11E-01	2.76E+00	pCi/L	
2142	569536003	2/8/2022	Cesium-137	3.88E-01	4.36E-01	1.50E+00	pCi/L	
2142	572311002	3/8/2022	Cesium-137	-3.20E-01	1.13E+00	3.10E+00	pCi/L	
2142	575132002	4/5/2022	Cesium-137	9.29E-01	8.43E-01	3.01E+00	pCi/L	
2142	578411001	5/2/2022	Cesium-137	4.18E-01	5.27E-01	1.80E+00	pCi/L	
2142	581373001	5/31/2022	Cesium-137	-1.41E+00	1.29E+00	3.58E+00	pCi/L	
2142	584135001	6/28/2022	Cesium-137	-7.30E+00	2.32E+00	7.53E+00	pCi/L	
2142	587148002	7/26/2022	Cesium-137	-1.21E+00	1.07E+00	3.01E+00	pCi/L	
2142	590525001	8/22/2022	Cesium-137	4.97E-01	1.07E+00	3.63E+00	pCi/L	
2142	593606002	9/19/2022	Cesium-137	-5.49E-01	1.15E+00	3.57E+00	pCi/L	
2142	597079002	10/18/2022	Cesium-137	-4.87E-01	1.04E+00	3.34E+00	pCi/L	

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	600678002	11/15/2022	Cesium-137	3.86E-01	8.67E-01	3.00E+00	pCi/L	
2142	603753002	12/13/2022	Cesium-137	3.03E-01	6.03E-01	1.99E+00	pCi/L	
2142	566830001	1/10/2022	Chromium-51	-2.66E+00	8.38E+00	2.79E+01	pCi/L	
2142	569536003	2/8/2022	Chromium-51	6.44E+00	4.60E+00	1.51E+01	pCi/L	
2142	572311002	3/8/2022	Chromium-51	-9.62E+00	1.10E+01	3.64E+01	pCi/L	
2142	575132002	4/5/2022	Chromium-51	-1.68E+00	1.00E+01	3.23E+01	pCi/L	
2142	578411001	5/2/2022	Chromium-51	2.04E+00	5.92E+00	2.05E+01	pCi/L	
2142	581373001	5/31/2022	Chromium-51	-8.63E+00	1.09E+01	3.48E+01	pCi/L	
2142	584135001	6/28/2022	Chromium-51	1.49E+01	1.20E+01	4.28E+01	pCi/L	
2142	587148002	7/26/2022	Chromium-51	-8.77E-01	1.16E+01	3.56E+01	pCi/L	
2142	590525001	8/22/2022	Chromium-51	-6.77E+00	9.59E+00	2.79E+01	pCi/L	
2142	593606002	9/19/2022	Chromium-51	-4.23E+00	1.24E+01	4.19E+01	pCi/L	
2142	597079002	10/18/2022	Chromium-51	-1.24E+00	1.01E+01	3.18E+01	pCi/L	
2142	600678002	11/15/2022	Chromium-51	1.58E+00	1.02E+01	3.29E+01	pCi/L	
2142	603753002	12/13/2022	Chromium-51	6.33E+00	5.48E+00	1.91E+01	pCi/L	
2142	566830001	1/10/2022	Cobalt-57	-3.51E-01	6.88E-01	2.19E+00	pCi/L	
2142	569536003	2/8/2022	Cobalt-57	9.17E-02	3.57E-01	1.18E+00	pCi/L	
2142	572311002	3/8/2022	Cobalt-57	3.22E-01	8.74E-01	2.87E+00	pCi/L	
2142	575132002	4/5/2022	Cobalt-57	8.70E-01	7.48E-01	2.64E+00	pCi/L	
2142	578411001	5/2/2022	Cobalt-57	3.98E-01	4.77E-01	1.58E+00	pCi/L	
2142	581373001	5/31/2022	Cobalt-57	6.18E-01	9.05E-01	3.02E+00	pCi/L	
2142	584135001	6/28/2022	Cobalt-57	9.19E-01	1.15E+00	4.07E+00	pCi/L	
2142	587148002	7/26/2022	Cobalt-57	2.00E+00	9.13E-01	3.33E+00	pCi/L	
2142	590525001	8/22/2022	Cobalt-57	9.88E-02	9.86E-01	3.19E+00	pCi/L	
2142	593606002	9/19/2022	Cobalt-57	1.00E+00	1.24E+00	4.19E+00	pCi/L	
2142	597079002	10/18/2022	Cobalt-57	4.82E-01	9.33E-01	2.99E+00	pCi/L	
2142	600678002	11/15/2022	Cobalt-57	1.36E+00	8.37E-01	2.89E+00	pCi/L	
2142	603753002	12/13/2022	Cobalt-57	2.30E-01	5.39E-01	1.74E+00	pCi/L	
2142	566830001	1/10/2022	Cobalt-58	-1.73E+00	7.85E-01	2.24E+00	pCi/L	
2142	569536003	2/8/2022	Cobalt-58	-2.84E-02	4.42E-01	1.45E+00	pCi/L	
2142	572311002	3/8/2022	Cobalt-58	2.52E-01	1.00E+00	3.28E+00	pCi/L	
2142	575132002	4/5/2022	Cobalt-58	-3.29E-01	8.24E-01	2.63E+00	pCi/L	
2142	578411001	5/2/2022	Cobalt-58	9.45E-01	6.38E-01	2.24E+00	pCi/L	
2142	581373001	5/31/2022	Cobalt-58	1.02E+00	1.75E+00	5.62E+00	pCi/L	
2142	584135001	6/28/2022	Cobalt-58	3.85E-01	1.33E+00	3.94E+00	pCi/L	
2142	587148002	7/26/2022	Cobalt-58	1.48E+00	8.11E-01	3.30E+00	pCi/L	
2142	590525001	8/22/2022	Cobalt-58	5.39E-01	8.45E-01	2.92E+00	pCi/L	
2142	593606002	9/19/2022	Cobalt-58	2.85E-01	1.33E+00	4.39E+00	pCi/L	
2142	597079002	10/18/2022	Cobalt-58	1.02E+00	9.81E-01	3.58E+00	pCi/L	
2142	600678002	11/15/2022	Cobalt-58	5.51E-01	9.09E-01	3.16E+00	pCi/L	
2142	603753002	12/13/2022	Cobalt-58	5.07E-02	5.75E-01	1.84E+00	pCi/L	
2142	566830001	1/10/2022	Cobalt-60	-7.19E-01	9.70E-01	2.44E+00	pCi/L	
2142	569536003	2/8/2022	Cobalt-60	6.71E-01	4.17E-01	1.55E+00	pCi/L	
2142	572311002	3/8/2022	Cobalt-60	1.30E+00	9.63E-01	3.58E+00	pCi/L	
2142	575132002	4/5/2022	Cobalt-60	6.67E-01	8.89E-01	3.17E+00	pCi/L	
2142	578411001	5/2/2022	Cobalt-60	6.43E-01	5.67E-01	2.05E+00	pCi/L	

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	581373001	5/31/2022	Cobalt-60	-1.78E+00	1.78E+00	5.06E+00	pCi/L	
2142	584135001	6/28/2022	Cobalt-60	2.40E+00	1.08E+00	4.73E+00	pCi/L	
2142	587148002	7/26/2022	Cobalt-60	-6.26E-03	1.08E+00	3.56E+00	pCi/L	
2142	590525001	8/22/2022	Cobalt-60	-9.28E-01	7.78E-01	2.06E+00	pCi/L	
2142	593606002	9/19/2022	Cobalt-60	-1.68E+00	1.27E+00	3.30E+00	pCi/L	
2142	597079002	10/18/2022	Cobalt-60	1.39E+00	9.77E-01	3.76E+00	pCi/L	
2142	600678002	11/15/2022	Cobalt-60	2.15E+00	8.61E-01	3.41E+00	pCi/L	
2142	603753002	12/13/2022	Cobalt-60	-5.32E-01	5.17E-01	1.59E+00	pCi/L	
2142	566830001	1/10/2022	Iodine-131	4.21E+00	1.96E+00	7.13E+00	pCi/L	
2142	569536003	2/8/2022	Iodine-131	6.08E-01	1.33E+00	4.22E+00	pCi/L	
2142	572311002	3/8/2022	Iodine-131	1.32E+00	4.03E+00	1.38E+01	pCi/L	
2142	578411001	5/2/2022	Iodine-131	2.88E+00	1.95E+00	6.98E+00	pCi/L	
2142	581373001	5/31/2022	Iodine-131	1.02E+00	2.97E+00	9.77E+00	pCi/L	
2142	584135001	6/28/2022	Iodine-131	4.97E+00	2.46E+00	9.18E+00	pCi/L	
2142	590525001	8/22/2022	Iodine-131	1.38E+00	1.42E+00	5.06E+00	pCi/L	
2142	593606002	9/19/2022	Iodine-131	9.68E-01	2.39E+00	8.34E+00	pCi/L	
2142	597079002	10/18/2022	Iodine-131	-1.71E+00	2.04E+00	6.04E+00	pCi/L	
2142	600678002	11/15/2022	Iodine-131	1.77E+00	3.16E+00	9.33E+00	pCi/L	
2142	603753002	12/13/2022	Iodine-131	-1.07E-01	1.09E+00	3.65E+00	pCi/L	
2142	566830001	1/10/2022	Iron-59	-2.84E-01	1.64E+00	5.29E+00	pCi/L	
2142	569536003	2/8/2022	Iron-59	3.48E-01	9.39E-01	3.08E+00	pCi/L	
2142	572311002	3/8/2022	Iron-59	-3.59E-01	2.10E+00	6.14E+00	pCi/L	
2142	575132002	4/5/2022	Iron-59	-2.13E+00	2.29E+00	6.83E+00	pCi/L	
2142	578411001	5/2/2022	Iron-59	-4.59E-01	1.31E+00	4.33E+00	pCi/L	
2142	581373001	5/31/2022	Iron-59	-9.41E-01	3.18E+00	1.02E+01	pCi/L	
2142	584135001	6/28/2022	Iron-59	-4.13E-01	2.64E+00	8.25E+00	pCi/L	
2142	587148002	7/26/2022	Iron-59	2.02E+00	2.25E+00	8.32E+00	pCi/L	
2142	590525001	8/22/2022	Iron-59	3.68E+00	2.12E+00	8.19E+00	pCi/L	
2142	593606002	9/19/2022	Iron-59	2.49E+00	2.28E+00	8.74E+00	pCi/L	
2142	597079002	10/18/2022	Iron-59	1.54E-01	1.79E+00	5.85E+00	pCi/L	
2142	600678002	11/15/2022	Iron-59	1.28E+00	1.73E+00	5.90E+00	pCi/L	
2142	603753002	12/13/2022	Iron-59	-6.95E-01	1.21E+00	3.42E+00	pCi/L	
2142	566830001	1/10/2022	Lanthanum-140	1.23E+00	1.89E+00	6.65E+00	pCi/L	
2142	569536003	2/8/2022	Lanthanum-140	-1.05E+00	1.57E+00	3.17E+00	pCi/L	
2142	572311002	3/8/2022	Lanthanum-140	-1.35E+00	2.89E+00	9.05E+00	pCi/L	
2142	575132002	4/5/2022	Lanthanum-140	3.42E+00	2.58E+00	9.47E+00	pCi/L	
2142	578411001	5/2/2022	Lanthanum-140	5.79E-01	1.65E+00	5.57E+00	pCi/L	
2142	581373001	5/31/2022	Lanthanum-140	-2.82E+00	2.29E+00	5.34E+00	pCi/L	
2142	584135001	6/28/2022	Lanthanum-140	6.63E-01	2.30E+00	7.87E+00	pCi/L	
2142	587148002	7/26/2022	Lanthanum-140	1.75E+00	2.28E+00	8.24E+00	pCi/L	
2142	590525001	8/22/2022	Lanthanum-140	-1.03E+00	1.62E+00	4.08E+00	pCi/L	
2142	593606002	9/19/2022	Lanthanum-140	2.70E+00	2.17E+00	8.42E+00	pCi/L	
2142	597079002	10/18/2022	Lanthanum-140	-5.92E-01	1.55E+00	4.91E+00	pCi/L	
2142	600678002	11/15/2022	Lanthanum-140	-1.49E+00	2.00E+00	5.96E+00	pCi/L	
2142	603753002	12/13/2022	Lanthanum-140	1.28E-01	9.72E-01	3.21E+00	pCi/L	
2142	566830001	1/10/2022	Lead-210	-3.02E+02	1.86E+02	4.29E+02	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	569536003	2/8/2022	Lead-210	9.98E+00	2.57E+01	5.95E+01	pCi/L	U
2142	572311002	3/8/2022	Lead-210	-4.43E+02	4.15E+02	1.34E+03	pCi/L	U
2142	575132002	4/5/2022	Lead-210	-1.50E+01	3.69E+02	1.09E+03	pCi/L	U
2142	578411001	5/2/2022	Lead-210	6.23E+01	9.88E+01	1.75E+02	pCi/L	U
2142	581373001	5/31/2022	Lead-210	-6.04E+01	3.11E+01	1.04E+02	pCi/L	U
2142	584135001	6/28/2022	Lead-210	-9.00E+00	4.06E+02	1.19E+03	pCi/L	U
2142	587148002	7/26/2022	Lead-210	-9.14E+02	4.66E+02	1.24E+03	pCi/L	U
2142	590525001	8/22/2022	Lead-210	7.23E+02	3.55E+02	4.56E+02	pCi/L	UI
2142	593606002	9/19/2022	Lead-210	-5.31E+02	6.77E+02	2.10E+03	pCi/L	U
2142	597079002	10/18/2022	Lead-210	5.74E+01	6.23E+01	1.13E+02	pCi/L	U
2142	600678002	11/15/2022	Lead-210	-6.08E+02	3.09E+02	7.41E+02	pCi/L	U
2142	603753002	12/13/2022	Lead-210	1.53E+02	1.63E+02	5.50E+02	pCi/L	U
2142	566830001	1/10/2022	Lead-212	5.59E-03	2.29E+00	6.23E+00	pCi/L	U
2142	569536003	2/8/2022	Lead-212	-5.29E-01	1.61E+00	4.06E+00	pCi/L	U
2142	572311002	3/8/2022	Lead-212	1.29E+00	3.82E+00	8.38E+00	pCi/L	U
2142	575132002	4/5/2022	Lead-212	1.49E-01	3.71E+00	4.80E+00	pCi/L	U
2142	578411001	5/2/2022	Lead-212	4.76E+00	2.02E+00	4.33E+00	pCi/L	UI
2142	581373001	5/31/2022	Lead-212	3.86E+00	3.89E+00	8.80E+00	pCi/L	U
2142	584135001	6/28/2022	Lead-212	-1.87E+00	3.22E+00	1.03E+01	pCi/L	U
2142	587148002	7/26/2022	Lead-212	2.44E+00	3.76E+00	8.76E+00	pCi/L	U
2142	590525001	8/22/2022	Lead-212	4.57E+00	4.35E+00	5.90E+00	pCi/L	U
2142	593606002	9/19/2022	Lead-212	2.55E+00	2.92E+00	9.79E+00	pCi/L	U
2142	597079002	10/18/2022	Lead-212	2.17E+00	3.44E+00	9.01E+00	pCi/L	U
2142	600678002	11/15/2022	Lead-212	3.96E+00	3.88E+00	6.52E+00	pCi/L	U
2142	603753002	12/13/2022	Lead-212	1.43E+00	2.23E+00	3.46E+00	pCi/L	U
2142	566830001	1/10/2022	Lead-214	2.43E+00	2.34E+00	6.79E+00	pCi/L	U
2142	569536003	2/8/2022	Lead-214	1.33E+00	2.07E+00	3.06E+00	pCi/L	U
2142	572311002	3/8/2022	Lead-214	6.87E-01	3.90E+00	8.24E+00	pCi/L	U
2142	575132002	4/5/2022	Lead-214	-1.27E+00	2.62E+00	7.70E+00	pCi/L	U
2142	578411001	5/2/2022	Lead-214	3.92E+00	2.83E+00	5.40E+00	pCi/L	U
2142	581373001	5/31/2022	Lead-214	1.53E+01	5.71E+00	9.22E+00	pCi/L	UI
2142	584135001	6/28/2022	Lead-214	1.57E+01	5.66E+00	1.32E+01	pCi/L	UI
2142	587148002	7/26/2022	Lead-214	7.97E+00	3.59E+00	1.25E+01	pCi/L	U
2142	590525001	8/22/2022	Lead-214	1.16E+01	4.99E+00	1.14E+01	pCi/L	UI
2142	593606002	9/19/2022	Lead-214	5.44E+00	8.75E+00	1.60E+01	pCi/L	U
2142	597079002	10/18/2022	Lead-214	8.04E+00	5.21E+00	1.01E+01	pCi/L	U
2142	600678002	11/15/2022	Lead-214	4.04E+00	3.04E+00	7.61E+00	pCi/L	U
2142	603753002	12/13/2022	Lead-214	1.33E+01	2.75E+00	6.28E+00	pCi/L	UI
2142	566830001	1/10/2022	Manganese-54	1.06E+00	7.38E-01	2.52E+00	pCi/L	U
2142	569536003	2/8/2022	Manganese-54	8.72E-01	4.46E-01	1.59E+00	pCi/L	U
2142	572311002	3/8/2022	Manganese-54	-6.28E-01	8.58E-01	2.59E+00	pCi/L	U
2142	575132002	4/5/2022	Manganese-54	-5.67E-01	1.11E+00	3.08E+00	pCi/L	U
2142	578411001	5/2/2022	Manganese-54	-1.11E+00	5.42E-01	1.50E+00	pCi/L	U
2142	581373001	5/31/2022	Manganese-54	4.61E-01	1.73E+00	5.57E+00	pCi/L	U
2142	584135001	6/28/2022	Manganese-54	1.64E+00	1.03E+00	3.95E+00	pCi/L	U
2142	587148002	7/26/2022	Manganese-54	8.24E-01	1.18E+00	4.05E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	590525001	8/22/2022	Manganese-54	-6.65E-01	1.04E+00	3.14E+00	pCi/L	U
2142	593606002	9/19/2022	Manganese-54	-1.75E+00	1.39E+00	3.85E+00	pCi/L	U
2142	597079002	10/18/2022	Manganese-54	-1.06E+00	1.06E+00	2.94E+00	pCi/L	U
2142	600678002	11/15/2022	Manganese-54	9.52E-01	7.89E-01	2.85E+00	pCi/L	U
2142	603753002	12/13/2022	Manganese-54	-2.83E-01	5.54E-01	1.72E+00	pCi/L	U
2142	566830001	1/10/2022	Molybdenum-99	1.99E+01	1.01E+02	3.46E+02	pCi/L	U
2142	569536003	2/8/2022	Molybdenum-99	1.77E+02	1.82E+02	3.19E+02	pCi/L	U
2142	572311002	3/8/2022	Molybdenum-99	7.59E+02	5.48E+02	1.95E+03	pCi/L	U
2142	575132002	4/5/2022	Molybdenum-99	7.51E+01	2.97E+02	1.00E+03	pCi/L	U
2142	578411001	5/2/2022	Molybdenum-99	9.67E+01	2.07E+02	6.92E+02	pCi/L	U
2142	581373001	5/31/2022	Molybdenum-99	1.53E+02	1.05E+02	3.87E+02	pCi/L	U
2142	584135001	6/28/2022	Molybdenum-99	1.31E+02	7.98E+01	2.95E+02	pCi/L	U
2142	587148002	7/26/2022	Molybdenum-99	1.07E+02	8.52E+01	3.12E+02	pCi/L	U
2142	590525001	8/22/2022	Molybdenum-99	3.90E+01	1.95E+01	7.52E+01	pCi/L	U
2142	593606002	9/19/2022	Molybdenum-99	-1.72E+01	4.36E+01	1.34E+02	pCi/L	U
2142	597079002	10/18/2022	Molybdenum-99	-4.87E+01	4.92E+01	1.46E+02	pCi/L	U
2142	600678002	11/15/2022	Molybdenum-99	-1.19E+02	1.94E+02	6.21E+02	pCi/L	U
2142	603753002	12/13/2022	Molybdenum-99	1.70E-02	3.53E+01	1.13E+02	pCi/L	U
2142	566830001	1/10/2022	Niobium-95	1.01E+00	8.59E-01	3.09E+00	pCi/L	U
2142	569536003	2/8/2022	Niobium-95	2.78E-01	4.65E-01	1.57E+00	pCi/L	U
2142	572311002	3/8/2022	Niobium-95	3.04E-01	1.05E+00	3.45E+00	pCi/L	U
2142	575132002	4/5/2022	Niobium-95	1.29E+00	1.03E+00	3.66E+00	pCi/L	U
2142	578411001	5/2/2022	Niobium-95	2.20E+00	1.00E+00	2.07E+00	pCi/L	M
2142	581373001	5/31/2022	Niobium-95	-3.87E-01	1.79E+00	5.56E+00	pCi/L	U
2142	584135001	6/28/2022	Niobium-95	-9.04E-01	1.62E+00	4.89E+00	pCi/L	U
2142	587148002	7/26/2022	Niobium-95	3.29E+00	1.35E+00	5.27E+00	pCi/L	U
2142	590525001	8/22/2022	Niobium-95	-1.14E+00	1.20E+00	3.63E+00	pCi/L	U
2142	593606002	9/19/2022	Niobium-95	9.22E-01	1.54E+00	5.24E+00	pCi/L	U
2142	597079002	10/18/2022	Niobium-95	1.24E+00	1.14E+00	4.12E+00	pCi/L	U
2142	600678002	11/15/2022	Niobium-95	1.47E-01	1.21E+00	3.48E+00	pCi/L	U
2142	603753002	12/13/2022	Niobium-95	-1.30E+00	8.55E-01	2.02E+00	pCi/L	U
2142	566830001	1/10/2022	Potassium-40	-1.90E+01	1.35E+01	3.90E+01	pCi/L	U
2142	569536003	2/8/2022	Potassium-40	-5.41E+00	8.84E+00	2.15E+01	pCi/L	U
2142	572311002	3/8/2022	Potassium-40	-2.54E+01	1.46E+01	4.91E+01	pCi/L	U
2142	575132002	4/5/2022	Potassium-40	3.32E+01	1.71E+01	2.60E+01	pCi/L	UI
2142	578411001	5/2/2022	Potassium-40	3.02E+00	1.35E+01	2.17E+01	pCi/L	U
2142	581373001	5/31/2022	Potassium-40	3.42E+00	2.06E+01	7.14E+01	pCi/L	U
2142	584135001	6/28/2022	Potassium-40	-2.17E+01	1.92E+01	5.86E+01	pCi/L	U
2142	587148002	7/26/2022	Potassium-40	5.54E+01	2.63E+01	3.98E+01	pCi/L	UI
2142	590525001	8/22/2022	Potassium-40	-4.80E+01	1.57E+01	4.43E+01	pCi/L	U
2142	593606002	9/19/2022	Potassium-40	6.13E+01	2.73E+01	4.04E+01	pCi/L	UI
2142	597079002	10/18/2022	Potassium-40	-2.99E+01	1.48E+01	4.91E+01	pCi/L	U
2142	600678002	11/15/2022	Potassium-40	3.40E+01	1.13E+01	2.46E+01	pCi/L	U
2142	603753002	12/13/2022	Potassium-40	-1.37E+01	1.11E+01	2.77E+01	pCi/L	U
2142	566830001	1/10/2022	Radium-226	8.45E+00	3.26E+01	5.65E+01	pCi/L	U
2142	569536003	2/8/2022	Radium-226	1.14E+01	2.12E+01	2.75E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	572311002	3/8/2022	Radium-226	6.46E+01	4.23E+01	6.67E+01	pCi/L	U
2142	575132002	4/5/2022	Radium-226	-1.73E+01	2.93E+01	9.21E+01	pCi/L	U
2142	578411001	5/2/2022	Radium-226	1.59E+00	2.61E+01	3.60E+01	pCi/L	U
2142	581373001	5/31/2022	Radium-226	9.51E+01	4.34E+01	6.53E+01	pCi/L	UI
2142	584135001	6/28/2022	Radium-226	-2.78E+01	3.86E+01	1.28E+02	pCi/L	U
2142	587148002	7/26/2022	Radium-226	-9.00E-02	3.23E+01	1.09E+02	pCi/L	U
2142	590525001	8/22/2022	Radium-226	6.32E+01	4.81E+01	8.01E+01	pCi/L	U
2142	593606002	9/19/2022	Radium-226	1.20E+02	7.85E+01	8.38E+01	pCi/L	UI
2142	597079002	10/18/2022	Radium-226	5.67E+01	4.51E+01	7.07E+01	pCi/L	U
2142	600678002	11/15/2022	Radium-226	1.82E+01	3.26E+01	5.97E+01	pCi/L	U
2142	603753002	12/13/2022	Radium-226	-5.95E+01	2.45E+01	6.29E+01	pCi/L	U
2142	566830001	1/10/2022	Radium-228	2.71E-01	3.97E+00	1.19E+01	pCi/L	U
2142	569536003	2/8/2022	Radium-228	3.23E+00	3.46E+00	5.65E+00	pCi/L	U
2142	572311002	3/8/2022	Radium-228	3.10E+00	5.92E+00	1.36E+01	pCi/L	U
2142	575132002	4/5/2022	Radium-228	-1.41E+00	4.52E+00	1.24E+01	pCi/L	U
2142	578411001	5/2/2022	Radium-228	1.60E+01	4.31E+00	8.83E+00	pCi/L	UI
2142	581373001	5/31/2022	Radium-228	-4.61E+00	6.29E+00	1.94E+01	pCi/L	U
2142	584135001	6/28/2022	Radium-228	3.70E+00	6.61E+00	2.15E+01	pCi/L	U
2142	587148002	7/26/2022	Radium-228	-8.19E+00	5.29E+00	1.65E+01	pCi/L	U
2142	590525001	8/22/2022	Radium-228	1.44E+00	6.36E+00	1.79E+01	pCi/L	U
2142	593606002	9/19/2022	Radium-228	2.11E+01	1.12E+01	2.23E+01	pCi/L	U
2142	597079002	10/18/2022	Radium-228	5.09E+00	5.69E+00	1.79E+01	pCi/L	U
2142	600678002	11/15/2022	Radium-228	7.72E+00	4.03E+00	9.63E+00	pCi/L	U
2142	603753002	12/13/2022	Radium-228	3.32E+00	4.48E+00	5.94E+00	pCi/L	U
2142	566830001	1/10/2022	Ruthenium-103	5.20E-01	8.83E-01	2.69E+00	pCi/L	U
2142	569536003	2/8/2022	Ruthenium-103	-6.06E-02	4.78E-01	1.61E+00	pCi/L	U
2142	572311002	3/8/2022	Ruthenium-103	2.55E-01	1.25E+00	4.19E+00	pCi/L	U
2142	575132002	4/5/2022	Ruthenium-103	-2.25E-01	1.17E+00	3.68E+00	pCi/L	U
2142	578411001	5/2/2022	Ruthenium-103	1.01E+00	6.25E-01	2.23E+00	pCi/L	U
2142	581373001	5/31/2022	Ruthenium-103	-8.97E-01	1.57E+00	4.94E+00	pCi/L	U
2142	584135001	6/28/2022	Ruthenium-103	-7.65E-01	1.50E+00	4.71E+00	pCi/L	U
2142	587148002	7/26/2022	Ruthenium-103	-2.63E+00	1.28E+00	3.50E+00	pCi/L	U
2142	590525001	8/22/2022	Ruthenium-103	-1.11E-01	1.05E+00	3.46E+00	pCi/L	U
2142	593606002	9/19/2022	Ruthenium-103	-1.15E+00	1.41E+00	4.42E+00	pCi/L	U
2142	597079002	10/18/2022	Ruthenium-103	1.52E+00	1.11E+00	3.38E+00	pCi/L	U
2142	600678002	11/15/2022	Ruthenium-103	-9.88E-01	1.17E+00	3.53E+00	pCi/L	U
2142	603753002	12/13/2022	Ruthenium-103	-1.01E+00	5.57E-01	1.70E+00	pCi/L	U
2142	566830001	1/10/2022	Ruthenium-106	-8.90E-01	6.98E+00	2.21E+01	pCi/L	U
2142	569536003	2/8/2022	Ruthenium-106	6.28E-01	3.85E+00	1.29E+01	pCi/L	U
2142	572311002	3/8/2022	Ruthenium-106	-8.55E+00	8.09E+00	2.47E+01	pCi/L	U
2142	575132002	4/5/2022	Ruthenium-106	-6.98E+00	7.47E+00	2.37E+01	pCi/L	U
2142	578411001	5/2/2022	Ruthenium-106	4.25E+00	5.30E+00	1.81E+01	pCi/L	U
2142	581373001	5/31/2022	Ruthenium-106	3.01E+00	1.24E+01	4.10E+01	pCi/L	U
2142	584135001	6/28/2022	Ruthenium-106	1.93E+01	1.23E+01	4.49E+01	pCi/L	U
2142	587148002	7/26/2022	Ruthenium-106	-1.49E+01	1.02E+01	2.84E+01	pCi/L	U
2142	590525001	8/22/2022	Ruthenium-106	2.30E+01	1.62E+01	3.22E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	593606002	9/19/2022	Ruthenium-106	1.00E+01	1.14E+01	4.03E+01	pCi/L	U
2142	597079002	10/18/2022	Ruthenium-106	1.22E+01	7.33E+00	2.85E+01	pCi/L	U
2142	600678002	11/15/2022	Ruthenium-106	4.22E+01	2.43E+01	2.68E+01	pCi/L	UI
2142	603753002	12/13/2022	Ruthenium-106	4.66E+00	4.67E+00	1.59E+01	pCi/L	U
2142	566830001	1/10/2022	Selenium-75	-2.48E-01	1.02E+00	3.46E+00	pCi/L	U
2142	569536003	2/8/2022	Selenium-75	-9.30E-01	7.39E-01	1.73E+00	pCi/L	U
2142	572311002	3/8/2022	Selenium-75	1.28E+00	1.46E+00	4.71E+00	pCi/L	U
2142	575132002	4/5/2022	Selenium-75	-1.37E+00	1.38E+00	4.39E+00	pCi/L	U
2142	578411001	5/2/2022	Selenium-75	3.43E-02	7.78E-01	2.43E+00	pCi/L	U
2142	581373001	5/31/2022	Selenium-75	1.53E+00	1.49E+00	5.37E+00	pCi/L	U
2142	584135001	6/28/2022	Selenium-75	-2.08E+00	1.59E+00	4.89E+00	pCi/L	U
2142	587148002	7/26/2022	Selenium-75	-1.19E+00	1.67E+00	4.96E+00	pCi/L	U
2142	590525001	8/22/2022	Selenium-75	-1.65E+00	1.32E+00	4.26E+00	pCi/L	U
2142	593606002	9/19/2022	Selenium-75	4.83E-01	2.09E+00	6.65E+00	pCi/L	U
2142	597079002	10/18/2022	Selenium-75	2.88E+00	1.35E+00	4.87E+00	pCi/L	U
2142	600678002	11/15/2022	Selenium-75	-3.04E-01	1.27E+00	4.08E+00	pCi/L	U
2142	603753002	12/13/2022	Selenium-75	4.77E-01	7.27E-01	2.52E+00	pCi/L	U
2142	566830001	1/10/2022	Silver-108m	-6.19E-01	7.02E-01	2.21E+00	pCi/L	U
2142	569536003	2/8/2022	Silver-108m	1.39E-01	3.27E-01	1.13E+00	pCi/L	U
2142	572311002	3/8/2022	Silver-108m	-1.13E-01	7.58E-01	2.53E+00	pCi/L	U
2142	575132002	4/5/2022	Silver-108m	-3.80E-01	7.82E-01	2.43E+00	pCi/L	U
2142	578411001	5/2/2022	Silver-108m	6.66E-01	4.57E-01	1.63E+00	pCi/L	U
2142	581373001	5/31/2022	Silver-108m	2.35E+00	1.21E+00	4.27E+00	pCi/L	U
2142	584135001	6/28/2022	Silver-108m	-1.54E+00	1.09E+00	3.18E+00	pCi/L	U
2142	587148002	7/26/2022	Silver-108m	-2.81E-01	8.89E-01	2.90E+00	pCi/L	U
2142	590525001	8/22/2022	Silver-108m	-5.32E-01	9.04E-01	2.91E+00	pCi/L	U
2142	593606002	9/19/2022	Silver-108m	1.59E+00	1.12E+00	4.13E+00	pCi/L	U
2142	597079002	10/18/2022	Silver-108m	-4.27E-01	8.80E-01	2.62E+00	pCi/L	U
2142	600678002	11/15/2022	Silver-108m	1.04E+00	8.07E-01	2.74E+00	pCi/L	U
2142	603753002	12/13/2022	Silver-108m	3.70E-01	4.88E-01	1.66E+00	pCi/L	U
2142	566830001	1/10/2022	Silver-110m	8.91E-01	1.06E+00	3.72E+00	pCi/L	U
2142	569536003	2/8/2022	Silver-110m	7.56E-01	5.57E-01	1.95E+00	pCi/L	U
2142	572311002	3/8/2022	Silver-110m	-9.90E-01	1.30E+00	3.88E+00	pCi/L	U
2142	575132002	4/5/2022	Silver-110m	-1.08E+00	1.19E+00	3.63E+00	pCi/L	U
2142	578411001	5/2/2022	Silver-110m	-2.58E-01	6.79E-01	2.11E+00	pCi/L	U
2142	581373001	5/31/2022	Silver-110m	1.93E-02	2.11E+00	7.14E+00	pCi/L	U
2142	584135001	6/28/2022	Silver-110m	-1.18E-02	1.82E+00	5.10E+00	pCi/L	U
2142	587148002	7/26/2022	Silver-110m	-1.41E+00	1.56E+00	4.34E+00	pCi/L	U
2142	590525001	8/22/2022	Silver-110m	-8.98E-01	1.68E+00	4.43E+00	pCi/L	U
2142	593606002	9/19/2022	Silver-110m	-6.18E-01	1.54E+00	4.01E+00	pCi/L	U
2142	597079002	10/18/2022	Silver-110m	3.19E-01	1.19E+00	4.05E+00	pCi/L	U
2142	600678002	11/15/2022	Silver-110m	2.91E+00	2.07E+00	4.31E+00	pCi/L	U
2142	603753002	12/13/2022	Silver-110m	-5.74E-01	7.79E-01	2.37E+00	pCi/L	U
2142	566830001	1/10/2022	Tellurium-132	-1.04E+01	7.25E+00	2.38E+01	pCi/L	U
2142	569536003	2/8/2022	Tellurium-132	-8.22E+00	6.54E+00	2.01E+01	pCi/L	U
2142	572311002	3/8/2022	Tellurium-132	1.32E+01	3.84E+01	1.23E+02	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2142	575132002	4/5/2022	Tellurium-132	2.12E+01	2.02E+01	6.96E+01	pCi/L	U
2142	578411001	5/2/2022	Tellurium-132	1.00E+01	1.51E+01	4.84E+01	pCi/L	U
2142	581373001	5/31/2022	Tellurium-132	6.23E+00	7.27E+00	2.39E+01	pCi/L	U
2142	584135001	6/28/2022	Tellurium-132	-9.05E+00	6.51E+00	2.05E+01	pCi/L	U
2142	587148002	7/26/2022	Tellurium-132	-1.45E+00	7.51E+00	2.34E+01	pCi/L	U
2142	590525001	8/22/2022	Tellurium-132	-4.23E+00	2.27E+00	6.32E+00	pCi/L	U
2142	593606002	9/19/2022	Tellurium-132	-8.44E+00	5.29E+00	1.49E+01	pCi/L	U
2142	597079002	10/18/2022	Tellurium-132	-4.96E+00	5.62E+00	1.75E+01	pCi/L	U
2142	600678002	11/15/2022	Tellurium-132	-2.65E+01	1.63E+01	4.97E+01	pCi/L	U
2142	603753002	12/13/2022	Tellurium-132	3.71E+00	2.91E+00	1.03E+01	pCi/L	U
2142	566830001	1/10/2022	Thallium-208	7.93E-01	1.54E+00	2.33E+00	pCi/L	U
2142	569536003	2/8/2022	Thallium-208	-1.95E+00	8.34E-01	2.07E+00	pCi/L	U
2142	572311002	3/8/2022	Thallium-208	3.81E-01	1.82E+00	2.90E+00	pCi/L	U
2142	575132002	4/5/2022	Thallium-208	3.26E+00	1.73E+00	2.55E+00	pCi/L	UI
2142	578411001	5/2/2022	Thallium-208	-8.54E-01	1.08E+00	2.33E+00	pCi/L	U
2142	581373001	5/31/2022	Thallium-208	2.50E-01	2.27E+00	5.28E+00	pCi/L	U
2142	584135001	6/28/2022	Thallium-208	1.52E+00	1.58E+00	5.65E+00	pCi/L	U
2142	587148002	7/26/2022	Thallium-208	2.99E+00	2.62E+00	3.62E+00	pCi/L	U
2142	590525001	8/22/2022	Thallium-208	2.02E+00	1.75E+00	3.12E+00	pCi/L	U
2142	593606002	9/19/2022	Thallium-208	-1.87E+00	1.67E+00	4.94E+00	pCi/L	U
2142	597079002	10/18/2022	Thallium-208	-1.26E+00	1.43E+00	4.49E+00	pCi/L	U
2142	600678002	11/15/2022	Thallium-208	-9.81E-01	1.17E+00	3.47E+00	pCi/L	U
2142	603753002	12/13/2022	Thallium-208	1.72E-01	1.94E+00	1.80E+00	pCi/L	U
2142	566830001	1/10/2022	Thorium-228	5.59E-03	2.29E+00	6.23E+00	pCi/L	U
2142	569536003	2/8/2022	Thorium-228	-5.29E-01	1.61E+00	4.06E+00	pCi/L	U
2142	572311002	3/8/2022	Thorium-228	1.29E+00	3.82E+00	8.38E+00	pCi/L	U
2142	575132002	4/5/2022	Thorium-228	1.49E-01	3.71E+00	4.80E+00	pCi/L	U
2142	578411001	5/2/2022	Thorium-228	4.76E+00	2.02E+00	4.33E+00	pCi/L	UI
2142	581373001	5/31/2022	Thorium-228	3.86E+00	3.89E+00	8.80E+00	pCi/L	U
2142	584135001	6/28/2022	Thorium-228	-1.87E+00	3.22E+00	1.03E+01	pCi/L	U
2142	587148002	7/26/2022	Thorium-228	2.44E+00	3.76E+00	8.76E+00	pCi/L	U
2142	590525001	8/22/2022	Thorium-228	4.57E+00	4.35E+00	5.90E+00	pCi/L	U
2142	593606002	9/19/2022	Thorium-228	2.55E+00	2.92E+00	9.79E+00	pCi/L	U
2142	597079002	10/18/2022	Thorium-228	2.17E+00	3.44E+00	9.01E+00	pCi/L	U
2142	600678002	11/15/2022	Thorium-228	3.96E+00	3.88E+00	6.52E+00	pCi/L	U
2142	603753002	12/13/2022	Thorium-228	1.43E+00	2.23E+00	3.46E+00	pCi/L	U
2142	566830001	1/10/2022	Thorium-230	7.59E+02	4.55E+02	9.78E+02	pCi/L	U
2142	569536003	2/8/2022	Thorium-230	-1.94E+02	1.06E+02	3.42E+02	pCi/L	U
2142	572311002	3/8/2022	Thorium-230	9.93E+02	8.36E+02	1.59E+03	pCi/L	U
2142	575132002	4/5/2022	Thorium-230	2.09E+03	8.07E+02	1.45E+03	pCi/L	UI
2142	578411001	5/2/2022	Thorium-230	9.79E+02	3.21E+02	5.93E+02	pCi/L	UI
2142	581373001	5/31/2022	Thorium-230	-4.68E+02	2.36E+02	6.92E+02	pCi/L	U
2142	584135001	6/28/2022	Thorium-230	-5.95E+02	7.57E+02	2.09E+03	pCi/L	U
2142	587148002	7/26/2022	Thorium-230	-8.85E+02	5.67E+02	1.54E+03	pCi/L	U
2142	590525001	8/22/2022	Thorium-230	-1.01E+03	4.43E+02	1.32E+03	pCi/L	U
2142	593606002	9/19/2022	Thorium-230	2.72E+03	1.23E+03	2.46E+03	pCi/L	UI

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	597079002	10/18/2022	Thorium-230	-2.67E+02	2.75E+02	9.11E+02	pCi/L	U
2142	600678002	11/15/2022	Thorium-230	2.02E+03	9.19E+02	1.64E+03	pCi/L	UI
2142	603753002	12/13/2022	Thorium-230	1.41E+03	5.24E+02	9.72E+02	pCi/L	UI
2142	566830001	1/10/2022	Thorium-232	-8.30E+02	7.75E+02	2.12E+03	pCi/L	U
2142	569536003	2/8/2022	Thorium-232	-6.16E+02	2.55E+02	6.70E+02	pCi/L	U
2142	572311002	3/8/2022	Thorium-232	6.96E+02	1.15E+03	3.26E+03	pCi/L	U
2142	575132002	4/5/2022	Thorium-232	2.55E+03	1.67E+03	2.85E+03	pCi/L	U
2142	578411001	5/2/2022	Thorium-232	1.03E+01	5.79E+02	1.00E+03	pCi/L	U
2142	581373001	5/31/2022	Thorium-232	-1.50E+03	5.12E+02	1.88E+03	pCi/L	U
2142	584135001	6/28/2022	Thorium-232	-3.65E+02	1.55E+03	4.86E+03	pCi/L	U
2142	587148002	7/26/2022	Thorium-232	1.56E+03	1.28E+03	3.04E+03	pCi/L	U
2142	590525001	8/22/2022	Thorium-232	9.21E+02	1.64E+03	2.61E+03	pCi/L	U
2142	593606002	9/19/2022	Thorium-232	-1.15E+03	1.59E+03	4.63E+03	pCi/L	U
2142	597079002	10/18/2022	Thorium-232	6.47E+02	8.55E+02	1.47E+03	pCi/L	U
2142	600678002	11/15/2022	Thorium-232	2.10E+03	1.72E+03	2.90E+03	pCi/L	U
2142	603753002	12/13/2022	Thorium-232	2.77E+02	1.16E+03	1.66E+03	pCi/L	U
2142	566830001	1/10/2022	Thorium-234	-2.83E+01	5.58E+01	1.56E+02	pCi/L	U
2142	569536003	2/8/2022	Thorium-234	-3.05E+01	1.82E+01	4.86E+01	pCi/L	U
2142	572311002	3/8/2022	Thorium-234	-1.46E+01	8.51E+01	2.34E+02	pCi/L	U
2142	575132002	4/5/2022	Thorium-234	1.79E+02	1.17E+02	2.89E+02	pCi/L	U
2142	578411001	5/2/2022	Thorium-234	7.24E-01	4.07E+01	7.21E+01	pCi/L	U
2142	581373001	5/31/2022	Thorium-234	-7.80E+01	3.60E+01	1.35E+02	pCi/L	U
2142	584135001	6/28/2022	Thorium-234	-3.70E+01	1.12E+02	3.50E+02	pCi/L	U
2142	587148002	7/26/2022	Thorium-234	1.09E+02	8.99E+01	2.21E+02	pCi/L	U
2142	590525001	8/22/2022	Thorium-234	6.47E+01	1.15E+02	2.21E+02	pCi/L	U
2142	593606002	9/19/2022	Thorium-234	-4.76E+01	1.13E+02	3.34E+02	pCi/L	U
2142	597079002	10/18/2022	Thorium-234	4.54E+01	6.01E+01	1.04E+02	pCi/L	U
2142	600678002	11/15/2022	Thorium-234	1.48E+02	1.21E+02	2.09E+02	pCi/L	U
2142	603753002	12/13/2022	Thorium-234	1.95E+01	8.16E+01	1.63E+02	pCi/L	U
2142	578156002	3/8/2022	Tritium	3.43E+02	2.00E+02	6.01E+02	pCi/L	U
2142	592759001	6/28/2022	Tritium	-2.21E+02	1.20E+02	4.42E+02	pCi/L	U
2142	600459002	9/19/2022	Tritium	1.20E+02	2.08E+02	6.72E+02	pCi/L	U
2142	609540002	12/13/2022	Tritium	-3.21E+02	2.40E+02	8.19E+02	pCi/L	U
2142	566830001	1/10/2022	Uranium-234	4.40E+03	4.74E+03	7.55E+03	pCi/L	U
2142	569536003	2/8/2022	Uranium-234	-1.11E+02	6.47E+02	1.49E+03	pCi/L	U
2142	572311002	3/8/2022	Uranium-234	7.14E+03	5.14E+03	1.81E+04	pCi/L	U
2142	575132002	4/5/2022	Uranium-234	1.26E+04	9.02E+03	1.57E+04	pCi/L	U
2142	578411001	5/2/2022	Uranium-234	5.58E+01	1.15E+03	3.84E+03	pCi/L	U
2142	581373001	5/31/2022	Uranium-234	8.93E+02	8.53E+02	2.81E+03	pCi/L	U
2142	584135001	6/28/2022	Uranium-234	8.13E+02	5.69E+03	1.82E+04	pCi/L	U
2142	587148002	7/26/2022	Uranium-234	4.98E+03	5.27E+03	1.87E+04	pCi/L	U
2142	590525001	8/22/2022	Uranium-234	1.06E+04	5.62E+03	9.58E+03	pCi/L	UI
2142	593606002	9/19/2022	Uranium-234	9.03E+03	7.56E+03	2.70E+04	pCi/L	U
2142	597079002	10/18/2022	Uranium-234	1.51E+03	1.04E+03	3.80E+03	pCi/L	U
2142	600678002	11/15/2022	Uranium-234	1.18E+02	3.59E+03	1.20E+04	pCi/L	U
2142	603753002	12/13/2022	Uranium-234	5.62E+02	2.38E+03	7.86E+03	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2142	566830001	1/10/2022	Zinc-65	1.26E+00	1.63E+00	5.13E+00	pCi/L	U
2142	569536003	2/8/2022	Zinc-65	-2.03E+00	1.79E+00	2.70E+00	pCi/L	U
2142	572311002	3/8/2022	Zinc-65	6.60E-01	1.79E+00	5.58E+00	pCi/L	U
2142	575132002	4/5/2022	Zinc-65	-8.36E-01	2.08E+00	5.54E+00	pCi/L	U
2142	578411001	5/2/2022	Zinc-65	1.73E-02	1.16E+00	3.94E+00	pCi/L	U
2142	581373001	5/31/2022	Zinc-65	3.60E+00	3.51E+00	1.07E+01	pCi/L	U
2142	584135001	6/28/2022	Zinc-65	1.66E+00	2.79E+00	9.96E+00	pCi/L	U
2142	587148002	7/26/2022	Zinc-65	-2.82E+00	2.35E+00	6.61E+00	pCi/L	U
2142	590525001	8/22/2022	Zinc-65	-2.08E+00	1.68E+00	4.76E+00	pCi/L	U
2142	593606002	9/19/2022	Zinc-65	2.98E+00	3.03E+00	1.07E+01	pCi/L	U
2142	597079002	10/18/2022	Zinc-65	-1.73E+00	1.81E+00	3.96E+00	pCi/L	U
2142	600678002	11/15/2022	Zinc-65	7.94E-02	1.99E+00	5.78E+00	pCi/L	U
2142	603753002	12/13/2022	Zinc-65	-2.00E-01	1.31E+00	3.82E+00	pCi/L	U
2142	566830001	1/10/2022	Zirconium-95	-4.41E-02	1.42E+00	4.78E+00	pCi/L	U
2142	569536003	2/8/2022	Zirconium-95	7.99E-01	8.52E-01	2.67E+00	pCi/L	U
2142	572311002	3/8/2022	Zirconium-95	3.49E-01	1.65E+00	5.42E+00	pCi/L	U
2142	575132002	4/5/2022	Zirconium-95	5.28E-01	1.73E+00	5.84E+00	pCi/L	U
2142	578411001	5/2/2022	Zirconium-95	-7.06E-01	1.07E+00	3.33E+00	pCi/L	U
2142	581373001	5/31/2022	Zirconium-95	7.59E+00	2.35E+00	9.36E+00	pCi/L	U
2142	584135001	6/28/2022	Zirconium-95	4.24E+00	2.99E+00	7.27E+00	pCi/L	U
2142	587148002	7/26/2022	Zirconium-95	6.77E-01	1.42E+00	4.91E+00	pCi/L	U
2142	590525001	8/22/2022	Zirconium-95	-1.93E+00	1.98E+00	5.85E+00	pCi/L	U
2142	593606002	9/19/2022	Zirconium-95	-2.72E+00	2.38E+00	6.72E+00	pCi/L	U
2142	597079002	10/18/2022	Zirconium-95	1.43E+00	1.73E+00	6.21E+00	pCi/L	U
2142	600678002	11/15/2022	Zirconium-95	6.24E+00	2.62E+00	5.85E+00	pCi/L	UI
2142	603753002	12/13/2022	Zirconium-95	8.03E-01	1.01E+00	3.38E+00	pCi/L	U
3298	566834001	1/10/2022	Actinium-228	-3.45E+00	4.37E+00	1.25E+01	pCi/L	U
3298	569530001	2/7/2022	Actinium-228	-2.62E+00	2.99E+00	7.08E+00	pCi/L	U
3298	572307001	3/8/2022	Actinium-228	7.18E+00	5.33E+00	9.61E+00	pCi/L	U
3298	575136001	4/4/2022	Actinium-228	-2.96E+00	4.09E+00	1.14E+01	pCi/L	U
3298	578414001	5/2/2022	Actinium-228	-2.64E+00	3.48E+00	9.28E+00	pCi/L	U
3298	581369001	5/29/2022	Actinium-228	5.26E-01	7.92E+00	2.66E+01	pCi/L	U
3298	584139001	6/27/2022	Actinium-228	-5.97E+00	4.94E+00	1.52E+01	pCi/L	U
3298	587144001	7/26/2022	Actinium-228	3.06E+00	4.88E+00	1.57E+01	pCi/L	U
3298	590519001	8/22/2022	Actinium-228	1.96E+01	5.73E+00	1.75E+01	pCi/L	UI
3298	593610001	9/19/2022	Actinium-228	-4.50E+00	5.25E+00	1.34E+01	pCi/L	U
3298	597084001	10/17/2022	Actinium-228	8.17E-01	3.89E+00	1.37E+01	pCi/L	U
3298	600674001	11/14/2022	Actinium-228	2.87E-02	7.62E+00	1.65E+01	pCi/L	U
3298	603748001	12/12/2022	Actinium-228	3.67E+00	6.67E+00	9.79E+00	pCi/L	U
3298	566834001	1/10/2022	Americium-241	7.89E-01	5.03E+00	1.57E+01	pCi/L	U
3298	569530001	2/7/2022	Americium-241	7.84E-01	4.20E+00	1.44E+01	pCi/L	U
3298	572307001	3/8/2022	Americium-241	-7.80E+00	8.31E+00	2.41E+01	pCi/L	U
3298	575136001	4/4/2022	Americium-241	1.02E+00	3.25E+00	1.02E+01	pCi/L	U
3298	578414001	5/2/2022	Americium-241	1.59E-01	2.93E+00	8.42E+00	pCi/L	U
3298	581369001	5/29/2022	Americium-241	-5.12E+00	3.24E+00	8.52E+00	pCi/L	U
3298	584139001	6/27/2022	Americium-241	-1.42E+01	1.29E+01	3.41E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	587144001	7/26/2022	Americium-241	6.45E+00	4.54E+00	1.02E+01	pCi/L	U
3298	590519001	8/22/2022	Americium-241	2.19E+00	4.81E+00	1.44E+01	pCi/L	U
3298	593610001	9/19/2022	Americium-241	2.33E+00	5.96E+00	1.88E+01	pCi/L	U
3298	597084001	10/17/2022	Americium-241	-1.73E+00	3.89E+00	1.15E+01	pCi/L	U
3298	600674001	11/14/2022	Americium-241	-1.44E+01	8.77E+00	2.74E+01	pCi/L	U
3298	603748001	12/12/2022	Americium-241	2.55E-01	5.99E+00	1.73E+01	pCi/L	U
3298	566834001	1/10/2022	Antimony-124	-9.64E-01	1.84E+00	5.67E+00	pCi/L	U
3298	569530001	2/7/2022	Antimony-124	-3.81E-01	1.20E+00	3.92E+00	pCi/L	U
3298	572307001	3/8/2022	Antimony-124	2.44E+00	2.19E+00	8.12E+00	pCi/L	U
3298	575136001	4/4/2022	Antimony-124	9.96E-01	1.53E+00	5.43E+00	pCi/L	U
3298	578414001	5/2/2022	Antimony-124	3.77E+00	1.37E+00	5.64E+00	pCi/L	U
3298	581369001	5/29/2022	Antimony-124	-3.83E+00	4.98E+00	1.42E+01	pCi/L	U
3298	584139001	6/27/2022	Antimony-124	-6.38E-02	3.92E+00	1.27E+01	pCi/L	U
3298	587144001	7/26/2022	Antimony-124	-1.14E-01	2.38E+00	7.56E+00	pCi/L	U
3298	590519001	8/22/2022	Antimony-124	5.05E-01	2.08E+00	6.99E+00	pCi/L	U
3298	593610001	9/19/2022	Antimony-124	2.13E+00	2.05E+00	7.75E+00	pCi/L	U
3298	597084001	10/17/2022	Antimony-124	-5.06E-01	2.55E+00	7.90E+00	pCi/L	U
3298	600674001	11/14/2022	Antimony-124	-7.58E+00	2.57E+00	5.35E+00	pCi/L	U
3298	603748001	12/12/2022	Antimony-124	-1.09E+00	1.72E+00	5.33E+00	pCi/L	U
3298	566834001	1/10/2022	Antimony-125	-2.32E+00	2.01E+00	6.41E+00	pCi/L	U
3298	569530001	2/7/2022	Antimony-125	-2.10E+00	1.21E+00	3.77E+00	pCi/L	U
3298	572307001	3/8/2022	Antimony-125	-9.04E-01	1.92E+00	6.22E+00	pCi/L	U
3298	575136001	4/4/2022	Antimony-125	8.10E+00	3.48E+00	6.71E+00	pCi/L	UI
3298	578414001	5/2/2022	Antimony-125	1.70E+00	1.94E+00	6.36E+00	pCi/L	U
3298	581369001	5/29/2022	Antimony-125	5.97E+00	4.06E+00	1.46E+01	pCi/L	U
3298	584139001	6/27/2022	Antimony-125	1.35E+00	3.36E+00	1.12E+01	pCi/L	U
3298	587144001	7/26/2022	Antimony-125	7.83E-01	2.47E+00	8.33E+00	pCi/L	U
3298	590519001	8/22/2022	Antimony-125	6.31E-01	2.50E+00	8.29E+00	pCi/L	U
3298	593610001	9/19/2022	Antimony-125	-6.42E-01	2.47E+00	8.14E+00	pCi/L	U
3298	597084001	10/17/2022	Antimony-125	-7.53E-02	2.29E+00	7.54E+00	pCi/L	U
3298	600674001	11/14/2022	Antimony-125	-2.47E+00	2.44E+00	7.87E+00	pCi/L	U
3298	603748001	12/12/2022	Antimony-125	-2.18E+00	1.78E+00	5.57E+00	pCi/L	U
3298	566834001	1/10/2022	Barium-140	-6.33E-01	5.00E+00	1.65E+01	pCi/L	U
3298	569530001	2/7/2022	Barium-140	1.80E+00	3.71E+00	1.23E+01	pCi/L	U
3298	572307001	3/8/2022	Barium-140	1.64E+00	8.14E+00	2.42E+01	pCi/L	U
3298	575136001	4/4/2022	Barium-140	-3.53E+00	5.17E+00	1.64E+01	pCi/L	U
3298	578414001	5/2/2022	Barium-140	-8.07E-01	5.01E+00	1.68E+01	pCi/L	U
3298	581369001	5/29/2022	Barium-140	3.64E+01	1.80E+01	2.93E+01	pCi/L	UI
3298	584139001	6/27/2022	Barium-140	5.32E+00	6.37E+00	2.20E+01	pCi/L	U
3298	587144001	7/26/2022	Barium-140	-1.05E-01	5.76E+00	1.67E+01	pCi/L	U
3298	590519001	8/22/2022	Barium-140	1.68E+00	5.26E+00	1.74E+01	pCi/L	U
3298	593610001	9/19/2022	Barium-140	4.76E-02	4.02E+00	1.33E+01	pCi/L	U
3298	597084001	10/17/2022	Barium-140	-1.96E+00	5.79E+00	1.83E+01	pCi/L	U
3298	600674001	11/14/2022	Barium-140	-2.53E+01	9.43E+00	1.95E+01	pCi/L	U
3298	603748001	12/12/2022	Barium-140	6.94E+00	3.51E+00	1.23E+01	pCi/L	U
3298	566834001	1/10/2022	Beryllium-7	1.89E+01	6.72E+00	2.55E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	569530001	2/7/2022	Beryllium-7	1.07E+00	4.37E+00	1.45E+01	pCi/L	U
3298	572307001	3/8/2022	Beryllium-7	-1.88E+00	7.31E+00	2.37E+01	pCi/L	U
3298	575136001	4/4/2022	Beryllium-7	4.44E+00	6.16E+00	2.14E+01	pCi/L	U
3298	578414001	5/2/2022	Beryllium-7	6.88E+00	6.45E+00	2.27E+01	pCi/L	U
3298	581369001	5/29/2022	Beryllium-7	1.67E+00	1.41E+01	4.61E+01	pCi/L	U
3298	584139001	6/27/2022	Beryllium-7	-7.82E+00	1.19E+01	3.64E+01	pCi/L	U
3298	587144001	7/26/2022	Beryllium-7	3.72E+00	1.03E+01	3.45E+01	pCi/L	U
3298	590519001	8/22/2022	Beryllium-7	2.05E+00	9.95E+00	3.27E+01	pCi/L	U
3298	593610001	9/19/2022	Beryllium-7	1.67E+01	7.51E+00	2.89E+01	pCi/L	U
3298	597084001	10/17/2022	Beryllium-7	-4.79E+00	7.88E+00	2.45E+01	pCi/L	U
3298	600674001	11/14/2022	Beryllium-7	4.77E-01	8.43E+00	2.84E+01	pCi/L	U
3298	603748001	12/12/2022	Beryllium-7	3.54E+00	6.18E+00	1.85E+01	pCi/L	U
3298	566834001	1/10/2022	BETA	1.40E+00	1.16E+00	3.57E+00	pCi/L	U
3298	569530001	2/7/2022	BETA	-5.70E-01	7.08E-01	2.46E+00	pCi/L	U
3298	572307001	3/8/2022	BETA	1.81E+00	7.49E-01	1.96E+00	pCi/L	U
3298	575136001	4/4/2022	BETA	6.72E-01	1.05E+00	3.32E+00	pCi/L	U
3298	578414001	5/2/2022	BETA	1.21E+00	9.16E-01	2.69E+00	pCi/L	U
3298	581369001	5/29/2022	BETA	1.28E+00	1.13E+00	3.44E+00	pCi/L	U
3298	584139001	6/27/2022	BETA	1.96E+00	1.08E+00	3.15E+00	pCi/L	U
3298	587144001	7/26/2022	BETA	2.33E+00	9.97E-01	2.78E+00	pCi/L	U
3298	590519001	8/22/2022	BETA	1.75E+00	1.14E+00	3.46E+00	pCi/L	U
3298	593610001	9/19/2022	BETA	2.86E+00	1.09E+00	2.97E+00	pCi/L	U
3298	597084001	10/17/2022	BETA	-1.34E+00	1.56E+00	2.90E+00	pCi/L	U
3298	600674001	11/14/2022	BETA	-8.91E-01	9.28E-01	3.22E+00	pCi/L	U
3298	603748001	12/12/2022	BETA	5.08E-01	7.07E-01	2.17E+00	pCi/L	U
3298	566834001	1/10/2022	Bismuth-214	2.61E+00	3.07E+00	7.07E+00	pCi/L	U
3298	569530001	2/7/2022	Bismuth-214	-1.33E-02	1.76E+00	3.95E+00	pCi/L	U
3298	572307001	3/8/2022	Bismuth-214	2.24E+00	3.18E+00	6.74E+00	pCi/L	U
3298	575136001	4/4/2022	Bismuth-214	5.61E+00	2.98E+00	6.07E+00	pCi/L	U
3298	578414001	5/2/2022	Bismuth-214	3.31E+00	3.20E+00	4.76E+00	pCi/L	U
3298	581369001	5/29/2022	Bismuth-214	-5.91E+00	4.11E+00	1.23E+01	pCi/L	U
3298	584139001	6/27/2022	Bismuth-214	5.19E+00	3.22E+00	1.09E+01	pCi/L	U
3298	587144001	7/26/2022	Bismuth-214	8.38E-01	2.62E+00	8.54E+00	pCi/L	U
3298	590519001	8/22/2022	Bismuth-214	1.12E+01	3.60E+00	1.02E+01	pCi/L	UI
3298	593610001	9/19/2022	Bismuth-214	7.14E+00	3.76E+00	8.80E+00	pCi/L	U
3298	597084001	10/17/2022	Bismuth-214	3.39E+00	4.21E+00	1.02E+01	pCi/L	U
3298	600674001	11/14/2022	Bismuth-214	-3.10E+00	2.90E+00	7.42E+00	pCi/L	U
3298	603748001	12/12/2022	Bismuth-214	3.38E+00	3.24E+00	3.90E+00	pCi/L	U
3298	566834001	1/10/2022	Cerium-141	-2.41E+00	1.87E+00	4.99E+00	pCi/L	U
3298	569530001	2/7/2022	Cerium-141	-3.05E+00	1.62E+00	3.24E+00	pCi/L	U
3298	572307001	3/8/2022	Cerium-141	-1.84E+00	1.95E+00	5.60E+00	pCi/L	U
3298	575136001	4/4/2022	Cerium-141	-3.58E+00	1.41E+00	4.08E+00	pCi/L	U
3298	578414001	5/2/2022	Cerium-141	2.08E-01	1.44E+00	4.84E+00	pCi/L	U
3298	581369001	5/29/2022	Cerium-141	3.80E+00	2.17E+00	7.93E+00	pCi/L	U
3298	584139001	6/27/2022	Cerium-141	-3.54E-01	2.19E+00	7.35E+00	pCi/L	U
3298	587144001	7/26/2022	Cerium-141	-2.67E+00	1.96E+00	5.80E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	590519001	8/22/2022	Cerium-141	-3.71E+00	1.95E+00	5.71E+00	pCi/L	U
3298	593610001	9/19/2022	Cerium-141	6.73E-01	3.01E+00	4.38E+00	pCi/L	U
3298	597084001	10/17/2022	Cerium-141	-9.91E-01	1.95E+00	6.01E+00	pCi/L	U
3298	600674001	11/14/2022	Cerium-141	1.48E-01	3.21E+00	6.66E+00	pCi/L	U
3298	603748001	12/12/2022	Cerium-141	2.74E-01	1.32E+00	4.06E+00	pCi/L	U
3298	566834001	1/10/2022	Cerium-144	2.56E+00	5.53E+00	1.82E+01	pCi/L	U
3298	569530001	2/7/2022	Cerium-144	-3.21E+00	4.89E+00	1.09E+01	pCi/L	U
3298	572307001	3/8/2022	Cerium-144	-2.13E+00	5.36E+00	1.72E+01	pCi/L	U
3298	575136001	4/4/2022	Cerium-144	-2.69E+00	4.61E+00	1.45E+01	pCi/L	U
3298	578414001	5/2/2022	Cerium-144	1.73E+00	4.44E+00	1.50E+01	pCi/L	U
3298	581369001	5/29/2022	Cerium-144	1.11E+01	7.42E+00	2.69E+01	pCi/L	U
3298	584139001	6/27/2022	Cerium-144	-9.26E+00	8.08E+00	2.60E+01	pCi/L	U
3298	587144001	7/26/2022	Cerium-144	-8.33E-01	6.74E+00	2.13E+01	pCi/L	U
3298	590519001	8/22/2022	Cerium-144	9.87E-01	6.52E+00	2.24E+01	pCi/L	U
3298	593610001	9/19/2022	Cerium-144	-1.06E+00	6.18E+00	1.98E+01	pCi/L	U
3298	597084001	10/17/2022	Cerium-144	-1.47E+01	7.67E+00	2.23E+01	pCi/L	U
3298	600674001	11/14/2022	Cerium-144	3.48E+00	6.42E+00	2.18E+01	pCi/L	U
3298	603748001	12/12/2022	Cerium-144	-1.38E+00	4.43E+00	1.50E+01	pCi/L	U
3298	566834001	1/10/2022	Cesium-134	1.16E+00	8.58E-01	3.03E+00	pCi/L	U
3298	569530001	2/7/2022	Cesium-134	-1.40E-01	4.99E-01	1.67E+00	pCi/L	U
3298	572307001	3/8/2022	Cesium-134	1.16E+00	8.28E-01	3.05E+00	pCi/L	U
3298	575136001	4/4/2022	Cesium-134	6.87E-01	7.24E-01	2.51E+00	pCi/L	U
3298	578414001	5/2/2022	Cesium-134	-1.16E-01	7.17E-01	2.34E+00	pCi/L	U
3298	581369001	5/29/2022	Cesium-134	6.19E-01	2.06E+00	7.12E+00	pCi/L	U
3298	584139001	6/27/2022	Cesium-134	9.94E-01	1.49E+00	4.80E+00	pCi/L	U
3298	587144001	7/26/2022	Cesium-134	-9.65E-01	1.20E+00	3.25E+00	pCi/L	U
3298	590519001	8/22/2022	Cesium-134	1.04E+00	1.10E+00	3.81E+00	pCi/L	U
3298	593610001	9/19/2022	Cesium-134	-8.52E-01	1.14E+00	2.81E+00	pCi/L	U
3298	597084001	10/17/2022	Cesium-134	-1.62E-01	1.28E+00	4.30E+00	pCi/L	U
3298	600674001	11/14/2022	Cesium-134	1.09E+00	9.53E-01	3.34E+00	pCi/L	U
3298	603748001	12/12/2022	Cesium-134	-9.49E-01	8.58E-01	2.22E+00	pCi/L	U
3298	566834001	1/10/2022	Cesium-137	-1.06E+00	8.31E-01	2.51E+00	pCi/L	U
3298	569530001	2/7/2022	Cesium-137	-7.49E-01	5.04E-01	1.50E+00	pCi/L	U
3298	572307001	3/8/2022	Cesium-137	1.40E+00	8.24E-01	2.94E+00	pCi/L	U
3298	575136001	4/4/2022	Cesium-137	6.77E-01	7.02E-01	2.44E+00	pCi/L	U
3298	578414001	5/2/2022	Cesium-137	-2.15E-01	7.14E-01	2.34E+00	pCi/L	U
3298	581369001	5/29/2022	Cesium-137	1.66E+00	2.21E+00	7.15E+00	pCi/L	U
3298	584139001	6/27/2022	Cesium-137	-2.42E+00	1.93E+00	5.08E+00	pCi/L	U
3298	587144001	7/26/2022	Cesium-137	-2.23E-01	1.32E+00	3.89E+00	pCi/L	U
3298	590519001	8/22/2022	Cesium-137	1.31E+00	1.13E+00	3.96E+00	pCi/L	U
3298	593610001	9/19/2022	Cesium-137	-7.46E-01	8.36E-01	2.45E+00	pCi/L	U
3298	597084001	10/17/2022	Cesium-137	-1.72E+00	1.16E+00	3.27E+00	pCi/L	U
3298	600674001	11/14/2022	Cesium-137	-2.95E+00	1.28E+00	2.89E+00	pCi/L	U
3298	603748001	12/12/2022	Cesium-137	6.08E-01	1.57E+00	2.22E+00	pCi/L	U
3298	566834001	1/10/2022	Chromium-51	-7.43E+00	8.04E+00	2.66E+01	pCi/L	U
3298	569530001	2/7/2022	Chromium-51	-7.71E+00	5.10E+00	1.66E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	572307001	3/8/2022	Chromium-51	6.90E+00	9.97E+00	3.17E+01	pCi/L	U
3298	575136001	4/4/2022	Chromium-51	-5.38E+00	7.23E+00	2.39E+01	pCi/L	U
3298	578414001	5/2/2022	Chromium-51	8.17E+00	8.12E+00	2.71E+01	pCi/L	U
3298	581369001	5/29/2022	Chromium-51	5.09E+00	1.75E+01	5.43E+01	pCi/L	U
3298	584139001	6/27/2022	Chromium-51	-1.39E+01	1.12E+01	3.37E+01	pCi/L	U
3298	587144001	7/26/2022	Chromium-51	6.32E-01	8.96E+00	3.02E+01	pCi/L	U
3298	590519001	8/22/2022	Chromium-51	-1.33E+01	1.01E+01	3.04E+01	pCi/L	U
3298	593610001	9/19/2022	Chromium-51	7.50E-01	7.65E+00	2.63E+01	pCi/L	U
3298	597084001	10/17/2022	Chromium-51	-8.61E+00	1.10E+01	3.55E+01	pCi/L	U
3298	600674001	11/14/2022	Chromium-51	6.37E+00	1.13E+01	3.71E+01	pCi/L	U
3298	603748001	12/12/2022	Chromium-51	-3.43E+00	6.04E+00	1.97E+01	pCi/L	U
3298	566834001	1/10/2022	Cobalt-57	1.50E+00	7.82E-01	2.52E+00	pCi/L	U
3298	569530001	2/7/2022	Cobalt-57	2.04E-01	4.39E-01	1.45E+00	pCi/L	U
3298	572307001	3/8/2022	Cobalt-57	2.75E-01	7.08E-01	2.35E+00	pCi/L	U
3298	575136001	4/4/2022	Cobalt-57	-7.63E-01	5.64E-01	1.73E+00	pCi/L	U
3298	578414001	5/2/2022	Cobalt-57	1.63E-01	5.72E-01	1.94E+00	pCi/L	U
3298	581369001	5/29/2022	Cobalt-57	1.22E+00	9.39E-01	3.39E+00	pCi/L	U
3298	584139001	6/27/2022	Cobalt-57	1.27E+00	1.00E+00	3.59E+00	pCi/L	U
3298	587144001	7/26/2022	Cobalt-57	2.94E-01	8.89E-01	2.88E+00	pCi/L	U
3298	590519001	8/22/2022	Cobalt-57	8.43E-01	8.29E-01	2.95E+00	pCi/L	U
3298	593610001	9/19/2022	Cobalt-57	-1.09E+00	7.77E-01	2.33E+00	pCi/L	U
3298	597084001	10/17/2022	Cobalt-57	1.91E-01	8.84E-01	2.84E+00	pCi/L	U
3298	600674001	11/14/2022	Cobalt-57	3.01E-01	8.38E-01	2.84E+00	pCi/L	U
3298	603748001	12/12/2022	Cobalt-57	-4.96E-01	5.86E-01	1.97E+00	pCi/L	U
3298	566834001	1/10/2022	Cobalt-58	5.02E-01	7.70E-01	2.61E+00	pCi/L	U
3298	569530001	2/7/2022	Cobalt-58	2.94E-01	5.06E-01	1.76E+00	pCi/L	U
3298	572307001	3/8/2022	Cobalt-58	1.05E+00	9.11E-01	3.29E+00	pCi/L	U
3298	575136001	4/4/2022	Cobalt-58	9.01E-01	6.74E-01	2.41E+00	pCi/L	U
3298	578414001	5/2/2022	Cobalt-58	5.37E-01	6.88E-01	2.35E+00	pCi/L	U
3298	581369001	5/29/2022	Cobalt-58	-1.35E+00	1.66E+00	5.18E+00	pCi/L	U
3298	584139001	6/27/2022	Cobalt-58	1.82E-01	1.35E+00	4.09E+00	pCi/L	U
3298	587144001	7/26/2022	Cobalt-58	5.89E-01	1.11E+00	3.67E+00	pCi/L	U
3298	590519001	8/22/2022	Cobalt-58	-1.21E+00	1.12E+00	2.81E+00	pCi/L	U
3298	593610001	9/19/2022	Cobalt-58	1.33E+00	9.16E-01	3.37E+00	pCi/L	U
3298	597084001	10/17/2022	Cobalt-58	3.57E-01	1.02E+00	3.20E+00	pCi/L	U
3298	600674001	11/14/2022	Cobalt-58	3.95E-01	8.88E-01	2.98E+00	pCi/L	U
3298	603748001	12/12/2022	Cobalt-58	-3.61E-01	6.32E-01	1.69E+00	pCi/L	U
3298	566834001	1/10/2022	Cobalt-60	1.92E+00	8.19E-01	3.23E+00	pCi/L	U
3298	569530001	2/7/2022	Cobalt-60	4.27E-02	4.84E-01	1.58E+00	pCi/L	U
3298	572307001	3/8/2022	Cobalt-60	-2.35E+00	1.22E+00	2.62E+00	pCi/L	U
3298	575136001	4/4/2022	Cobalt-60	-2.60E-01	7.91E-01	2.57E+00	pCi/L	U
3298	578414001	5/2/2022	Cobalt-60	-1.37E-03	8.22E-01	2.39E+00	pCi/L	U
3298	581369001	5/29/2022	Cobalt-60	-1.52E+00	1.75E+00	5.04E+00	pCi/L	U
3298	584139001	6/27/2022	Cobalt-60	-9.28E-01	1.07E+00	3.04E+00	pCi/L	U
3298	587144001	7/26/2022	Cobalt-60	-9.22E-01	1.13E+00	2.65E+00	pCi/L	U
3298	590519001	8/22/2022	Cobalt-60	2.01E+00	8.38E-01	3.68E+00	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	593610001	9/19/2022	Cobalt-60	1.77E+00	9.80E-01	3.93E+00	pCi/L	U
3298	597084001	10/17/2022	Cobalt-60	-1.09E+00	9.03E-01	2.37E+00	pCi/L	U
3298	600674001	11/14/2022	Cobalt-60	-1.52E+00	9.95E-01	2.85E+00	pCi/L	U
3298	603748001	12/12/2022	Cobalt-60	-3.45E-01	6.45E-01	2.06E+00	pCi/L	U
3298	566834001	1/10/2022	Iodine-131	-1.17E+00	2.02E+00	6.70E+00	pCi/L	U
3298	569530001	2/7/2022	Iodine-131	5.77E-01	1.58E+00	5.37E+00	pCi/L	U
3298	572307001	3/8/2022	Iodine-131	8.19E-03	3.36E+00	1.13E+01	pCi/L	U
3298	575136001	4/4/2022	Iodine-131	-9.09E-02	2.50E-01	8.39E-01	pCi/L	U
3298	578414001	5/2/2022	Iodine-131	-2.10E-01	2.50E-01	8.51E-01	pCi/L	U
3298	581369001	5/29/2022	Iodine-131	7.54E-01	2.94E-01	9.05E-01	pCi/L	U
3298	584139001	6/27/2022	Iodine-131	3.70E-01	2.56E+00	8.45E+00	pCi/L	U
3298	584139001	6/27/2022	Iodine-131	2.57E-01	2.72E-01	8.62E-01	pCi/L	U
3298	587144001	7/26/2022	Iodine-131	3.50E-01	1.92E+00	6.49E+00	pCi/L	U
3298	587144001	7/26/2022	Iodine-131	3.51E-01	2.82E-01	9.01E-01	pCi/L	U
3298	590519001	8/22/2022	Iodine-131	-1.58E-01	2.28E+00	7.45E+00	pCi/L	U
3298	590519001	8/22/2022	Iodine-131	8.31E-01	2.83E-01	8.52E-01	pCi/L	U
3298	593610001	9/19/2022	Iodine-131	-3.48E-01	2.54E-01	8.64E-01	pCi/L	U
3298	597084001	10/17/2022	Iodine-131	-1.59E-01	2.65E-01	8.79E-01	pCi/L	U
3298	600674001	11/14/2022	Iodine-131	4.50E-02	2.62E-01	8.57E-01	pCi/L	U
3298	603748001	12/12/2022	Iodine-131	-9.49E-02	2.65E-01	8.80E-01	pCi/L	U
3298	566834001	1/10/2022	Iron-59	6.74E-01	1.54E+00	5.39E+00	pCi/L	U
3298	569530001	2/7/2022	Iron-59	-1.67E+00	1.15E+00	3.49E+00	pCi/L	U
3298	572307001	3/8/2022	Iron-59	3.93E-01	1.85E+00	6.21E+00	pCi/L	U
3298	575136001	4/4/2022	Iron-59	-6.08E-01	1.58E+00	5.20E+00	pCi/L	U
3298	578414001	5/2/2022	Iron-59	-3.37E-01	1.62E+00	5.13E+00	pCi/L	U
3298	581369001	5/29/2022	Iron-59	-8.84E+00	4.52E+00	1.22E+01	pCi/L	U
3298	584139001	6/27/2022	Iron-59	2.33E+00	2.73E+00	8.97E+00	pCi/L	U
3298	587144001	7/26/2022	Iron-59	2.85E-01	2.09E+00	7.04E+00	pCi/L	U
3298	590519001	8/22/2022	Iron-59	2.66E+00	1.77E+00	6.94E+00	pCi/L	U
3298	593610001	9/19/2022	Iron-59	-2.12E+00	2.05E+00	6.21E+00	pCi/L	U
3298	597084001	10/17/2022	Iron-59	1.15E+00	2.26E+00	7.83E+00	pCi/L	U
3298	600674001	11/14/2022	Iron-59	1.09E+00	1.89E+00	6.62E+00	pCi/L	U
3298	603748001	12/12/2022	Iron-59	-3.35E+00	3.74E+00	4.71E+00	pCi/L	U
3298	566834001	1/10/2022	Lanthanum-140	-1.32E+00	1.67E+00	5.08E+00	pCi/L	U
3298	569530001	2/7/2022	Lanthanum-140	-1.10E+00	1.32E+00	4.22E+00	pCi/L	U
3298	572307001	3/8/2022	Lanthanum-140	1.77E+00	2.33E+00	8.39E+00	pCi/L	U
3298	575136001	4/4/2022	Lanthanum-140	-3.02E+00	1.80E+00	4.75E+00	pCi/L	U
3298	578414001	5/2/2022	Lanthanum-140	2.38E-01	1.81E+00	5.25E+00	pCi/L	U
3298	581369001	5/29/2022	Lanthanum-140	-1.13E+00	4.52E+00	1.42E+01	pCi/L	U
3298	584139001	6/27/2022	Lanthanum-140	-8.95E-01	2.81E+00	8.79E+00	pCi/L	U
3298	587144001	7/26/2022	Lanthanum-140	1.07E-01	2.16E+00	6.99E+00	pCi/L	U
3298	590519001	8/22/2022	Lanthanum-140	2.43E+00	2.05E+00	7.68E+00	pCi/L	U
3298	593610001	9/19/2022	Lanthanum-140	-1.98E+00	1.38E+00	3.49E+00	pCi/L	U
3298	597084001	10/17/2022	Lanthanum-140	1.07E+00	1.96E+00	6.74E+00	pCi/L	U
3298	600674001	11/14/2022	Lanthanum-140	7.78E-01	1.95E+00	6.67E+00	pCi/L	U
3298	603748001	12/12/2022	Lanthanum-140	-5.87E-01	1.36E+00	4.34E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	566834001	1/10/2022	Lead-210	1.57E+00	1.38E+02	3.98E+02	pCi/L	U
3298	569530001	2/7/2022	Lead-210	3.69E+02	1.69E+02	6.10E+02	pCi/L	U
3298	572307001	3/8/2022	Lead-210	1.84E+02	2.73E+02	9.60E+02	pCi/L	U
3298	575136001	4/4/2022	Lead-210	1.54E+01	1.19E+02	2.12E+02	pCi/L	U
3298	578414001	5/2/2022	Lead-210	-7.53E+01	6.32E+01	1.51E+02	pCi/L	U
3298	581369001	5/29/2022	Lead-210	9.21E+01	5.39E+01	8.41E+01	pCi/L	UI
3298	584139001	6/27/2022	Lead-210	7.28E+01	4.38E+02	1.36E+03	pCi/L	U
3298	587144001	7/26/2022	Lead-210	-8.55E+01	7.19E+01	2.25E+02	pCi/L	U
3298	590519001	8/22/2022	Lead-210	6.80E+01	8.85E+01	2.81E+02	pCi/L	U
3298	593610001	9/19/2022	Lead-210	-2.39E+02	1.68E+02	5.18E+02	pCi/L	U
3298	597084001	10/17/2022	Lead-210	7.37E+01	1.08E+02	1.72E+02	pCi/L	U
3298	600674001	11/14/2022	Lead-210	-3.89E+01	3.41E+02	1.06E+03	pCi/L	U
3298	603748001	12/12/2022	Lead-210	-3.82E+02	2.26E+02	5.54E+02	pCi/L	U
3298	566834001	1/10/2022	Lead-212	-1.32E+00	2.04E+00	5.64E+00	pCi/L	U
3298	569530001	2/7/2022	Lead-212	2.36E+00	1.93E+00	3.70E+00	pCi/L	U
3298	572307001	3/8/2022	Lead-212	1.65E+00	3.24E+00	5.84E+00	pCi/L	U
3298	575136001	4/4/2022	Lead-212	2.18E+00	1.91E+00	4.96E+00	pCi/L	U
3298	578414001	5/2/2022	Lead-212	3.39E+00	2.66E+00	4.76E+00	pCi/L	U
3298	581369001	5/29/2022	Lead-212	1.53E+01	6.64E+00	7.46E+00	pCi/L	UI
3298	584139001	6/27/2022	Lead-212	-1.89E+00	2.74E+00	8.53E+00	pCi/L	U
3298	587144001	7/26/2022	Lead-212	7.35E-01	2.90E+00	5.91E+00	pCi/L	U
3298	590519001	8/22/2022	Lead-212	1.02E+01	3.96E+00	7.50E+00	pCi/L	UI
3298	593610001	9/19/2022	Lead-212	2.65E+00	3.51E+00	9.35E+00	pCi/L	U
3298	597084001	10/17/2022	Lead-212	9.74E-01	4.04E+00	7.90E+00	pCi/L	U
3298	600674001	11/14/2022	Lead-212	5.05E+00	3.24E+00	7.58E+00	pCi/L	U
3298	603748001	12/12/2022	Lead-212	1.45E+00	2.09E+00	3.98E+00	pCi/L	U
3298	566834001	1/10/2022	Lead-214	-2.43E+00	2.41E+00	6.89E+00	pCi/L	U
3298	569530001	2/7/2022	Lead-214	-7.96E-01	1.70E+00	3.93E+00	pCi/L	U
3298	572307001	3/8/2022	Lead-214	-1.10E+00	2.38E+00	6.88E+00	pCi/L	U
3298	575136001	4/4/2022	Lead-214	2.03E-01	1.88E+00	5.53E+00	pCi/L	U
3298	578414001	5/2/2022	Lead-214	5.01E+00	2.88E+00	6.21E+00	pCi/L	U
3298	581369001	5/29/2022	Lead-214	1.36E+01	8.94E+00	1.19E+01	pCi/L	UI
3298	584139001	6/27/2022	Lead-214	3.31E+00	4.12E+00	1.14E+01	pCi/L	U
3298	587144001	7/26/2022	Lead-214	4.73E+00	4.73E+00	8.29E+00	pCi/L	U
3298	590519001	8/22/2022	Lead-214	5.14E+00	2.83E+00	1.00E+01	pCi/L	U
3298	593610001	9/19/2022	Lead-214	-1.21E+00	2.31E+00	7.17E+00	pCi/L	U
3298	597084001	10/17/2022	Lead-214	-2.81E+00	2.56E+00	7.79E+00	pCi/L	U
3298	600674001	11/14/2022	Lead-214	-2.24E+00	2.59E+00	7.05E+00	pCi/L	U
3298	603748001	12/12/2022	Lead-214	6.02E+00	2.97E+00	4.56E+00	pCi/L	UI
3298	566834001	1/10/2022	Manganese-54	2.72E-01	7.27E-01	2.41E+00	pCi/L	U
3298	569530001	2/7/2022	Manganese-54	-1.08E-01	4.62E-01	1.55E+00	pCi/L	U
3298	572307001	3/8/2022	Manganese-54	-8.46E-02	7.74E-01	2.60E+00	pCi/L	U
3298	575136001	4/4/2022	Manganese-54	-1.35E+00	7.40E-01	1.66E+00	pCi/L	U
3298	578414001	5/2/2022	Manganese-54	-8.26E-01	6.27E-01	1.90E+00	pCi/L	U
3298	581369001	5/29/2022	Manganese-54	4.78E+00	1.90E+00	4.62E+00	pCi/L	UI
3298	584139001	6/27/2022	Manganese-54	-2.52E-02	1.25E+00	4.22E+00	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	587144001	7/26/2022	Manganese-54	7.54E+00	1.50E+00	3.27E+00	pCi/L	UI
3298	590519001	8/22/2022	Manganese-54	-1.98E-03	9.91E-01	3.34E+00	pCi/L	U
3298	593610001	9/19/2022	Manganese-54	5.56E-01	8.96E-01	2.80E+00	pCi/L	U
3298	597084001	10/17/2022	Manganese-54	-1.38E+00	1.01E+00	3.00E+00	pCi/L	U
3298	600674001	11/14/2022	Manganese-54	-7.39E-02	9.01E-01	2.91E+00	pCi/L	U
3298	603748001	12/12/2022	Manganese-54	1.84E-01	5.90E-01	2.04E+00	pCi/L	U
3298	566834001	1/10/2022	Molybdenum-99	-3.72E+01	1.07E+02	3.40E+02	pCi/L	U
3298	569530001	2/7/2022	Molybdenum-99	-8.98E+01	1.66E+02	4.52E+02	pCi/L	U
3298	572307001	3/8/2022	Molybdenum-99	-4.70E+01	4.70E+02	1.48E+03	pCi/L	U
3298	575136001	4/4/2022	Molybdenum-99	6.13E+02	3.51E+02	1.17E+03	pCi/L	U
3298	578414001	5/2/2022	Molybdenum-99	6.48E+02	3.68E+02	7.95E+02	pCi/L	U
3298	581369001	5/29/2022	Molybdenum-99	-1.52E+01	1.84E+02	6.22E+02	pCi/L	U
3298	584139001	6/27/2022	Molybdenum-99	-1.32E+02	9.87E+01	3.00E+02	pCi/L	U
3298	587144001	7/26/2022	Molybdenum-99	5.37E+01	7.75E+01	2.63E+02	pCi/L	U
3298	590519001	8/22/2022	Molybdenum-99	-6.82E+01	8.81E+01	2.76E+02	pCi/L	U
3298	593610001	9/19/2022	Molybdenum-99	-9.62E+00	1.70E+01	5.14E+01	pCi/L	U
3298	597084001	10/17/2022	Molybdenum-99	1.60E+02	1.06E+02	2.65E+02	pCi/L	U
3298	600674001	11/14/2022	Molybdenum-99	2.53E+02	3.29E+02	1.12E+03	pCi/L	U
3298	603748001	12/12/2022	Molybdenum-99	1.47E+01	4.78E+01	1.55E+02	pCi/L	U
3298	566834001	1/10/2022	Niobium-95	1.66E-01	9.07E-01	2.97E+00	pCi/L	U
3298	569530001	2/7/2022	Niobium-95	-3.21E-01	4.75E-01	1.57E+00	pCi/L	U
3298	572307001	3/8/2022	Niobium-95	-5.89E-01	9.74E-01	3.20E+00	pCi/L	U
3298	575136001	4/4/2022	Niobium-95	-5.96E-01	7.42E-01	2.25E+00	pCi/L	U
3298	578414001	5/2/2022	Niobium-95	-1.43E+00	7.19E-01	2.12E+00	pCi/L	U
3298	581369001	5/29/2022	Niobium-95	-3.18E+00	1.37E+00	3.35E+00	pCi/L	U
3298	584139001	6/27/2022	Niobium-95	-7.36E-02	1.06E+00	3.57E+00	pCi/L	U
3298	587144001	7/26/2022	Niobium-95	-2.73E-01	1.24E+00	3.39E+00	pCi/L	U
3298	590519001	8/22/2022	Niobium-95	1.62E+00	1.06E+00	4.01E+00	pCi/L	U
3298	593610001	9/19/2022	Niobium-95	2.49E+00	1.41E+00	2.28E+00	pCi/L	UI
3298	597084001	10/17/2022	Niobium-95	-6.46E-01	9.81E-01	2.88E+00	pCi/L	U
3298	600674001	11/14/2022	Niobium-95	1.33E-01	1.05E+00	3.46E+00	pCi/L	U
3298	603748001	12/12/2022	Niobium-95	5.38E-01	7.36E-01	2.42E+00	pCi/L	U
3298	566834001	1/10/2022	Potassium-40	-1.30E+01	1.51E+01	4.06E+01	pCi/L	U
3298	569530001	2/7/2022	Potassium-40	1.34E+00	1.31E+01	1.76E+01	pCi/L	U
3298	572307001	3/8/2022	Potassium-40	-2.76E+01	1.23E+01	3.50E+01	pCi/L	U
3298	575136001	4/4/2022	Potassium-40	-5.20E+00	1.16E+01	3.60E+01	pCi/L	U
3298	578414001	5/2/2022	Potassium-40	4.36E+00	1.48E+01	2.05E+01	pCi/L	U
3298	581369001	5/29/2022	Potassium-40	-2.13E+01	2.49E+01	7.30E+01	pCi/L	U
3298	584139001	6/27/2022	Potassium-40	-5.02E+00	1.68E+01	5.68E+01	pCi/L	U
3298	587144001	7/26/2022	Potassium-40	-7.95E+00	1.52E+01	5.47E+01	pCi/L	U
3298	590519001	8/22/2022	Potassium-40	1.00E+01	1.55E+01	5.44E+01	pCi/L	U
3298	593610001	9/19/2022	Potassium-40	-1.67E+01	1.50E+01	5.03E+01	pCi/L	U
3298	597084001	10/17/2022	Potassium-40	-1.77E+01	1.41E+01	4.90E+01	pCi/L	U
3298	600674001	11/14/2022	Potassium-40	5.97E+01	1.25E+01	1.91E+01	pCi/L	
3298	603748001	12/12/2022	Potassium-40	2.10E+01	9.05E+00	2.05E+01	pCi/L	UI
3298	566834001	1/10/2022	Radium-226	6.03E+01	3.70E+01	5.37E+01	pCi/L	UI

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	569530001	2/7/2022	Radium-226	2.26E+01	2.61E+01	3.34E+01	pCi/L	U
3298	572307001	3/8/2022	Radium-226	4.08E+01	3.37E+01	5.14E+01	pCi/L	U
3298	575136001	4/4/2022	Radium-226	1.09E+00	2.74E+01	4.23E+01	pCi/L	U
3298	578414001	5/2/2022	Radium-226	3.84E+01	2.95E+01	4.58E+01	pCi/L	U
3298	581369001	5/29/2022	Radium-226	5.55E+01	4.98E+01	8.38E+01	pCi/L	U
3298	584139001	6/27/2022	Radium-226	1.46E+01	4.93E+01	7.38E+01	pCi/L	U
3298	587144001	7/26/2022	Radium-226	1.93E+00	2.88E+01	9.53E+01	pCi/L	U
3298	590519001	8/22/2022	Radium-226	1.05E+01	4.74E+01	6.68E+01	pCi/L	U
3298	593610001	9/19/2022	Radium-226	5.28E+00	4.19E+01	6.72E+01	pCi/L	U
3298	597084001	10/17/2022	Radium-226	4.52E+01	4.00E+01	7.21E+01	pCi/L	U
3298	600674001	11/14/2022	Radium-226	1.13E+01	3.91E+01	6.41E+01	pCi/L	U
3298	603748001	12/12/2022	Radium-226	-2.51E+01	2.64E+01	6.59E+01	pCi/L	U
3298	566834001	1/10/2022	Radium-228	-3.45E+00	4.37E+00	1.25E+01	pCi/L	U
3298	569530001	2/7/2022	Radium-228	-2.62E+00	2.99E+00	7.08E+00	pCi/L	U
3298	572307001	3/8/2022	Radium-228	7.18E+00	5.33E+00	9.61E+00	pCi/L	U
3298	575136001	4/4/2022	Radium-228	-2.96E+00	4.09E+00	1.14E+01	pCi/L	U
3298	578414001	5/2/2022	Radium-228	-2.64E+00	3.48E+00	9.28E+00	pCi/L	U
3298	581369001	5/29/2022	Radium-228	5.26E-01	7.92E+00	2.66E+01	pCi/L	U
3298	584139001	6/27/2022	Radium-228	-5.97E+00	4.94E+00	1.52E+01	pCi/L	U
3298	587144001	7/26/2022	Radium-228	3.06E+00	4.88E+00	1.57E+01	pCi/L	U
3298	590519001	8/22/2022	Radium-228	1.96E+01	5.73E+00	1.75E+01	pCi/L	UI
3298	593610001	9/19/2022	Radium-228	-4.50E+00	5.25E+00	1.34E+01	pCi/L	U
3298	597084001	10/17/2022	Radium-228	8.17E-01	3.89E+00	1.37E+01	pCi/L	U
3298	600674001	11/14/2022	Radium-228	2.87E-02	7.62E+00	1.65E+01	pCi/L	U
3298	603748001	12/12/2022	Radium-228	3.67E+00	6.67E+00	9.79E+00	pCi/L	U
3298	566834001	1/10/2022	Ruthenium-103	-4.01E-01	9.54E-01	3.13E+00	pCi/L	U
3298	569530001	2/7/2022	Ruthenium-103	2.92E-01	5.85E-01	1.96E+00	pCi/L	U
3298	572307001	3/8/2022	Ruthenium-103	-1.10E+00	1.11E+00	3.02E+00	pCi/L	U
3298	575136001	4/4/2022	Ruthenium-103	-7.57E-01	7.29E-01	2.27E+00	pCi/L	U
3298	578414001	5/2/2022	Ruthenium-103	-1.93E+00	7.86E-01	2.41E+00	pCi/L	U
3298	581369001	5/29/2022	Ruthenium-103	-4.29E+00	1.90E+00	5.03E+00	pCi/L	U
3298	584139001	6/27/2022	Ruthenium-103	-1.55E+00	1.37E+00	3.99E+00	pCi/L	U
3298	587144001	7/26/2022	Ruthenium-103	-5.84E-02	1.12E+00	3.64E+00	pCi/L	U
3298	590519001	8/22/2022	Ruthenium-103	-1.15E+00	1.42E+00	3.74E+00	pCi/L	U
3298	593610001	9/19/2022	Ruthenium-103	3.21E+00	8.64E-01	2.98E+00	pCi/L	UI
3298	597084001	10/17/2022	Ruthenium-103	-1.81E+00	1.10E+00	3.14E+00	pCi/L	U
3298	600674001	11/14/2022	Ruthenium-103	1.56E+00	1.19E+00	3.82E+00	pCi/L	U
3298	603748001	12/12/2022	Ruthenium-103	-1.01E+00	7.76E-01	2.09E+00	pCi/L	U
3298	566834001	1/10/2022	Ruthenium-106	-1.93E-01	7.70E+00	2.53E+01	pCi/L	U
3298	569530001	2/7/2022	Ruthenium-106	2.01E+00	4.43E+00	1.46E+01	pCi/L	U
3298	572307001	3/8/2022	Ruthenium-106	-1.07E+01	7.35E+00	2.13E+01	pCi/L	U
3298	575136001	4/4/2022	Ruthenium-106	-1.07E+01	6.19E+00	1.80E+01	pCi/L	U
3298	578414001	5/2/2022	Ruthenium-106	-9.52E-02	5.67E+00	1.89E+01	pCi/L	U
3298	581369001	5/29/2022	Ruthenium-106	-1.39E+01	1.83E+01	4.75E+01	pCi/L	U
3298	584139001	6/27/2022	Ruthenium-106	-1.52E+01	1.00E+01	2.64E+01	pCi/L	U
3298	587144001	7/26/2022	Ruthenium-106	-1.54E+01	1.06E+01	3.00E+01	pCi/L	U

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	590519001	8/22/2022	Ruthenium-106	-2.08E+01	9.23E+00	2.22E+01	pCi/L	U
3298	593610001	9/19/2022	Ruthenium-106	-1.76E-01	7.96E+00	2.32E+01	pCi/L	U
3298	597084001	10/17/2022	Ruthenium-106	-1.44E+00	8.61E+00	2.73E+01	pCi/L	U
3298	600674001	11/14/2022	Ruthenium-106	-4.05E+00	8.41E+00	2.71E+01	pCi/L	U
3298	603748001	12/12/2022	Ruthenium-106	2.34E+00	5.81E+00	1.90E+01	pCi/L	U
3298	566834001	1/10/2022	Selenium-75	-9.47E-01	1.20E+00	3.61E+00	pCi/L	U
3298	569530001	2/7/2022	Selenium-75	-7.60E-01	6.53E-01	2.18E+00	pCi/L	U
3298	572307001	3/8/2022	Selenium-75	1.58E+00	1.08E+00	3.92E+00	pCi/L	U
3298	575136001	4/4/2022	Selenium-75	7.38E-01	9.26E-01	3.00E+00	pCi/L	U
3298	578414001	5/2/2022	Selenium-75	6.35E-01	9.20E-01	3.06E+00	pCi/L	U
3298	581369001	5/29/2022	Selenium-75	5.56E-01	1.91E+00	6.47E+00	pCi/L	U
3298	584139001	6/27/2022	Selenium-75	-8.92E-02	1.50E+00	4.93E+00	pCi/L	U
3298	587144001	7/26/2022	Selenium-75	-1.47E-01	1.47E+00	4.83E+00	pCi/L	U
3298	590519001	8/22/2022	Selenium-75	8.67E-01	1.42E+00	4.88E+00	pCi/L	U
3298	593610001	9/19/2022	Selenium-75	-5.25E-01	1.31E+00	3.97E+00	pCi/L	U
3298	597084001	10/17/2022	Selenium-75	2.70E+00	1.28E+00	4.77E+00	pCi/L	U
3298	600674001	11/14/2022	Selenium-75	5.65E-01	1.31E+00	4.32E+00	pCi/L	U
3298	603748001	12/12/2022	Selenium-75	8.58E-03	8.55E-01	2.85E+00	pCi/L	U
3298	566834001	1/10/2022	Silver-108m	2.55E+00	1.60E+00	3.00E+00	pCi/L	U
3298	569530001	2/7/2022	Silver-108m	-2.95E-01	4.24E-01	1.38E+00	pCi/L	U
3298	572307001	3/8/2022	Silver-108m	-5.54E-01	6.43E-01	2.03E+00	pCi/L	U
3298	575136001	4/4/2022	Silver-108m	4.02E-01	5.95E-01	1.98E+00	pCi/L	U
3298	578414001	5/2/2022	Silver-108m	3.75E-01	6.36E-01	2.06E+00	pCi/L	U
3298	581369001	5/29/2022	Silver-108m	3.88E+00	1.37E+00	5.29E+00	pCi/L	U
3298	584139001	6/27/2022	Silver-108m	-3.04E-01	1.08E+00	3.44E+00	pCi/L	U
3298	587144001	7/26/2022	Silver-108m	2.41E-01	8.34E-01	2.80E+00	pCi/L	U
3298	590519001	8/22/2022	Silver-108m	2.54E+00	1.32E+00	2.96E+00	pCi/L	U
3298	593610001	9/19/2022	Silver-108m	-2.23E-01	6.96E-01	2.27E+00	pCi/L	U
3298	597084001	10/17/2022	Silver-108m	9.77E-01	8.35E-01	2.97E+00	pCi/L	U
3298	600674001	11/14/2022	Silver-108m	-6.40E-01	8.11E-01	2.65E+00	pCi/L	U
3298	603748001	12/12/2022	Silver-108m	1.84E-02	5.85E-01	1.92E+00	pCi/L	U
3298	566834001	1/10/2022	Silver-110m	-1.77E+00	1.18E+00	3.35E+00	pCi/L	U
3298	569530001	2/7/2022	Silver-110m	5.99E-01	6.21E-01	2.18E+00	pCi/L	U
3298	572307001	3/8/2022	Silver-110m	-2.91E-01	1.01E+00	3.30E+00	pCi/L	U
3298	575136001	4/4/2022	Silver-110m	-2.38E+00	9.23E-01	2.23E+00	pCi/L	U
3298	578414001	5/2/2022	Silver-110m	-2.61E-02	7.97E-01	2.59E+00	pCi/L	U
3298	581369001	5/29/2022	Silver-110m	6.38E-01	2.53E+00	8.71E+00	pCi/L	U
3298	584139001	6/27/2022	Silver-110m	-6.21E-01	1.67E+00	5.42E+00	pCi/L	U
3298	587144001	7/26/2022	Silver-110m	-6.16E-01	1.12E+00	3.55E+00	pCi/L	U
3298	590519001	8/22/2022	Silver-110m	-2.65E+00	1.39E+00	3.73E+00	pCi/L	U
3298	593610001	9/19/2022	Silver-110m	2.00E+00	1.31E+00	4.56E+00	pCi/L	U
3298	597084001	10/17/2022	Silver-110m	-2.01E+00	1.44E+00	4.24E+00	pCi/L	U
3298	600674001	11/14/2022	Silver-110m	2.39E-01	1.20E+00	3.94E+00	pCi/L	U
3298	603748001	12/12/2022	Silver-110m	1.44E+00	8.72E-01	2.91E+00	pCi/L	U
3298	566834001	1/10/2022	Tellurium-132	-4.65E+00	8.23E+00	2.54E+01	pCi/L	U
3298	569530001	2/7/2022	Tellurium-132	-3.87E-01	9.80E+00	3.07E+01	pCi/L	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
3298	572307001	3/8/2022	Tellurium-132	-1.81E+00	3.17E+01	9.92E+01	pCi/L	U
3298	575136001	4/4/2022	Tellurium-132	8.91E+00	1.99E+01	6.36E+01	pCi/L	U
3298	578414001	5/2/2022	Tellurium-132	9.26E-01	1.82E+01	5.98E+01	pCi/L	U
3298	581369001	5/29/2022	Tellurium-132	2.86E+01	1.37E+01	5.02E+01	pCi/L	U
3298	584139001	6/27/2022	Tellurium-132	3.22E+00	7.60E+00	2.58E+01	pCi/L	U
3298	587144001	7/26/2022	Tellurium-132	-2.98E+00	5.86E+00	1.95E+01	pCi/L	U
3298	590519001	8/22/2022	Tellurium-132	1.22E+01	7.23E+00	2.63E+01	pCi/L	U
3298	593610001	9/19/2022	Tellurium-132	2.26E+00	1.85E+00	6.25E+00	pCi/L	U
3298	597084001	10/17/2022	Tellurium-132	-3.66E+00	6.00E+00	2.00E+01	pCi/L	U
3298	600674001	11/14/2022	Tellurium-132	-3.52E+01	2.23E+01	6.87E+01	pCi/L	U
3298	603748001	12/12/2022	Tellurium-132	4.14E+00	4.28E+00	1.47E+01	pCi/L	U
3298	566834001	1/10/2022	Thallium-208	-8.16E-01	1.31E+00	3.59E+00	pCi/L	U
3298	569530001	2/7/2022	Thallium-208	-8.22E-01	8.41E-01	1.98E+00	pCi/L	U
3298	572307001	3/8/2022	Thallium-208	1.13E+00	1.09E+00	3.18E+00	pCi/L	U
3298	575136001	4/4/2022	Thallium-208	-1.36E-01	9.64E-01	2.70E+00	pCi/L	U
3298	578414001	5/2/2022	Thallium-208	9.74E-01	1.35E+00	2.19E+00	pCi/L	U
3298	581369001	5/29/2022	Thallium-208	-4.54E+00	2.15E+00	5.40E+00	pCi/L	U
3298	584139001	6/27/2022	Thallium-208	7.84E-01	1.57E+00	5.06E+00	pCi/L	U
3298	587144001	7/26/2022	Thallium-208	-9.53E-01	1.30E+00	4.09E+00	pCi/L	U
3298	590519001	8/22/2022	Thallium-208	-1.02E+00	1.46E+00	4.18E+00	pCi/L	U
3298	593610001	9/19/2022	Thallium-208	2.56E-01	1.60E+00	3.40E+00	pCi/L	U
3298	597084001	10/17/2022	Thallium-208	2.93E-01	1.23E+00	3.95E+00	pCi/L	U
3298	600674001	11/14/2022	Thallium-208	-1.38E+00	1.31E+00	3.58E+00	pCi/L	U
3298	603748001	12/12/2022	Thallium-208	3.61E-01	1.30E+00	2.02E+00	pCi/L	U
3298	566834001	1/10/2022	Thorium-228	-1.32E+00	2.04E+00	5.64E+00	pCi/L	U
3298	569530001	2/7/2022	Thorium-228	2.36E+00	1.93E+00	3.70E+00	pCi/L	U
3298	572307001	3/8/2022	Thorium-228	1.65E+00	3.24E+00	5.84E+00	pCi/L	U
3298	575136001	4/4/2022	Thorium-228	2.18E+00	1.91E+00	4.96E+00	pCi/L	U
3298	578414001	5/2/2022	Thorium-228	3.39E+00	2.66E+00	4.76E+00	pCi/L	U
3298	581369001	5/29/2022	Thorium-228	1.53E+01	6.64E+00	7.46E+00	pCi/L	UI
3298	584139001	6/27/2022	Thorium-228	-1.89E+00	2.74E+00	8.53E+00	pCi/L	U
3298	587144001	7/26/2022	Thorium-228	7.35E-01	2.90E+00	5.91E+00	pCi/L	U
3298	590519001	8/22/2022	Thorium-228	1.02E+01	3.96E+00	7.50E+00	pCi/L	UI
3298	593610001	9/19/2022	Thorium-228	2.65E+00	3.51E+00	9.35E+00	pCi/L	U
3298	597084001	10/17/2022	Thorium-228	9.74E-01	4.04E+00	7.90E+00	pCi/L	U
3298	600674001	11/14/2022	Thorium-228	5.05E+00	3.24E+00	7.58E+00	pCi/L	U
3298	603748001	12/12/2022	Thorium-228	1.45E+00	2.09E+00	3.98E+00	pCi/L	U
3298	566834001	1/10/2022	Thorium-230	-2.23E+02	3.56E+02	1.02E+03	pCi/L	U
3298	569530001	2/7/2022	Thorium-230	2.57E+03	7.07E+02	8.07E+02	pCi/L	UI
3298	572307001	3/8/2022	Thorium-230	-8.87E+02	4.89E+02	1.25E+03	pCi/L	U
3298	575136001	4/4/2022	Thorium-230	9.33E+02	4.13E+02	6.87E+02	pCi/L	UI
3298	578414001	5/2/2022	Thorium-230	6.92E+02	2.48E+02	6.50E+02	pCi/L	UI
3298	581369001	5/29/2022	Thorium-230	5.57E+02	2.88E+02	9.78E+02	pCi/L	U
3298	584139001	6/27/2022	Thorium-230	1.52E+03	7.00E+02	2.06E+03	pCi/L	U
3298	587144001	7/26/2022	Thorium-230	3.28E+02	4.60E+02	9.65E+02	pCi/L	U
3298	590519001	8/22/2022	Thorium-230	1.05E+03	6.22E+02	9.49E+02	pCi/L	UI

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	593610001	9/19/2022	Thorium-230	-4.63E+01	3.69E+02	1.10E+03	pCi/L	U
3298	597084001	10/17/2022	Thorium-230	1.15E+03	4.40E+02	9.67E+02	pCi/L	UI
3298	600674001	11/14/2022	Thorium-230	4.19E+01	4.75E+02	1.63E+03	pCi/L	U
3298	603748001	12/12/2022	Thorium-230	-2.14E+02	4.45E+02	1.11E+03	pCi/L	U
3298	566834001	1/10/2022	Thorium-232	-8.19E+02	6.97E+02	2.00E+03	pCi/L	U
3298	569530001	2/7/2022	Thorium-232	1.36E+03	9.25E+02	1.42E+03	pCi/L	U
3298	572307001	3/8/2022	Thorium-232	2.75E+03	1.26E+03	2.38E+03	pCi/L	UI
3298	575136001	4/4/2022	Thorium-232	1.26E+03	7.62E+02	1.15E+03	pCi/L	UI
3298	578414001	5/2/2022	Thorium-232	5.31E+02	8.14E+02	1.08E+03	pCi/L	U
3298	581369001	5/29/2022	Thorium-232	5.52E+01	5.12E+02	1.71E+03	pCi/L	U
3298	584139001	6/27/2022	Thorium-232	3.91E+02	2.03E+03	3.30E+03	pCi/L	U
3298	587144001	7/26/2022	Thorium-232	1.62E+02	6.01E+02	1.55E+03	pCi/L	U
3298	590519001	8/22/2022	Thorium-232	1.58E+03	9.95E+02	1.63E+03	pCi/L	U
3298	593610001	9/19/2022	Thorium-232	5.99E+02	9.83E+02	2.00E+03	pCi/L	U
3298	597084001	10/17/2022	Thorium-232	1.02E+03	7.24E+02	1.54E+03	pCi/L	U
3298	600674001	11/14/2022	Thorium-232	-2.41E+03	1.18E+03	3.41E+03	pCi/L	U
3298	603748001	12/12/2022	Thorium-232	2.15E+02	1.33E+03	2.03E+03	pCi/L	U
3298	575136001	4/4/2022	Thorium-234	8.84E+01	5.36E+01	1.16E+02	pCi/L	U
3298	578414001	5/2/2022	Thorium-234	3.73E+01	5.72E+01	7.73E+01	pCi/L	U
3298	581369001	5/29/2022	Thorium-234	-1.23E+01	3.64E+01	1.20E+02	pCi/L	U
3298	593610001	9/19/2022	Thorium-234	4.21E+01	6.91E+01	1.44E+02	pCi/L	U
3298	597084001	10/17/2022	Thorium-234	7.18E+01	5.09E+01	1.47E+02	pCi/L	U
3298	600674001	11/14/2022	Thorium-234	-9.45E+01	8.50E+01	2.51E+02	pCi/L	U
3298	603748001	12/12/2022	Thorium-234	1.51E+01	9.34E+01	1.47E+02	pCi/L	U
3298	566834001	1/10/2022	Tritium	6.31E+02	1.01E+02	2.86E+02	pCi/L	U
3298	569530001	2/7/2022	Tritium	1.03E+02	8.74E+01	2.80E+02	pCi/L	U
3298	578162002	3/8/2022	Tritium	1.28E+02	1.82E+02	5.78E+02	pCi/L	U
3298	572307001	3/8/2022	Tritium	-7.92E+01	1.12E+02	3.73E+02	pCi/L	U
3298	578162002	3/8/2022	Tritium	1.28E+02	1.82E+02	5.78E+02	pCi/L	U
3298	575136001	4/4/2022	Tritium	-2.82E+01	2.00E+02	3.37E+02	pCi/L	U
3298	578414001	5/2/2022	Tritium	1.05E+02	1.04E+02	3.37E+02	pCi/L	U
3298	581369001	5/29/2022	Tritium	1.69E+02	1.01E+02	3.18E+02	pCi/L	U
3298	584139001	6/27/2022	Tritium	-4.64E+01	1.03E+02	3.43E+02	pCi/L	U
3298	587144001	7/26/2022	Tritium	2.89E+02	1.05E+02	2.76E+02	pCi/L	M
3298	590519001	8/22/2022	Tritium	1.18E+02	9.66E+01	3.08E+02	pCi/L	U
3298	600472002	9/19/2022	Tritium	5.89E+01	2.01E+02	6.57E+02	pCi/L	U
3298	593610001	9/19/2022	Tritium	1.93E+02	9.16E+01	2.82E+02	pCi/L	U
3298	597084001	10/17/2022	Tritium	-8.60E+01	9.64E+01	3.24E+02	pCi/L	U
3298	600674001	11/14/2022	Tritium	6.75E+01	9.48E+01	3.02E+02	pCi/L	U
3298	609541002	12/12/2022	Tritium	-9.49E+01	2.34E+02	7.79E+02	pCi/L	U
3298	603748001	12/12/2022	Tritium	3.38E+01	8.82E+01	2.87E+02	pCi/L	U
3298	566834001	1/10/2022	Uranium-234	3.91E+03	2.08E+03	7.40E+03	pCi/L	U
3298	569530001	2/7/2022	Uranium-234	1.37E+04	4.62E+03	7.03E+03	pCi/L	UI
3298	572307001	3/8/2022	Uranium-234	2.08E+03	3.68E+03	1.28E+04	pCi/L	U
3298	575136001	4/4/2022	Uranium-234	1.19E+03	1.30E+03	4.47E+03	pCi/L	U
3298	578414001	5/2/2022	Uranium-234	4.96E+03	1.66E+03	2.94E+03	pCi/L	UI

Table 16: Complete REMP Results – Drinking Water (pCi/L)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	581369001	5/29/2022	Uranium-234	-8.06E+02	8.61E+02	2.62E+03	pCi/L	U
3298	584139001	6/27/2022	Uranium-234	-1.04E+04	6.34E+03	1.80E+04	pCi/L	U
3298	587144001	7/26/2022	Uranium-234	2.40E+03	1.45E+03	5.11E+03	pCi/L	U
3298	590519001	8/22/2022	Uranium-234	5.10E+02	1.79E+03	5.76E+03	pCi/L	U
3298	593610001	9/19/2022	Uranium-234	4.13E+03	4.09E+03	7.55E+03	pCi/L	U
3298	597084001	10/17/2022	Uranium-234	8.74E+03	2.79E+03	4.45E+03	pCi/L	UI
3298	600674001	11/14/2022	Uranium-234	9.01E+03	1.09E+04	1.50E+04	pCi/L	U
3298	603748001	12/12/2022	Uranium-234	1.59E+03	2.70E+03	8.61E+03	pCi/L	U
3298	566834001	1/10/2022	Zinc-65	-6.10E-01	1.48E+00	4.85E+00	pCi/L	U
3298	569530001	2/7/2022	Zinc-65	-1.71E-01	9.28E-01	3.02E+00	pCi/L	U
3298	572307001	3/8/2022	Zinc-65	2.55E+00	3.29E+00	5.27E+00	pCi/L	U
3298	575136001	4/4/2022	Zinc-65	4.67E-01	1.37E+00	4.76E+00	pCi/L	U
3298	578414001	5/2/2022	Zinc-65	2.38E+00	1.51E+00	4.82E+00	pCi/L	U
3298	581369001	5/29/2022	Zinc-65	-2.18E-02	2.90E+00	9.60E+00	pCi/L	U
3298	584139001	6/27/2022	Zinc-65	-3.43E+00	2.55E+00	7.15E+00	pCi/L	U
3298	587144001	7/26/2022	Zinc-65	-1.42E+00	2.02E+00	6.14E+00	pCi/L	U
3298	590519001	8/22/2022	Zinc-65	3.88E-01	1.84E+00	6.23E+00	pCi/L	U
3298	593610001	9/19/2022	Zinc-65	-3.15E-01	1.73E+00	5.70E+00	pCi/L	U
3298	597084001	10/17/2022	Zinc-65	8.54E-03	1.77E+00	5.86E+00	pCi/L	U
3298	600674001	11/14/2022	Zinc-65	4.43E+00	2.91E+00	8.21E+00	pCi/L	U
3298	603748001	12/12/2022	Zinc-65	6.82E-01	1.39E+00	4.26E+00	pCi/L	U
3298	566834001	1/10/2022	Zirconium-95	6.43E-01	1.74E+00	5.76E+00	pCi/L	U
3298	569530001	2/7/2022	Zirconium-95	-4.94E-01	1.03E+00	3.20E+00	pCi/L	U
3298	572307001	3/8/2022	Zirconium-95	2.43E+00	1.68E+00	5.86E+00	pCi/L	U
3298	575136001	4/4/2022	Zirconium-95	-1.16E+00	1.40E+00	4.25E+00	pCi/L	U
3298	578414001	5/2/2022	Zirconium-95	-9.91E-01	1.35E+00	4.27E+00	pCi/L	U
3298	581369001	5/29/2022	Zirconium-95	2.43E+00	2.74E+00	1.01E+01	pCi/L	U
3298	584139001	6/27/2022	Zirconium-95	1.37E+00	2.21E+00	7.88E+00	pCi/L	U
3298	587144001	7/26/2022	Zirconium-95	-1.16E-01	1.95E+00	6.16E+00	pCi/L	U
3298	590519001	8/22/2022	Zirconium-95	-4.95E-01	1.70E+00	5.59E+00	pCi/L	U
3298	593610001	9/19/2022	Zirconium-95	2.13E-01	1.95E+00	6.35E+00	pCi/L	U
3298	597084001	10/17/2022	Zirconium-95	2.18E+00	1.70E+00	6.13E+00	pCi/L	U
3298	600674001	11/14/2022	Zirconium-95	-2.60E+00	1.70E+00	4.95E+00	pCi/L	U
3298	603748001	12/12/2022	Zirconium-95	2.78E-01	1.15E+00	3.71E+00	pCi/L	U

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2250	575134001	4/4/2022	Actinium-228	4.95E+02	7.70E+01	9.78E+01	pCi/kg	
2250	594995003	10/3/2022	Actinium-228	3.14E+02	6.62E+01	2.53E+02	pCi/kg	UI
2250	575134001	4/4/2022	Americium-241	1.34E+01	3.51E+01	1.38E+02	pCi/kg	U
2250	594995003	10/3/2022	Americium-241	1.14E+01	6.21E+01	2.02E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2250	575134001	4/4/2022	Antimony-124	2.26E+01	2.29E+01	8.78E+01	pCi/kg	U
2250	594995003	10/3/2022	Antimony-124	-1.95E+01	2.47E+01	6.89E+01	pCi/kg	U
2250	575134001	4/4/2022	Antimony-125	-3.57E+01	2.04E+01	6.30E+01	pCi/kg	U
2250	594995003	10/3/2022	Antimony-125	1.83E+01	3.03E+01	1.03E+02	pCi/kg	U
2250	575134001	4/4/2022	Barium-140	-5.54E+01	1.15E+02	3.75E+02	pCi/kg	U
2250	594995003	10/3/2022	Barium-140	-8.35E+01	1.37E+02	4.22E+02	pCi/kg	U
2250	575134001	4/4/2022	Beryllium-7	5.33E+02	2.26E+02	2.61E+02	pCi/kg	UI
2250	594995003	10/3/2022	Beryllium-7	-1.66E+02	1.27E+02	3.81E+02	pCi/kg	U
2250	575134001	4/4/2022	Bismuth-214	4.47E+02	4.55E+01	5.20E+01	pCi/kg	
2250	594995003	10/3/2022	Bismuth-214	2.76E+02	5.50E+01	6.62E+01	pCi/kg	
2250	575134001	4/4/2022	Cerium-141	2.66E+01	2.96E+01	5.83E+01	pCi/kg	U
2250	594995003	10/3/2022	Cerium-141	-4.86E+01	2.37E+01	6.97E+01	pCi/kg	U
2250	575134001	4/4/2022	Cerium-144	3.36E+01	3.91E+01	1.46E+02	pCi/kg	U
2250	594995003	10/3/2022	Cerium-144	1.02E+01	5.37E+01	1.71E+02	pCi/kg	U
2250	575134001	4/4/2022	Cesium-134	1.95E+01	1.06E+01	4.12E+01	pCi/kg	U
2250	594995003	10/3/2022	Cesium-134	1.08E+01	1.25E+01	4.50E+01	pCi/kg	U
2250	575134001	4/4/2022	Cesium-137	3.05E+01	1.20E+01	4.56E+01	pCi/kg	U
2250	594995003	10/3/2022	Cesium-137	-1.21E+00	1.15E+01	3.83E+01	pCi/kg	U
2250	575134001	4/4/2022	Chromium-51	-1.18E+02	1.06E+02	3.58E+02	pCi/kg	U
2250	594995003	10/3/2022	Chromium-51	-1.34E+02	1.45E+02	4.71E+02	pCi/kg	U
2250	575134001	4/4/2022	Cobalt-57	1.52E+00	5.52E+00	1.90E+01	pCi/kg	U
2250	594995003	10/3/2022	Cobalt-57	1.72E+00	7.26E+00	2.44E+01	pCi/kg	U
2250	575134001	4/4/2022	Cobalt-58	5.22E+00	1.05E+01	3.78E+01	pCi/kg	U
2250	594995003	10/3/2022	Cobalt-58	7.92E+00	1.31E+01	4.62E+01	pCi/kg	U
2250	575134001	4/4/2022	Cobalt-60	2.03E+01	1.19E+01	4.51E+01	pCi/kg	U
2250	594995003	10/3/2022	Cobalt-60	-1.10E+01	1.12E+01	3.38E+01	pCi/kg	U
2250	575134001	4/4/2022	Iodine-131	-8.89E-01	7.73E+01	2.75E+02	pCi/kg	U
2250	594995003	10/3/2022	Iodine-131	-1.04E+02	7.87E+01	2.38E+02	pCi/kg	U
2250	575134001	4/4/2022	Iron-59	-1.62E+01	2.61E+01	8.12E+01	pCi/kg	U
2250	594995003	10/3/2022	Iron-59	4.65E+00	2.70E+01	9.01E+01	pCi/kg	U
2250	575134001	4/4/2022	Lanthanum-140	-2.16E+01	3.77E+01	1.15E+02	pCi/kg	U
2250	594995003	10/3/2022	Lanthanum-140	2.38E+01	4.72E+01	1.68E+02	pCi/kg	U
2250	575134001	4/4/2022	Lead-210	6.34E+02	1.39E+03	4.74E+03	pCi/kg	U
2250	594995003	10/3/2022	Lead-210	-2.87E+02	1.59E+03	5.57E+03	pCi/kg	U
2250	575134001	4/4/2022	Lead-212	4.70E+02	3.38E+01	4.63E+01	pCi/kg	
2250	594995003	10/3/2022	Lead-212	4.08E+02	4.82E+01	5.12E+01	pCi/kg	
2250	575134001	4/4/2022	Lead-214	5.31E+02	4.10E+01	1.50E+02	pCi/kg	
2250	594995003	10/3/2022	Lead-214	3.67E+02	4.56E+01	6.65E+01	pCi/kg	
2250	575134001	4/4/2022	Manganese-54	1.91E+01	5.40E+00	2.58E+01	pCi/kg	U
2250	594995003	10/3/2022	Manganese-54	1.47E+01	8.85E+00	3.23E+01	pCi/kg	U
2250	575134001	4/4/2022	Molybdenum-99	-3.85E+04	7.68E+04	0.00E+00	pCi/kg	U
2250	594995003	10/3/2022	Molybdenum-99	-1.72E+05	8.55E+04	0.00E+00	pCi/kg	U
2250	575134001	4/4/2022	Niobium-95	-8.89E+00	1.16E+01	3.84E+01	pCi/kg	U
2250	594995003	10/3/2022	Niobium-95	-6.02E+00	1.32E+01	3.62E+01	pCi/kg	U
2250	575134001	4/4/2022	Potassium-40	9.22E+02	1.74E+02	1.87E+02	pCi/kg	
2250	594995003	10/3/2022	Potassium-40	1.05E+03	2.55E+02	3.75E+02	pCi/kg	

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2250	575134001	4/4/2022	Radium-226	4.47E+02	4.55E+01	5.20E+01	pCi/kg	
2250	594995003	10/3/2022	Radium-226	3.67E+02	4.56E+01	6.65E+01	pCi/kg	
2250	575134001	4/4/2022	Radium-228	4.95E+02	7.70E+01	9.78E+01	pCi/kg	
2250	594995003	10/3/2022	Radium-228	3.14E+02	6.62E+01	2.53E+02	pCi/kg	UI
2250	575134001	4/4/2022	Ruthenium-103	-2.14E+00	1.21E+01	4.09E+01	pCi/kg	U
2250	594995003	10/3/2022	Ruthenium-103	7.67E+00	1.34E+01	4.62E+01	pCi/kg	U
2250	575134001	4/4/2022	Ruthenium-106	6.89E+01	8.19E+01	2.90E+02	pCi/kg	U
2250	594995003	10/3/2022	Ruthenium-106	5.93E+01	8.40E+01	3.06E+02	pCi/kg	U
2250	575134001	4/4/2022	Selenium-75	-1.36E+00	9.72E+00	3.21E+01	pCi/kg	U
2250	594995003	10/3/2022	Selenium-75	3.79E+00	1.47E+01	5.17E+01	pCi/kg	U
2250	575134001	4/4/2022	Silver-108m	-1.12E+01	6.75E+00	2.09E+01	pCi/kg	U
2250	594995003	10/3/2022	Silver-108m	-1.28E+01	9.22E+00	2.79E+01	pCi/kg	U
2250	575134001	4/4/2022	Silver-110m	-1.80E+01	1.18E+01	3.13E+01	pCi/kg	U
2250	594995003	10/3/2022	Silver-110m	-7.91E+00	1.42E+01	4.51E+01	pCi/kg	U
2250	575134001	4/4/2022	Tellurium-132	4.30E+02	2.53E+03	8.65E+03	pCi/kg	U
2250	594995003	10/3/2022	Tellurium-132	-4.43E+02	2.81E+03	9.80E+03	pCi/kg	U
2250	575134001	4/4/2022	Thallium-208	1.44E+02	2.53E+01	3.11E+01	pCi/kg	
2250	594995003	10/3/2022	Thallium-208	1.10E+02	2.57E+01	3.65E+01	pCi/kg	
2250	575134001	4/4/2022	Thorium-228	4.70E+02	3.38E+01	4.63E+01	pCi/kg	
2250	594995003	10/3/2022	Thorium-228	4.08E+02	4.82E+01	5.12E+01	pCi/kg	
2250	575134001	4/4/2022	Thorium-230	4.47E+02	4.55E+01	5.20E+01	pCi/kg	
2250	594995003	10/3/2022	Thorium-230	3.67E+02	4.56E+01	6.65E+01	pCi/kg	
2250	575134001	4/4/2022	Thorium-232	4.95E+02	7.70E+01	9.78E+01	pCi/kg	
2250	594995003	10/3/2022	Thorium-232	3.14E+02	6.62E+01	2.53E+02	pCi/kg	UI
2250	575134001	4/4/2022	Thorium-234	3.32E+02	3.02E+02	1.21E+03	pCi/kg	U
2250	594995003	10/3/2022	Thorium-234	1.17E+03	8.83E+02	1.49E+03	pCi/kg	U
2250	575134001	4/4/2022	Uranium-234	4.47E+02	4.55E+01	5.20E+01	pCi/kg	
2250	594995003	10/3/2022	Uranium-234	3.67E+02	4.56E+01	6.65E+01	pCi/kg	
2250	575134001	4/4/2022	Zinc-65	-1.87E+01	2.34E+01	6.18E+01	pCi/kg	U
2250	594995003	10/3/2022	Zinc-65	-1.63E+01	2.93E+01	7.69E+01	pCi/kg	U
2250	575134001	4/4/2022	Zirconium-95	7.21E+00	2.28E+01	8.12E+01	pCi/kg	U
2250	594995003	10/3/2022	Zirconium-95	-4.55E+00	2.12E+01	7.06E+01	pCi/kg	U
2254	575134002	4/4/2022	Actinium-228	1.43E+03	1.07E+02	9.11E+01	pCi/kg	
2254	594995001	10/3/2022	Actinium-228	5.59E+02	8.62E+01	1.00E+02	pCi/kg	
2254	575134002	4/4/2022	Americium-241	-6.69E+00	1.29E+01	4.66E+01	pCi/kg	U
2254	594995001	10/3/2022	Americium-241	1.84E+01	2.70E+01	9.57E+01	pCi/kg	U
2254	575134002	4/4/2022	Antimony-124	1.15E+01	1.88E+01	6.84E+01	pCi/kg	U
2254	594995001	10/3/2022	Antimony-124	-1.72E+00	1.91E+01	6.38E+01	pCi/kg	U
2254	575134002	4/4/2022	Antimony-125	4.04E+01	2.23E+01	8.05E+01	pCi/kg	U
2254	594995001	10/3/2022	Antimony-125	3.98E+01	2.03E+01	7.76E+01	pCi/kg	U
2254	575134002	4/4/2022	Barium-140	-1.36E+01	1.12E+02	3.99E+02	pCi/kg	U
2254	594995001	10/3/2022	Barium-140	-9.30E+01	1.20E+02	3.88E+02	pCi/kg	U
2254	575134002	4/4/2022	Beryllium-7	5.55E+01	7.57E+01	2.84E+02	pCi/kg	U
2254	594995001	10/3/2022	Beryllium-7	3.09E+01	8.69E+01	3.05E+02	pCi/kg	U
2254	575134002	4/4/2022	Bismuth-214	9.71E+02	5.23E+01	5.03E+01	pCi/kg	
2254	594995001	10/3/2022	Bismuth-214	4.00E+02	4.91E+01	5.54E+01	pCi/kg	

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2254	575134002	4/4/2022	Cerium-141	3.23E+01	4.09E+01	6.71E+01	pCi/kg	U
2254	594995001	10/3/2022	Cerium-141	-1.92E+01	2.11E+01	6.70E+01	pCi/kg	U
2254	575134002	4/4/2022	Cerium-144	-7.56E+01	4.67E+01	1.52E+02	pCi/kg	U
2254	594995001	10/3/2022	Cerium-144	-7.90E+01	4.31E+01	1.39E+02	pCi/kg	U
2254	575134002	4/4/2022	Cesium-134	4.17E+01	1.11E+01	4.49E+01	pCi/kg	U
2254	594995001	10/3/2022	Cesium-134	5.95E+01	1.71E+01	3.80E+01	pCi/kg	UI
2254	575134002	4/4/2022	Cesium-137	-8.50E+00	8.98E+00	2.64E+01	pCi/kg	U
2254	594995001	10/3/2022	Cesium-137	8.43E+00	1.16E+01	3.95E+01	pCi/kg	U
2254	575134002	4/4/2022	Chromium-51	2.33E+02	1.17E+02	4.32E+02	pCi/kg	U
2254	594995001	10/3/2022	Chromium-51	-2.09E+01	1.05E+02	3.73E+02	pCi/kg	U
2254	575134002	4/4/2022	Cobalt-57	-3.36E+00	5.32E+00	1.95E+01	pCi/kg	U
2254	594995001	10/3/2022	Cobalt-57	-1.75E+00	5.61E+00	1.95E+01	pCi/kg	U
2254	575134002	4/4/2022	Cobalt-58	-8.42E+00	1.05E+01	2.98E+01	pCi/kg	U
2254	594995001	10/3/2022	Cobalt-58	-2.73E+00	9.10E+00	3.10E+01	pCi/kg	U
2254	575134002	4/4/2022	Cobalt-60	-3.36E+00	8.15E+00	2.53E+01	pCi/kg	U
2254	594995001	10/3/2022	Cobalt-60	-6.07E+00	7.41E+00	2.18E+01	pCi/kg	U
2254	575134002	4/4/2022	Iodine-131	-3.59E+01	8.65E+01	2.87E+02	pCi/kg	U
2254	594995001	10/3/2022	Iodine-131	-3.79E+01	6.51E+01	2.22E+02	pCi/kg	U
2254	575134002	4/4/2022	Iron-59	3.86E+00	2.14E+01	7.20E+01	pCi/kg	U
2254	594995001	10/3/2022	Iron-59	5.36E+00	1.98E+01	6.84E+01	pCi/kg	U
2254	575134002	4/4/2022	Lanthanum-140	2.20E+00	4.12E+01	1.25E+02	pCi/kg	U
2254	594995001	10/3/2022	Lanthanum-140	-2.37E+01	4.51E+01	1.46E+02	pCi/kg	U
2254	575134002	4/4/2022	Lead-210	8.48E+02	2.35E+02	3.07E+02	pCi/kg	
2254	594995001	10/3/2022	Lead-210	-3.22E+02	5.68E+02	2.05E+03	pCi/kg	U
2254	575134002	4/4/2022	Lead-212	1.60E+03	4.66E+01	4.47E+01	pCi/kg	
2254	594995001	10/3/2022	Lead-212	5.31E+02	3.15E+01	4.14E+01	pCi/kg	
2254	575134002	4/4/2022	Lead-214	1.12E+03	5.79E+01	4.99E+01	pCi/kg	
2254	594995001	10/3/2022	Lead-214	4.48E+02	4.35E+01	5.27E+01	pCi/kg	
2254	575134002	4/4/2022	Manganese-54	2.69E+01	1.50E+01	2.87E+01	pCi/kg	U
2254	594995001	10/3/2022	Manganese-54	4.23E+00	8.79E+00	2.82E+01	pCi/kg	U
2254	575134002	4/4/2022	Molybdenum-99	-9.23E+04	6.63E+04	0.00E+00	pCi/kg	U
2254	594995001	10/3/2022	Molybdenum-99	-6.01E+04	6.27E+04	0.00E+00	pCi/kg	U
2254	575134002	4/4/2022	Niobium-95	-4.54E+00	1.19E+01	3.59E+01	pCi/kg	U
2254	594995001	10/3/2022	Niobium-95	-9.31E+00	1.17E+01	3.38E+01	pCi/kg	U
2254	575134002	4/4/2022	Potassium-40	3.39E+03	3.10E+02	2.67E+02	pCi/kg	
2254	594995001	10/3/2022	Potassium-40	1.24E+03	2.18E+02	2.83E+02	pCi/kg	
2254	575134002	4/4/2022	Radium-226	9.71E+02	5.23E+01	5.03E+01	pCi/kg	
2254	594995001	10/3/2022	Radium-226	4.48E+02	4.35E+01	5.27E+01	pCi/kg	
2254	575134002	4/4/2022	Radium-228	1.43E+03	1.07E+02	9.11E+01	pCi/kg	
2254	594995001	10/3/2022	Radium-228	5.59E+02	8.62E+01	1.00E+02	pCi/kg	
2254	575134002	4/4/2022	Ruthenium-103	1.50E+01	1.06E+01	4.07E+01	pCi/kg	U
2254	594995001	10/3/2022	Ruthenium-103	4.75E-01	9.73E+00	3.34E+01	pCi/kg	U
2254	575134002	4/4/2022	Ruthenium-106	-1.10E+02	6.67E+01	2.14E+02	pCi/kg	U
2254	594995001	10/3/2022	Ruthenium-106	8.76E+01	6.67E+01	2.44E+02	pCi/kg	U
2254	575134002	4/4/2022	Selenium-75	1.73E+00	1.03E+01	3.63E+01	pCi/kg	U
2254	594995001	10/3/2022	Selenium-75	-9.28E-01	1.00E+01	3.64E+01	pCi/kg	U

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2254	575134002	4/4/2022	Silver-108m	-3.00E+00	7.18E+00	2.33E+01	pCi/kg	U
2254	594995001	10/3/2022	Silver-108m	-7.46E-02	6.47E+00	2.24E+01	pCi/kg	U
2254	575134002	4/4/2022	Silver-110m	1.68E+01	1.36E+01	4.55E+01	pCi/kg	U
2254	594995001	10/3/2022	Silver-110m	5.03E+00	1.17E+01	4.16E+01	pCi/kg	U
2254	575134002	4/4/2022	Tellurium-132	5.28E+02	2.61E+03	9.27E+03	pCi/kg	U
2254	594995001	10/3/2022	Tellurium-132	-1.25E+03	2.18E+03	7.88E+03	pCi/kg	U
2254	575134002	4/4/2022	Thallium-208	4.76E+02	2.98E+01	2.43E+01	pCi/kg	
2254	594995001	10/3/2022	Thallium-208	1.36E+02	2.18E+01	2.37E+01	pCi/kg	
2254	575134002	4/4/2022	Thorium-228	1.60E+03	4.66E+01	4.47E+01	pCi/kg	
2254	594995001	10/3/2022	Thorium-228	5.31E+02	3.15E+01	4.14E+01	pCi/kg	
2254	575134002	4/4/2022	Thorium-230	9.71E+02	5.23E+01	5.03E+01	pCi/kg	
2254	594995001	10/3/2022	Thorium-230	4.48E+02	4.35E+01	5.27E+01	pCi/kg	
2254	575134002	4/4/2022	Thorium-232	1.43E+03	1.07E+02	9.11E+01	pCi/kg	
2254	594995001	10/3/2022	Thorium-232	5.59E+02	8.62E+01	1.00E+02	pCi/kg	
2254	575134002	4/4/2022	Thorium-234	1.39E+03	3.89E+02	4.65E+02	pCi/kg	
2254	594995001	10/3/2022	Thorium-234	1.53E+03	6.19E+02	8.35E+02	pCi/kg	UI
2254	575134002	4/4/2022	Uranium-234	9.71E+02	5.23E+01	5.03E+01	pCi/kg	
2254	594995001	10/3/2022	Uranium-234	4.48E+02	4.35E+01	5.27E+01	pCi/kg	
2254	575134002	4/4/2022	Zinc-65	2.97E+01	1.82E+01	6.34E+01	pCi/kg	U
2254	594995001	10/3/2022	Zinc-65	-2.45E+01	2.13E+01	5.36E+01	pCi/kg	U
2254	575134002	4/4/2022	Zirconium-95	-5.18E+00	2.03E+01	6.96E+01	pCi/kg	U
2254	594995001	10/3/2022	Zirconium-95	8.72E+00	1.72E+01	6.25E+01	pCi/kg	U
2255	575134003	4/4/2022	Actinium-228	8.36E+02	9.73E+01	1.29E+02	pCi/kg	
2255	594995002	10/4/2022	Actinium-228	9.83E+02	1.24E+02	1.17E+02	pCi/kg	
2255	575134003	4/4/2022	Americium-241	-9.41E+01	8.75E+01	2.84E+02	pCi/kg	U
2255	594995002	10/4/2022	Americium-241	1.28E+01	9.21E+01	3.36E+02	pCi/kg	U
2255	575134003	4/4/2022	Antimony-124	-3.28E+00	3.11E+01	1.00E+02	pCi/kg	U
2255	594995002	10/4/2022	Antimony-124	-3.87E+01	3.31E+01	8.79E+01	pCi/kg	U
2255	575134003	4/4/2022	Antimony-125	1.90E+01	2.86E+01	1.04E+02	pCi/kg	U
2255	594995002	10/4/2022	Antimony-125	1.96E+01	3.25E+01	1.17E+02	pCi/kg	U
2255	575134003	4/4/2022	Barium-140	1.64E+02	1.64E+02	5.99E+02	pCi/kg	U
2255	594995002	10/4/2022	Barium-140	-3.54E+02	1.67E+02	4.61E+02	pCi/kg	U
2255	575134003	4/4/2022	Beryllium-7	2.03E+02	1.22E+02	4.62E+02	pCi/kg	U
2255	594995002	10/4/2022	Beryllium-7	-1.87E+02	1.28E+02	4.05E+02	pCi/kg	U
2255	575134003	4/4/2022	Bismuth-214	7.87E+02	5.61E+01	6.55E+01	pCi/kg	
2255	594995002	10/4/2022	Bismuth-214	6.90E+02	6.71E+01	6.74E+01	pCi/kg	
2255	575134003	4/4/2022	Cerium-141	-8.85E+01	3.02E+01	9.19E+01	pCi/kg	U
2255	594995002	10/4/2022	Cerium-141	8.51E+01	6.05E+01	9.17E+01	pCi/kg	U
2255	575134003	4/4/2022	Cerium-144	4.02E+01	6.79E+01	2.42E+02	pCi/kg	U
2255	594995002	10/4/2022	Cerium-144	-5.08E+01	7.45E+01	2.51E+02	pCi/kg	U
2255	575134003	4/4/2022	Cesium-134	3.46E+01	1.46E+01	5.59E+01	pCi/kg	U
2255	594995002	10/4/2022	Cesium-134	2.27E+01	2.19E+01	6.29E+01	pCi/kg	U
2255	575134003	4/4/2022	Cesium-137	-4.77E+00	1.21E+01	3.95E+01	pCi/kg	U
2255	594995002	10/4/2022	Cesium-137	6.18E+01	1.45E+01	5.97E+01	pCi/kg	UI
2255	575134003	4/4/2022	Chromium-51	-5.25E+01	1.58E+02	5.59E+02	pCi/kg	U
2255	594995002	10/4/2022	Chromium-51	4.38E+01	1.65E+02	5.94E+02	pCi/kg	U

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2255	575134003	4/4/2022	Cobalt-57	4.82E+00	9.02E+00	3.11E+01	pCi/kg	U
2255	594995002	10/4/2022	Cobalt-57	-3.72E+00	9.17E+00	3.14E+01	pCi/kg	U
2255	575134003	4/4/2022	Cobalt-58	9.68E+00	1.07E+01	3.86E+01	pCi/kg	U
2255	594995002	10/4/2022	Cobalt-58	2.62E+01	1.40E+01	5.28E+01	pCi/kg	U
2255	575134003	4/4/2022	Cobalt-60	-2.89E+00	1.41E+01	4.04E+01	pCi/kg	U
2255	594995002	10/4/2022	Cobalt-60	1.53E+01	1.18E+01	4.50E+01	pCi/kg	U
2255	575134003	4/4/2022	Iodine-131	-2.72E+01	1.05E+02	3.70E+02	pCi/kg	U
2255	594995002	10/4/2022	Iodine-131	1.31E+02	1.03E+02	3.86E+02	pCi/kg	U
2255	575134003	4/4/2022	Iron-59	-7.48E+00	2.90E+01	9.71E+01	pCi/kg	U
2255	594995002	10/4/2022	Iron-59	-1.66E+01	3.14E+01	9.83E+01	pCi/kg	U
2255	575134003	4/4/2022	Lanthanum-140	2.75E+00	7.03E+01	2.33E+02	pCi/kg	U
2255	594995002	10/4/2022	Lanthanum-140	-1.15E+02	5.34E+01	1.14E+02	pCi/kg	U
2255	575134003	4/4/2022	Lead-210	5.02E+03	4.12E+03	1.52E+04	pCi/kg	U
2255	594995002	10/4/2022	Lead-210	-1.27E+03	4.43E+03	1.53E+04	pCi/kg	U
2255	575134003	4/4/2022	Lead-212	8.91E+02	4.93E+01	6.44E+01	pCi/kg	U
2255	594995002	10/4/2022	Lead-212	1.08E+03	5.27E+01	6.84E+01	pCi/kg	U
2255	575134003	4/4/2022	Lead-214	8.91E+02	7.40E+01	2.20E+02	pCi/kg	U
2255	594995002	10/4/2022	Lead-214	8.71E+02	7.09E+01	7.85E+01	pCi/kg	U
2255	575134003	4/4/2022	Manganese-54	-4.15E+00	1.20E+01	3.83E+01	pCi/kg	U
2255	594995002	10/4/2022	Manganese-54	-6.33E-01	1.20E+01	3.90E+01	pCi/kg	U
2255	575134003	4/4/2022	Molybdenum-99	3.84E+05	1.44E+05	0.00E+00	pCi/kg	UI
2255	594995002	10/4/2022	Molybdenum-99	-9.33E+03	7.61E+04	2.50E+05	pCi/kg	U
2255	575134003	4/4/2022	Niobium-95	-9.00E+00	1.53E+01	4.23E+01	pCi/kg	U
2255	594995002	10/4/2022	Niobium-95	-7.55E+00	1.68E+01	4.70E+01	pCi/kg	U
2255	575134003	4/4/2022	Potassium-40	3.50E+03	3.39E+02	3.63E+02	pCi/kg	U
2255	594995002	10/4/2022	Potassium-40	2.71E+03	3.29E+02	3.38E+02	pCi/kg	U
2255	575134003	4/4/2022	Radium-226	7.87E+02	5.61E+01	6.55E+01	pCi/kg	U
2255	594995002	10/4/2022	Radium-226	8.71E+02	7.09E+01	7.85E+01	pCi/kg	U
2255	575134003	4/4/2022	Radium-228	8.36E+02	9.73E+01	1.29E+02	pCi/kg	U
2255	594995002	10/4/2022	Radium-228	9.83E+02	1.24E+02	1.17E+02	pCi/kg	U
2255	575134003	4/4/2022	Ruthenium-103	-2.06E+00	1.47E+01	5.06E+01	pCi/kg	U
2255	594995002	10/4/2022	Ruthenium-103	4.10E+00	1.64E+01	5.73E+01	pCi/kg	U
2255	575134003	4/4/2022	Ruthenium-106	-1.04E+02	1.15E+02	3.68E+02	pCi/kg	U
2255	594995002	10/4/2022	Ruthenium-106	4.69E+01	9.73E+01	3.40E+02	pCi/kg	U
2255	575134003	4/4/2022	Selenium-75	6.96E+00	1.42E+01	4.81E+01	pCi/kg	U
2255	594995002	10/4/2022	Selenium-75	-1.40E+01	1.75E+01	5.50E+01	pCi/kg	U
2255	575134003	4/4/2022	Silver-108m	2.40E-01	9.43E+00	2.95E+01	pCi/kg	U
2255	594995002	10/4/2022	Silver-108m	4.87E+00	9.07E+00	3.25E+01	pCi/kg	U
2255	575134003	4/4/2022	Silver-110m	-5.73E+00	1.61E+01	5.08E+01	pCi/kg	U
2255	594995002	10/4/2022	Silver-110m	-8.32E+00	1.56E+01	4.82E+01	pCi/kg	U
2255	575134003	4/4/2022	Tellurium-132	-6.02E+03	4.03E+03	1.26E+04	pCi/kg	U
2255	594995002	10/4/2022	Tellurium-132	-1.59E+03	3.21E+03	1.04E+04	pCi/kg	U
2255	575134003	4/4/2022	Thallium-208	2.71E+02	3.25E+01	3.22E+01	pCi/kg	U
2255	594995002	10/4/2022	Thallium-208	3.36E+02	3.22E+01	3.75E+01	pCi/kg	U
2255	575134003	4/4/2022	Thorium-228	8.91E+02	4.93E+01	6.44E+01	pCi/kg	U
2255	594995002	10/4/2022	Thorium-228	1.08E+03	5.27E+01	6.84E+01	pCi/kg	U

Table 17: Complete REMP Results – Shoreline Sediment (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2255	575134003	4/4/2022	Thorium-230	7.87E+02	5.61E+01	6.55E+01	pCi/kg	
2255	594995002	10/4/2022	Thorium-230	8.71E+02	7.09E+01	7.85E+01	pCi/kg	
2255	575134003	4/4/2022	Thorium-232	8.36E+02	9.73E+01	1.29E+02	pCi/kg	
2255	594995002	10/4/2022	Thorium-232	9.83E+02	1.24E+02	1.17E+02	pCi/kg	
2255	575134003	4/4/2022	Thorium-234	8.10E+02	1.75E+03	2.27E+03	pCi/kg	U
2255	594995002	10/4/2022	Thorium-234	-2.36E+02	8.23E+02	2.90E+03	pCi/kg	U
2255	575134003	4/4/2022	Uranium-234	7.87E+02	5.61E+01	6.55E+01	pCi/kg	
2255	594995002	10/4/2022	Uranium-234	8.71E+02	7.09E+01	7.85E+01	pCi/kg	
2255	575134003	4/4/2022	Zinc-65	-1.96E+01	2.60E+01	7.05E+01	pCi/kg	U
2255	594995002	10/4/2022	Zinc-65	1.93E+01	2.79E+01	9.11E+01	pCi/kg	U
2255	575134003	4/4/2022	Zirconium-95	1.67E+01	2.69E+01	9.35E+01	pCi/kg	U
2255	594995002	10/4/2022	Zirconium-95	-3.27E+01	2.89E+01	8.73E+01	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	585562002	7/11/2022	Actinium-228	1.14E+03	1.21E+02	1.52E+02	pCi/kg	
2102	585562002	7/11/2022	Americium-241	-1.16E+02	9.59E+01	2.75E+02	pCi/kg	U
2102	585562002	7/11/2022	Antimony-124	-2.84E+01	3.14E+01	8.80E+01	pCi/kg	U
2102	585562002	7/11/2022	Antimony-125	-7.51E+01	3.66E+01	1.05E+02	pCi/kg	U
2102	585562002	7/11/2022	Barium-140	2.44E+02	1.98E+02	6.80E+02	pCi/kg	U
2102	585562002	7/11/2022	Beryllium-7	-4.10E+01	1.54E+02	4.88E+02	pCi/kg	U
2102	585562002	7/11/2022	Bismuth-214	7.84E+02	6.82E+01	8.54E+01	pCi/kg	
2102	585562002	7/11/2022	Cerium-141	2.87E+01	3.25E+01	1.15E+02	pCi/kg	U
2102	585562002	7/11/2022	Cerium-144	9.91E+00	9.00E+01	2.84E+02	pCi/kg	U
2102	585562002	7/11/2022	Cesium-134	4.95E+01	1.84E+01	6.95E+01	pCi/kg	U
2102	585562002	7/11/2022	Cesium-137	1.71E+02	3.11E+01	5.13E+01	pCi/kg	M
2102	585562002	7/11/2022	Chromium-51	1.20E+02	1.98E+02	6.73E+02	pCi/kg	U
2102	585562002	7/11/2022	Cobalt-57	1.66E+01	9.90E+00	3.63E+01	pCi/kg	U
2102	585562002	7/11/2022	Cobalt-58	1.67E+00	1.63E+01	5.43E+01	pCi/kg	U
2102	585562002	7/11/2022	Cobalt-60	-9.62E+00	1.63E+01	5.21E+01	pCi/kg	U
2102	585562002	7/11/2022	Iodine-131	4.30E+01	1.36E+02	4.05E+02	pCi/kg	U
2102	585562002	7/11/2022	Iron-59	-4.43E+01	3.90E+01	1.13E+02	pCi/kg	U
2102	585562002	7/11/2022	Lanthanum-140	2.33E+02	5.65E+01	2.30E+02	pCi/kg	UI
2102	585562002	7/11/2022	Lead-210	3.68E+03	3.09E+03	1.06E+04	pCi/kg	U
2102	585562002	7/11/2022	Lead-212	1.05E+03	5.63E+01	7.12E+01	pCi/kg	
2102	585562002	7/11/2022	Lead-214	1.15E+03	8.08E+01	2.62E+02	pCi/kg	
2102	585562002	7/11/2022	Manganese-54	1.32E+01	1.59E+01	5.51E+01	pCi/kg	U
2102	585562002	7/11/2022	Molybdenum-99	-6.44E+04	1.01E+05	3.24E+05	pCi/kg	U
2102	585562002	7/11/2022	Niobium-95	7.69E+00	2.22E+01	6.67E+01	pCi/kg	U
2102	585562002	7/11/2022	Potassium-40	1.02E+04	5.82E+02	4.22E+02	pCi/kg	

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2102	585562002	7/11/2022	Radium-226	7.84E+02	6.82E+01	8.54E+01	pCi/kg	
2102	585562002	7/11/2022	Radium-228	1.14E+03	1.21E+02	1.52E+02	pCi/kg	
2102	585562002	7/11/2022	Ruthenium-103	-1.27E+01	1.77E+01	5.39E+01	pCi/kg	U
2102	585562002	7/11/2022	Ruthenium-106	1.09E+02	1.15E+02	4.09E+02	pCi/kg	U
2102	585562002	7/11/2022	Selenium-75	5.46E-01	1.89E+01	6.06E+01	pCi/kg	U
2102	585562002	7/11/2022	Silver-108m	-7.19E+00	1.19E+01	3.72E+01	pCi/kg	U
2102	585562002	7/11/2022	Silver-110m	2.26E+01	3.55E+01	6.48E+01	pCi/kg	U
2102	585562002	7/11/2022	Tellurium-132	-3.63E+03	3.89E+03	1.28E+04	pCi/kg	U
2102	585562002	7/11/2022	Thallium-208	2.42E+02	4.05E+01	5.14E+01	pCi/kg	
2102	585562002	7/11/2022	Thorium-228	1.05E+03	5.63E+01	7.12E+01	pCi/kg	
2102	585562002	7/11/2022	Thorium-230	7.84E+02	6.82E+01	8.54E+01	pCi/kg	
2102	585562002	7/11/2022	Thorium-232	1.14E+03	1.21E+02	1.52E+02	pCi/kg	
2102	585562002	7/11/2022	Thorium-234	9.14E+01	1.48E+03	2.23E+03	pCi/kg	U
2102	585562002	7/11/2022	Uranium-234	7.84E+02	6.82E+01	8.54E+01	pCi/kg	
2102	585562002	7/11/2022	Zinc-65	-5.17E+01	3.65E+01	8.31E+01	pCi/kg	U
2102	585562002	7/11/2022	Zirconium-95	2.22E+02	5.88E+01	1.18E+02	pCi/kg	UI
2106	585562001	7/11/2022	Actinium-228	9.39E+02	1.13E+02	1.32E+02	pCi/kg	
2106	585562001	7/11/2022	Americium-241	-6.36E+00	7.14E+01	2.39E+02	pCi/kg	U
2106	585562001	7/11/2022	Antimony-124	-4.50E+01	3.08E+01	7.57E+01	pCi/kg	U
2106	585562001	7/11/2022	Antimony-125	-6.46E+01	3.29E+01	9.91E+01	pCi/kg	U
2106	585562001	7/11/2022	Barium-140	-2.40E+02	1.60E+02	4.73E+02	pCi/kg	U
2106	585562001	7/11/2022	Beryllium-7	1.89E+02	1.43E+02	5.12E+02	pCi/kg	U
2106	585562001	7/11/2022	Bismuth-214	8.80E+02	6.46E+01	7.62E+01	pCi/kg	
2106	585562001	7/11/2022	Cerium-141	1.29E+01	2.78E+01	1.01E+02	pCi/kg	U
2106	585562001	7/11/2022	Cerium-144	-3.62E+00	6.83E+01	2.35E+02	pCi/kg	U
2106	585562001	7/11/2022	Cesium-134	2.17E+01	1.43E+01	5.14E+01	pCi/kg	U
2106	585562001	7/11/2022	Cesium-137	3.17E+02	3.45E+01	4.84E+01	pCi/kg	
2106	585562001	7/11/2022	Chromium-51	-5.91E+00	1.74E+02	5.99E+02	pCi/kg	U
2106	585562001	7/11/2022	Cobalt-57	-3.98E+00	8.79E+00	3.13E+01	pCi/kg	U
2106	585562001	7/11/2022	Cobalt-58	1.10E+01	1.24E+01	4.35E+01	pCi/kg	U
2106	585562001	7/11/2022	Cobalt-60	-1.34E+01	1.28E+01	3.82E+01	pCi/kg	U
2106	585562001	7/11/2022	Iodine-131	6.40E+02	1.87E+02	3.81E+02	pCi/kg	UI
2106	585562001	7/11/2022	Iron-59	5.72E+01	3.99E+01	1.22E+02	pCi/kg	U
2106	585562001	7/11/2022	Lanthanum-140	-3.85E+01	5.80E+01	1.75E+02	pCi/kg	U
2106	585562001	7/11/2022	Lead-210	-2.83E+03	2.62E+03	7.58E+03	pCi/kg	U
2106	585562001	7/11/2022	Lead-212	7.59E+02	4.68E+01	6.80E+01	pCi/kg	
2106	585562001	7/11/2022	Lead-214	1.05E+03	7.54E+01	8.83E+01	pCi/kg	
2106	585562001	7/11/2022	Manganese-54	7.72E+00	1.37E+01	4.16E+01	pCi/kg	U
2106	585562001	7/11/2022	Molybdenum-99	-1.07E+04	8.63E+04	2.46E+05	pCi/kg	U
2106	585562001	7/11/2022	Niobium-95	5.94E+00	1.56E+01	4.68E+01	pCi/kg	U
2106	585562001	7/11/2022	Potassium-40	5.08E+03	3.97E+02	3.03E+02	pCi/kg	
2106	585562001	7/11/2022	Radium-226	8.80E+02	6.46E+01	7.62E+01	pCi/kg	
2106	585562001	7/11/2022	Radium-228	9.39E+02	1.13E+02	1.32E+02	pCi/kg	
2106	585562001	7/11/2022	Ruthenium-103	-8.12E+00	1.75E+01	5.71E+01	pCi/kg	U
2106	585562001	7/11/2022	Ruthenium-106	7.08E+00	1.16E+02	3.84E+02	pCi/kg	U
2106	585562001	7/11/2022	Selenium-75	-2.45E+01	1.66E+01	5.44E+01	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2106	585562001	7/11/2022	Silver-108m	1.05E+00	1.10E+01	3.72E+01	pCi/kg	U
2106	585562001	7/11/2022	Silver-110m	-7.68E+00	1.75E+01	5.40E+01	pCi/kg	U
2106	585562001	7/11/2022	Tellurium-132	1.58E+03	3.27E+03	1.16E+04	pCi/kg	U
2106	585562001	7/11/2022	Thallium-208	2.72E+02	2.79E+01	4.24E+01	pCi/kg	
2106	585562001	7/11/2022	Thorium-228	7.59E+02	4.68E+01	6.80E+01	pCi/kg	
2106	585562001	7/11/2022	Thorium-230	8.80E+02	6.46E+01	7.62E+01	pCi/kg	
2106	585562001	7/11/2022	Thorium-232	9.39E+02	1.13E+02	1.32E+02	pCi/kg	
2106	585562001	7/11/2022	Thorium-234	1.95E+02	1.01E+03	1.98E+03	pCi/kg	U
2106	585562001	7/11/2022	Uranium-234	8.80E+02	6.46E+01	7.62E+01	pCi/kg	
2106	585562001	7/11/2022	Zinc-65	1.22E+01	3.00E+01	9.37E+01	pCi/kg	U
2106	585562001	7/11/2022	Zirconium-95	1.08E+01	2.70E+01	9.03E+01	pCi/kg	U
2107	585562004	7/11/2022	Actinium-228	6.46E+02	8.82E+01	1.18E+02	pCi/kg	
2107	585562004	7/11/2022	Americium-241	6.91E+01	4.26E+01	1.59E+02	pCi/kg	U
2107	585562004	7/11/2022	Antimony-124	1.30E+01	2.24E+01	8.23E+01	pCi/kg	U
2107	585562004	7/11/2022	Antimony-125	-1.28E+00	2.24E+01	7.85E+01	pCi/kg	U
2107	585562004	7/11/2022	Barium-140	1.22E+01	1.32E+02	4.56E+02	pCi/kg	U
2107	585562004	7/11/2022	Beryllium-7	7.40E+02	2.33E+02	3.13E+02	pCi/kg	UI
2107	585562004	7/11/2022	Bismuth-214	6.17E+02	5.49E+01	5.35E+01	pCi/kg	
2107	585562004	7/11/2022	Cerium-141	-4.45E+00	2.05E+01	7.19E+01	pCi/kg	U
2107	585562004	7/11/2022	Cerium-144	-1.63E+01	4.96E+01	1.74E+02	pCi/kg	U
2107	585562004	7/11/2022	Cesium-134	3.63E+01	2.12E+01	4.92E+01	pCi/kg	U
2107	585562004	7/11/2022	Cesium-137	-4.18E+00	1.04E+01	3.41E+01	pCi/kg	U
2107	585562004	7/11/2022	Chromium-51	-1.38E+02	1.21E+02	4.16E+02	pCi/kg	U
2107	585562004	7/11/2022	Cobalt-57	1.12E+00	6.25E+00	2.25E+01	pCi/kg	U
2107	585562004	7/11/2022	Cobalt-58	-1.35E+01	9.34E+00	2.89E+01	pCi/kg	U
2107	585562004	7/11/2022	Cobalt-60	-1.63E+01	1.22E+01	2.83E+01	pCi/kg	U
2107	585562004	7/11/2022	Iodine-131	-1.30E+02	7.18E+01	2.31E+02	pCi/kg	U
2107	585562004	7/11/2022	Iron-59	-2.23E+01	2.84E+01	7.59E+01	pCi/kg	U
2107	585562004	7/11/2022	Lanthanum-140	1.12E+01	4.42E+01	1.48E+02	pCi/kg	U
2107	585562004	7/11/2022	Lead-210	6.37E+02	1.21E+03	4.52E+03	pCi/kg	U
2107	585562004	7/11/2022	Lead-212	6.18E+02	3.71E+01	5.26E+01	pCi/kg	
2107	585562004	7/11/2022	Lead-214	8.67E+02	6.02E+01	1.80E+02	pCi/kg	
2107	585562004	7/11/2022	Manganese-54	-3.61E+00	9.72E+00	3.33E+01	pCi/kg	U
2107	585562004	7/11/2022	Molybdenum-99	5.49E+03	6.21E+04	2.07E+05	pCi/kg	U
2107	585562004	7/11/2022	Niobium-95	-7.24E+00	1.22E+01	3.31E+01	pCi/kg	U
2107	585562004	7/11/2022	Potassium-40	3.68E+03	3.15E+02	3.30E+02	pCi/kg	
2107	585562004	7/11/2022	Radium-226	6.17E+02	5.49E+01	5.35E+01	pCi/kg	
2107	585562004	7/11/2022	Radium-228	6.46E+02	8.82E+01	1.18E+02	pCi/kg	
2107	585562004	7/11/2022	Ruthenium-103	8.38E-01	1.19E+01	4.13E+01	pCi/kg	U
2107	585562004	7/11/2022	Ruthenium-106	-1.05E+02	8.49E+01	2.62E+02	pCi/kg	U
2107	585562004	7/11/2022	Selenium-75	9.37E+00	1.22E+01	4.23E+01	pCi/kg	U
2107	585562004	7/11/2022	Silver-108m	2.50E+00	7.23E+00	2.59E+01	pCi/kg	U
2107	585562004	7/11/2022	Silver-110m	-5.19E+00	1.18E+01	3.98E+01	pCi/kg	U
2107	585562004	7/11/2022	Tellurium-132	-1.17E+03	2.42E+03	8.01E+03	pCi/kg	U
2107	585562004	7/11/2022	Thallium-208	1.86E+02	2.46E+01	3.17E+01	pCi/kg	
2107	585562004	7/11/2022	Thorium-228	6.18E+02	3.71E+01	5.26E+01	pCi/kg	

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2107	585562004	7/11/2022	Thorium-230	6.17E+02	5.49E+01	5.35E+01	pCi/kg	
2107	585562004	7/11/2022	Thorium-232	6.46E+02	8.82E+01	1.18E+02	pCi/kg	
2107	585562004	7/11/2022	Thorium-234	1.61E+03	9.62E+02	1.30E+03	pCi/kg	UI
2107	585562004	7/11/2022	Uranium-234	6.17E+02	5.49E+01	5.35E+01	pCi/kg	
2107	585562004	7/11/2022	Zinc-65	-3.34E+01	2.61E+01	6.58E+01	pCi/kg	U
2107	585562004	7/11/2022	Zirconium-95	2.28E+01	1.85E+01	6.76E+01	pCi/kg	U
2112	585562007	7/11/2022	Actinium-228	5.05E+02	1.30E+02	1.53E+02	pCi/kg	
2112	585562007	7/11/2022	Americium-241	-1.65E+02	8.74E+01	2.47E+02	pCi/kg	U
2112	585562007	7/11/2022	Antimony-124	-6.79E+01	3.22E+01	6.40E+01	pCi/kg	U
2112	585562007	7/11/2022	Antimony-125	6.75E+00	4.22E+01	1.24E+02	pCi/kg	U
2112	585562007	7/11/2022	Barium-140	-1.48E+02	1.82E+02	6.00E+02	pCi/kg	U
2112	585562007	7/11/2022	Beryllium-7	6.97E+02	2.34E+02	4.86E+02	pCi/kg	UI
2112	585562007	7/11/2022	Bismuth-214	9.96E+02	7.61E+01	8.60E+01	pCi/kg	
2112	585562007	7/11/2022	Cerium-141	-6.40E+00	3.00E+01	1.05E+02	pCi/kg	U
2112	585562007	7/11/2022	Cerium-144	-3.68E+00	7.32E+01	2.59E+02	pCi/kg	U
2112	585562007	7/11/2022	Cesium-134	3.20E+01	1.52E+01	5.77E+01	pCi/kg	U
2112	585562007	7/11/2022	Cesium-137	3.72E+02	3.96E+01	4.09E+01	pCi/kg	
2112	585562007	7/11/2022	Chromium-51	1.70E+02	1.90E+02	6.63E+02	pCi/kg	U
2112	585562007	7/11/2022	Cobalt-57	-1.04E+01	9.39E+00	3.23E+01	pCi/kg	U
2112	585562007	7/11/2022	Cobalt-58	2.68E+01	2.01E+01	5.08E+01	pCi/kg	U
2112	585562007	7/11/2022	Cobalt-60	2.08E+01	7.74E+00	3.61E+01	pCi/kg	U
2112	585562007	7/11/2022	Iodine-131	-1.57E+01	1.18E+02	3.90E+02	pCi/kg	U
2112	585562007	7/11/2022	Iron-59	3.63E+01	3.44E+01	1.23E+02	pCi/kg	U
2112	585562007	7/11/2022	Lanthanum-140	-5.14E+01	7.82E+01	2.42E+02	pCi/kg	U
2112	585562007	7/11/2022	Lead-210	8.24E+01	2.79E+03	9.21E+03	pCi/kg	U
2112	585562007	7/11/2022	Lead-212	7.27E+02	4.98E+01	6.77E+01	pCi/kg	
2112	585562007	7/11/2022	Lead-214	1.12E+03	7.83E+01	9.19E+01	pCi/kg	
2112	585562007	7/11/2022	Manganese-54	2.00E+01	1.43E+01	5.19E+01	pCi/kg	U
2112	585562007	7/11/2022	Molybdenum-99	-2.23E+04	8.65E+04	2.85E+05	pCi/kg	U
2112	585562007	7/11/2022	Niobium-95	1.94E+00	2.17E+01	6.62E+01	pCi/kg	U
2112	585562007	7/11/2022	Potassium-40	2.39E+03	3.61E+02	4.14E+02	pCi/kg	
2112	585562007	7/11/2022	Radium-226	9.96E+02	7.61E+01	8.60E+01	pCi/kg	
2112	585562007	7/11/2022	Radium-228	5.05E+02	1.30E+02	1.53E+02	pCi/kg	
2112	585562007	7/11/2022	Ruthenium-103	3.53E+01	1.93E+01	6.93E+01	pCi/kg	U
2112	585562007	7/11/2022	Ruthenium-106	1.17E+01	1.05E+02	3.60E+02	pCi/kg	U
2112	585562007	7/11/2022	Selenium-75	-1.47E+01	1.84E+01	5.70E+01	pCi/kg	U
2112	585562007	7/11/2022	Silver-108m	7.25E+00	1.23E+01	3.75E+01	pCi/kg	U
2112	585562007	7/11/2022	Silver-110m	-2.48E+00	1.75E+01	5.72E+01	pCi/kg	U
2112	585562007	7/11/2022	Tellurium-132	2.99E+03	3.49E+03	1.24E+04	pCi/kg	U
2112	585562007	7/11/2022	Thallium-208	2.62E+02	2.83E+01	4.30E+01	pCi/kg	
2112	585562007	7/11/2022	Thorium-228	7.27E+02	4.98E+01	6.77E+01	pCi/kg	
2112	585562007	7/11/2022	Thorium-230	9.96E+02	7.61E+01	8.60E+01	pCi/kg	
2112	585562007	7/11/2022	Thorium-232	5.05E+02	1.30E+02	1.53E+02	pCi/kg	
2112	585562007	7/11/2022	Thorium-234	5.03E+03	1.93E+03	2.11E+03	pCi/kg	UI
2112	585562007	7/11/2022	Uranium-234	9.96E+02	7.61E+01	8.60E+01	pCi/kg	
2112	585562007	7/11/2022	Zinc-65	2.72E+01	3.03E+01	9.63E+01	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2112	585562007	7/11/2022	Zirconium-95	-3.54E+01	2.83E+01	8.59E+01	pCi/kg	U
2115	585562005	7/11/2022	Actinium-228	7.53E+02	1.15E+02	1.20E+02	pCi/kg	
2115	585562005	7/11/2022	Americium-241	6.59E+01	4.88E+01	1.81E+02	pCi/kg	U
2115	585562005	7/11/2022	Antimony-124	5.46E+00	2.73E+01	9.10E+01	pCi/kg	U
2115	585562005	7/11/2022	Antimony-125	1.35E+00	3.01E+01	1.04E+02	pCi/kg	U
2115	585562005	7/11/2022	Barium-140	1.13E+02	1.55E+02	5.46E+02	pCi/kg	U
2115	585562005	7/11/2022	Beryllium-7	-4.43E+00	1.18E+02	4.03E+02	pCi/kg	U
2115	585562005	7/11/2022	Bismuth-214	7.89E+02	6.51E+01	7.96E+01	pCi/kg	
2115	585562005	7/11/2022	Cerium-141	-2.78E+01	2.63E+01	7.86E+01	pCi/kg	U
2115	585562005	7/11/2022	Cerium-144	-1.54E+01	6.27E+01	2.11E+02	pCi/kg	U
2115	585562005	7/11/2022	Cesium-134	6.32E+01	2.14E+01	6.15E+01	pCi/kg	UI
2115	585562005	7/11/2022	Cesium-137	4.19E+02	3.12E+01	4.13E+01	pCi/kg	
2115	585562005	7/11/2022	Chromium-51	-7.58E+01	1.47E+02	5.08E+02	pCi/kg	U
2115	585562005	7/11/2022	Cobalt-57	-4.55E+00	7.78E+00	2.61E+01	pCi/kg	U
2115	585562005	7/11/2022	Cobalt-58	-7.39E+00	1.43E+01	4.44E+01	pCi/kg	U
2115	585562005	7/11/2022	Cobalt-60	9.24E+00	9.80E+00	3.60E+01	pCi/kg	U
2115	585562005	7/11/2022	Iodine-131	1.83E+02	6.58E+01	3.14E+02	pCi/kg	U
2115	585562005	7/11/2022	Iron-59	5.32E+01	2.78E+01	1.09E+02	pCi/kg	U
2115	585562005	7/11/2022	Lanthanum-140	-1.06E+02	5.33E+01	1.26E+02	pCi/kg	U
2115	585562005	7/11/2022	Lead-210	4.56E+03	2.97E+03	3.92E+03	pCi/kg	UI
2115	585562005	7/11/2022	Lead-212	9.67E+02	4.91E+01	6.18E+01	pCi/kg	
2115	585562005	7/11/2022	Lead-214	8.50E+02	6.58E+01	8.36E+01	pCi/kg	
2115	585562005	7/11/2022	Manganese-54	1.35E+01	1.08E+01	3.85E+01	pCi/kg	U
2115	585562005	7/11/2022	Molybdenum-99	-3.70E+03	7.66E+04	2.50E+05	pCi/kg	U
2115	585562005	7/11/2022	Niobium-95	-4.75E+00	1.29E+01	4.09E+01	pCi/kg	U
2115	585562005	7/11/2022	Potassium-40	5.40E+03	3.95E+02	3.65E+02	pCi/kg	
2115	585562005	7/11/2022	Radium-226	7.89E+02	6.51E+01	7.96E+01	pCi/kg	
2115	585562005	7/11/2022	Radium-228	7.53E+02	1.15E+02	1.20E+02	pCi/kg	
2115	585562005	7/11/2022	Ruthenium-103	-1.36E+01	1.45E+01	4.64E+01	pCi/kg	U
2115	585562005	7/11/2022	Ruthenium-106	1.71E+02	9.76E+01	3.62E+02	pCi/kg	U
2115	585562005	7/11/2022	Selenium-75	-3.11E+00	1.58E+01	5.05E+01	pCi/kg	U
2115	585562005	7/11/2022	Silver-108m	-4.30E+00	8.74E+00	2.93E+01	pCi/kg	U
2115	585562005	7/11/2022	Silver-110m	-3.12E+00	1.55E+01	5.28E+01	pCi/kg	U
2115	585562005	7/11/2022	Tellurium-132	3.22E+03	3.14E+03	1.07E+04	pCi/kg	U
2115	585562005	7/11/2022	Thallium-208	2.59E+02	3.47E+01	3.56E+01	pCi/kg	
2115	585562005	7/11/2022	Thorium-228	9.67E+02	4.91E+01	6.18E+01	pCi/kg	
2115	585562005	7/11/2022	Thorium-230	7.89E+02	6.51E+01	7.96E+01	pCi/kg	
2115	585562005	7/11/2022	Thorium-232	7.53E+02	1.15E+02	1.20E+02	pCi/kg	
2115	585562005	7/11/2022	Thorium-234	1.58E+03	7.52E+02	1.39E+03	pCi/kg	UI
2115	585562005	7/11/2022	Uranium-234	7.89E+02	6.51E+01	7.96E+01	pCi/kg	
2115	585562005	7/11/2022	Zinc-65	-4.82E+00	2.53E+01	7.35E+01	pCi/kg	U
2115	585562005	7/11/2022	Zirconium-95	3.30E+00	2.43E+01	8.02E+01	pCi/kg	U
2116	585562013	8/8/2022	Actinium-228	1.16E+03	1.13E+02	1.17E+02	pCi/kg	
2116	585562013	8/8/2022	Americium-241	-5.80E+00	4.63E+01	1.53E+02	pCi/kg	U
2116	585562013	8/8/2022	Antimony-124	-8.47E+00	2.32E+01	7.18E+01	pCi/kg	U
2116	585562013	8/8/2022	Antimony-125	-7.82E+00	2.70E+01	9.23E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2116	585562013	8/8/2022	Barium-140	1.88E+02	1.34E+02	4.89E+02	pCi/kg	U
2116	585562013	8/8/2022	Beryllium-7	1.95E+02	1.17E+02	4.33E+02	pCi/kg	U
2116	585562013	8/8/2022	Bismuth-214	7.47E+02	6.54E+01	7.68E+01	pCi/kg	
2116	585562013	8/8/2022	Cerium-141	-2.00E+01	2.60E+01	7.90E+01	pCi/kg	U
2116	585562013	8/8/2022	Cerium-144	-3.77E+01	6.37E+01	2.13E+02	pCi/kg	U
2116	585562013	8/8/2022	Cesium-134	3.31E+01	1.46E+01	5.39E+01	pCi/kg	U
2116	585562013	8/8/2022	Cesium-137	1.52E+01	1.32E+01	4.68E+01	pCi/kg	U
2116	585562013	8/8/2022	Chromium-51	9.43E+01	1.32E+02	4.81E+02	pCi/kg	U
2116	585562013	8/8/2022	Cobalt-57	4.48E+00	7.28E+00	2.55E+01	pCi/kg	U
2116	585562013	8/8/2022	Cobalt-58	-1.64E+01	1.26E+01	3.72E+01	pCi/kg	U
2116	585562013	8/8/2022	Cobalt-60	-6.27E+00	1.13E+01	3.61E+01	pCi/kg	U
2116	585562013	8/8/2022	Iodine-131	3.48E+01	7.39E+01	2.64E+02	pCi/kg	U
2116	585562013	8/8/2022	Iron-59	7.06E+01	3.48E+01	1.01E+02	pCi/kg	U
2116	585562013	8/8/2022	Lanthanum-140	3.73E+00	4.00E+01	1.34E+02	pCi/kg	U
2116	585562013	8/8/2022	Lead-210	-1.32E+03	1.13E+03	3.80E+03	pCi/kg	U
2116	585562013	8/8/2022	Lead-212	1.17E+03	4.72E+01	5.39E+01	pCi/kg	
2116	585562013	8/8/2022	Lead-214	8.04E+02	6.63E+01	7.80E+01	pCi/kg	
2116	585562013	8/8/2022	Manganese-54	2.53E+01	1.27E+01	4.64E+01	pCi/kg	U
2116	585562013	8/8/2022	Molybdenum-99	1.59E+04	3.74E+04	1.27E+05	pCi/kg	U
2116	585562013	8/8/2022	Niobium-95	-1.82E+00	1.60E+01	5.24E+01	pCi/kg	U
2116	585562013	8/8/2022	Potassium-40	7.39E+03	4.55E+02	3.93E+02	pCi/kg	
2116	585562013	8/8/2022	Radium-226	7.47E+02	6.54E+01	7.68E+01	pCi/kg	
2116	585562013	8/8/2022	Radium-228	1.16E+03	1.13E+02	1.17E+02	pCi/kg	
2116	585562013	8/8/2022	Ruthenium-103	-7.22E+00	1.38E+01	4.59E+01	pCi/kg	U
2116	585562013	8/8/2022	Ruthenium-106	-7.69E+01	1.00E+02	3.22E+02	pCi/kg	U
2116	585562013	8/8/2022	Selenium-75	-1.09E+00	1.42E+01	4.59E+01	pCi/kg	U
2116	585562013	8/8/2022	Silver-108m	1.48E+01	1.08E+01	3.47E+01	pCi/kg	U
2116	585562013	8/8/2022	Silver-110m	-1.10E+01	1.77E+01	5.52E+01	pCi/kg	U
2116	585562013	8/8/2022	Tellurium-132	3.25E+03	1.65E+03	5.46E+03	pCi/kg	U
2116	585562013	8/8/2022	Thallium-208	3.50E+02	3.33E+01	3.65E+01	pCi/kg	
2116	585562013	8/8/2022	Thorium-228	1.17E+03	4.72E+01	5.39E+01	pCi/kg	
2116	585562013	8/8/2022	Thorium-230	7.47E+02	6.54E+01	7.68E+01	pCi/kg	
2116	585562013	8/8/2022	Thorium-232	1.16E+03	1.13E+02	1.17E+02	pCi/kg	
2116	585562013	8/8/2022	Thorium-234	1.65E+03	1.00E+03	1.31E+03	pCi/kg	UI
2116	585562013	8/8/2022	Uranium-234	7.47E+02	6.54E+01	7.68E+01	pCi/kg	
2116	585562013	8/8/2022	Zinc-65	-8.48E+00	2.29E+01	6.61E+01	pCi/kg	U
2116	585562013	8/8/2022	Zirconium-95	6.18E+01	3.67E+01	8.06E+01	pCi/kg	U
2223	585562008	7/11/2022	Actinium-228	6.39E+02	7.32E+01	8.34E+01	pCi/kg	
2223	585562008	7/11/2022	Americium-241	-8.99E+00	5.70E+01	1.61E+02	pCi/kg	U
2223	585562008	7/11/2022	Antimony-124	4.58E+01	2.51E+01	1.04E+02	pCi/kg	U
2223	585562008	7/11/2022	Antimony-125	7.13E+00	2.31E+01	8.17E+01	pCi/kg	U
2223	585562008	7/11/2022	Barium-140	1.60E+02	1.42E+02	4.76E+02	pCi/kg	U
2223	585562008	7/11/2022	Beryllium-7	2.43E+00	8.75E+01	3.01E+02	pCi/kg	U
2223	585562008	7/11/2022	Bismuth-214	5.27E+02	4.46E+01	5.27E+01	pCi/kg	
2223	585562008	7/11/2022	Cerium-141	-2.38E+01	2.20E+01	6.80E+01	pCi/kg	U
2223	585562008	7/11/2022	Cerium-144	-6.91E+01	5.07E+01	1.63E+02	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2223	585562008	7/11/2022	Cesium-134	6.14E+00	1.14E+01	3.90E+01	pCi/kg	U
2223	585562008	7/11/2022	Cesium-137	8.05E+01	1.96E+01	3.69E+01	pCi/kg	M
2223	585562008	7/11/2022	Chromium-51	1.46E+02	1.21E+02	4.18E+02	pCi/kg	U
2223	585562008	7/11/2022	Cobalt-57	1.43E+01	9.72E+00	2.16E+01	pCi/kg	U
2223	585562008	7/11/2022	Cobalt-58	3.51E-01	9.93E+00	3.28E+01	pCi/kg	U
2223	585562008	7/11/2022	Cobalt-60	2.10E+01	1.54E+01	4.32E+01	pCi/kg	U
2223	585562008	7/11/2022	Iodine-131	-3.68E+01	8.35E+01	2.56E+02	pCi/kg	U
2223	585562008	7/11/2022	Iron-59	2.91E+01	3.38E+01	1.16E+02	pCi/kg	U
2223	585562008	7/11/2022	Lanthanum-140	8.45E+00	4.31E+01	1.47E+02	pCi/kg	U
2223	585562008	7/11/2022	Lead-210	3.70E+03	4.27E+03	4.70E+03	pCi/kg	U
2223	585562008	7/11/2022	Lead-212	6.04E+02	3.60E+01	4.97E+01	pCi/kg	
2223	585562008	7/11/2022	Lead-214	4.75E+02	4.81E+01	6.37E+01	pCi/kg	
2223	585562008	7/11/2022	Manganese-54	-1.12E+01	1.12E+01	3.38E+01	pCi/kg	U
2223	585562008	7/11/2022	Molybdenum-99	5.55E+04	5.97E+04	2.14E+05	pCi/kg	U
2223	585562008	7/11/2022	Niobium-95	-2.65E+00	1.53E+01	4.46E+01	pCi/kg	U
2223	585562008	7/11/2022	Potassium-40	7.63E+03	4.25E+02	3.27E+02	pCi/kg	
2223	585562008	7/11/2022	Radium-226	5.27E+02	4.46E+01	5.27E+01	pCi/kg	
2223	585562008	7/11/2022	Radium-228	6.39E+02	7.32E+01	8.34E+01	pCi/kg	
2223	585562008	7/11/2022	Ruthenium-103	3.95E+00	1.17E+01	4.09E+01	pCi/kg	U
2223	585562008	7/11/2022	Ruthenium-106	1.93E+02	8.96E+01	3.43E+02	pCi/kg	U
2223	585562008	7/11/2022	Selenium-75	-1.91E+01	1.46E+01	3.99E+01	pCi/kg	U
2223	585562008	7/11/2022	Silver-108m	3.01E+00	7.53E+00	2.67E+01	pCi/kg	U
2223	585562008	7/11/2022	Silver-110m	-1.98E+00	1.22E+01	3.91E+01	pCi/kg	U
2223	585562008	7/11/2022	Tellurium-132	-5.17E+02	2.56E+03	8.33E+03	pCi/kg	U
2223	585562008	7/11/2022	Thallium-208	2.34E+02	2.56E+01	2.56E+01	pCi/kg	
2223	585562008	7/11/2022	Thorium-228	6.04E+02	3.60E+01	4.97E+01	pCi/kg	
2223	585562008	7/11/2022	Thorium-230	5.27E+02	4.46E+01	5.27E+01	pCi/kg	
2223	585562008	7/11/2022	Thorium-232	6.39E+02	7.32E+01	8.34E+01	pCi/kg	
2223	585562008	7/11/2022	Thorium-234	3.72E+02	7.53E+02	1.26E+03	pCi/kg	U
2223	585562008	7/11/2022	Uranium-234	5.27E+02	4.46E+01	5.27E+01	pCi/kg	
2223	585562008	7/11/2022	Zinc-65	-1.49E+01	2.98E+01	7.92E+01	pCi/kg	U
2223	585562008	7/11/2022	Zirconium-95	8.02E+00	2.28E+01	7.76E+01	pCi/kg	U
2224	585562009	7/11/2022	Actinium-228	1.10E+03	1.44E+02	1.78E+02	pCi/kg	
2224	585562009	7/11/2022	Americium-241	1.24E+02	6.80E+01	2.31E+02	pCi/kg	U
2224	585562009	7/11/2022	Antimony-124	1.89E+01	3.81E+01	1.33E+02	pCi/kg	U
2224	585562009	7/11/2022	Antimony-125	-3.22E+01	3.45E+01	1.07E+02	pCi/kg	U
2224	585562009	7/11/2022	Barium-140	-6.07E+01	2.31E+02	7.32E+02	pCi/kg	U
2224	585562009	7/11/2022	Beryllium-7	2.00E+02	1.63E+02	5.65E+02	pCi/kg	U
2224	585562009	7/11/2022	Bismuth-214	1.03E+03	8.38E+01	8.98E+01	pCi/kg	
2224	585562009	7/11/2022	Cerium-141	-1.01E+02	3.45E+01	9.55E+01	pCi/kg	U
2224	585562009	7/11/2022	Cerium-144	4.34E+01	7.23E+01	2.40E+02	pCi/kg	U
2224	585562009	7/11/2022	Cesium-134	4.15E+01	1.80E+01	6.76E+01	pCi/kg	U
2224	585562009	7/11/2022	Cesium-137	1.45E+02	3.27E+01	5.40E+01	pCi/kg	M
2224	585562009	7/11/2022	Chromium-51	-2.88E+02	1.90E+02	5.96E+02	pCi/kg	U
2224	585562009	7/11/2022	Cobalt-57	1.88E+00	9.62E+00	3.16E+01	pCi/kg	U
2224	585562009	7/11/2022	Cobalt-58	1.16E+01	1.46E+01	5.15E+01	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2224	585562009	7/11/2022	Cobalt-60	2.63E+01	1.80E+01	6.47E+01	pCi/kg	U
2224	585562009	7/11/2022	Iodine-131	-8.64E+01	1.29E+02	4.16E+02	pCi/kg	U
2224	585562009	7/11/2022	Iron-59	2.86E+01	4.36E+01	1.49E+02	pCi/kg	U
2224	585562009	7/11/2022	Lanthanum-140	7.19E-01	7.21E+01	2.38E+02	pCi/kg	U
2224	585562009	7/11/2022	Lead-210	4.35E+03	3.30E+03	5.66E+03	pCi/kg	U
2224	585562009	7/11/2022	Lead-212	1.11E+03	5.41E+01	7.12E+01	pCi/kg	
2224	585562009	7/11/2022	Lead-214	1.26E+03	7.61E+01	2.86E+02	pCi/kg	
2224	585562009	7/11/2022	Manganese-54	-6.06E+00	1.61E+01	5.24E+01	pCi/kg	U
2224	585562009	7/11/2022	Molybdenum-99	-6.09E+04	1.13E+05	3.69E+05	pCi/kg	U
2224	585562009	7/11/2022	Niobium-95	1.40E+01	2.21E+01	6.84E+01	pCi/kg	U
2224	585562009	7/11/2022	Potassium-40	4.14E+03	4.30E+02	4.72E+02	pCi/kg	
2224	585562009	7/11/2022	Radium-226	1.03E+03	8.38E+01	8.98E+01	pCi/kg	
2224	585562009	7/11/2022	Radium-228	1.10E+03	1.44E+02	1.78E+02	pCi/kg	
2224	585562009	7/11/2022	Ruthenium-103	1.33E+00	1.94E+01	6.33E+01	pCi/kg	U
2224	585562009	7/11/2022	Ruthenium-106	1.73E+02	1.29E+02	4.46E+02	pCi/kg	U
2224	585562009	7/11/2022	Selenium-75	1.87E+01	1.86E+01	6.03E+01	pCi/kg	U
2224	585562009	7/11/2022	Silver-108m	-7.65E+00	1.25E+01	3.99E+01	pCi/kg	U
2224	585562009	7/11/2022	Silver-110m	1.33E+01	2.05E+01	7.08E+01	pCi/kg	U
2224	585562009	7/11/2022	Tellurium-132	4.17E+03	3.96E+03	1.29E+04	pCi/kg	U
2224	585562009	7/11/2022	Thallium-208	3.45E+02	3.69E+01	5.22E+01	pCi/kg	
2224	585562009	7/11/2022	Thorium-228	1.11E+03	5.41E+01	7.12E+01	pCi/kg	
2224	585562009	7/11/2022	Thorium-230	1.03E+03	8.38E+01	8.98E+01	pCi/kg	
2224	585562009	7/11/2022	Thorium-232	1.10E+03	1.44E+02	1.78E+02	pCi/kg	
2224	585562009	7/11/2022	Thorium-234	1.02E+03	8.85E+02	1.68E+03	pCi/kg	U
2224	585562009	7/11/2022	Uranium-234	1.03E+03	8.38E+01	8.98E+01	pCi/kg	
2224	585562009	7/11/2022	Zinc-65	1.57E+01	4.31E+01	1.27E+02	pCi/kg	U
2224	585562009	7/11/2022	Zirconium-95	-1.10E+01	3.02E+01	9.87E+01	pCi/kg	U
2225	585562010	7/11/2022	Actinium-228	1.28E+03	1.55E+02	1.48E+02	pCi/kg	
2225	585562010	7/11/2022	Americium-241	8.23E+01	8.16E+01	2.63E+02	pCi/kg	U
2225	585562010	7/11/2022	Antimony-124	-2.07E+01	3.49E+01	1.08E+02	pCi/kg	U
2225	585562010	7/11/2022	Antimony-125	-1.22E+01	3.06E+01	1.02E+02	pCi/kg	U
2225	585562010	7/11/2022	Barium-140	-1.03E+02	1.76E+02	5.70E+02	pCi/kg	U
2225	585562010	7/11/2022	Beryllium-7	2.06E+02	1.39E+02	4.91E+02	pCi/kg	U
2225	585562010	7/11/2022	Bismuth-214	8.83E+02	6.76E+01	8.57E+01	pCi/kg	
2225	585562010	7/11/2022	Cerium-141	-4.83E-01	3.34E+01	1.04E+02	pCi/kg	U
2225	585562010	7/11/2022	Cerium-144	1.18E+01	7.85E+01	2.49E+02	pCi/kg	U
2225	585562010	7/11/2022	Cesium-134	7.88E+01	2.71E+01	6.42E+01	pCi/kg	UI
2225	585562010	7/11/2022	Cesium-137	-7.66E-01	1.55E+01	4.94E+01	pCi/kg	U
2225	585562010	7/11/2022	Chromium-51	2.18E+02	1.89E+02	6.38E+02	pCi/kg	U
2225	585562010	7/11/2022	Cobalt-57	-1.09E+00	1.08E+01	3.43E+01	pCi/kg	U
2225	585562010	7/11/2022	Cobalt-58	-1.36E+00	1.62E+01	5.41E+01	pCi/kg	U
2225	585562010	7/11/2022	Cobalt-60	-3.17E+00	1.37E+01	4.50E+01	pCi/kg	U
2225	585562010	7/11/2022	Iodine-131	1.33E+00	1.16E+02	3.71E+02	pCi/kg	U
2225	585562010	7/11/2022	Iron-59	8.06E+00	3.34E+01	1.11E+02	pCi/kg	U
2225	585562010	7/11/2022	Lanthanum-140	-1.41E+01	6.42E+01	2.07E+02	pCi/kg	U
2225	585562010	7/11/2022	Lead-210	2.93E+03	2.73E+03	9.56E+03	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2225	585562010	7/11/2022	Lead-212	1.53E+03	5.15E+01	6.53E+01	pCi/kg	
2225	585562010	7/11/2022	Lead-214	1.23E+03	7.01E+01	7.38E+01	pCi/kg	
2225	585562010	7/11/2022	Manganese-54	2.15E+01	1.63E+01	5.11E+01	pCi/kg	U
2225	585562010	7/11/2022	Molybdenum-99	3.00E+04	8.11E+04	2.66E+05	pCi/kg	U
2225	585562010	7/11/2022	Niobium-95	3.51E+01	1.93E+01	6.01E+01	pCi/kg	U
2225	585562010	7/11/2022	Potassium-40	1.02E+04	4.97E+02	4.41E+02	pCi/kg	
2225	585562010	7/11/2022	Radium-226	8.83E+02	6.76E+01	8.57E+01	pCi/kg	
2225	585562010	7/11/2022	Radium-228	1.28E+03	1.55E+02	1.48E+02	pCi/kg	
2225	585562010	7/11/2022	Ruthenium-103	2.75E+01	1.38E+01	5.88E+01	pCi/kg	U
2225	585562010	7/11/2022	Ruthenium-106	1.28E+02	1.02E+02	3.55E+02	pCi/kg	U
2225	585562010	7/11/2022	Selenium-75	2.61E+01	1.68E+01	5.83E+01	pCi/kg	U
2225	585562010	7/11/2022	Silver-108m	-6.27E+00	9.86E+00	3.25E+01	pCi/kg	U
2225	585562010	7/11/2022	Silver-110m	-7.47E-02	1.59E+01	5.30E+01	pCi/kg	U
2225	585562010	7/11/2022	Tellurium-132	3.31E+03	3.38E+03	1.16E+04	pCi/kg	U
2225	585562010	7/11/2022	Thallium-208	4.16E+02	3.29E+01	3.71E+01	pCi/kg	
2225	585562010	7/11/2022	Thorium-228	1.53E+03	5.15E+01	6.53E+01	pCi/kg	
2225	585562010	7/11/2022	Thorium-230	8.83E+02	6.76E+01	8.56E+01	pCi/kg	
2225	585562010	7/11/2022	Thorium-232	1.28E+03	1.55E+02	1.48E+02	pCi/kg	
2225	585562010	7/11/2022	Thorium-234	2.34E+03	1.07E+03	2.12E+03	pCi/kg	UI
2225	585562010	7/11/2022	Uranium-234	8.83E+02	6.76E+01	8.56E+01	pCi/kg	
2225	585562010	7/11/2022	Zinc-65	3.86E+01	3.30E+01	1.02E+02	pCi/kg	U
2225	585562010	7/11/2022	Zirconium-95	1.05E+01	3.01E+01	9.79E+01	pCi/kg	U
2229	585562003	7/11/2022	Actinium-228	1.15E+03	1.41E+02	1.67E+02	pCi/kg	
2229	585562003	7/11/2022	Americium-241	-1.15E+02	1.02E+02	3.53E+02	pCi/kg	U
2229	585562003	7/11/2022	Antimony-124	-4.20E+01	3.94E+01	1.10E+02	pCi/kg	U
2229	585562003	7/11/2022	Antimony-125	-1.10E+00	4.22E+01	1.32E+02	pCi/kg	U
2229	585562003	7/11/2022	Barium-140	3.92E+02	2.05E+02	7.66E+02	pCi/kg	U
2229	585562003	7/11/2022	Beryllium-7	1.81E+02	1.58E+02	5.26E+02	pCi/kg	U
2229	585562003	7/11/2022	Bismuth-214	1.07E+03	8.29E+01	7.68E+01	pCi/kg	
2229	585562003	7/11/2022	Cerium-141	-2.60E+01	3.46E+01	1.04E+02	pCi/kg	U
2229	585562003	7/11/2022	Cerium-144	-3.79E+01	8.28E+01	2.80E+02	pCi/kg	U
2229	585562003	7/11/2022	Cesium-134	8.66E+01	2.70E+01	6.47E+01	pCi/kg	UI
2229	585562003	7/11/2022	Cesium-137	2.60E+01	1.65E+01	5.51E+01	pCi/kg	U
2229	585562003	7/11/2022	Chromium-51	4.25E+01	1.77E+02	6.33E+02	pCi/kg	U
2229	585562003	7/11/2022	Cobalt-57	-2.23E+00	1.03E+01	3.51E+01	pCi/kg	U
2229	585562003	7/11/2022	Cobalt-58	2.27E+00	1.66E+01	5.48E+01	pCi/kg	U
2229	585562003	7/11/2022	Cobalt-60	-5.53E-01	1.36E+01	3.99E+01	pCi/kg	U
2229	585562003	7/11/2022	Iodine-131	-9.59E+01	1.29E+02	4.10E+02	pCi/kg	U
2229	585562003	7/11/2022	Iron-59	4.74E+01	3.39E+01	1.20E+02	pCi/kg	U
2229	585562003	7/11/2022	Lanthanum-140	-6.89E+01	6.25E+01	1.76E+02	pCi/kg	U
2229	585562003	7/11/2022	Lead-210	3.09E+03	4.63E+03	1.72E+04	pCi/kg	U
2229	585562003	7/11/2022	Lead-212	1.46E+03	6.06E+01	7.85E+01	pCi/kg	
2229	585562003	7/11/2022	Lead-214	1.37E+03	8.52E+01	2.89E+02	pCi/kg	
2229	585562003	7/11/2022	Manganese-54	2.50E+01	1.51E+01	5.48E+01	pCi/kg	U
2229	585562003	7/11/2022	Molybdenum-99	-1.43E+04	9.08E+04	2.97E+05	pCi/kg	U
2229	585562003	7/11/2022	Niobium-95	-3.34E+00	2.19E+01	6.42E+01	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2229	585562003	7/11/2022	Potassium-40	7.12E+03	5.05E+02	4.58E+02	pCi/kg	
2229	585562003	7/11/2022	Radium-226	1.07E+03	8.29E+01	7.68E+01	pCi/kg	
2229	585562003	7/11/2022	Radium-228	1.15E+03	1.41E+02	1.67E+02	pCi/kg	
2229	585562003	7/11/2022	Ruthenium-103	-1.93E+01	1.82E+01	5.86E+01	pCi/kg	U
2229	585562003	7/11/2022	Ruthenium-106	-2.41E+02	1.24E+02	3.63E+02	pCi/kg	U
2229	585562003	7/11/2022	Selenium-75	1.18E+01	2.17E+01	6.68E+01	pCi/kg	U
2229	585562003	7/11/2022	Silver-108m	-1.14E+01	1.10E+01	3.17E+01	pCi/kg	U
2229	585562003	7/11/2022	Silver-110m	2.75E+01	1.81E+01	6.61E+01	pCi/kg	U
2229	585562003	7/11/2022	Tellurium-132	2.59E+02	4.13E+03	1.37E+04	pCi/kg	U
2229	585562003	7/11/2022	Thallium-208	4.15E+02	3.77E+01	4.28E+01	pCi/kg	
2229	585562003	7/11/2022	Thorium-228	1.46E+03	6.06E+01	7.85E+01	pCi/kg	
2229	585562003	7/11/2022	Thorium-230	1.07E+03	8.29E+01	7.68E+01	pCi/kg	
2229	585562003	7/11/2022	Thorium-232	1.15E+03	1.41E+02	1.67E+02	pCi/kg	
2229	585562003	7/11/2022	Thorium-234	1.03E+03	2.31E+03	2.86E+03	pCi/kg	U
2229	585562003	7/11/2022	Uranium-234	1.07E+03	8.29E+01	7.68E+01	pCi/kg	
2229	585562003	7/11/2022	Zinc-65	2.93E+01	3.27E+01	1.03E+02	pCi/kg	U
2229	585562003	7/11/2022	Zirconium-95	-3.79E+00	2.89E+01	9.45E+01	pCi/kg	U
2233	585562011	7/11/2022	Actinium-228	9.77E+02	1.02E+02	1.27E+02	pCi/kg	
2233	585562011	7/11/2022	Americium-241	7.69E+01	3.92E+01	1.27E+02	pCi/kg	U
2233	585562011	7/11/2022	Antimony-124	-2.37E+00	2.10E+01	6.55E+01	pCi/kg	U
2233	585562011	7/11/2022	Antimony-125	3.40E+01	3.04E+01	1.06E+02	pCi/kg	U
2233	585562011	7/11/2022	Barium-140	-3.81E+01	1.64E+02	5.21E+02	pCi/kg	U
2233	585562011	7/11/2022	Beryllium-7	-4.87E+01	1.20E+02	3.81E+02	pCi/kg	U
2233	585562011	7/11/2022	Bismuth-214	7.63E+02	6.26E+01	7.58E+01	pCi/kg	
2233	585562011	7/11/2022	Cerium-141	3.38E+01	2.61E+01	9.38E+01	pCi/kg	U
2233	585562011	7/11/2022	Cerium-144	-5.90E+01	6.27E+01	2.12E+02	pCi/kg	U
2233	585562011	7/11/2022	Cesium-134	6.00E+01	2.80E+01	5.37E+01	pCi/kg	UI
2233	585562011	7/11/2022	Cesium-137	9.25E+01	2.23E+01	4.18E+01	pCi/kg	M
2233	585562011	7/11/2022	Chromium-51	-1.53E+02	1.56E+02	4.97E+02	pCi/kg	U
2233	585562011	7/11/2022	Cobalt-57	-3.13E+00	8.50E+00	2.89E+01	pCi/kg	U
2233	585562011	7/11/2022	Cobalt-58	6.27E+00	1.30E+01	4.52E+01	pCi/kg	U
2233	585562011	7/11/2022	Cobalt-60	1.77E+01	1.33E+01	4.85E+01	pCi/kg	U
2233	585562011	7/11/2022	Iodine-131	7.00E+01	1.08E+02	3.70E+02	pCi/kg	U
2233	585562011	7/11/2022	Iron-59	5.09E+01	3.39E+01	1.25E+02	pCi/kg	U
2233	585562011	7/11/2022	Lanthanum-140	4.33E+01	5.23E+01	1.70E+02	pCi/kg	U
2233	585562011	7/11/2022	Lead-210	2.24E+03	1.17E+03	2.04E+03	pCi/kg	UI
2233	585562011	7/11/2022	Lead-212	9.25E+02	4.49E+01	6.22E+01	pCi/kg	
2233	585562011	7/11/2022	Lead-214	1.05E+03	7.26E+01	2.30E+02	pCi/kg	
2233	585562011	7/11/2022	Manganese-54	1.23E+01	1.41E+01	4.97E+01	pCi/kg	U
2233	585562011	7/11/2022	Molybdenum-99	3.04E+04	8.30E+04	2.88E+05	pCi/kg	U
2233	585562011	7/11/2022	Niobium-95	-3.30E+01	1.84E+01	5.76E+01	pCi/kg	U
2233	585562011	7/11/2022	Potassium-40	9.41E+03	5.40E+02	3.65E+02	pCi/kg	
2233	585562011	7/11/2022	Radium-226	7.63E+02	6.26E+01	7.58E+01	pCi/kg	
2233	585562011	7/11/2022	Radium-228	9.77E+02	1.02E+02	1.27E+02	pCi/kg	
2233	585562011	7/11/2022	Ruthenium-103	-1.38E+01	1.55E+01	4.75E+01	pCi/kg	U
2233	585562011	7/11/2022	Ruthenium-106	1.10E+02	1.14E+02	3.86E+02	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2233	585562011	7/11/2022	Selenium-75	3.30E+00	1.66E+01	5.62E+01	pCi/kg	U
2233	585562011	7/11/2022	Silver-108m	3.35E+00	9.78E+00	3.26E+01	pCi/kg	U
2233	585562011	7/11/2022	Silver-110m	7.31E+00	1.47E+01	5.11E+01	pCi/kg	U
2233	585562011	7/11/2022	Tellurium-132	-1.90E+03	2.97E+03	9.85E+03	pCi/kg	U
2233	585562011	7/11/2022	Thallium-208	1.89E+02	3.02E+01	3.72E+01	pCi/kg	U
2233	585562011	7/11/2022	Thorium-228	9.25E+02	4.49E+01	6.22E+01	pCi/kg	U
2233	585562011	7/11/2022	Thorium-230	7.63E+02	6.26E+01	7.58E+01	pCi/kg	U
2233	585562011	7/11/2022	Thorium-232	9.77E+02	1.02E+02	1.27E+02	pCi/kg	U
2233	585562011	7/11/2022	Thorium-234	7.63E+02	7.17E+02	1.18E+03	pCi/kg	U
2233	585562011	7/11/2022	Uranium-234	7.63E+02	6.26E+01	7.58E+01	pCi/kg	U
2233	585562011	7/11/2022	Zinc-65	8.73E+00	3.48E+01	1.03E+02	pCi/kg	U
2233	585562011	7/11/2022	Zirconium-95	-2.32E+01	2.46E+01	7.83E+01	pCi/kg	U
2234	585562012	7/12/2022	Actinium-228	9.97E+02	1.33E+02	1.74E+02	pCi/kg	U
2234	585562012	7/12/2022	Americium-241	2.90E+01	5.93E+01	2.07E+02	pCi/kg	U
2234	585562012	7/12/2022	Antimony-124	6.54E-01	3.34E+01	1.10E+02	pCi/kg	U
2234	585562012	7/12/2022	Antimony-125	-1.89E+01	3.29E+01	9.56E+01	pCi/kg	U
2234	585562012	7/12/2022	Barium-140	4.08E+01	1.75E+02	5.88E+02	pCi/kg	U
2234	585562012	7/12/2022	Beryllium-7	1.17E+02	1.42E+02	4.97E+02	pCi/kg	U
2234	585562012	7/12/2022	Bismuth-214	1.00E+03	8.34E+01	8.43E+01	pCi/kg	U
2234	585562012	7/12/2022	Cerium-141	-3.53E+01	2.59E+01	7.69E+01	pCi/kg	U
2234	585562012	7/12/2022	Cerium-144	1.25E+02	6.10E+01	2.25E+02	pCi/kg	U
2234	585562012	7/12/2022	Cesium-134	5.20E+01	1.74E+01	6.67E+01	pCi/kg	U
2234	585562012	7/12/2022	Cesium-137	1.04E+02	2.36E+01	4.27E+01	pCi/kg	M
2234	585562012	7/12/2022	Chromium-51	1.21E+02	1.67E+02	6.00E+02	pCi/kg	U
2234	585562012	7/12/2022	Cobalt-57	3.72E+00	7.91E+00	2.79E+01	pCi/kg	U
2234	585562012	7/12/2022	Cobalt-58	-4.35E-01	1.53E+01	5.18E+01	pCi/kg	U
2234	585562012	7/12/2022	Cobalt-60	-2.58E+01	1.89E+01	5.31E+01	pCi/kg	U
2234	585562012	7/12/2022	Iodine-131	-8.95E+01	9.86E+01	3.25E+02	pCi/kg	U
2234	585562012	7/12/2022	Iron-59	-2.52E+01	3.46E+01	1.05E+02	pCi/kg	U
2234	585562012	7/12/2022	Lanthanum-140	-1.02E+01	6.99E+01	2.29E+02	pCi/kg	U
2234	585562012	7/12/2022	Lead-210	1.84E+03	2.23E+03	7.15E+03	pCi/kg	U
2234	585562012	7/12/2022	Lead-212	8.76E+02	4.69E+01	6.78E+01	pCi/kg	U
2234	585562012	7/12/2022	Lead-214	1.40E+03	6.96E+01	2.78E+02	pCi/kg	U
2234	585562012	7/12/2022	Manganese-54	9.15E+00	1.44E+01	5.05E+01	pCi/kg	U
2234	585562012	7/12/2022	Molybdenum-99	-2.32E+04	6.43E+04	2.15E+05	pCi/kg	U
2234	585562012	7/12/2022	Niobium-95	1.01E+00	1.83E+01	5.56E+01	pCi/kg	U
2234	585562012	7/12/2022	Potassium-40	4.90E+03	4.78E+02	5.03E+02	pCi/kg	U
2234	585562012	7/12/2022	Radium-226	1.00E+03	8.34E+01	8.43E+01	pCi/kg	U
2234	585562012	7/12/2022	Radium-228	9.97E+02	1.33E+02	1.74E+02	pCi/kg	U
2234	585562012	7/12/2022	Ruthenium-103	4.44E+00	1.49E+01	5.09E+01	pCi/kg	U
2234	585562012	7/12/2022	Ruthenium-106	-1.30E+02	1.17E+02	3.51E+02	pCi/kg	U
2234	585562012	7/12/2022	Selenium-75	-3.08E-01	1.65E+01	5.30E+01	pCi/kg	U
2234	585562012	7/12/2022	Silver-108m	-4.27E+00	9.79E+00	3.24E+01	pCi/kg	U
2234	585562012	7/12/2022	Silver-110m	5.71E+00	1.99E+01	6.81E+01	pCi/kg	U
2234	585562012	7/12/2022	Tellurium-132	-9.88E+02	2.73E+03	8.79E+03	pCi/kg	U
2234	585562012	7/12/2022	Thallium-208	2.81E+02	2.88E+01	3.96E+01	pCi/kg	U

Table 18: Complete REMP Results – Soil (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2234	585562012	7/12/2022	Thorium-228	8.76E+02	4.69E+01	6.78E+01	pCi/kg	
2234	585562012	7/12/2022	Thorium-230	1.00E+03	8.34E+01	8.43E+01	pCi/kg	
2234	585562012	7/12/2022	Thorium-232	9.97E+02	1.33E+02	1.74E+02	pCi/kg	
2234	585562012	7/12/2022	Thorium-234	1.04E+03	1.05E+03	1.58E+03	pCi/kg	U
2234	585562012	7/12/2022	Uranium-234	1.00E+03	8.34E+01	8.43E+01	pCi/kg	
2234	585562012	7/12/2022	Zinc-65	3.87E+01	2.77E+01	8.24E+01	pCi/kg	U
2234	585562012	7/12/2022	Zirconium-95	3.88E+01	2.68E+01	1.00E+02	pCi/kg	U
3298	589688010	8/8/2022	Actinium-228	6.62E+02	9.36E+01	1.35E+02	pCi/kg	
3298	589688010	8/8/2022	Americium-241	1.69E+01	4.17E+01	1.41E+02	pCi/kg	U
3298	589688010	8/8/2022	Antimony-124	-2.48E+01	2.85E+01	8.09E+01	pCi/kg	U
3298	589688010	8/8/2022	Antimony-125	1.08E+01	2.30E+01	7.95E+01	pCi/kg	U
3298	589688010	8/8/2022	Barium-140	-1.62E+01	1.87E+02	6.10E+02	pCi/kg	U
3298	589688010	8/8/2022	Beryllium-7	9.36E+01	1.14E+02	3.98E+02	pCi/kg	U
3298	589688010	8/8/2022	Bismuth-214	4.44E+02	4.78E+01	6.47E+01	pCi/kg	
3298	589688010	8/8/2022	Cerium-141	-4.70E+01	2.67E+01	7.17E+01	pCi/kg	U
3298	589688010	8/8/2022	Cerium-144	2.77E+01	5.00E+01	1.72E+02	pCi/kg	U
3298	589688010	8/8/2022	Cesium-134	9.52E+00	1.16E+01	3.79E+01	pCi/kg	U
3298	589688010	8/8/2022	Cesium-137	1.94E+01	1.27E+01	4.48E+01	pCi/kg	U
3298	589688010	8/8/2022	Chromium-51	1.36E+02	1.65E+02	5.89E+02	pCi/kg	U
3298	589688010	8/8/2022	Cobalt-57	7.56E+00	6.77E+00	2.40E+01	pCi/kg	U
3298	589688010	8/8/2022	Cobalt-58	-1.61E+01	1.27E+01	3.87E+01	pCi/kg	U
3298	589688010	8/8/2022	Cobalt-60	-7.08E+00	1.10E+01	3.24E+01	pCi/kg	U
3298	589688010	8/8/2022	Iodine-131	-3.33E+01	1.34E+02	4.49E+02	pCi/kg	U
3298	589688010	8/8/2022	Iron-59	-4.48E+01	3.56E+01	8.27E+01	pCi/kg	U
3298	589688010	8/8/2022	Lanthanum-140	1.37E+01	5.81E+01	1.99E+02	pCi/kg	U
3298	589688010	8/8/2022	Lead-210	1.54E+03	1.25E+03	4.73E+03	pCi/kg	U
3298	589688010	8/8/2022	Lead-212	4.28E+02	3.64E+01	5.69E+01	pCi/kg	
3298	589688010	8/8/2022	Lead-214	4.52E+02	5.74E+01	6.37E+01	pCi/kg	
3298	589688010	8/8/2022	Manganese-54	-6.48E+00	1.17E+01	3.80E+01	pCi/kg	U
3298	589688010	8/8/2022	Molybdenum-99	-2.20E+05	2.56E+05	0.00E+00	pCi/kg	U
3298	589688010	8/8/2022	Niobium-95	2.46E+01	1.42E+01	4.97E+01	pCi/kg	U
3298	589688010	8/8/2022	Potassium-40	3.03E+03	3.09E+02	2.80E+02	pCi/kg	
3298	589688010	8/8/2022	Radium-226	4.44E+02	4.78E+01	6.47E+01	pCi/kg	
3298	589688010	8/8/2022	Radium-228	6.62E+02	9.36E+01	1.35E+02	pCi/kg	
3298	589688010	8/8/2022	Ruthenium-103	1.82E+00	1.31E+01	4.39E+01	pCi/kg	U
3298	589688010	8/8/2022	Ruthenium-106	8.42E+01	1.03E+02	3.51E+02	pCi/kg	U
3298	589688010	8/8/2022	Selenium-75	-5.28E+00	1.46E+01	4.13E+01	pCi/kg	U
3298	589688010	8/8/2022	Silver-108m	1.06E+00	7.20E+00	2.44E+01	pCi/kg	U
3298	589688010	8/8/2022	Silver-110m	-2.07E+01	1.68E+01	4.20E+01	pCi/kg	U
3298	589688010	8/8/2022	Strontium-89	-2.37E-02	3.94E-02	1.35E-01	pCi/g	U
3298	589688010	8/8/2022	Strontium-90	-4.81E-02	4.74E-02	2.01E-01	pCi/g	U
3298	589688010	8/8/2022	Tellurium-132	3.96E+03	8.58E+03	0.00E+00	pCi/kg	UI
3298	589688010	8/8/2022	Thallium-208	1.14E+02	2.05E+01	2.89E+01	pCi/kg	
3298	589688010	8/8/2022	Thorium-228	4.28E+02	3.64E+01	5.69E+01	pCi/kg	
3298	589688010	8/8/2022	Thorium-230	4.44E+02	4.78E+01	6.47E+01	pCi/kg	
3298	589688010	8/8/2022	Thorium-232	6.62E+02	9.36E+01	1.35E+02	pCi/kg	

Table 18: Complete REMP Results – Soil (pCi/kg)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
3298	589688010	8/8/2022	Thorium-234	1.10E+01	7.67E+02	1.10E+03	pCi/kg	U
3298	589688010	8/8/2022	Uranium-234	4.44E+02	4.78E+01	6.47E+01	pCi/kg	
3298	589688010	8/8/2022	Zinc-65	-3.76E+01	2.81E+01	6.48E+01	pCi/kg	U
3298	589688010	8/8/2022	Zirconium-95	1.47E+01	2.36E+01	8.39E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)								
Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2126	567641001	1/19/2022	Actinium-228	4.26E+00	1.54E+01	3.58E+01	pCi/kg	U
2126	570267001	2/16/2022	Actinium-228	5.62E+01	3.54E+01	1.18E+02	pCi/kg	U
2126	573045001	3/15/2022	Actinium-228	5.54E+01	8.47E+01	1.57E+02	pCi/kg	U
2126	576095002	4/13/2022	Actinium-228	1.11E+01	2.61E+01	6.07E+01	pCi/kg	U
2126	580038002	5/17/2022	Actinium-228	-5.17E+01	4.54E+01	1.45E+02	pCi/kg	U
2126	582791002	6/14/2022	Actinium-228	7.93E+00	1.78E+01	5.63E+01	pCi/kg	U
2126	585561002	7/12/2022	Actinium-228	-1.74E+01	2.54E+01	7.21E+01	pCi/kg	U
2126	589635002	8/16/2022	Actinium-228	3.84E+01	4.60E+01	8.02E+01	pCi/kg	U
2126	593608001	9/20/2022	Actinium-228	3.01E+01	2.92E+01	9.43E+01	pCi/kg	U
2126	597081002	10/18/2022	Actinium-228	-1.68E+01	3.52E+01	9.81E+01	pCi/kg	U
2126	600680001	11/14/2022	Actinium-228	3.76E+01	5.73E+01	1.89E+02	pCi/kg	U
2126	604622003	12/20/2022	Actinium-228	-7.22E+01	6.43E+01	1.66E+02	pCi/kg	U
2126	567641001	1/19/2022	Americium-241	-6.88E+00	1.10E+01	3.60E+01	pCi/kg	U
2126	570267001	2/16/2022	Americium-241	-2.31E+01	2.79E+01	8.91E+01	pCi/kg	U
2126	573045001	3/15/2022	Americium-241	1.25E+01	1.38E+01	4.24E+01	pCi/kg	U
2126	576095002	4/13/2022	Americium-241	1.69E+01	2.68E+01	8.22E+01	pCi/kg	U
2126	580038002	5/17/2022	Americium-241	-1.01E+01	3.23E+01	9.09E+01	pCi/kg	U
2126	582791002	6/14/2022	Americium-241	2.85E+01	1.81E+01	6.60E+01	pCi/kg	U
2126	585561002	7/12/2022	Americium-241	5.54E+00	3.82E+01	1.30E+02	pCi/kg	U
2126	589635002	8/16/2022	Americium-241	6.73E+00	2.36E+01	8.20E+01	pCi/kg	U
2126	593608001	9/20/2022	Americium-241	2.19E+01	2.24E+01	7.57E+01	pCi/kg	U
2126	597081002	10/18/2022	Americium-241	-3.10E+01	3.56E+01	1.09E+02	pCi/kg	U
2126	600680001	11/14/2022	Americium-241	-5.30E+01	6.26E+01	1.81E+02	pCi/kg	U
2126	604622003	12/20/2022	Americium-241	5.43E+01	3.71E+01	1.27E+02	pCi/kg	U
2126	567641001	1/19/2022	Antimony-124	-2.65E+00	3.41E+00	9.71E+00	pCi/kg	U
2126	570267001	2/16/2022	Antimony-124	1.47E+01	1.54E+01	5.14E+01	pCi/kg	U
2126	573045001	3/15/2022	Antimony-124	-2.61E+00	2.17E+01	6.85E+01	pCi/kg	U
2126	576095002	4/13/2022	Antimony-124	1.06E+01	6.51E+00	2.54E+01	pCi/kg	U
2126	580038002	5/17/2022	Antimony-124	1.99E+01	2.13E+01	7.85E+01	pCi/kg	U
2126	582791002	6/14/2022	Antimony-124	3.87E+00	7.03E+00	2.48E+01	pCi/kg	U
2126	585561002	7/12/2022	Antimony-124	7.55E+00	1.07E+01	3.82E+01	pCi/kg	U
2126	589635002	8/16/2022	Antimony-124	-9.48E+00	1.23E+01	3.31E+01	pCi/kg	U
2126	593608001	9/20/2022	Antimony-124	-1.35E+01	1.67E+01	4.74E+01	pCi/kg	U
2126	597081002	10/18/2022	Antimony-124	1.72E+00	1.55E+01	5.22E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2126	600680001	11/14/2022	Antimony-124	4.26E+00	1.40E+01	4.39E+01	pCi/kg	U
2126	604622003	12/20/2022	Antimony-124	-2.79E+01	2.40E+01	7.19E+01	pCi/kg	U
2126	567641001	1/19/2022	Antimony-125	-5.60E+00	5.69E+00	1.62E+01	pCi/kg	U
2126	570267001	2/16/2022	Antimony-125	2.96E+01	1.49E+01	5.53E+01	pCi/kg	U
2126	573045001	3/15/2022	Antimony-125	6.79E+00	2.10E+01	7.02E+01	pCi/kg	U
2126	576095002	4/13/2022	Antimony-125	1.27E+01	8.64E+00	3.05E+01	pCi/kg	U
2126	580038002	5/17/2022	Antimony-125	6.56E+01	4.27E+01	8.00E+01	pCi/kg	U
2126	582791002	6/14/2022	Antimony-125	-4.61E+00	6.97E+00	2.16E+01	pCi/kg	U
2126	585561002	7/12/2022	Antimony-125	1.33E+01	1.19E+01	4.23E+01	pCi/kg	U
2126	589635002	8/16/2022	Antimony-125	1.27E+01	1.16E+01	4.07E+01	pCi/kg	U
2126	593608001	9/20/2022	Antimony-125	7.21E+00	1.35E+01	4.62E+01	pCi/kg	U
2126	597081002	10/18/2022	Antimony-125	7.36E+00	1.57E+01	4.67E+01	pCi/kg	U
2126	600680001	11/14/2022	Antimony-125	9.49E+00	2.47E+01	8.22E+01	pCi/kg	U
2126	604622003	12/20/2022	Antimony-125	1.98E+01	2.38E+01	8.14E+01	pCi/kg	U
2126	567641001	1/19/2022	Barium-140	-4.93E+00	9.21E+00	2.96E+01	pCi/kg	U
2126	570267001	2/16/2022	Barium-140	6.52E+00	2.77E+01	9.27E+01	pCi/kg	U
2126	573045001	3/15/2022	Barium-140	5.87E+01	3.59E+01	1.30E+02	pCi/kg	U
2126	576095002	4/13/2022	Barium-140	6.22E+00	1.86E+01	5.20E+01	pCi/kg	U
2126	580038002	5/17/2022	Barium-140	-7.16E+00	4.04E+01	1.34E+02	pCi/kg	U
2126	582791002	6/14/2022	Barium-140	-1.88E+01	1.52E+01	4.80E+01	pCi/kg	U
2126	585561002	7/12/2022	Barium-140	-2.03E+01	3.03E+01	9.66E+01	pCi/kg	U
2126	589635002	8/16/2022	Barium-140	1.87E+01	2.85E+01	9.61E+01	pCi/kg	U
2126	593608001	9/20/2022	Barium-140	-2.93E+01	2.88E+01	8.71E+01	pCi/kg	U
2126	597081002	10/18/2022	Barium-140	-2.26E+01	2.74E+01	8.82E+01	pCi/kg	U
2126	600680001	11/14/2022	Barium-140	5.17E+01	4.76E+01	1.63E+02	pCi/kg	U
2126	604622003	12/20/2022	Barium-140	-1.08E+01	5.43E+01	1.75E+02	pCi/kg	U
2126	567641001	1/19/2022	Beryllium-7	1.46E+03	5.87E+01	5.28E+01	pCi/kg	
2126	570267001	2/16/2022	Beryllium-7	2.85E+03	1.47E+02	1.41E+02	pCi/kg	
2126	573045001	3/15/2022	Beryllium-7	1.10E+03	1.65E+02	2.19E+02	pCi/kg	
2126	576095002	4/13/2022	Beryllium-7	9.68E+02	8.27E+01	9.38E+01	pCi/kg	
2126	580038002	5/17/2022	Beryllium-7	3.25E+02	1.16E+02	2.12E+02	pCi/kg	
2126	582791002	6/14/2022	Beryllium-7	7.96E+02	7.24E+01	7.83E+01	pCi/kg	
2126	585561002	7/12/2022	Beryllium-7	1.49E+03	1.20E+02	1.47E+02	pCi/kg	
2126	589635002	8/16/2022	Beryllium-7	6.07E+02	9.22E+01	1.44E+02	pCi/kg	
2126	593608001	9/20/2022	Beryllium-7	3.10E+02	1.06E+02	1.55E+02	pCi/kg	
2126	597081002	10/18/2022	Beryllium-7	1.92E+03	1.48E+02	1.64E+02	pCi/kg	
2126	600680001	11/14/2022	Beryllium-7	2.94E+03	2.63E+02	2.83E+02	pCi/kg	
2126	604622003	12/20/2022	Beryllium-7	1.07E+04	3.11E+02	2.92E+02	pCi/kg	
2126	567641001	1/19/2022	Bismuth-214	1.26E+01	6.98E+00	1.29E+01	pCi/kg	U
2126	570267001	2/16/2022	Bismuth-214	2.31E+01	1.92E+01	5.80E+01	pCi/kg	U
2126	573045001	3/15/2022	Bismuth-214	1.64E+01	3.05E+01	7.57E+01	pCi/kg	U
2126	576095002	4/13/2022	Bismuth-214	4.01E+01	1.59E+01	2.05E+01	pCi/kg	U
2126	580038002	5/17/2022	Bismuth-214	6.31E+00	2.50E+01	7.87E+01	pCi/kg	U
2126	582791002	6/14/2022	Bismuth-214	2.04E-01	7.37E+00	2.26E+01	pCi/kg	U
2126	585561002	7/12/2022	Bismuth-214	5.97E-01	1.37E+01	4.10E+01	pCi/kg	U
2126	589635002	8/16/2022	Bismuth-214	5.87E+01	2.61E+01	3.49E+01	pCi/kg	UI

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2126	593608001	9/20/2022	Bismuth-214	1.82E+01	1.44E+01	4.61E+01	pCi/kg	U
2126	597081002	10/18/2022	Bismuth-214	-6.12E+00	1.63E+01	5.02E+01	pCi/kg	U
2126	600680001	11/14/2022	Bismuth-214	4.55E+01	3.99E+01	6.54E+01	pCi/kg	U
2126	604622003	12/20/2022	Bismuth-214	9.22E+01	3.87E+01	8.43E+01	pCi/kg	UI
2126	567641001	1/19/2022	Cerium-141	-6.98E-01	3.18E+00	1.02E+01	pCi/kg	U
2126	570267001	2/16/2022	Cerium-141	-1.04E+01	9.32E+00	2.84E+01	pCi/kg	U
2126	573045001	3/15/2022	Cerium-141	-6.82E+00	8.86E+00	2.93E+01	pCi/kg	U
2126	576095002	4/13/2022	Cerium-141	7.17E+00	5.78E+00	1.76E+01	pCi/kg	U
2126	580038002	5/17/2022	Cerium-141	3.96E+01	1.34E+01	4.97E+01	pCi/kg	U
2126	582791002	6/14/2022	Cerium-141	-3.92E-01	4.12E+00	1.32E+01	pCi/kg	U
2126	585561002	7/12/2022	Cerium-141	1.59E+01	8.39E+00	2.90E+01	pCi/kg	U
2126	589635002	8/16/2022	Cerium-141	1.70E+01	1.20E+01	2.23E+01	pCi/kg	U
2126	593608001	9/20/2022	Cerium-141	-8.99E+00	7.78E+00	2.42E+01	pCi/kg	U
2126	597081002	10/18/2022	Cerium-141	-4.21E+00	8.46E+00	2.44E+01	pCi/kg	U
2126	600680001	11/14/2022	Cerium-141	1.38E+01	2.99E+01	4.74E+01	pCi/kg	U
2126	604622003	12/20/2022	Cerium-141	1.79E+01	2.89E+01	4.55E+01	pCi/kg	U
2126	567641001	1/19/2022	Cerium-144	2.09E+01	1.16E+01	3.97E+01	pCi/kg	U
2126	570267001	2/16/2022	Cerium-144	-2.12E+01	3.06E+01	9.51E+01	pCi/kg	U
2126	573045001	3/15/2022	Cerium-144	3.76E-01	3.38E+01	1.16E+02	pCi/kg	U
2126	576095002	4/13/2022	Cerium-144	1.89E+00	2.25E+01	6.54E+01	pCi/kg	U
2126	580038002	5/17/2022	Cerium-144	1.98E+01	4.72E+01	1.61E+02	pCi/kg	U
2126	582791002	6/14/2022	Cerium-144	-6.92E+00	1.43E+01	4.53E+01	pCi/kg	U
2126	585561002	7/12/2022	Cerium-144	-7.67E+00	2.81E+01	9.06E+01	pCi/kg	U
2126	589635002	8/16/2022	Cerium-144	-1.41E-01	2.53E+01	8.31E+01	pCi/kg	U
2126	593608001	9/20/2022	Cerium-144	2.90E+01	2.77E+01	9.50E+01	pCi/kg	U
2126	597081002	10/18/2022	Cerium-144	2.96E+01	2.70E+01	9.16E+01	pCi/kg	U
2126	600680001	11/14/2022	Cerium-144	-6.43E+01	6.44E+01	1.78E+02	pCi/kg	U
2126	604622003	12/20/2022	Cerium-144	8.73E+01	6.67E+01	1.64E+02	pCi/kg	U
2126	567641001	1/19/2022	Cesium-134	-7.21E-01	2.40E+00	7.56E+00	pCi/kg	U
2126	570267001	2/16/2022	Cesium-134	8.51E+00	7.01E+00	2.47E+01	pCi/kg	U
2126	573045001	3/15/2022	Cesium-134	1.52E+00	1.02E+01	3.51E+01	pCi/kg	U
2126	576095002	4/13/2022	Cesium-134	-2.89E+00	4.79E+00	1.34E+01	pCi/kg	U
2126	580038002	5/17/2022	Cesium-134	1.23E+01	1.05E+01	3.75E+01	pCi/kg	U
2126	582791002	6/14/2022	Cesium-134	4.93E+00	3.82E+00	1.34E+01	pCi/kg	U
2126	585561002	7/12/2022	Cesium-134	1.22E+01	5.43E+00	2.03E+01	pCi/kg	U
2126	589635002	8/16/2022	Cesium-134	4.48E+00	5.67E+00	2.01E+01	pCi/kg	U
2126	593608001	9/20/2022	Cesium-134	-3.33E+00	5.87E+00	1.90E+01	pCi/kg	U
2126	597081002	10/18/2022	Cesium-134	-7.58E+00	6.70E+00	2.00E+01	pCi/kg	U
2126	600680001	11/14/2022	Cesium-134	4.08E+00	1.05E+01	3.62E+01	pCi/kg	U
2126	604622003	12/20/2022	Cesium-134	1.05E+01	1.27E+01	4.00E+01	pCi/kg	U
2126	567641001	1/19/2022	Cesium-137	-1.80E+00	2.03E+00	6.27E+00	pCi/kg	U
2126	570267001	2/16/2022	Cesium-137	-5.35E+00	6.46E+00	1.97E+01	pCi/kg	U
2126	573045001	3/15/2022	Cesium-137	4.64E+01	2.04E+01	2.88E+01	pCi/kg	UI
2126	576095002	4/13/2022	Cesium-137	-2.98E+00	4.16E+00	1.13E+01	pCi/kg	U
2126	580038002	5/17/2022	Cesium-137	1.17E+01	1.17E+01	3.71E+01	pCi/kg	U
2126	582791002	6/14/2022	Cesium-137	5.96E+00	3.91E+00	1.39E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2126	585561002	7/12/2022	Cesium-137	-4.59E+00	4.89E+00	1.50E+01	pCi/kg	U
2126	589635002	8/16/2022	Cesium-137	-4.71E+00	4.99E+00	1.50E+01	pCi/kg	U
2126	593608001	9/20/2022	Cesium-137	1.30E+01	6.11E+00	1.60E+01	pCi/kg	U
2126	597081002	10/18/2022	Cesium-137	-1.52E+01	8.22E+00	2.33E+01	pCi/kg	U
2126	600680001	11/14/2022	Cesium-137	1.42E+01	1.02E+01	3.50E+01	pCi/kg	U
2126	604622003	12/20/2022	Cesium-137	-3.10E+00	1.20E+01	3.34E+01	pCi/kg	U
2126	567641001	1/19/2022	Chromium-51	2.18E+01	1.75E+01	6.22E+01	pCi/kg	U
2126	570267001	2/16/2022	Chromium-51	3.07E+01	5.09E+01	1.78E+02	pCi/kg	U
2126	573045001	3/15/2022	Chromium-51	5.56E+01	6.16E+01	2.15E+02	pCi/kg	U
2126	576095002	4/13/2022	Chromium-51	4.43E+00	2.95E+01	9.95E+01	pCi/kg	U
2126	580038002	5/17/2022	Chromium-51	-3.90E+01	8.15E+01	2.56E+02	pCi/kg	U
2126	582791002	6/14/2022	Chromium-51	-7.16E+00	2.65E+01	8.69E+01	pCi/kg	U
2126	585561002	7/12/2022	Chromium-51	-6.87E+01	4.78E+01	1.55E+02	pCi/kg	U
2126	589635002	8/16/2022	Chromium-51	-6.40E+00	4.11E+01	1.39E+02	pCi/kg	U
2126	593608001	9/20/2022	Chromium-51	9.92E+01	4.97E+01	1.83E+02	pCi/kg	U
2126	597081002	10/18/2022	Chromium-51	2.41E+01	5.09E+01	1.72E+02	pCi/kg	U
2126	600680001	11/14/2022	Chromium-51	-1.41E+02	8.51E+01	2.65E+02	pCi/kg	U
2126	604622003	12/20/2022	Chromium-51	-1.09E+02	8.74E+01	2.85E+02	pCi/kg	U
2126	567641001	1/19/2022	Cobalt-57	5.57E-01	1.59E+00	5.24E+00	pCi/kg	U
2126	570267001	2/16/2022	Cobalt-57	-6.54E+00	4.07E+00	1.21E+01	pCi/kg	U
2126	573045001	3/15/2022	Cobalt-57	6.19E+00	4.50E+00	1.63E+01	pCi/kg	U
2126	576095002	4/13/2022	Cobalt-57	5.88E+00	3.76E+00	7.90E+00	pCi/kg	U
2126	580038002	5/17/2022	Cobalt-57	-7.79E+00	6.03E+00	1.93E+01	pCi/kg	U
2126	582791002	6/14/2022	Cobalt-57	-1.63E+00	2.07E+00	6.01E+00	pCi/kg	U
2126	585561002	7/12/2022	Cobalt-57	-6.54E-01	3.57E+00	1.16E+01	pCi/kg	U
2126	589635002	8/16/2022	Cobalt-57	5.04E-01	3.35E+00	1.11E+01	pCi/kg	U
2126	593608001	9/20/2022	Cobalt-57	1.53E+00	3.42E+00	1.15E+01	pCi/kg	U
2126	597081002	10/18/2022	Cobalt-57	1.22E+00	3.71E+00	1.23E+01	pCi/kg	U
2126	600680001	11/14/2022	Cobalt-57	-3.91E+00	9.11E+00	2.39E+01	pCi/kg	U
2126	604622003	12/20/2022	Cobalt-57	-1.75E+00	7.08E+00	2.29E+01	pCi/kg	U
2126	567641001	1/19/2022	Cobalt-58	6.71E-01	2.32E+00	7.56E+00	pCi/kg	U
2126	570267001	2/16/2022	Cobalt-58	-7.31E-01	6.35E+00	2.02E+01	pCi/kg	U
2126	573045001	3/15/2022	Cobalt-58	-1.01E+01	8.17E+00	2.44E+01	pCi/kg	U
2126	576095002	4/13/2022	Cobalt-58	-2.95E+00	3.73E+00	1.12E+01	pCi/kg	U
2126	580038002	5/17/2022	Cobalt-58	-1.90E+00	9.72E+00	3.14E+01	pCi/kg	U
2126	582791002	6/14/2022	Cobalt-58	2.99E+00	3.77E+00	1.28E+01	pCi/kg	U
2126	585561002	7/12/2022	Cobalt-58	-2.62E+00	5.39E+00	1.67E+01	pCi/kg	U
2126	589635002	8/16/2022	Cobalt-58	-1.10E-01	4.45E+00	1.51E+01	pCi/kg	U
2126	593608001	9/20/2022	Cobalt-58	-3.70E+00	4.52E+00	1.41E+01	pCi/kg	U
2126	597081002	10/18/2022	Cobalt-58	4.64E+00	6.51E+00	2.22E+01	pCi/kg	U
2126	600680001	11/14/2022	Cobalt-58	-9.02E+00	1.05E+01	3.38E+01	pCi/kg	U
2126	604622003	12/20/2022	Cobalt-58	5.04E+00	1.07E+01	3.70E+01	pCi/kg	U
2126	567641001	1/19/2022	Cobalt-60	-4.20E+00	2.51E+00	7.26E+00	pCi/kg	U
2126	570267001	2/16/2022	Cobalt-60	5.61E+00	6.57E+00	2.37E+01	pCi/kg	U
2126	573045001	3/15/2022	Cobalt-60	2.45E+01	7.75E+00	3.43E+01	pCi/kg	U
2126	576095002	4/13/2022	Cobalt-60	-9.17E-02	3.90E+00	1.28E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2126	580038002	5/17/2022	Cobalt-60	6.56E+00	1.03E+01	3.65E+01	pCi/kg	U
2126	582791002	6/14/2022	Cobalt-60	-2.63E+00	4.50E+00	1.41E+01	pCi/kg	U
2126	585561002	7/12/2022	Cobalt-60	2.45E+01	5.01E+00	1.89E+01	pCi/kg	UI
2126	589635002	8/16/2022	Cobalt-60	-6.42E+00	5.42E+00	1.55E+01	pCi/kg	U
2126	593608001	9/20/2022	Cobalt-60	2.92E+00	6.62E+00	2.22E+01	pCi/kg	U
2126	597081002	10/18/2022	Cobalt-60	2.33E+00	8.19E+00	2.73E+01	pCi/kg	U
2126	600680001	11/14/2022	Cobalt-60	-5.27E+00	1.05E+01	3.24E+01	pCi/kg	U
2126	604622003	12/20/2022	Cobalt-60	-3.81E+00	1.25E+01	3.96E+01	pCi/kg	U
2126	567641001	1/19/2022	Iodine-131	-1.74E+00	3.21E+00	1.07E+01	pCi/kg	U
2126	570267001	2/16/2022	Iodine-131	-3.62E+00	8.09E+00	2.66E+01	pCi/kg	U
2126	573045001	3/15/2022	Iodine-131	-6.94E+00	8.87E+00	2.75E+01	pCi/kg	U
2126	576095002	4/13/2022	Iodine-131	2.86E-01	5.70E+00	1.90E+01	pCi/kg	U
2126	580038002	5/17/2022	Iodine-131	1.95E+00	1.46E+01	4.71E+01	pCi/kg	U
2126	582791002	6/14/2022	Iodine-131	-1.17E+00	5.22E+00	1.69E+01	pCi/kg	U
2126	585561002	7/12/2022	Iodine-131	-2.86E-02	1.27E+01	4.33E+01	pCi/kg	U
2126	589635002	8/16/2022	Iodine-131	-7.35E+00	8.41E+00	2.73E+01	pCi/kg	U
2126	593608001	9/20/2022	Iodine-131	-8.89E-01	9.63E+00	3.23E+01	pCi/kg	U
2126	597081002	10/18/2022	Iodine-131	1.60E+01	1.08E+01	3.78E+01	pCi/kg	U
2126	600680001	11/14/2022	Iodine-131	3.06E+00	1.74E+01	5.78E+01	pCi/kg	U
2126	604622003	12/20/2022	Iodine-131	-1.23E+01	1.84E+01	6.02E+01	pCi/kg	U
2126	567641001	1/19/2022	Iron-59	3.91E+00	5.74E+00	1.99E+01	pCi/kg	U
2126	570267001	2/16/2022	Iron-59	-1.67E+01	1.52E+01	4.76E+01	pCi/kg	U
2126	573045001	3/15/2022	Iron-59	1.61E+01	2.09E+01	7.40E+01	pCi/kg	U
2126	576095002	4/13/2022	Iron-59	-4.38E+00	7.73E+00	2.49E+01	pCi/kg	U
2126	580038002	5/17/2022	Iron-59	4.65E+01	2.77E+01	6.10E+01	pCi/kg	U
2126	582791002	6/14/2022	Iron-59	7.85E+00	1.42E+01	3.01E+01	pCi/kg	U
2126	585561002	7/12/2022	Iron-59	-5.37E+00	1.15E+01	3.74E+01	pCi/kg	U
2126	589635002	8/16/2022	Iron-59	-3.15E+00	1.39E+01	4.52E+01	pCi/kg	U
2126	593608001	9/20/2022	Iron-59	1.09E+01	1.29E+01	4.09E+01	pCi/kg	U
2126	597081002	10/18/2022	Iron-59	5.55E+00	1.54E+01	5.23E+01	pCi/kg	U
2126	600680001	11/14/2022	Iron-59	-2.65E+01	2.18E+01	6.55E+01	pCi/kg	U
2126	604622003	12/20/2022	Iron-59	-1.23E+01	2.34E+01	7.45E+01	pCi/kg	U
2126	567641001	1/19/2022	Lanthanum-140	-2.29E+00	2.96E+00	8.80E+00	pCi/kg	U
2126	570267001	2/16/2022	Lanthanum-140	-5.07E+00	1.00E+01	2.80E+01	pCi/kg	U
2126	573045001	3/15/2022	Lanthanum-140	4.91E+00	1.02E+01	3.59E+01	pCi/kg	U
2126	576095002	4/13/2022	Lanthanum-140	-6.52E+00	5.07E+00	1.39E+01	pCi/kg	U
2126	580038002	5/17/2022	Lanthanum-140	8.59E+00	1.20E+01	4.36E+01	pCi/kg	U
2126	582791002	6/14/2022	Lanthanum-140	2.26E-01	4.70E+00	1.58E+01	pCi/kg	U
2126	585561002	7/12/2022	Lanthanum-140	9.28E+00	1.17E+01	4.16E+01	pCi/kg	U
2126	589635002	8/16/2022	Lanthanum-140	5.57E+00	1.01E+01	3.17E+01	pCi/kg	U
2126	593608001	9/20/2022	Lanthanum-140	2.18E+00	9.61E+00	3.28E+01	pCi/kg	U
2126	597081002	10/18/2022	Lanthanum-140	-1.43E+00	9.57E+00	3.15E+01	pCi/kg	U
2126	600680001	11/14/2022	Lanthanum-140	-2.69E+01	1.58E+01	4.42E+01	pCi/kg	U
2126	604622003	12/20/2022	Lanthanum-140	-1.13E+01	1.77E+01	5.64E+01	pCi/kg	U
2126	567641001	1/19/2022	Lead-210	-3.60E+02	4.61E+02	1.31E+03	pCi/kg	U
2126	570267001	2/16/2022	Lead-210	4.49E+02	9.23E+02	2.84E+03	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2126	573045001	3/15/2022	Lead-210	-1.81E+01	1.78E+02	6.22E+02	pCi/kg	U
2126	576095002	4/13/2022	Lead-210	-2.47E+02	9.11E+02	2.95E+03	pCi/kg	U
2126	580038002	5/17/2022	Lead-210	-8.35E+02	6.10E+02	1.75E+03	pCi/kg	U
2126	582791002	6/14/2022	Lead-210	8.00E+01	8.49E+02	2.98E+03	pCi/kg	U
2126	585561002	7/12/2022	Lead-210	-2.68E+03	2.32E+03	6.33E+03	pCi/kg	U
2126	589635002	8/16/2022	Lead-210	6.15E+02	1.46E+03	2.40E+03	pCi/kg	U
2126	593608001	9/20/2022	Lead-210	6.92E+01	6.98E+02	2.44E+03	pCi/kg	U
2126	597081002	10/18/2022	Lead-210	4.20E+02	1.51E+03	5.34E+03	pCi/kg	U
2126	600680001	11/14/2022	Lead-210	1.54E+03	1.79E+03	6.00E+03	pCi/kg	U
2126	604622003	12/20/2022	Lead-210	1.74E+03	7.48E+02	1.75E+03	pCi/kg	U
2126	567641001	1/19/2022	Lead-212	3.51E+00	4.82E+00	1.42E+01	pCi/kg	U
2126	570267001	2/16/2022	Lead-212	6.71E+01	1.94E+01	5.67E+01	pCi/kg	UI
2126	573045001	3/15/2022	Lead-212	1.23E+01	2.51E+01	6.02E+01	pCi/kg	U
2126	576095002	4/13/2022	Lead-212	1.54E+01	9.54E+00	1.73E+01	pCi/kg	U
2126	580038002	5/17/2022	Lead-212	3.36E+01	2.92E+01	5.81E+01	pCi/kg	U
2126	582791002	6/14/2022	Lead-212	2.65E+00	7.66E+00	1.88E+01	pCi/kg	U
2126	585561002	7/12/2022	Lead-212	-1.52E+01	1.08E+01	2.69E+01	pCi/kg	U
2126	589635002	8/16/2022	Lead-212	-7.16E-01	1.15E+01	3.19E+01	pCi/kg	U
2126	593608001	9/20/2022	Lead-212	4.24E+00	1.14E+01	3.58E+01	pCi/kg	U
2126	597081002	10/18/2022	Lead-212	-1.60E+01	1.36E+01	3.62E+01	pCi/kg	U
2126	600680001	11/14/2022	Lead-212	6.56E+00	2.43E+01	6.22E+01	pCi/kg	U
2126	604622003	12/20/2022	Lead-212	1.56E+01	3.14E+01	5.72E+01	pCi/kg	U
2126	567641001	1/19/2022	Lead-214	-2.40E+00	5.60E+00	1.64E+01	pCi/kg	U
2126	570267001	2/16/2022	Lead-214	4.83E+01	2.60E+01	4.98E+01	pCi/kg	U
2126	573045001	3/15/2022	Lead-214	-2.64E+00	2.06E+01	6.51E+01	pCi/kg	U
2126	576095002	4/13/2022	Lead-214	2.13E+01	1.53E+01	2.22E+01	pCi/kg	U
2126	580038002	5/17/2022	Lead-214	1.58E+01	2.85E+01	6.92E+01	pCi/kg	U
2126	582791002	6/14/2022	Lead-214	1.62E+00	6.45E+00	2.14E+01	pCi/kg	U
2126	585561002	7/12/2022	Lead-214	2.55E+00	1.41E+01	3.86E+01	pCi/kg	U
2126	589635002	8/16/2022	Lead-214	1.61E+01	1.65E+01	3.89E+01	pCi/kg	U
2126	593608001	9/20/2022	Lead-214	4.31E+01	2.99E+01	4.78E+01	pCi/kg	U
2126	597081002	10/18/2022	Lead-214	3.34E+01	2.33E+01	4.68E+01	pCi/kg	U
2126	600680001	11/14/2022	Lead-214	3.19E+01	4.39E+01	8.60E+01	pCi/kg	U
2126	604622003	12/20/2022	Lead-214	3.55E+01	3.61E+01	7.52E+01	pCi/kg	U
2126	567641001	1/19/2022	Manganese-54	4.20E+00	4.77E+00	6.70E+00	pCi/kg	U
2126	570267001	2/16/2022	Manganese-54	3.73E+00	6.73E+00	2.25E+01	pCi/kg	U
2126	573045001	3/15/2022	Manganese-54	1.13E+01	1.03E+01	3.75E+01	pCi/kg	U
2126	576095002	4/13/2022	Manganese-54	5.58E+00	3.46E+00	1.21E+01	pCi/kg	U
2126	580038002	5/17/2022	Manganese-54	4.10E+00	1.03E+01	3.48E+01	pCi/kg	U
2126	582791002	6/14/2022	Manganese-54	9.42E+00	7.84E+00	1.10E+01	pCi/kg	U
2126	585561002	7/12/2022	Manganese-54	8.46E+00	5.22E+00	1.86E+01	pCi/kg	U
2126	589635002	8/16/2022	Manganese-54	3.42E-01	4.86E+00	1.65E+01	pCi/kg	U
2126	593608001	9/20/2022	Manganese-54	5.32E+00	5.66E+00	2.01E+01	pCi/kg	U
2126	597081002	10/18/2022	Manganese-54	-4.20E+00	6.72E+00	1.78E+01	pCi/kg	U
2126	600680001	11/14/2022	Manganese-54	1.52E+01	9.51E+00	3.47E+01	pCi/kg	U
2126	604622003	12/20/2022	Manganese-54	1.86E-01	1.07E+01	3.60E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2126	567641001	1/19/2022	Molybdenum-99	1.03E+02	1.06E+02	3.60E+02	pCi/kg	U
2126	570267001	2/16/2022	Molybdenum-99	1.72E+01	2.00E+02	6.51E+02	pCi/kg	U
2126	573045001	3/15/2022	Molybdenum-99	-1.11E+02	1.54E+02	4.91E+02	pCi/kg	U
2126	576095002	4/13/2022	Molybdenum-99	-9.20E+01	1.61E+02	4.96E+02	pCi/kg	U
2126	580038002	5/17/2022	Molybdenum-99	-7.34E+02	3.64E+02	9.80E+02	pCi/kg	U
2126	582791002	6/14/2022	Molybdenum-99	1.40E+02	1.80E+02	6.20E+02	pCi/kg	U
2126	585561002	7/12/2022	Molybdenum-99	-3.23E+02	1.00E+03	3.18E+03	pCi/kg	U
2126	589635002	8/16/2022	Molybdenum-99	-2.36E+02	2.75E+02	8.17E+02	pCi/kg	U
2126	593608001	9/20/2022	Molybdenum-99	3.66E+02	3.56E+02	1.28E+03	pCi/kg	U
2126	597081002	10/18/2022	Molybdenum-99	3.96E+02	3.47E+02	1.22E+03	pCi/kg	U
2126	600680001	11/14/2022	Molybdenum-99	5.41E+02	6.19E+02	1.96E+03	pCi/kg	U
2126	604622003	12/20/2022	Molybdenum-99	-1.13E+03	8.73E+02	2.80E+03	pCi/kg	U
2126	567641001	1/19/2022	Niobium-95	8.33E+00	5.65E+00	7.39E+00	pCi/kg	UI
2126	570267001	2/16/2022	Niobium-95	8.98E-01	6.11E+00	1.99E+01	pCi/kg	U
2126	573045001	3/15/2022	Niobium-95	-3.20E-01	9.89E+00	3.35E+01	pCi/kg	U
2126	576095002	4/13/2022	Niobium-95	3.03E+00	4.29E+00	1.25E+01	pCi/kg	U
2126	580038002	5/17/2022	Niobium-95	-4.75E+00	1.04E+01	3.33E+01	pCi/kg	U
2126	582791002	6/14/2022	Niobium-95	-1.19E+00	3.45E+00	1.11E+01	pCi/kg	U
2126	585561002	7/12/2022	Niobium-95	5.82E+00	5.96E+00	1.88E+01	pCi/kg	U
2126	589635002	8/16/2022	Niobium-95	-2.18E-01	5.10E+00	1.61E+01	pCi/kg	U
2126	593608001	9/20/2022	Niobium-95	-4.43E+00	5.00E+00	1.58E+01	pCi/kg	U
2126	597081002	10/18/2022	Niobium-95	1.11E+01	6.53E+00	2.35E+01	pCi/kg	U
2126	600680001	11/14/2022	Niobium-95	3.45E+00	1.06E+01	3.64E+01	pCi/kg	U
2126	604622003	12/20/2022	Niobium-95	3.23E+01	1.28E+01	3.50E+01	pCi/kg	U
2126	567641001	1/19/2022	Potassium-40	5.36E+03	1.44E+02	6.57E+01	pCi/kg	
2126	570267001	2/16/2022	Potassium-40	9.05E+03	3.87E+02	1.64E+02	pCi/kg	
2126	573045001	3/15/2022	Potassium-40	6.08E+03	4.29E+02	3.35E+02	pCi/kg	
2126	576095002	4/13/2022	Potassium-40	5.72E+03	2.07E+02	9.75E+01	pCi/kg	
2126	580038002	5/17/2022	Potassium-40	6.57E+03	4.05E+02	2.96E+02	pCi/kg	
2126	582791002	6/14/2022	Potassium-40	5.25E+03	1.90E+02	1.00E+02	pCi/kg	
2126	585561002	7/12/2022	Potassium-40	5.73E+03	2.59E+02	1.35E+02	pCi/kg	
2126	589635002	8/16/2022	Potassium-40	6.32E+03	2.80E+02	2.19E+02	pCi/kg	
2126	593608001	9/20/2022	Potassium-40	4.06E+03	2.63E+02	1.62E+02	pCi/kg	
2126	597081002	10/18/2022	Potassium-40	6.61E+03	3.14E+02	2.05E+02	pCi/kg	
2126	600680001	11/14/2022	Potassium-40	5.69E+03	3.65E+02	2.69E+02	pCi/kg	
2126	604622003	12/20/2022	Potassium-40	4.29E+03	4.32E+02	3.61E+02	pCi/kg	
2126	567641001	1/19/2022	Radium-226	1.26E+01	6.98E+00	1.29E+01	pCi/kg	U
2126	570267001	2/16/2022	Radium-226	1.35E+02	2.31E+02	3.51E+02	pCi/kg	U
2126	573045001	3/15/2022	Radium-226	1.64E+01	3.05E+01	7.57E+01	pCi/kg	U
2126	576095002	4/13/2022	Radium-226	4.01E+01	1.59E+01	2.05E+01	pCi/kg	
2126	580038002	5/17/2022	Radium-226	6.31E+00	2.50E+01	7.87E+01	pCi/kg	U
2126	582791002	6/14/2022	Radium-226	2.04E-01	7.37E+00	2.26E+01	pCi/kg	U
2126	585561002	7/12/2022	Radium-226	5.97E-01	1.37E+01	4.10E+01	pCi/kg	U
2126	589635002	8/16/2022	Radium-226	5.87E+01	2.61E+01	3.49E+01	pCi/kg	UI
2126	593608001	9/20/2022	Radium-226	1.82E+01	1.44E+01	4.61E+01	pCi/kg	U
2126	597081002	10/18/2022	Radium-226	3.34E+01	2.33E+01	4.68E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2126	600680001	11/14/2022	Radium-226	3.19E+01	4.39E+01	8.60E+01	pCi/kg	U
2126	604622003	12/20/2022	Radium-226	3.55E+01	3.61E+01	7.52E+01	pCi/kg	U
2126	567641001	1/19/2022	Radium-228	4.26E+00	1.54E+01	3.58E+01	pCi/kg	U
2126	570267001	2/16/2022	Radium-228	5.62E+01	3.54E+01	1.18E+02	pCi/kg	U
2126	573045001	3/15/2022	Radium-228	5.54E+01	8.47E+01	1.57E+02	pCi/kg	U
2126	576095002	4/13/2022	Radium-228	1.11E+01	2.61E+01	6.07E+01	pCi/kg	U
2126	580038002	5/17/2022	Radium-228	-5.17E+01	4.54E+01	1.45E+02	pCi/kg	U
2126	582791002	6/14/2022	Radium-228	7.93E+00	1.78E+01	5.63E+01	pCi/kg	U
2126	585561002	7/12/2022	Radium-228	-1.74E+01	2.54E+01	7.21E+01	pCi/kg	U
2126	589635002	8/16/2022	Radium-228	3.84E+01	4.60E+01	8.02E+01	pCi/kg	U
2126	593608001	9/20/2022	Radium-228	3.01E+01	2.92E+01	9.43E+01	pCi/kg	U
2126	597081002	10/18/2022	Radium-228	-1.68E+01	3.52E+01	9.81E+01	pCi/kg	U
2126	600680001	11/14/2022	Radium-228	3.76E+01	5.73E+01	1.89E+02	pCi/kg	U
2126	604622003	12/20/2022	Radium-228	-7.22E+01	6.43E+01	1.66E+02	pCi/kg	U
2126	567641001	1/19/2022	Ruthenium-103	1.80E+00	2.05E+00	7.09E+00	pCi/kg	U
2126	570267001	2/16/2022	Ruthenium-103	-3.71E-01	5.08E+00	1.68E+01	pCi/kg	U
2126	573045001	3/15/2022	Ruthenium-103	1.50E+01	8.35E+00	3.05E+01	pCi/kg	U
2126	576095002	4/13/2022	Ruthenium-103	-7.36E-01	3.15E+00	1.02E+01	pCi/kg	U
2126	580038002	5/17/2022	Ruthenium-103	-1.17E+01	8.05E+00	2.45E+01	pCi/kg	U
2126	582791002	6/14/2022	Ruthenium-103	-3.59E+00	3.16E+00	9.34E+00	pCi/kg	U
2126	585561002	7/12/2022	Ruthenium-103	-1.17E+00	5.30E+00	1.75E+01	pCi/kg	U
2126	589635002	8/16/2022	Ruthenium-103	-3.13E+00	5.04E+00	1.61E+01	pCi/kg	U
2126	593608001	9/20/2022	Ruthenium-103	-2.13E+00	4.87E+00	1.55E+01	pCi/kg	U
2126	597081002	10/18/2022	Ruthenium-103	9.52E+00	5.59E+00	1.97E+01	pCi/kg	U
2126	600680001	11/14/2022	Ruthenium-103	1.10E+00	1.06E+01	3.43E+01	pCi/kg	U
2126	604622003	12/20/2022	Ruthenium-103	-1.36E+01	1.01E+01	3.10E+01	pCi/kg	U
2126	567641001	1/19/2022	Ruthenium-106	2.75E+00	1.81E+01	5.98E+01	pCi/kg	U
2126	570267001	2/16/2022	Ruthenium-106	-3.68E+01	5.93E+01	1.86E+02	pCi/kg	U
2126	573045001	3/15/2022	Ruthenium-106	3.61E+02	1.29E+02	2.53E+02	pCi/kg	UI
2126	576095002	4/13/2022	Ruthenium-106	7.32E+00	2.78E+01	9.14E+01	pCi/kg	U
2126	580038002	5/17/2022	Ruthenium-106	-2.72E+01	8.74E+01	2.49E+02	pCi/kg	U
2126	582791002	6/14/2022	Ruthenium-106	-1.52E+01	2.88E+01	9.34E+01	pCi/kg	U
2126	585561002	7/12/2022	Ruthenium-106	-6.89E+01	4.55E+01	1.36E+02	pCi/kg	U
2126	589635002	8/16/2022	Ruthenium-106	-5.50E+01	4.61E+01	1.38E+02	pCi/kg	U
2126	593608001	9/20/2022	Ruthenium-106	-7.08E+01	4.92E+01	1.41E+02	pCi/kg	U
2126	597081002	10/18/2022	Ruthenium-106	-1.35E+01	5.16E+01	1.70E+02	pCi/kg	U
2126	600680001	11/14/2022	Ruthenium-106	8.94E+00	8.34E+01	2.67E+02	pCi/kg	U
2126	604622003	12/20/2022	Ruthenium-106	1.38E+02	1.06E+02	3.28E+02	pCi/kg	U
2126	567641001	1/19/2022	Selenium-75	-2.88E+00	2.75E+00	8.18E+00	pCi/kg	U
2126	570267001	2/16/2022	Selenium-75	-1.79E+00	7.10E+00	2.41E+01	pCi/kg	U
2126	573045001	3/15/2022	Selenium-75	-1.17E+01	1.06E+01	2.94E+01	pCi/kg	U
2126	576095002	4/13/2022	Selenium-75	1.94E+00	4.18E+00	1.44E+01	pCi/kg	U
2126	580038002	5/17/2022	Selenium-75	4.17E+00	1.13E+01	3.75E+01	pCi/kg	U
2126	582791002	6/14/2022	Selenium-75	9.19E-01	3.47E+00	1.18E+01	pCi/kg	U
2126	585561002	7/12/2022	Selenium-75	-4.70E+00	6.33E+00	1.91E+01	pCi/kg	U
2126	589635002	8/16/2022	Selenium-75	-1.92E+00	5.99E+00	1.84E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2126	593608001	9/20/2022	Selenium-75	4.81E+00	6.83E+00	2.21E+01	pCi/kg	U
2126	597081002	10/18/2022	Selenium-75	1.33E+01	6.40E+00	2.34E+01	pCi/kg	U
2126	600680001	11/14/2022	Selenium-75	-1.16E+00	1.14E+01	3.82E+01	pCi/kg	U
2126	604622003	12/20/2022	Selenium-75	1.04E+01	1.06E+01	3.73E+01	pCi/kg	U
2126	567641001	1/19/2022	Silver-108m	5.26E+00	2.77E+00	5.97E+00	pCi/kg	U
2126	570267001	2/16/2022	Silver-108m	-4.51E-01	4.50E+00	1.50E+01	pCi/kg	U
2126	573045001	3/15/2022	Silver-108m	1.29E+00	6.32E+00	2.10E+01	pCi/kg	U
2126	576095002	4/13/2022	Silver-108m	-4.62E+00	2.67E+00	8.01E+00	pCi/kg	U
2126	580038002	5/17/2022	Silver-108m	2.97E+00	8.07E+00	2.36E+01	pCi/kg	U
2126	582791002	6/14/2022	Silver-108m	4.92E-01	2.57E+00	8.37E+00	pCi/kg	U
2126	585561002	7/12/2022	Silver-108m	3.13E+00	3.42E+00	1.21E+01	pCi/kg	U
2126	589635002	8/16/2022	Silver-108m	-4.38E+00	3.66E+00	1.14E+01	pCi/kg	U
2126	593608001	9/20/2022	Silver-108m	4.44E+00	4.08E+00	1.44E+01	pCi/kg	U
2126	597081002	10/18/2022	Silver-108m	6.38E+00	7.46E+00	1.74E+01	pCi/kg	U
2126	600680001	11/14/2022	Silver-108m	1.37E+01	8.12E+00	2.85E+01	pCi/kg	U
2126	604622003	12/20/2022	Silver-108m	1.21E+00	7.79E+00	2.59E+01	pCi/kg	U
2126	567641001	1/19/2022	Silver-110m	-2.39E+00	3.24E+00	9.83E+00	pCi/kg	U
2126	570267001	2/16/2022	Silver-110m	-2.82E+00	9.29E+00	2.88E+01	pCi/kg	U
2126	573045001	3/15/2022	Silver-110m	-4.39E+00	1.14E+01	3.68E+01	pCi/kg	U
2126	576095002	4/13/2022	Silver-110m	2.09E+00	4.95E+00	1.72E+01	pCi/kg	U
2126	580038002	5/17/2022	Silver-110m	1.67E+00	1.21E+01	3.99E+01	pCi/kg	U
2126	582791002	6/14/2022	Silver-110m	-3.10E+00	4.52E+00	1.38E+01	pCi/kg	U
2126	585561002	7/12/2022	Silver-110m	-3.10E-01	7.95E+00	2.54E+01	pCi/kg	U
2126	589635002	8/16/2022	Silver-110m	-8.48E+00	8.34E+00	2.26E+01	pCi/kg	U
2126	593608001	9/20/2022	Silver-110m	-9.04E+00	7.07E+00	2.11E+01	pCi/kg	U
2126	597081002	10/18/2022	Silver-110m	1.89E+00	8.70E+00	2.85E+01	pCi/kg	U
2126	600680001	11/14/2022	Silver-110m	-3.92E+00	1.43E+01	4.69E+01	pCi/kg	U
2126	604622003	12/20/2022	Silver-110m	-4.92E+00	1.33E+01	4.37E+01	pCi/kg	U
2126	567641001	1/19/2022	Tellurium-132	-7.95E+00	8.16E+00	2.47E+01	pCi/kg	U
2126	570267001	2/16/2022	Tellurium-132	1.86E+01	1.79E+01	5.89E+01	pCi/kg	U
2126	573045001	3/15/2022	Tellurium-132	2.34E+01	1.17E+01	4.29E+01	pCi/kg	U
2126	576095002	4/13/2022	Tellurium-132	-7.13E+00	1.07E+01	3.58E+01	pCi/kg	U
2126	580038002	5/17/2022	Tellurium-132	-2.91E+01	3.50E+01	1.11E+02	pCi/kg	U
2126	582791002	6/14/2022	Tellurium-132	1.12E+01	1.22E+01	4.31E+01	pCi/kg	U
2126	585561002	7/12/2022	Tellurium-132	1.56E+02	6.76E+01	2.34E+02	pCi/kg	U
2126	589635002	8/16/2022	Tellurium-132	-2.77E+01	2.22E+01	6.62E+01	pCi/kg	U
2126	593608001	9/20/2022	Tellurium-132	-1.80E+01	2.54E+01	7.70E+01	pCi/kg	U
2126	597081002	10/18/2022	Tellurium-132	-2.24E+01	2.30E+01	7.59E+01	pCi/kg	U
2126	600680001	11/14/2022	Tellurium-132	-2.95E+00	3.92E+01	1.32E+02	pCi/kg	U
2126	604622003	12/20/2022	Tellurium-132	-2.98E+01	5.52E+01	1.69E+02	pCi/kg	U
2126	567641001	1/19/2022	Thallium-208	7.63E+00	3.11E+00	6.82E+00	pCi/kg	U
2126	570267001	2/16/2022	Thallium-208	7.84E-01	9.90E+00	3.32E+01	pCi/kg	U
2126	573045001	3/15/2022	Thallium-208	7.54E-01	9.33E+00	2.96E+01	pCi/kg	U
2126	576095002	4/13/2022	Thallium-208	5.86E+00	8.31E+00	1.15E+01	pCi/kg	U
2126	580038002	5/17/2022	Thallium-208	-3.35E+00	1.10E+01	3.38E+01	pCi/kg	U
2126	582791002	6/14/2022	Thallium-208	-5.82E+00	4.00E+00	1.10E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2126	585561002	7/12/2022	Thallium-208	8.32E+00	1.06E+01	1.64E+01	pCi/kg	U
2126	589635002	8/16/2022	Thallium-208	1.86E+01	1.14E+01	1.45E+01	pCi/kg	UI
2126	593608001	9/20/2022	Thallium-208	9.71E+00	1.11E+01	1.49E+01	pCi/kg	U
2126	597081002	10/18/2022	Thallium-208	2.42E+00	7.98E+00	2.42E+01	pCi/kg	U
2126	600680001	11/14/2022	Thallium-208	-4.39E+01	1.42E+01	3.74E+01	pCi/kg	U
2126	604622003	12/20/2022	Thallium-208	8.76E+00	1.74E+01	3.89E+01	pCi/kg	U
2126	567641001	1/19/2022	Thorium-228	3.51E+00	4.82E+00	1.42E+01	pCi/kg	U
2126	570267001	2/16/2022	Thorium-228	6.71E+01	1.94E+01	5.67E+01	pCi/kg	UI
2126	573045001	3/15/2022	Thorium-228	1.23E+01	2.51E+01	6.02E+01	pCi/kg	U
2126	576095002	4/13/2022	Thorium-228	1.54E+01	9.54E+00	1.73E+01	pCi/kg	U
2126	580038002	5/17/2022	Thorium-228	3.36E+01	2.92E+01	5.81E+01	pCi/kg	U
2126	582791002	6/14/2022	Thorium-228	2.65E+00	7.66E+00	1.88E+01	pCi/kg	U
2126	585561002	7/12/2022	Thorium-228	-1.52E+01	1.08E+01	2.69E+01	pCi/kg	U
2126	589635002	8/16/2022	Thorium-228	-7.16E-01	1.15E+01	3.19E+01	pCi/kg	U
2126	593608001	9/20/2022	Thorium-228	4.24E+00	1.14E+01	3.58E+01	pCi/kg	U
2126	597081002	10/18/2022	Thorium-228	-1.60E+01	1.36E+01	3.62E+01	pCi/kg	U
2126	600680001	11/14/2022	Thorium-228	6.56E+00	2.43E+01	6.22E+01	pCi/kg	U
2126	604622003	12/20/2022	Thorium-228	1.56E+01	3.14E+01	5.72E+01	pCi/kg	U
2126	567641001	1/19/2022	Thorium-230	1.26E+01	6.98E+00	1.29E+01	pCi/kg	U
2126	570267001	2/16/2022	Thorium-230	1.43E+02	1.97E+03	6.05E+03	pCi/kg	U
2126	573045001	3/15/2022	Thorium-230	1.64E+01	3.05E+01	7.57E+01	pCi/kg	U
2126	576095002	4/13/2022	Thorium-230	4.01E+01	1.59E+01	2.05E+01	pCi/kg	U
2126	580038002	5/17/2022	Thorium-230	6.31E+00	2.50E+01	7.87E+01	pCi/kg	U
2126	582791002	6/14/2022	Thorium-230	2.04E-01	7.37E+00	2.26E+01	pCi/kg	U
2126	585561002	7/12/2022	Thorium-230	5.97E-01	1.37E+01	4.10E+01	pCi/kg	U
2126	589635002	8/16/2022	Thorium-230	5.87E+01	2.61E+01	3.49E+01	pCi/kg	UI
2126	593608001	9/20/2022	Thorium-230	1.82E+01	1.44E+01	4.61E+01	pCi/kg	U
2126	597081002	10/18/2022	Thorium-230	3.34E+01	2.33E+01	4.68E+01	pCi/kg	U
2126	600680001	11/14/2022	Thorium-230	3.19E+01	4.39E+01	8.60E+01	pCi/kg	U
2126	604622003	12/20/2022	Thorium-230	3.55E+01	3.61E+01	7.52E+01	pCi/kg	U
2126	567641001	1/19/2022	Thorium-232	4.26E+00	1.54E+01	3.58E+01	pCi/kg	U
2126	570267001	2/16/2022	Thorium-232	1.72E+02	5.18E+03	9.96E+03	pCi/kg	U
2126	573045001	3/15/2022	Thorium-232	5.54E+01	8.47E+01	1.57E+02	pCi/kg	U
2126	576095002	4/13/2022	Thorium-232	1.11E+01	2.61E+01	6.07E+01	pCi/kg	U
2126	580038002	5/17/2022	Thorium-232	-5.17E+01	4.54E+01	1.45E+02	pCi/kg	U
2126	582791002	6/14/2022	Thorium-232	7.93E+00	1.78E+01	5.63E+01	pCi/kg	U
2126	585561002	7/12/2022	Thorium-232	-1.74E+01	2.54E+01	7.21E+01	pCi/kg	U
2126	589635002	8/16/2022	Thorium-232	3.84E+01	4.60E+01	8.02E+01	pCi/kg	U
2126	593608001	9/20/2022	Thorium-232	3.01E+01	2.92E+01	9.43E+01	pCi/kg	U
2126	597081002	10/18/2022	Thorium-232	-1.68E+01	3.52E+01	9.81E+01	pCi/kg	U
2126	600680001	11/14/2022	Thorium-232	3.76E+01	5.73E+01	1.89E+02	pCi/kg	U
2126	604622003	12/20/2022	Thorium-232	-7.22E+01	6.43E+01	1.66E+02	pCi/kg	U
2126	567641001	1/19/2022	Thorium-234	-1.35E+02	1.21E+02	3.48E+02	pCi/kg	U
2126	570267001	2/16/2022	Thorium-234	1.21E+01	3.64E+02	7.29E+02	pCi/kg	U
2126	573045001	3/15/2022	Thorium-234	3.49E+02	2.47E+02	5.49E+02	pCi/kg	U
2126	576095002	4/13/2022	Thorium-234	4.28E+02	3.70E+02	8.04E+02	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2126	580038002	5/17/2022	Thorium-234	1.24E+01	4.38E+02	7.88E+02	pCi/kg	U
2126	582791002	6/14/2022	Thorium-234	-2.29E+02	2.00E+02	5.72E+02	pCi/kg	U
2126	585561002	7/12/2022	Thorium-234	-4.71E+02	3.73E+02	1.08E+03	pCi/kg	U
2126	589635002	8/16/2022	Thorium-234	-4.43E+02	2.87E+02	8.63E+02	pCi/kg	U
2126	593608001	9/20/2022	Thorium-234	5.14E+02	5.19E+02	8.88E+02	pCi/kg	U
2126	597081002	10/18/2022	Thorium-234	2.02E+02	5.22E+02	9.55E+02	pCi/kg	U
2126	600680001	11/14/2022	Thorium-234	1.01E+03	9.85E+02	2.21E+03	pCi/kg	U
2126	604622003	12/20/2022	Thorium-234	-1.79E+03	4.35E+02	1.28E+03	pCi/kg	U
2126	567641001	1/19/2022	Uranium-234	1.26E+01	6.98E+00	1.29E+01	pCi/kg	U
2126	570267001	2/16/2022	Uranium-234	2.47E+04	1.20E+04	4.33E+04	pCi/kg	U
2126	573045001	3/15/2022	Uranium-234	1.64E+01	3.05E+01	7.57E+01	pCi/kg	U
2126	576095002	4/13/2022	Uranium-234	4.01E+01	1.59E+01	2.05E+01	pCi/kg	U
2126	580038002	5/17/2022	Uranium-234	6.31E+00	2.50E+01	7.87E+01	pCi/kg	U
2126	582791002	6/14/2022	Uranium-234	2.04E-01	7.37E+00	2.26E+01	pCi/kg	U
2126	585561002	7/12/2022	Uranium-234	5.97E-01	1.37E+01	4.10E+01	pCi/kg	U
2126	589635002	8/16/2022	Uranium-234	5.87E+01	2.61E+01	3.49E+01	pCi/kg	UI
2126	593608001	9/20/2022	Uranium-234	1.82E+01	1.44E+01	4.61E+01	pCi/kg	U
2126	597081002	10/18/2022	Uranium-234	3.34E+01	2.33E+01	4.68E+01	pCi/kg	U
2126	600680001	11/14/2022	Uranium-234	3.19E+01	4.39E+01	8.60E+01	pCi/kg	U
2126	604622003	12/20/2022	Uranium-234	3.55E+01	3.61E+01	7.52E+01	pCi/kg	U
2126	567641001	1/19/2022	Zinc-65	4.08E+00	5.46E+00	1.91E+01	pCi/kg	U
2126	570267001	2/16/2022	Zinc-65	1.57E+01	1.75E+01	6.22E+01	pCi/kg	U
2126	573045001	3/15/2022	Zinc-65	5.47E+00	2.58E+01	8.70E+01	pCi/kg	U
2126	576095002	4/13/2022	Zinc-65	-7.59E+00	8.21E+00	2.59E+01	pCi/kg	U
2126	580038002	5/17/2022	Zinc-65	1.94E+01	2.22E+01	7.68E+01	pCi/kg	U
2126	582791002	6/14/2022	Zinc-65	8.96E+00	9.15E+00	3.21E+01	pCi/kg	U
2126	585561002	7/12/2022	Zinc-65	9.79E+00	1.34E+01	4.73E+01	pCi/kg	U
2126	589635002	8/16/2022	Zinc-65	1.72E+01	1.39E+01	4.91E+01	pCi/kg	U
2126	593608001	9/20/2022	Zinc-65	6.92E-01	1.38E+01	4.53E+01	pCi/kg	U
2126	597081002	10/18/2022	Zinc-65	-4.93E+00	2.05E+01	5.79E+01	pCi/kg	U
2126	600680001	11/14/2022	Zinc-65	-1.86E+01	2.43E+01	6.42E+01	pCi/kg	U
2126	604622003	12/20/2022	Zinc-65	2.36E+01	2.74E+01	8.42E+01	pCi/kg	U
2126	567641001	1/19/2022	Zirconium-95	4.93E+00	3.84E+00	1.33E+01	pCi/kg	U
2126	570267001	2/16/2022	Zirconium-95	-1.47E+01	1.23E+01	3.17E+01	pCi/kg	U
2126	573045001	3/15/2022	Zirconium-95	3.04E+01	2.27E+01	5.98E+01	pCi/kg	U
2126	576095002	4/13/2022	Zirconium-95	-6.27E+00	6.21E+00	1.84E+01	pCi/kg	U
2126	580038002	5/17/2022	Zirconium-95	4.90E+01	1.71E+01	6.74E+01	pCi/kg	U
2126	582791002	6/14/2022	Zirconium-95	-4.09E+00	6.13E+00	1.92E+01	pCi/kg	U
2126	585561002	7/12/2022	Zirconium-95	-6.95E+00	1.00E+01	3.09E+01	pCi/kg	U
2126	589635002	8/16/2022	Zirconium-95	-7.91E+00	9.30E+00	2.77E+01	pCi/kg	U
2126	593608001	9/20/2022	Zirconium-95	9.03E+00	9.43E+00	3.40E+01	pCi/kg	U
2126	597081002	10/18/2022	Zirconium-95	-6.39E+00	1.28E+01	4.06E+01	pCi/kg	U
2126	600680001	11/14/2022	Zirconium-95	-9.29E+00	1.80E+01	5.90E+01	pCi/kg	U
2126	604622003	12/20/2022	Zirconium-95	1.51E+01	1.99E+01	6.98E+01	pCi/kg	U
2204	567641002	1/19/2022	Actinium-228	6.33E+00	2.74E+01	6.06E+01	pCi/kg	U
2204	570267003	2/16/2022	Actinium-228	-6.74E+01	3.26E+01	9.92E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	573045002	3/15/2022	Actinium-228	2.98E+01	4.10E+01	1.41E+02	pCi/kg	U
2204	576095001	4/12/2022	Actinium-228	-1.84E+01	1.75E+01	5.41E+01	pCi/kg	U
2204	580038001	5/17/2022	Actinium-228	4.37E+00	3.97E+01	1.29E+02	pCi/kg	U
2204	582791001	6/14/2022	Actinium-228	-4.13E+01	3.27E+01	9.45E+01	pCi/kg	U
2204	585561001	7/12/2022	Actinium-228	2.29E+01	4.04E+01	9.65E+01	pCi/kg	U
2204	589635001	8/16/2022	Actinium-228	8.12E+01	5.13E+01	9.19E+01	pCi/kg	U
2204	593608003	9/20/2022	Actinium-228	1.48E+01	3.28E+01	9.33E+01	pCi/kg	U
2204	597081001	10/18/2022	Actinium-228	-4.69E+01	4.49E+01	1.29E+02	pCi/kg	U
2204	600680002	11/15/2022	Actinium-228	-4.32E+01	3.51E+01	9.53E+01	pCi/kg	U
2204	604622001	12/20/2022	Actinium-228	1.42E+01	2.48E+01	7.79E+01	pCi/kg	U
2204	567641002	1/19/2022	Americium-241	-1.15E+01	2.64E+01	8.05E+01	pCi/kg	U
2204	570267003	2/16/2022	Americium-241	3.82E+01	5.06E+01	1.57E+02	pCi/kg	U
2204	573045002	3/15/2022	Americium-241	6.11E+01	6.60E+01	2.30E+02	pCi/kg	U
2204	576095001	4/12/2022	Americium-241	1.66E+01	1.43E+01	4.61E+01	pCi/kg	U
2204	580038001	5/17/2022	Americium-241	2.49E+01	2.67E+01	9.00E+01	pCi/kg	U
2204	582791001	6/14/2022	Americium-241	8.02E+00	6.60E+00	2.22E+01	pCi/kg	U
2204	585561001	7/12/2022	Americium-241	-1.88E+00	3.26E+01	1.03E+02	pCi/kg	U
2204	589635001	8/16/2022	Americium-241	5.79E+01	2.78E+01	9.94E+01	pCi/kg	U
2204	593608003	9/20/2022	Americium-241	-3.34E+01	3.23E+01	9.39E+01	pCi/kg	U
2204	597081001	10/18/2022	Americium-241	-1.07E+01	9.00E+00	2.74E+01	pCi/kg	U
2204	600680002	11/15/2022	Americium-241	3.46E+01	4.03E+01	1.42E+02	pCi/kg	U
2204	604622001	12/20/2022	Americium-241	-3.17E+00	1.30E+01	4.24E+01	pCi/kg	U
2204	567641002	1/19/2022	Antimony-124	4.31E+00	6.93E+00	2.49E+01	pCi/kg	U
2204	570267003	2/16/2022	Antimony-124	1.55E+01	1.20E+01	4.64E+01	pCi/kg	U
2204	573045002	3/15/2022	Antimony-124	1.22E+01	1.17E+01	4.71E+01	pCi/kg	U
2204	576095001	4/12/2022	Antimony-124	7.35E+00	5.48E+00	2.15E+01	pCi/kg	U
2204	580038001	5/17/2022	Antimony-124	1.29E+01	1.69E+01	6.31E+01	pCi/kg	U
2204	582791001	6/14/2022	Antimony-124	-1.81E+01	1.43E+01	3.93E+01	pCi/kg	U
2204	585561001	7/12/2022	Antimony-124	4.02E+00	1.07E+01	3.69E+01	pCi/kg	U
2204	589635001	8/16/2022	Antimony-124	1.68E+01	1.33E+01	4.95E+01	pCi/kg	U
2204	593608003	9/20/2022	Antimony-124	6.55E+00	1.02E+01	3.66E+01	pCi/kg	U
2204	597081001	10/18/2022	Antimony-124	3.28E+01	2.00E+01	8.00E+01	pCi/kg	U
2204	600680002	11/15/2022	Antimony-124	6.93E+00	1.39E+01	4.75E+01	pCi/kg	U
2204	604622001	12/20/2022	Antimony-124	6.35E+00	1.06E+01	3.78E+01	pCi/kg	U
2204	567641002	1/19/2022	Antimony-124	4.31E+00	6.93E+00	2.49E+01	pCi/kg	U
2204	570267003	2/16/2022	Antimony-124	1.55E+01	1.20E+01	4.64E+01	pCi/kg	U
2204	573045002	3/15/2022	Antimony-124	1.22E+01	1.17E+01	4.71E+01	pCi/kg	U
2204	576095001	4/12/2022	Antimony-124	7.35E+00	5.48E+00	2.15E+01	pCi/kg	U
2204	580038001	5/17/2022	Antimony-124	1.29E+01	1.69E+01	6.31E+01	pCi/kg	U
2204	582791001	6/14/2022	Antimony-124	-1.81E+01	1.43E+01	3.93E+01	pCi/kg	U
2204	585561001	7/12/2022	Antimony-124	4.02E+00	1.07E+01	3.69E+01	pCi/kg	U
2204	589635001	8/16/2022	Antimony-124	1.68E+01	1.33E+01	4.95E+01	pCi/kg	U
2204	593608003	9/20/2022	Antimony-124	6.55E+00	1.02E+01	3.66E+01	pCi/kg	U
2204	597081001	10/18/2022	Antimony-124	3.28E+01	2.00E+01	8.00E+01	pCi/kg	U
2204	600680002	11/15/2022	Antimony-124	6.93E+00	1.39E+01	4.75E+01	pCi/kg	U
2204	604622001	12/20/2022	Antimony-124	6.35E+00	1.06E+01	3.78E+01	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	567641002	1/19/2022	Antimony-125	1.82E+01	1.00E+01	3.30E+01	pCi/kg	U
2204	570267003	2/16/2022	Antimony-125	-1.49E+00	1.60E+01	5.27E+01	pCi/kg	U
2204	573045002	3/15/2022	Antimony-125	-3.26E+01	2.12E+01	6.41E+01	pCi/kg	U
2204	576095001	4/12/2022	Antimony-125	6.82E+00	7.82E+00	2.69E+01	pCi/kg	U
2204	580038001	5/17/2022	Antimony-125	2.39E+01	1.65E+01	6.00E+01	pCi/kg	U
2204	582791001	6/14/2022	Antimony-125	5.14E+00	1.42E+01	4.82E+01	pCi/kg	U
2204	585561001	7/12/2022	Antimony-125	-2.37E+01	1.80E+01	4.58E+01	pCi/kg	U
2204	589635001	8/16/2022	Antimony-125	-8.83E+00	1.50E+01	4.94E+01	pCi/kg	U
2204	593608003	9/20/2022	Antimony-125	-4.34E-01	1.35E+01	4.53E+01	pCi/kg	U
2204	597081001	10/18/2022	Antimony-125	7.02E+00	2.13E+01	7.22E+01	pCi/kg	U
2204	600680002	11/15/2022	Antimony-125	1.91E+00	1.42E+01	4.82E+01	pCi/kg	U
2204	604622001	12/20/2022	Antimony-125	-2.49E+00	1.16E+01	3.85E+01	pCi/kg	U
2204	567641002	1/19/2022	Barium-140	7.03E+00	1.93E+01	6.40E+01	pCi/kg	U
2204	570267003	2/16/2022	Barium-140	1.83E+01	2.72E+01	9.29E+01	pCi/kg	U
2204	573045002	3/15/2022	Barium-140	4.93E+01	2.96E+01	1.10E+02	pCi/kg	U
2204	576095001	4/12/2022	Barium-140	1.59E+01	1.59E+01	5.44E+01	pCi/kg	U
2204	580038001	5/17/2022	Barium-140	5.03E+01	3.18E+01	1.17E+02	pCi/kg	U
2204	582791001	6/14/2022	Barium-140	4.40E+01	3.43E+01	1.20E+02	pCi/kg	U
2204	585561001	7/12/2022	Barium-140	4.55E+01	3.41E+01	1.20E+02	pCi/kg	U
2204	589635001	8/16/2022	Barium-140	2.78E+01	2.91E+01	1.01E+02	pCi/kg	U
2204	593608003	9/20/2022	Barium-140	-1.35E+01	3.10E+01	1.01E+02	pCi/kg	U
2204	597081001	10/18/2022	Barium-140	3.04E+01	3.87E+01	1.33E+02	pCi/kg	U
2204	600680002	11/15/2022	Barium-140	-3.41E+01	3.19E+01	8.67E+01	pCi/kg	U
2204	604622001	12/20/2022	Barium-140	1.97E+01	2.72E+01	9.05E+01	pCi/kg	U
2204	567641002	1/19/2022	Beryllium-7	2.41E+03	1.05E+02	1.05E+02	pCi/kg	
2204	570267003	2/16/2022	Beryllium-7	6.87E+03	2.37E+02	1.63E+02	pCi/kg	
2204	573045002	3/15/2022	Beryllium-7	1.96E+03	1.85E+02	2.04E+02	pCi/kg	
2204	576095001	4/12/2022	Beryllium-7	9.05E+02	6.35E+01	8.22E+01	pCi/kg	
2204	580038001	5/17/2022	Beryllium-7	9.23E+02	1.34E+02	1.98E+02	pCi/kg	
2204	582791001	6/14/2022	Beryllium-7	2.32E+03	1.42E+02	1.52E+02	pCi/kg	
2204	585561001	7/12/2022	Beryllium-7	4.68E+03	1.86E+02	1.78E+02	pCi/kg	
2204	589635001	8/16/2022	Beryllium-7	2.30E+03	1.55E+02	1.42E+02	pCi/kg	
2204	593608003	9/20/2022	Beryllium-7	1.27E+03	1.09E+02	1.67E+02	pCi/kg	
2204	597081001	10/18/2022	Beryllium-7	1.56E+03	1.70E+02	2.30E+02	pCi/kg	
2204	600680002	11/15/2022	Beryllium-7	1.64E+03	1.26E+02	1.50E+02	pCi/kg	
2204	604622001	12/20/2022	Beryllium-7	4.02E+03	1.65E+02	1.33E+02	pCi/kg	
2204	567641002	1/19/2022	Bismuth-214	-1.05E+01	1.04E+01	2.80E+01	pCi/kg	U
2204	570267003	2/16/2022	Bismuth-214	-3.93E+00	1.77E+01	5.22E+01	pCi/kg	U
2204	573045002	3/15/2022	Bismuth-214	2.60E+01	2.07E+01	7.21E+01	pCi/kg	U
2204	576095001	4/12/2022	Bismuth-214	4.75E+01	1.75E+01	2.11E+01	pCi/kg	
2204	580038001	5/17/2022	Bismuth-214	2.09E+01	1.83E+01	6.30E+01	pCi/kg	U
2204	582791001	6/14/2022	Bismuth-214	6.18E+00	1.70E+01	5.21E+01	pCi/kg	U
2204	585561001	7/12/2022	Bismuth-214	-6.55E+00	1.59E+01	4.59E+01	pCi/kg	U
2204	589635001	8/16/2022	Bismuth-214	1.78E+01	2.56E+01	3.65E+01	pCi/kg	U
2204	593608003	9/20/2022	Bismuth-214	2.61E+01	1.55E+01	4.99E+01	pCi/kg	U
2204	597081001	10/18/2022	Bismuth-214	2.38E+01	3.07E+01	4.81E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	600680002	11/15/2022	Bismuth-214	6.56E+01	2.25E+01	5.54E+01	pCi/kg	UI
2204	604622001	12/20/2022	Bismuth-214	-2.30E+01	1.50E+01	4.55E+01	pCi/kg	U
2204	567641002	1/19/2022	Cerium-141	2.97E+00	6.64E+00	2.05E+01	pCi/kg	U
2204	570267003	2/16/2022	Cerium-141	-2.42E+00	1.27E+01	3.11E+01	pCi/kg	U
2204	573045002	3/15/2022	Cerium-141	1.85E+01	1.10E+01	3.82E+01	pCi/kg	U
2204	576095001	4/12/2022	Cerium-141	-2.33E+01	6.64E+00	1.55E+01	pCi/kg	U
2204	580038001	5/17/2022	Cerium-141	-2.41E+01	1.21E+01	3.35E+01	pCi/kg	U
2204	582791001	6/14/2022	Cerium-141	-6.19E+00	6.35E+00	2.00E+01	pCi/kg	U
2204	585561001	7/12/2022	Cerium-141	-1.50E+01	9.66E+00	2.79E+01	pCi/kg	U
2204	589635001	8/16/2022	Cerium-141	-7.24E+00	8.93E+00	2.80E+01	pCi/kg	U
2204	593608003	9/20/2022	Cerium-141	-2.45E+01	1.08E+01	2.59E+01	pCi/kg	U
2204	597081001	10/18/2022	Cerium-141	-1.60E+01	1.10E+01	2.66E+01	pCi/kg	U
2204	600680002	11/15/2022	Cerium-141	-1.60E+01	8.80E+00	2.77E+01	pCi/kg	U
2204	604622001	12/20/2022	Cerium-141	-6.43E+00	9.19E+00	2.54E+01	pCi/kg	U
2204	567641002	1/19/2022	Cerium-144	-3.35E+00	2.22E+01	7.51E+01	pCi/kg	U
2204	570267003	2/16/2022	Cerium-144	-6.48E-01	3.96E+01	1.25E+02	pCi/kg	U
2204	573045002	3/15/2022	Cerium-144	8.06E+00	4.82E+01	1.57E+02	pCi/kg	U
2204	576095001	4/12/2022	Cerium-144	-4.71E+00	1.84E+01	5.85E+01	pCi/kg	U
2204	580038001	5/17/2022	Cerium-144	-6.40E+00	4.15E+01	1.29E+02	pCi/kg	U
2204	582791001	6/14/2022	Cerium-144	-1.39E+01	2.38E+01	7.66E+01	pCi/kg	U
2204	585561001	7/12/2022	Cerium-144	-4.09E+01	3.11E+01	1.03E+02	pCi/kg	U
2204	589635001	8/16/2022	Cerium-144	3.94E+01	3.14E+01	1.06E+02	pCi/kg	U
2204	593608003	9/20/2022	Cerium-144	-5.33E+00	3.02E+01	9.73E+01	pCi/kg	U
2204	597081001	10/18/2022	Cerium-144	3.24E+00	2.96E+01	9.75E+01	pCi/kg	U
2204	600680002	11/15/2022	Cerium-144	-1.79E+00	3.04E+01	1.01E+02	pCi/kg	U
2204	604622001	12/20/2022	Cerium-144	-3.28E+01	2.74E+01	8.32E+01	pCi/kg	U
2204	567641002	1/19/2022	Cesium-134	-1.07E+00	4.05E+00	1.27E+01	pCi/kg	U
2204	570267003	2/16/2022	Cesium-134	-6.27E+00	7.61E+00	2.26E+01	pCi/kg	U
2204	573045002	3/15/2022	Cesium-134	-3.89E+00	9.02E+00	2.78E+01	pCi/kg	U
2204	576095001	4/12/2022	Cesium-134	2.57E+00	3.40E+00	1.17E+01	pCi/kg	U
2204	580038001	5/17/2022	Cesium-134	3.52E+00	8.17E+00	2.85E+01	pCi/kg	U
2204	582791001	6/14/2022	Cesium-134	3.40E+00	6.61E+00	2.09E+01	pCi/kg	U
2204	585561001	7/12/2022	Cesium-134	6.31E+00	5.68E+00	1.97E+01	pCi/kg	U
2204	589635001	8/16/2022	Cesium-134	4.22E+00	7.39E+00	2.47E+01	pCi/kg	U
2204	593608003	9/20/2022	Cesium-134	2.70E+00	8.63E+00	2.24E+01	pCi/kg	U
2204	597081001	10/18/2022	Cesium-134	-4.57E+00	1.01E+01	2.90E+01	pCi/kg	U
2204	600680002	11/15/2022	Cesium-134	3.18E+00	6.54E+00	2.19E+01	pCi/kg	U
2204	604622001	12/20/2022	Cesium-134	-4.97E+00	5.23E+00	1.56E+01	pCi/kg	U
2204	567641002	1/19/2022	Cesium-137	1.37E+00	4.10E+00	1.29E+01	pCi/kg	U
2204	570267003	2/16/2022	Cesium-137	9.28E-01	6.56E+00	2.13E+01	pCi/kg	U
2204	573045002	3/15/2022	Cesium-137	2.00E+00	9.85E+00	3.27E+01	pCi/kg	U
2204	576095001	4/12/2022	Cesium-137	-4.54E+00	6.26E+00	2.16E+01	pCi/kg	U
2204	580038001	5/17/2022	Cesium-137	-8.09E+00	9.44E+00	2.88E+01	pCi/kg	U
2204	582791001	6/14/2022	Cesium-137	-1.13E+01	8.08E+00	2.08E+01	pCi/kg	U
2204	585561001	7/12/2022	Cesium-137	-1.19E+01	9.91E+00	3.32E+01	pCi/kg	U
2204	589635001	8/16/2022	Cesium-137	1.22E+01	1.11E+01	2.03E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	593608003	9/20/2022	Cesium-137	-1.24E+00	5.79E+00	1.87E+01	pCi/kg	U
2204	597081001	10/18/2022	Cesium-137	6.75E+00	9.92E+00	3.33E+01	pCi/kg	U
2204	600680002	11/15/2022	Cesium-137	-5.58E-01	5.41E+00	1.77E+01	pCi/kg	U
2204	604622001	12/20/2022	Cesium-137	2.32E+00	4.88E+00	1.66E+01	pCi/kg	U
2204	567641002	1/19/2022	Chromium-51	2.12E+01	3.78E+01	1.28E+02	pCi/kg	U
2204	570267003	2/16/2022	Chromium-51	6.25E+01	5.67E+01	1.99E+02	pCi/kg	U
2204	573045002	3/15/2022	Chromium-51	2.99E+01	6.14E+01	2.15E+02	pCi/kg	U
2204	576095001	4/12/2022	Chromium-51	5.54E+01	2.73E+01	9.89E+01	pCi/kg	U
2204	580038001	5/17/2022	Chromium-51	-4.91E+01	5.51E+01	1.72E+02	pCi/kg	U
2204	582791001	6/14/2022	Chromium-51	1.96E+02	8.26E+01	1.59E+02	pCi/kg	UI
2204	585561001	7/12/2022	Chromium-51	-6.94E+01	5.28E+01	1.66E+02	pCi/kg	U
2204	589635001	8/16/2022	Chromium-51	7.10E+01	5.47E+01	1.95E+02	pCi/kg	U
2204	593608003	9/20/2022	Chromium-51	5.46E+01	5.25E+01	1.87E+02	pCi/kg	U
2204	597081001	10/18/2022	Chromium-51	-2.99E+00	5.80E+01	1.97E+02	pCi/kg	U
2204	600680002	11/15/2022	Chromium-51	6.26E+01	4.74E+01	1.61E+02	pCi/kg	U
2204	604622001	12/20/2022	Chromium-51	2.81E+01	4.51E+01	1.57E+02	pCi/kg	U
2204	567641002	1/19/2022	Cobalt-57	3.26E+00	2.93E+00	1.03E+01	pCi/kg	U
2204	570267003	2/16/2022	Cobalt-57	2.26E+00	5.20E+00	1.67E+01	pCi/kg	U
2204	573045002	3/15/2022	Cobalt-57	-9.48E+00	6.37E+00	1.92E+01	pCi/kg	U
2204	576095001	4/12/2022	Cobalt-57	-5.73E-01	2.21E+00	7.06E+00	pCi/kg	U
2204	580038001	5/17/2022	Cobalt-57	-1.12E+00	4.96E+00	1.53E+01	pCi/kg	U
2204	582791001	6/14/2022	Cobalt-57	-2.43E+00	3.00E+00	8.84E+00	pCi/kg	U
2204	585561001	7/12/2022	Cobalt-57	-3.04E+00	4.07E+00	1.37E+01	pCi/kg	U
2204	589635001	8/16/2022	Cobalt-57	4.63E+00	4.05E+00	1.37E+01	pCi/kg	U
2204	593608003	9/20/2022	Cobalt-57	7.39E+00	3.78E+00	1.32E+01	pCi/kg	U
2204	597081001	10/18/2022	Cobalt-57	-2.84E+00	4.00E+00	1.29E+01	pCi/kg	U
2204	600680002	11/15/2022	Cobalt-57	8.24E+00	3.98E+00	1.42E+01	pCi/kg	U
2204	604622001	12/20/2022	Cobalt-57	1.90E+00	3.51E+00	1.15E+01	pCi/kg	U
2204	567641002	1/19/2022	Cobalt-58	6.35E+00	3.98E+00	1.41E+01	pCi/kg	U
2204	570267003	2/16/2022	Cobalt-58	3.76E+00	6.40E+00	2.13E+01	pCi/kg	U
2204	573045002	3/15/2022	Cobalt-58	-6.99E+00	8.96E+00	2.29E+01	pCi/kg	U
2204	576095001	4/12/2022	Cobalt-58	3.44E+00	3.22E+00	1.05E+01	pCi/kg	U
2204	580038001	5/17/2022	Cobalt-58	2.33E+00	7.04E+00	2.44E+01	pCi/kg	U
2204	582791001	6/14/2022	Cobalt-58	6.43E+00	5.82E+00	2.12E+01	pCi/kg	U
2204	585561001	7/12/2022	Cobalt-58	1.31E+00	5.51E+00	1.79E+01	pCi/kg	U
2204	589635001	8/16/2022	Cobalt-58	-7.41E+00	5.99E+00	1.76E+01	pCi/kg	U
2204	593608003	9/20/2022	Cobalt-58	7.80E+00	5.74E+00	2.04E+01	pCi/kg	U
2204	597081001	10/18/2022	Cobalt-58	1.18E+01	7.63E+00	2.69E+01	pCi/kg	U
2204	600680002	11/15/2022	Cobalt-58	8.85E-01	5.61E+00	1.84E+01	pCi/kg	U
2204	604622001	12/20/2022	Cobalt-58	-3.67E+00	5.18E+00	1.59E+01	pCi/kg	U
2204	567641002	1/19/2022	Cobalt-60	4.40E+00	4.36E+00	1.44E+01	pCi/kg	U
2204	570267003	2/16/2022	Cobalt-60	-2.69E+00	6.38E+00	2.01E+01	pCi/kg	U
2204	573045002	3/15/2022	Cobalt-60	-8.62E+00	7.84E+00	2.20E+01	pCi/kg	U
2204	576095001	4/12/2022	Cobalt-60	2.36E+00	3.65E+00	1.25E+01	pCi/kg	U
2204	580038001	5/17/2022	Cobalt-60	-9.27E+00	8.51E+00	2.35E+01	pCi/kg	U
2204	582791001	6/14/2022	Cobalt-60	3.00E+01	9.26E+00	3.01E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	585561001	7/12/2022	Cobalt-60	-5.02E-02	5.49E+00	1.82E+01	pCi/kg	U
2204	589635001	8/16/2022	Cobalt-60	-5.92E+00	5.50E+00	1.65E+01	pCi/kg	U
2204	593608003	9/20/2022	Cobalt-60	-1.20E+00	5.82E+00	1.66E+01	pCi/kg	U
2204	597081001	10/18/2022	Cobalt-60	-4.73E+00	1.04E+01	3.21E+01	pCi/kg	U
2204	600680002	11/15/2022	Cobalt-60	9.25E+00	7.82E+00	2.52E+01	pCi/kg	U
2204	604622001	12/20/2022	Cobalt-60	-2.98E+00	6.76E+00	2.03E+01	pCi/kg	U
2204	567641002	1/19/2022	Iodine-131	-4.16E+00	7.37E+00	2.38E+01	pCi/kg	U
2204	570267003	2/16/2022	Iodine-131	1.33E+01	9.85E+00	3.49E+01	pCi/kg	U
2204	573045002	3/15/2022	Iodine-131	2.03E+00	8.76E+00	3.01E+01	pCi/kg	U
2204	576095001	4/12/2022	Iodine-131	-4.92E+00	5.20E+00	1.66E+01	pCi/kg	U
2204	580038001	5/17/2022	Iodine-131	2.53E+01	2.24E+01	3.71E+01	pCi/kg	U
2204	582791001	6/14/2022	Iodine-131	1.41E+00	1.04E+01	3.37E+01	pCi/kg	U
2204	585561001	7/12/2022	Iodine-131	1.01E+01	1.43E+01	4.88E+01	pCi/kg	U
2204	589635001	8/16/2022	Iodine-131	8.52E-01	1.13E+01	3.86E+01	pCi/kg	U
2204	593608003	9/20/2022	Iodine-131	5.37E-01	1.03E+01	3.51E+01	pCi/kg	U
2204	597081001	10/18/2022	Iodine-131	-1.12E+01	1.33E+01	4.32E+01	pCi/kg	U
2204	600680002	11/15/2022	Iodine-131	2.90E+00	9.99E+00	3.22E+01	pCi/kg	U
2204	604622001	12/20/2022	Iodine-131	-6.73E+00	9.45E+00	3.10E+01	pCi/kg	U
2204	567641002	1/19/2022	Iron-59	-7.85E-01	9.35E+00	3.15E+01	pCi/kg	U
2204	570267003	2/16/2022	Iron-59	-6.43E+00	1.70E+01	4.83E+01	pCi/kg	U
2204	573045002	3/15/2022	Iron-59	3.68E+00	1.65E+01	5.71E+01	pCi/kg	U
2204	576095001	4/12/2022	Iron-59	1.42E+01	8.28E+00	3.00E+01	pCi/kg	U
2204	580038001	5/17/2022	Iron-59	-7.56E+00	1.60E+01	4.98E+01	pCi/kg	U
2204	582791001	6/14/2022	Iron-59	-1.43E+01	1.44E+01	4.37E+01	pCi/kg	U
2204	585561001	7/12/2022	Iron-59	4.75E+00	1.41E+01	4.52E+01	pCi/kg	U
2204	589635001	8/16/2022	Iron-59	-2.33E+00	1.24E+01	4.16E+01	pCi/kg	U
2204	593608003	9/20/2022	Iron-59	-5.20E+00	1.31E+01	4.32E+01	pCi/kg	U
2204	597081001	10/18/2022	Iron-59	3.91E+01	2.21E+01	8.17E+01	pCi/kg	U
2204	600680002	11/15/2022	Iron-59	-1.20E+01	1.41E+01	4.50E+01	pCi/kg	U
2204	604622001	12/20/2022	Iron-59	3.60E+00	1.19E+01	3.86E+01	pCi/kg	U
2204	567641002	1/19/2022	Lanthanum-140	-6.71E+00	6.36E+00	1.87E+01	pCi/kg	U
2204	570267003	2/16/2022	Lanthanum-140	-1.33E+00	9.31E+00	2.98E+01	pCi/kg	U
2204	573045002	3/15/2022	Lanthanum-140	-1.35E+01	1.09E+01	2.87E+01	pCi/kg	U
2204	576095001	4/12/2022	Lanthanum-140	-2.88E+00	3.89E+00	1.18E+01	pCi/kg	U
2204	580038001	5/17/2022	Lanthanum-140	-5.38E+00	9.52E+00	2.89E+01	pCi/kg	U
2204	582791001	6/14/2022	Lanthanum-140	-2.58E+01	1.01E+01	2.11E+01	pCi/kg	U
2204	585561001	7/12/2022	Lanthanum-140	-5.15E+00	1.18E+01	3.69E+01	pCi/kg	U
2204	589635001	8/16/2022	Lanthanum-140	-3.23E+00	7.63E+00	2.37E+01	pCi/kg	U
2204	593608003	9/20/2022	Lanthanum-140	-7.15E+00	1.02E+01	2.77E+01	pCi/kg	U
2204	597081001	10/18/2022	Lanthanum-140	-5.38E+00	1.56E+01	4.26E+01	pCi/kg	U
2204	600680002	11/15/2022	Lanthanum-140	-1.14E+01	8.58E+00	2.35E+01	pCi/kg	U
2204	604622001	12/20/2022	Lanthanum-140	-3.58E-01	8.32E+00	2.76E+01	pCi/kg	U
2204	567641002	1/19/2022	Lead-210	-3.83E+02	9.50E+02	2.92E+03	pCi/kg	U
2204	570267003	2/16/2022	Lead-210	1.51E+03	1.69E+03	5.70E+03	pCi/kg	U
2204	573045002	3/15/2022	Lead-210	1.46E+03	3.06E+03	9.89E+03	pCi/kg	U
2204	576095001	4/12/2022	Lead-210	1.16E+02	4.02E+02	1.21E+03	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	580038001	5/17/2022	Lead-210	-6.66E+02	5.14E+02	1.51E+03	pCi/kg	U
2204	582791001	6/14/2022	Lead-210	1.51E+02	1.59E+02	2.06E+02	pCi/kg	U
2204	585561001	7/12/2022	Lead-210	-2.33E+03	1.26E+03	3.17E+03	pCi/kg	U
2204	589635001	8/16/2022	Lead-210	6.94E+02	8.28E+02	2.86E+03	pCi/kg	U
2204	593608003	9/20/2022	Lead-210	-6.86E+02	9.17E+02	2.60E+03	pCi/kg	U
2204	597081001	10/18/2022	Lead-210	4.35E+02	2.34E+02	2.63E+02	pCi/kg	UI
2204	600680002	11/15/2022	Lead-210	2.02E+03	1.87E+03	6.07E+03	pCi/kg	U
2204	604622001	12/20/2022	Lead-210	4.30E+02	3.80E+02	5.68E+02	pCi/kg	U
2204	567641002	1/19/2022	Lead-212	6.38E-01	8.60E+00	2.59E+01	pCi/kg	U
2204	570267003	2/16/2022	Lead-212	2.81E+01	2.23E+01	4.92E+01	pCi/kg	U
2204	573045002	3/15/2022	Lead-212	3.58E+01	3.03E+01	6.51E+01	pCi/kg	U
2204	576095001	4/12/2022	Lead-212	-1.14E+01	7.97E+00	2.11E+01	pCi/kg	U
2204	580038001	5/17/2022	Lead-212	1.67E+00	1.38E+01	4.70E+01	pCi/kg	U
2204	582791001	6/14/2022	Lead-212	1.01E+01	1.58E+01	2.67E+01	pCi/kg	U
2204	585561001	7/12/2022	Lead-212	-6.48E+00	1.29E+01	3.70E+01	pCi/kg	U
2204	589635001	8/16/2022	Lead-212	3.29E+01	2.31E+01	4.03E+01	pCi/kg	U
2204	593608003	9/20/2022	Lead-212	4.10E+00	1.45E+01	3.34E+01	pCi/kg	U
2204	597081001	10/18/2022	Lead-212	-2.53E+01	1.59E+01	4.21E+01	pCi/kg	U
2204	600680002	11/15/2022	Lead-212	-1.29E+01	1.50E+01	3.92E+01	pCi/kg	U
2204	604622001	12/20/2022	Lead-212	2.56E+01	1.32E+01	3.90E+01	pCi/kg	U
2204	567641002	1/19/2022	Lead-214	-1.55E+01	9.73E+00	2.81E+01	pCi/kg	U
2204	570267003	2/16/2022	Lead-214	1.06E+01	1.76E+01	5.41E+01	pCi/kg	U
2204	573045002	3/15/2022	Lead-214	7.77E+00	1.85E+01	6.34E+01	pCi/kg	U
2204	576095001	4/12/2022	Lead-214	3.20E+01	1.31E+01	3.00E+01	pCi/kg	UI
2204	580038001	5/17/2022	Lead-214	-2.12E+01	1.76E+01	5.18E+01	pCi/kg	U
2204	582791001	6/14/2022	Lead-214	-5.92E+00	1.63E+01	4.46E+01	pCi/kg	U
2204	585561001	7/12/2022	Lead-214	7.80E+00	2.03E+01	4.41E+01	pCi/kg	U
2204	589635001	8/16/2022	Lead-214	1.95E+01	2.64E+01	5.06E+01	pCi/kg	U
2204	593608003	9/20/2022	Lead-214	2.92E+01	2.00E+01	4.48E+01	pCi/kg	U
2204	597081001	10/18/2022	Lead-214	2.02E+01	2.90E+01	6.25E+01	pCi/kg	U
2204	600680002	11/15/2022	Lead-214	3.22E+01	2.39E+01	5.27E+01	pCi/kg	U
2204	604622001	12/20/2022	Lead-214	2.01E+01	1.97E+01	3.44E+01	pCi/kg	U
2204	567641002	1/19/2022	Manganese-54	5.41E+00	3.94E+00	1.37E+01	pCi/kg	U
2204	570267003	2/16/2022	Manganese-54	1.21E+01	6.86E+00	2.45E+01	pCi/kg	U
2204	573045002	3/15/2022	Manganese-54	3.42E+00	7.59E+00	2.55E+01	pCi/kg	U
2204	576095001	4/12/2022	Manganese-54	1.81E-01	3.35E+00	1.13E+01	pCi/kg	U
2204	580038001	5/17/2022	Manganese-54	-2.57E-01	7.99E+00	2.67E+01	pCi/kg	U
2204	582791001	6/14/2022	Manganese-54	-1.48E+00	7.24E+00	2.12E+01	pCi/kg	U
2204	585561001	7/12/2022	Manganese-54	2.42E+01	1.01E+01	1.64E+01	pCi/kg	UI
2204	589635001	8/16/2022	Manganese-54	-5.69E+00	6.48E+00	1.97E+01	pCi/kg	U
2204	593608003	9/20/2022	Manganese-54	-2.05E+00	6.52E+00	1.81E+01	pCi/kg	U
2204	597081001	10/18/2022	Manganese-54	-5.36E+00	9.08E+00	2.95E+01	pCi/kg	U
2204	600680002	11/15/2022	Manganese-54	1.96E+00	6.48E+00	2.14E+01	pCi/kg	U
2204	604622001	12/20/2022	Manganese-54	-5.33E+00	4.93E+00	1.46E+01	pCi/kg	U
2204	567641002	1/19/2022	Molybdenum-99	-2.18E+02	2.14E+02	6.34E+02	pCi/kg	U
2204	570267003	2/16/2022	Molybdenum-99	-1.73E+02	2.19E+02	6.52E+02	pCi/kg	U

Company: Tennessee Valley Authority

Plant: Sequoyah

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	573045002	3/15/2022	Molybdenum-99	3.71E+02	1.56E+02	5.70E+02	pCi/kg	U
2204	576095001	4/12/2022	Molybdenum-99	1.63E+02	2.10E+02	6.96E+02	pCi/kg	U
2204	580038001	5/17/2022	Molybdenum-99	-3.61E+02	3.12E+02	9.47E+02	pCi/kg	U
2204	582791001	6/14/2022	Molybdenum-99	-2.67E+02	3.60E+02	1.07E+03	pCi/kg	U
2204	585561001	7/12/2022	Molybdenum-99	-6.70E+02	1.01E+03	3.04E+03	pCi/kg	U
2204	589635001	8/16/2022	Molybdenum-99	-6.38E+01	3.16E+02	1.01E+03	pCi/kg	U
2204	593608003	9/20/2022	Molybdenum-99	-5.92E+02	3.59E+02	1.02E+03	pCi/kg	U
2204	597081001	10/18/2022	Molybdenum-99	1.03E+03	6.33E+02	1.88E+03	pCi/kg	U
2204	600680002	11/15/2022	Molybdenum-99	4.24E+01	2.88E+02	9.50E+02	pCi/kg	U
2204	604622001	12/20/2022	Molybdenum-99	-2.07E+02	3.78E+02	1.18E+03	pCi/kg	U
2204	567641002	1/19/2022	Niobium-95	-7.48E-01	5.27E+00	1.24E+01	pCi/kg	U
2204	570267003	2/16/2022	Niobium-95	-1.47E-01	7.49E+00	2.29E+01	pCi/kg	U
2204	573045002	3/15/2022	Niobium-95	1.47E+01	9.39E+00	2.43E+01	pCi/kg	U
2204	576095001	4/12/2022	Niobium-95	-2.65E+00	4.16E+00	1.27E+01	pCi/kg	U
2204	580038001	5/17/2022	Niobium-95	4.09E+00	7.98E+00	2.65E+01	pCi/kg	U
2204	582791001	6/14/2022	Niobium-95	-8.54E+00	9.35E+00	2.11E+01	pCi/kg	U
2204	585561001	7/12/2022	Niobium-95	1.09E+01	7.93E+00	1.67E+01	pCi/kg	U
2204	589635001	8/16/2022	Niobium-95	-2.21E+00	6.51E+00	2.07E+01	pCi/kg	U
2204	593608003	9/20/2022	Niobium-95	-1.91E+00	6.38E+00	2.03E+01	pCi/kg	U
2204	597081001	10/18/2022	Niobium-95	-5.95E+00	9.20E+00	2.76E+01	pCi/kg	U
2204	600680002	11/15/2022	Niobium-95	8.96E+00	5.96E+00	2.11E+01	pCi/kg	U
2204	604622001	12/20/2022	Niobium-95	-1.24E+00	5.59E+00	1.79E+01	pCi/kg	U
2204	567641002	1/19/2022	Potassium-40	3.33E+03	1.67E+02	7.48E+02	pCi/kg	UI
2204	570267003	2/16/2022	Potassium-40	8.32E+03	3.69E+02	1.83E+02	pCi/kg	
2204	573045002	3/15/2022	Potassium-40	7.64E+03	4.79E+02	3.06E+02	pCi/kg	
2204	576095001	4/12/2022	Potassium-40	5.15E+03	1.92E+02	1.03E+02	pCi/kg	
2204	580038001	5/17/2022	Potassium-40	5.83E+03	3.65E+02	1.73E+02	pCi/kg	
2204	582791001	6/14/2022	Potassium-40	5.67E+03	3.32E+02	2.72E+02	pCi/kg	
2204	585561001	7/12/2022	Potassium-40	6.17E+03	2.92E+02	1.72E+02	pCi/kg	
2204	589635001	8/16/2022	Potassium-40	4.90E+03	2.65E+02	1.74E+02	pCi/kg	
2204	593608003	9/20/2022	Potassium-40	5.31E+03	2.59E+02	1.71E+02	pCi/kg	
2204	597081001	10/18/2022	Potassium-40	7.72E+03	4.39E+02	3.06E+02	pCi/kg	
2204	600680002	11/15/2022	Potassium-40	5.01E+03	2.49E+02	1.91E+02	pCi/kg	
2204	604622001	12/20/2022	Potassium-40	3.49E+03	2.13E+02	1.66E+02	pCi/kg	
2204	567641002	1/19/2022	Radium-226	-1.05E+01	1.04E+01	2.80E+01	pCi/kg	U
2204	570267003	2/16/2022	Radium-226	-2.15E+02	1.78E+02	6.27E+02	pCi/kg	U
2204	573045002	3/15/2022	Radium-226	2.60E+01	2.07E+01	7.21E+01	pCi/kg	U
2204	576095001	4/12/2022	Radium-226	4.75E+01	1.75E+01	2.11E+01	pCi/kg	
2204	580038001	5/17/2022	Radium-226	2.09E+01	1.83E+01	6.30E+01	pCi/kg	U
2204	582791001	6/14/2022	Radium-226	6.18E+00	1.70E+01	5.21E+01	pCi/kg	U
2204	585561001	7/12/2022	Radium-226	-6.55E+00	1.59E+01	4.59E+01	pCi/kg	U
2204	589635001	8/16/2022	Radium-226	1.78E+01	2.56E+01	3.65E+01	pCi/kg	U
2204	593608003	9/20/2022	Radium-226	2.61E+01	1.55E+01	4.99E+01	pCi/kg	U
2204	597081001	10/18/2022	Radium-226	2.02E+01	2.90E+01	6.25E+01	pCi/kg	U
2204	600680002	11/15/2022	Radium-226	3.22E+01	2.39E+01	5.27E+01	pCi/kg	U
2204	604622001	12/20/2022	Radium-226	2.01E+01	1.97E+01	3.44E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	567641002	1/19/2022	Radium-228	6.33E+00	2.74E+01	6.06E+01	pCi/kg	U
2204	570267003	2/16/2022	Radium-228	-6.74E+01	3.26E+01	9.92E+01	pCi/kg	U
2204	573045002	3/15/2022	Radium-228	2.98E+01	4.10E+01	1.41E+02	pCi/kg	U
2204	576095001	4/12/2022	Radium-228	-1.84E+01	1.75E+01	5.41E+01	pCi/kg	U
2204	580038001	5/17/2022	Radium-228	4.37E+00	3.97E+01	1.29E+02	pCi/kg	U
2204	582791001	6/14/2022	Radium-228	-4.13E+01	3.27E+01	9.45E+01	pCi/kg	U
2204	585561001	7/12/2022	Radium-228	2.29E+01	4.04E+01	9.65E+01	pCi/kg	U
2204	589635001	8/16/2022	Radium-228	8.12E+01	5.13E+01	9.19E+01	pCi/kg	U
2204	593608003	9/20/2022	Radium-228	1.48E+01	3.28E+01	9.33E+01	pCi/kg	U
2204	597081001	10/18/2022	Radium-228	-4.69E+01	4.49E+01	1.29E+02	pCi/kg	U
2204	600680002	11/15/2022	Radium-228	-4.32E+01	3.51E+01	9.53E+01	pCi/kg	U
2204	604622001	12/20/2022	Radium-228	1.42E+01	2.48E+01	7.79E+01	pCi/kg	U
2204	567641002	1/19/2022	Ruthenium-103	1.63E-01	3.78E+00	1.24E+01	pCi/kg	U
2204	570267003	2/16/2022	Ruthenium-103	3.43E+00	6.18E+00	2.09E+01	pCi/kg	U
2204	573045002	3/15/2022	Ruthenium-103	6.80E+00	6.52E+00	2.34E+01	pCi/kg	U
2204	576095001	4/12/2022	Ruthenium-103	1.02E-02	3.41E+00	1.12E+01	pCi/kg	U
2204	580038001	5/17/2022	Ruthenium-103	5.12E+00	6.57E+00	2.27E+01	pCi/kg	U
2204	582791001	6/14/2022	Ruthenium-103	-3.04E-01	7.11E+00	2.12E+01	pCi/kg	U
2204	585561001	7/12/2022	Ruthenium-103	-7.87E+00	5.92E+00	1.78E+01	pCi/kg	U
2204	589635001	8/16/2022	Ruthenium-103	-5.19E-02	5.59E+00	1.87E+01	pCi/kg	U
2204	593608003	9/20/2022	Ruthenium-103	8.07E+00	5.17E+00	1.88E+01	pCi/kg	U
2204	597081001	10/18/2022	Ruthenium-103	-5.77E+00	7.44E+00	2.33E+01	pCi/kg	U
2204	600680002	11/15/2022	Ruthenium-103	2.41E+00	5.41E+00	1.85E+01	pCi/kg	U
2204	604622001	12/20/2022	Ruthenium-103	4.97E+00	5.25E+00	1.84E+01	pCi/kg	U
2204	567641002	1/19/2022	Ruthenium-106	-5.46E+00	3.55E+01	1.14E+02	pCi/kg	U
2204	570267003	2/16/2022	Ruthenium-106	3.17E+01	5.41E+01	1.82E+02	pCi/kg	U
2204	573045002	3/15/2022	Ruthenium-106	-2.36E+01	7.35E+01	2.35E+02	pCi/kg	U
2204	576095001	4/12/2022	Ruthenium-106	-6.96E+00	2.60E+01	8.20E+01	pCi/kg	U
2204	580038001	5/17/2022	Ruthenium-106	1.45E+01	6.62E+01	2.15E+02	pCi/kg	U
2204	582791001	6/14/2022	Ruthenium-106	7.64E+01	5.18E+01	1.84E+02	pCi/kg	U
2204	585561001	7/12/2022	Ruthenium-106	-7.56E+01	5.50E+01	1.63E+02	pCi/kg	U
2204	589635001	8/16/2022	Ruthenium-106	-2.92E+00	5.42E+01	1.78E+02	pCi/kg	U
2204	593608003	9/20/2022	Ruthenium-106	-1.50E+01	5.05E+01	1.55E+02	pCi/kg	U
2204	597081001	10/18/2022	Ruthenium-106	4.69E+01	8.47E+01	2.56E+02	pCi/kg	U
2204	600680002	11/15/2022	Ruthenium-106	5.05E+00	5.00E+01	1.66E+02	pCi/kg	U
2204	604622001	12/20/2022	Ruthenium-106	-2.55E+01	4.90E+01	1.57E+02	pCi/kg	U
2204	567641002	1/19/2022	Selenium-75	1.05E+01	5.39E+00	1.66E+01	pCi/kg	U
2204	570267003	2/16/2022	Selenium-75	-4.01E+00	8.68E+00	2.58E+01	pCi/kg	U
2204	573045002	3/15/2022	Selenium-75	-8.81E+00	9.57E+00	2.79E+01	pCi/kg	U
2204	576095001	4/12/2022	Selenium-75	-1.30E+00	3.95E+00	1.33E+01	pCi/kg	U
2204	580038001	5/17/2022	Selenium-75	-4.24E+00	7.57E+00	2.45E+01	pCi/kg	U
2204	582791001	6/14/2022	Selenium-75	-1.04E+01	6.76E+00	1.95E+01	pCi/kg	U
2204	585561001	7/12/2022	Selenium-75	1.13E+00	6.89E+00	2.32E+01	pCi/kg	U
2204	589635001	8/16/2022	Selenium-75	-3.70E+00	7.73E+00	2.37E+01	pCi/kg	U
2204	593608003	9/20/2022	Selenium-75	-1.49E+01	7.90E+00	2.25E+01	pCi/kg	U
2204	597081001	10/18/2022	Selenium-75	-8.76E+00	9.44E+00	2.81E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	600680002	11/15/2022	Selenium-75	-2.45E-01	7.20E+00	2.33E+01	pCi/kg	U
2204	604622001	12/20/2022	Selenium-75	8.23E+00	8.27E+00	2.26E+01	pCi/kg	U
2204	567641002	1/19/2022	Silver-108m	2.80E+00	3.11E+00	1.07E+01	pCi/kg	U
2204	570267003	2/16/2022	Silver-108m	4.63E-01	5.17E+00	1.72E+01	pCi/kg	U
2204	573045002	3/15/2022	Silver-108m	1.74E+00	6.07E+00	2.08E+01	pCi/kg	U
2204	576095001	4/12/2022	Silver-108m	-2.34E+00	2.74E+00	8.68E+00	pCi/kg	U
2204	580038001	5/17/2022	Silver-108m	2.93E+00	5.37E+00	1.83E+01	pCi/kg	U
2204	582791001	6/14/2022	Silver-108m	-6.80E+00	5.72E+00	1.33E+01	pCi/kg	U
2204	585561001	7/12/2022	Silver-108m	-2.79E+00	4.83E+00	1.54E+01	pCi/kg	U
2204	589635001	8/16/2022	Silver-108m	6.90E+00	8.58E+00	1.78E+01	pCi/kg	U
2204	593608003	9/20/2022	Silver-108m	8.19E+00	9.64E+00	1.91E+01	pCi/kg	U
2204	597081001	10/18/2022	Silver-108m	1.25E+01	6.76E+00	2.46E+01	pCi/kg	U
2204	600680002	11/15/2022	Silver-108m	-1.13E+00	4.58E+00	1.53E+01	pCi/kg	U
2204	604622001	12/20/2022	Silver-108m	-4.42E+00	3.96E+00	1.25E+01	pCi/kg	U
2204	567641002	1/19/2022	Silver-110m	-4.75E+00	5.85E+00	1.75E+01	pCi/kg	U
2204	570267003	2/16/2022	Silver-110m	-9.06E+00	8.92E+00	2.82E+01	pCi/kg	U
2204	573045002	3/15/2022	Silver-110m	1.12E+01	1.19E+01	3.82E+01	pCi/kg	U
2204	576095001	4/12/2022	Silver-110m	1.30E+00	4.43E+00	1.51E+01	pCi/kg	U
2204	580038001	5/17/2022	Silver-110m	-4.35E+00	9.28E+00	2.95E+01	pCi/kg	U
2204	582791001	6/14/2022	Silver-110m	-1.01E+01	8.98E+00	2.78E+01	pCi/kg	U
2204	585561001	7/12/2022	Silver-110m	-3.61E+00	8.77E+00	2.69E+01	pCi/kg	U
2204	589635001	8/16/2022	Silver-110m	-2.09E+00	9.20E+00	2.91E+01	pCi/kg	U
2204	593608003	9/20/2022	Silver-110m	-3.40E+00	8.22E+00	2.56E+01	pCi/kg	U
2204	597081001	10/18/2022	Silver-110m	-2.22E+01	1.54E+01	3.93E+01	pCi/kg	U
2204	600680002	11/15/2022	Silver-110m	-1.02E+00	8.19E+00	2.62E+01	pCi/kg	U
2204	604622001	12/20/2022	Silver-110m	-1.37E-01	6.20E+00	2.00E+01	pCi/kg	U
2204	567641002	1/19/2022	Tellurium-132	-9.36E+00	1.94E+01	5.72E+01	pCi/kg	U
2204	570267003	2/16/2022	Tellurium-132	-3.34E+00	1.91E+01	6.48E+01	pCi/kg	U
2204	573045002	3/15/2022	Tellurium-132	-7.73E+00	1.35E+01	4.09E+01	pCi/kg	U
2204	576095001	4/12/2022	Tellurium-132	-2.25E+00	1.39E+01	4.54E+01	pCi/kg	U
2204	580038001	5/17/2022	Tellurium-132	7.68E+00	2.56E+01	8.43E+01	pCi/kg	U
2204	582791001	6/14/2022	Tellurium-132	-1.58E+01	2.39E+01	7.33E+01	pCi/kg	U
2204	585561001	7/12/2022	Tellurium-132	-1.05E+02	7.05E+01	2.26E+02	pCi/kg	U
2204	589635001	8/16/2022	Tellurium-132	2.02E+01	2.76E+01	8.94E+01	pCi/kg	U
2204	593608003	9/20/2022	Tellurium-132	1.45E+01	2.66E+01	8.59E+01	pCi/kg	U
2204	597081001	10/18/2022	Tellurium-132	-1.69E+01	3.23E+01	9.97E+01	pCi/kg	U
2204	600680002	11/15/2022	Tellurium-132	-6.82E-01	2.08E+01	6.76E+01	pCi/kg	U
2204	604622001	12/20/2022	Tellurium-132	-9.88E+00	3.05E+01	9.40E+01	pCi/kg	U
2204	567641002	1/19/2022	Thallium-208	1.29E+00	8.55E+00	1.17E+01	pCi/kg	U
2204	570267003	2/16/2022	Thallium-208	-3.50E+00	8.13E+00	2.54E+01	pCi/kg	U
2204	573045002	3/15/2022	Thallium-208	-1.87E+01	1.05E+01	3.17E+01	pCi/kg	U
2204	576095001	4/12/2022	Thallium-208	7.44E+00	4.78E+00	9.48E+00	pCi/kg	U
2204	580038001	5/17/2022	Thallium-208	-2.63E+00	8.89E+00	2.78E+01	pCi/kg	U
2204	582791001	6/14/2022	Thallium-208	1.99E+01	1.21E+01	1.53E+01	pCi/kg	UI
2204	585561001	7/12/2022	Thallium-208	3.32E+01	9.26E+00	1.71E+01	pCi/kg	UI
2204	589635001	8/16/2022	Thallium-208	5.05E+00	7.86E+00	2.35E+01	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1- σ	MDA	Units	Qualifier
2204	593608003	9/20/2022	Thallium-208	4.85E+00	6.90E+00	2.23E+01	pCi/kg	U
2204	597081001	10/18/2022	Thallium-208	2.80E+01	1.38E+01	2.78E+01	pCi/kg	UI
2204	600680002	11/15/2022	Thallium-208	-5.84E+00	8.44E+00	2.17E+01	pCi/kg	U
2204	604622001	12/20/2022	Thallium-208	-1.25E+01	7.68E+00	2.19E+01	pCi/kg	U
2204	567641002	1/19/2022	Thorium-228	6.38E-01	8.60E+00	2.59E+01	pCi/kg	U
2204	570267003	2/16/2022	Thorium-228	2.81E+01	2.23E+01	4.92E+01	pCi/kg	U
2204	573045002	3/15/2022	Thorium-228	3.58E+01	3.03E+01	6.51E+01	pCi/kg	U
2204	576095001	4/12/2022	Thorium-228	-1.14E+01	7.97E+00	2.11E+01	pCi/kg	U
2204	580038001	5/17/2022	Thorium-228	1.67E+00	1.38E+01	4.70E+01	pCi/kg	U
2204	582791001	6/14/2022	Thorium-228	1.01E+01	1.58E+01	2.67E+01	pCi/kg	U
2204	585561001	7/12/2022	Thorium-228	-6.48E+00	1.29E+01	3.70E+01	pCi/kg	U
2204	589635001	8/16/2022	Thorium-228	3.29E+01	2.31E+01	4.03E+01	pCi/kg	U
2204	593608003	9/20/2022	Thorium-228	4.10E+00	1.45E+01	3.34E+01	pCi/kg	U
2204	597081001	10/18/2022	Thorium-228	-2.53E+01	1.59E+01	4.21E+01	pCi/kg	U
2204	600680002	11/15/2022	Thorium-228	-1.29E+01	1.50E+01	3.92E+01	pCi/kg	U
2204	604622001	12/20/2022	Thorium-228	2.56E+01	1.32E+01	3.90E+01	pCi/kg	U
2204	567641002	1/19/2022	Thorium-230	-1.05E+01	1.04E+01	2.80E+01	pCi/kg	U
2204	570267003	2/16/2022	Thorium-230	-2.76E+03	2.93E+03	9.10E+03	pCi/kg	U
2204	573045002	3/15/2022	Thorium-230	2.60E+01	2.07E+01	7.21E+01	pCi/kg	U
2204	576095001	4/12/2022	Thorium-230	4.75E+01	1.75E+01	2.11E+01	pCi/kg	U
2204	580038001	5/17/2022	Thorium-230	2.09E+01	1.83E+01	6.30E+01	pCi/kg	U
2204	582791001	6/14/2022	Thorium-230	6.18E+00	1.70E+01	5.21E+01	pCi/kg	U
2204	585561001	7/12/2022	Thorium-230	-6.55E+00	1.59E+01	4.59E+01	pCi/kg	U
2204	589635001	8/16/2022	Thorium-230	1.78E+01	2.56E+01	3.65E+01	pCi/kg	U
2204	593608003	9/20/2022	Thorium-230	2.61E+01	1.55E+01	4.99E+01	pCi/kg	U
2204	597081001	10/18/2022	Thorium-230	2.02E+01	2.90E+01	6.25E+01	pCi/kg	U
2204	600680002	11/15/2022	Thorium-230	3.22E+01	2.39E+01	5.27E+01	pCi/kg	U
2204	604622001	12/20/2022	Thorium-230	2.01E+01	1.97E+01	3.44E+01	pCi/kg	U
2204	567641002	1/19/2022	Thorium-232	6.33E+00	2.74E+01	6.06E+01	pCi/kg	U
2204	570267003	2/16/2022	Thorium-232	6.28E+03	9.50E+03	1.74E+04	pCi/kg	U
2204	573045002	3/15/2022	Thorium-232	2.98E+01	4.10E+01	1.41E+02	pCi/kg	U
2204	576095001	4/12/2022	Thorium-232	-1.84E+01	1.75E+01	5.41E+01	pCi/kg	U
2204	580038001	5/17/2022	Thorium-232	4.37E+00	3.97E+01	1.29E+02	pCi/kg	U
2204	582791001	6/14/2022	Thorium-232	-4.13E+01	3.27E+01	9.45E+01	pCi/kg	U
2204	585561001	7/12/2022	Thorium-232	2.29E+01	4.04E+01	9.65E+01	pCi/kg	U
2204	589635001	8/16/2022	Thorium-232	8.12E+01	5.13E+01	9.19E+01	pCi/kg	U
2204	593608003	9/20/2022	Thorium-232	1.48E+01	3.28E+01	9.33E+01	pCi/kg	U
2204	597081001	10/18/2022	Thorium-232	-4.69E+01	4.49E+01	1.29E+02	pCi/kg	U
2204	600680002	11/15/2022	Thorium-232	-4.32E+01	3.51E+01	9.53E+01	pCi/kg	U
2204	604622001	12/20/2022	Thorium-232	1.42E+01	2.48E+01	7.79E+01	pCi/kg	U
2204	567641002	1/19/2022	Thorium-234	3.95E+02	3.57E+02	6.80E+02	pCi/kg	U
2204	570267003	2/16/2022	Thorium-234	4.41E+02	6.68E+02	1.26E+03	pCi/kg	U
2204	573045002	3/15/2022	Thorium-234	2.25E+02	5.77E+02	1.65E+03	pCi/kg	U
2204	576095001	4/12/2022	Thorium-234	3.01E+02	1.87E+02	3.07E+02	pCi/kg	U
2204	580038001	5/17/2022	Thorium-234	-5.77E+02	2.94E+02	9.66E+02	pCi/kg	U
2204	582791001	6/14/2022	Thorium-234	2.18E+02	1.34E+02	3.28E+02	pCi/kg	U

Table 19: Complete REMP Results – Wet Vegetation (pCi/kg)

Location	Sample ID	Collect Date	Nuclide/Analysis	Activity	Uncertainty, 1-σ	MDA	Units	Qualifier
2204	585561001	7/12/2022	Thorium-234	-1.42E+02	3.79E+02	1.07E+03	pCi/kg	U
2204	589635001	8/16/2022	Thorium-234	-1.29E+02	3.02E+02	8.72E+02	pCi/kg	U
2204	593608003	9/20/2022	Thorium-234	-4.77E+02	2.68E+02	8.26E+02	pCi/kg	U
2204	597081001	10/18/2022	Thorium-234	2.32E+02	2.39E+02	4.58E+02	pCi/kg	U
2204	600680002	11/15/2022	Thorium-234	-6.80E+02	4.65E+02	1.26E+03	pCi/kg	U
2204	604622001	12/20/2022	Thorium-234	-8.45E+01	1.55E+02	4.45E+02	pCi/kg	U
2204	567641002	1/19/2022	Uranium-234	-1.05E+01	1.04E+01	2.80E+01	pCi/kg	U
2204	570267003	2/16/2022	Uranium-234	1.70E+05	6.03E+04	7.28E+04	pCi/kg	UI
2204	573045002	3/15/2022	Uranium-234	2.60E+01	2.07E+01	7.21E+01	pCi/kg	U
2204	576095001	4/12/2022	Uranium-234	4.75E+01	1.75E+01	2.11E+01	pCi/kg	U
2204	580038001	5/17/2022	Uranium-234	2.09E+01	1.83E+01	6.30E+01	pCi/kg	U
2204	582791001	6/14/2022	Uranium-234	6.18E+00	1.70E+01	5.21E+01	pCi/kg	U
2204	585561001	7/12/2022	Uranium-234	-6.55E+00	1.59E+01	4.59E+01	pCi/kg	U
2204	589635001	8/16/2022	Uranium-234	1.78E+01	2.56E+01	3.65E+01	pCi/kg	U
2204	593608003	9/20/2022	Uranium-234	2.61E+01	1.55E+01	4.99E+01	pCi/kg	U
2204	597081001	10/18/2022	Uranium-234	2.02E+01	2.90E+01	6.25E+01	pCi/kg	U
2204	600680002	11/15/2022	Uranium-234	3.22E+01	2.39E+01	5.27E+01	pCi/kg	U
2204	604622001	12/20/2022	Uranium-234	2.01E+01	1.97E+01	3.44E+01	pCi/kg	U
2204	567641002	1/19/2022	Zinc-65	-4.54E+00	9.01E+00	2.95E+01	pCi/kg	U
2204	570267003	2/16/2022	Zinc-65	1.12E+01	1.61E+01	5.64E+01	pCi/kg	U
2204	573045002	3/15/2022	Zinc-65	-2.40E+01	1.64E+01	4.61E+01	pCi/kg	U
2204	576095001	4/12/2022	Zinc-65	6.78E+00	9.81E+00	2.99E+01	pCi/kg	U
2204	580038001	5/17/2022	Zinc-65	5.63E+00	1.49E+01	5.11E+01	pCi/kg	U
2204	582791001	6/14/2022	Zinc-65	3.69E+01	1.72E+01	6.44E+01	pCi/kg	U
2204	585561001	7/12/2022	Zinc-65	7.74E+00	1.40E+01	4.35E+01	pCi/kg	U
2204	589635001	8/16/2022	Zinc-65	-1.16E+01	1.27E+01	4.05E+01	pCi/kg	U
2204	593608003	9/20/2022	Zinc-65	1.10E+01	1.25E+01	4.49E+01	pCi/kg	U
2204	597081001	10/18/2022	Zinc-65	1.25E+01	2.54E+01	7.70E+01	pCi/kg	U
2204	600680002	11/15/2022	Zinc-65	-2.54E+01	1.29E+01	3.75E+01	pCi/kg	U
2204	604622001	12/20/2022	Zinc-65	-2.72E+00	1.07E+01	3.32E+01	pCi/kg	U
2204	567641002	1/19/2022	Zirconium-95	-3.96E+00	6.83E+00	2.10E+01	pCi/kg	U
2204	570267003	2/16/2022	Zirconium-95	-6.25E+00	1.09E+01	3.31E+01	pCi/kg	U
2204	573045002	3/15/2022	Zirconium-95	-1.98E+00	1.15E+01	3.66E+01	pCi/kg	U
2204	576095001	4/12/2022	Zirconium-95	2.57E-01	5.48E+00	1.87E+01	pCi/kg	U
2204	580038001	5/17/2022	Zirconium-95	4.71E+00	1.17E+01	4.10E+01	pCi/kg	U
2204	582791001	6/14/2022	Zirconium-95	-2.44E+00	1.21E+01	3.76E+01	pCi/kg	U
2204	585561001	7/12/2022	Zirconium-95	5.05E+00	8.26E+00	2.54E+01	pCi/kg	U
2204	589635001	8/16/2022	Zirconium-95	9.26E-01	1.06E+01	3.45E+01	pCi/kg	U
2204	593608003	9/20/2022	Zirconium-95	4.83E-01	1.00E+01	3.26E+01	pCi/kg	U
2204	597081001	10/18/2022	Zirconium-95	3.32E+01	1.61E+01	5.91E+01	pCi/kg	U
2204	600680002	11/15/2022	Zirconium-95	-8.96E+00	1.08E+01	3.36E+01	pCi/kg	U
2204	604622001	12/20/2022	Zirconium-95	-8.83E+00	8.72E+00	2.61E+01	pCi/kg	U

Annual Environmental Operating Report	YEAR: 2022	Page 327 of 332
Company: Tennessee Valley Authority	Plant: Sequoyah	

Annual Environmental Operating Report	YEAR: 2022	Page 328 of 332
Company: Tennessee Valley Authority	Plant: Sequoyah	

Attachment 3, Cross Check Intercomparison Program

A quality assurance program is employed by the offsite vendor laboratory to ensure that the environmental monitoring data are reliable. This program includes the use of written, approved procedures in performing the work, provisions for staff training and certification, internal self-assessments of program performance, audits by various external organizations, and a laboratory quality control program.

The quality control program employed by the radioanalytical laboratory is designed to ensure that the sampling and analysis process is working as intended. The program includes equipment checks and the analysis of quality control samples, along with routine field samples. Instrument quality control checks include background count rate and counts reproducibility. In addition to these two general checks, other quality control checks are performed on the variety of detectors used in the laboratory. The exact nature of these checks depends on the type of device and the method it uses to detect radiation or store the information obtained.

Quality control samples of a variety of types are used by the laboratory to verify the performance of different portions of the analytical process. These quality control samples include blanks, field duplicates, process duplicates, matrix spikes, laboratory control samples, and independent cross-checks.

Blanks are samples which contain no measurable radioactivity of the type being measured. Such samples are analyzed to determine whether there is any contamination or cross-contamination of equipment, reagents, processed samples, or interferences from isotopes other than the ones being measured.

Duplicate field samples are generated at random by the sample computer program which schedules the collection of the routine samples. For example, if the routine program calls for four milk samples every week, on a random basis each farm might provide an additional sample several times a year. These duplicate samples are analyzed along with other routine samples. They provide information about the variability of radioactive content in the various sample media. If enough sample is available for a particular analysis, the laboratory staff can split the sample taking two individual aliquots, known as process duplicates. Duplicate samples provide information about the variability of the entire sampling and analytical process.

Matrix spikes are field samples that have been spiked with known low levels of specific target isotopes. Recovery of the known amount allow the analyst to determine if any interferences are exhibited from the field sample's matrix.

Laboratory control samples are another type of quality control sample. A known amount of radioactivity is added to a sample medium and processed along with the other QC and field samples in the analytical batch. Laboratory control samples provide the assurance that all aspects of the process have been successfully completed within the criteria established by Standard Operating Procedure.

Annual Environmental Operating Report		YEAR: 2022	Page 329 of 332
Company: Tennessee Valley Authority		Plant: Sequoyah	

Another category of quality control samples is cross-check samples. The laboratory procures single-blind performance evaluation samples from Eckert & Ziegler Analytics to verify the analysis of sample matrices processed at the laboratory. Samples are received on a quarterly basis. The laboratory's Third-Party Cross-Check Program provides environmental matrices encountered in a typical nuclear utility REMP. Once performance evaluation samples have been prepared in accordance with the instructions from the performance evaluator provider, samples are managed and analyzed in the same manner as environmental samples. These samples have a known amount of radioactivity added and are presented to the lab staff labeled as cross-check samples. The laboratory does not know the amount of radioactivity added to the sample. Such samples test the best performance of the laboratory by determining if the laboratory can find the "right answer." These samples provide information about the accuracy of the measurement process. Further information is available about the variability of the process if multiple analyses are requested on the same sample. Like matrix spikes or laboratory control samples, these samples can also be spiked with low levels of activity to test detection limits. The analysis results for internal cross-check samples met program performance goals for 2022.

The quality control data are routinely collected, examined and reported to laboratory supervisory personnel. They are checked for trends, problem areas, or other indications that a portion of the analytical process needs correction or improvement. The result is a measurement process that provides reliable and verifiable data and is sensitive enough to measure the presence of radioactivity far below the levels which could be harmful to humans.

Per the GEL 2022 Annual Environmental Quality Assurance (QA) Report forty-five (45) radioisotopes associated with seven (7) matrix types (air filter, cartridge, water, milk, soil, liquid and vegetation) were analyzed under GEL's Performance Evaluation program in participation with ERA, Department of Energy Mixed Analyte Performance Evaluate Program (MAPEP), and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2021. Of the four hundred sixty-four (464) total results, 97.58% (454 of 464) were found to be acceptable within the PT providers three sigma or other statistical criteria. For the Eckert & Ziegler Analytics Environmental Cross Check Program, GEL was provided one hundred thirteen (113) 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).

The radioanalytical lab performance in 2022 meets the criteria described in Reg. Guide 4.15 and ANSI/HPS N13.37-2014.

Attachment 4, Environmental Direct Radiation Dosimetry Sample Results

Monitoring Location	Station	Quarterly Baseline, B _Q (mrem)	Normalized Quarterly Monitoring Data, M _Q				Quarterly Facility Dose, F _Q =M _Q -B _Q				Annual Baseline, B _A (mrem)	Annual Monitoring Data, M _A (mrem)	Annual Facility Dose, F _A =M _A -B _A (mrem)
			(mrem)				(mrem)						
			1	2	3	4	1	2	3	4			
14	NW-3	11.9	12.7	11.0	10.5	14.3	ND	ND	ND	ND	47.8	48.4	ND
8	W-3	12.6	15.0	12.5	11.7	13.2	ND	ND	ND	ND	50.4	52.5	ND
78	WSW-3	16.1	15.8	18.8	17.1	18.3	ND	ND	ND	ND	64.4	69.8	ND
79	WSW-4	13.0	15.2	13.8	16.1	11.3	ND	ND	ND	ND	52.1	56.4	ND
7	SW-2	13.7	14.5	13.8	16.3	15.3	ND	ND	ND	ND	54.7	59.8	ND
77	WSW-2	11.1	11.2	10.8	10.2	10.8	ND	ND	ND	ND	44.3	42.9	ND
10	WSW-2A	13.0	19.0	16.8	17.3	14.8	ND	ND	ND	ND	52.0	67.8	ND
76	WSW-1	17.1	15.3	18.8	18.6	16.3	ND	ND	ND	ND	68.3	68.9	ND
75	SW-1	17.9	17.7	18.8	18.6	15.8	ND	ND	ND	ND	71.6	70.8	ND
81	W-1	20.4	21.2	23.3	23.5	20.4	ND	ND	ND	ND	81.4	88.3	ND
83	WNW-1	16.0	17.2	18.3	17.6	13.7	ND	ND	ND	ND	64.0	66.8	ND
73	SSW-1	16.1	16.2	14.8	17.1	17.8	ND	ND	ND	ND	64.2	65.9	ND
57	ENE-1	14.0	14.8	12.8	16.6	13.2	ND	ND	ND	ND	56.2	57.3	ND
85	NW-1	17.2	15.8	20.3	18.6	15.8	ND	ND	ND	ND	68.7	70.3	ND
87	NNW-1	16.4	17.0	14.5	15.6	13.8	ND	ND	ND	ND	65.6	60.9	ND
49	N-1	16.0	16.0	14.5	15.6	14.2	ND	ND	ND	ND	63.8	60.4	ND
88	NNW-2	13.0	15.8	N/A	10.5	11.3	ND	ND	ND	ND	52.2	50.0	ND
82	W-2	11.0	14.7	10.3	11.2	11.3	ND	ND	ND	ND	44.1	47.5	ND
84	WNW-2	11.8	14.7	11.8	12.7	12.8	ND	ND	ND	ND	47.2	51.9	ND
86	NW-2	13.4	13.2	12.3	14.7	14.8	ND	ND	ND	ND	53.7	54.9	ND
89	NNW-3	13.3	13.2	14.3	15.1	13.3	ND	ND	ND	ND	53.3	55.9	ND
51	N-3	13.5	14.2	13.8	18.1	12.8	ND	ND	ND	ND	53.9	58.8	ND
52	N-4	14.9	16.3	14.5	17.9	12.8	ND	ND	ND	ND	59.8	61.4	ND
13	ESE-3	14.3	16.3	12.3	16.8	12.0	ND	ND	ND	ND	57.3	57.3	ND

Monitoring Location	Station	Quarterly Baseline, B _Q (mrem)	Normalized Quarterly Monitoring Data, M _Q (mrem)				Quarterly Facility Dose, F _Q =M _Q -B _Q (mrem)				Annual Baseline, B _A (mrem)	Annual Monitoring Data, M _A (mrem)	Annual Facility Dose, F _A =M _A -B _A (mrem)
			1	2	3	4	1	2	3	4			
			70	SSE-2	17.2	14.3	13.8	17.9	14.0	ND			
68	SE-4	16.7	17.2	15.8	17.9	16.5	ND	ND	ND	ND	66.7	67.4	ND
63	ESE-2	16.1	16.7	15.3	16.9	15.5	ND	ND	ND	ND	64.4	64.4	ND
60	E-2	14.4	16.7	14.3	15.9	14.5	ND	ND	ND	ND	57.7	61.4	ND
58	ENE-2	14.3	13.8	13.8	16.4	13.5	ND	ND	ND	ND	57.1	57.4	ND
56	NE-2	11.1	12.8	10.8	11.5	10.0	ND	ND	ND	ND	44.5	45.0	ND
53	NNE-2	13.2	16.8	14.0	13.7	13.5	ND	ND	ND	ND	52.9	57.9	ND
50	N-2	14.9	15.3	13.5	17.1	15.5	ND	ND	ND	ND	59.8	61.4	ND
5	NNE-1	18.4	16.0	15.8	19.2	18.8	ND	ND	ND	ND	73.6	69.8	ND
55	NE-1	15.1	17.2	17.0	16.1	17.5	ND	ND	ND	ND	60.5	67.9	ND
4	NE-1A	16.0	12.1	16.3	20.2	15.3	ND	ND	ND	ND	64.0	63.8	ND
59	E-1	12.9	12.8	13.5	12.7	13.0	ND	ND	ND	ND	51.4	52.0	ND
62	ESE-1	14.2	14.8	15.5	12.2	14.0	ND	ND	ND	ND	56.7	56.5	ND
66	SE-1	11.2	10.3	10.5	10.2	10.0	ND	ND	ND	ND	44.6	41.0	ND
67	SE-2	14.5	12.8	13.5	14.7	13.5	ND	ND	ND	ND	58.1	54.4	ND
69	SSE-1	12.7	13.3	12.0	17.1	15.0	ND	ND	ND	ND	50.8	57.4	ND
71	S-1	17.4	14.8	16.5	23.5	15.0	ND	ND	ND	ND	69.7	69.7	ND
90	SSW-1B	12.3	10.8	12.5	12.2	13.5	ND	ND	ND	ND	49.2	49.0	ND
3	SSW-1C	13.6	15.5	12.8	14.4	14.2	ND	ND	ND	ND	54.3	57.0	ND
74	SSW-2	19.3	20.2	19.1	22.5	19.6	ND	ND	ND	ND	77.1	81.3	ND
72	S-2	12.5	14.3	12.0	16.6	13.5	ND	ND	ND	ND	50.0	56.3	ND
9	SSW-3	15.6	16.5	17.3	15.8	15.3	ND	ND	ND	ND	62.4	64.9	ND
11	SW-3	17.5	17.5	19.3	21.2	17.8	ND	ND	ND	ND	70.1	75.7	ND
12	NNE-4	15.2	13.2	13.4	16.0	16.8	ND	ND	ND	ND	60.7	59.3	ND

Annual Environmental Operating Report	YEAR: 2022	Page 332 of 332
Company: Tennessee Valley Authority	Plant: Sequoyah	

MDD_Q = Quarterly Minimum Differential Dose = 11.5 mrem
MDD_A = Annual Minimum Differential Dose = 33.3 mrem
ND = Not Detected, where $M_Q \leq (B_Q + MDD_Q)$ or $M_A \leq (B_A + MDD_A)$